

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112625\  
 Data File : VN088368.D  
 Acq On : 26 Nov 2025 13:12  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/01/2025  
 Supervised By : Semsettin Yesilyurt 12/01/2025

Quant Time: Nov 27 00:12:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.794          | 128  | 53794      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.082          | 114  | 255087     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 222840     | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559          | 65   | 136818     | 27.844   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 92.800%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 105919     | 28.118   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 93.733%  |        |          |
| 63) Toluene-d8               | 10.541         | 98   | 317633     | 30.107   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.367% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 61402      | 16.238   | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 76981      | 19.745   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.536          | 62   | 71794      | 17.415   | ug/l   | 96       |
| 5) Bromomethane              | 2.983          | 94   | 38192      | 17.375   | ug/l   | 91       |
| 6) Chloroethane              | 3.142          | 64   | 47107      | 18.487   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 97268      | 16.829   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959          | 74   | 43601      | 20.184   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 52922      | 17.454   | ug/l   | 95       |
| 10) 1,1-Dichloroethene       | 4.336          | 96   | 51968      | 17.568   | ug/l   | 86       |
| 11) Methyl Iodide            | 4.589          | 142  | 57379      | 18.227   | ug/l   | 92       |
| 12) Methyl Acetate           | 5.018          | 43   | 104330     | 21.862   | ug/l   | 95       |
| 13) Acrolein                 | 4.177          | 56   | 100212     | 142.726  | ug/l   | 97       |
| 14) Acrylonitrile            | 5.706          | 53   | 214206     | 98.782   | ug/l   | 99       |
| 15) Acetone                  | 4.418          | 58   | 63821      | 100.642  | ug/l   | 85       |
| 16) Carbon Disulfide         | 4.706          | 76   | 169016     | 16.942   | ug/l   | 97       |
| 17) Allyl chloride           | 5.012          | 41   | 103665     | 18.034   | ug/l   | 96       |
| 18) Methylene Chloride       | 5.259          | 84   | 74660      | 20.306   | ug/l   | 92       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 60880      | 17.674   | ug/l   | 94       |
| 20) Diisopropyl ether        | 6.653          | 45   | 246025     | 20.029   | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 136289     | 19.694   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 78523      | 19.614   | ug/l   | 91       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 75652      | 94.878   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.783          | 73   | 236639     | 19.841   | ug/l   | 99       |
| 25) Chloroform               | 7.947          | 83   | 135478     | 19.757   | ug/l   | 100      |
| 26) Cyclohexane              | 8.241          | 56   | 86950      | 14.875   | ug/l   | 99       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 79590      | 18.700   | ug/l   | 97       |
| 30) 2-Butanone               | 7.465          | 43   | 307740     | 111.775  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.471          | 77   | 100010     | 19.051   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 104423     | 19.902   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.341          | 117  | 85596      | 19.104   | ug/l   | 90       |
| 34) Benzene                  | 8.588          | 78   | 271435     | 21.335   | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.759          | 41   | 64840      | 22.578   | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 108028     | 21.818   | ug/l   | 98       |
| 37) Trichloroethene          | 9.335          | 130  | 62418      | 21.650   | ug/l   | 91       |
| 38) Methylcyclohexane        | 9.576          | 83   | 82048      | 16.814   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.600          | 63   | 72684      | 22.144   | ug/l   | 95       |
| 40) Dibromomethane           | 9.682          | 93   | 54679      | 23.186   | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.865          | 83   | 105048     | 22.127   | ug/l   | 96       |
| 42) Vinyl Acetate            | 6.588          | 43   | 1108185    | 120.597  | ug/l   | 99       |

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 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

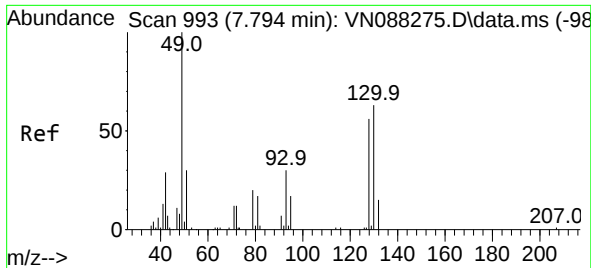
Reviewed By : John Carlone 12/01/2025  
 Supervised By : Semsettin Yesilyurt 12/01/2025

Quant Time: Nov 27 00:12:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.541  | 43   | 115453   | 20.841  | ug/l  | 96       |
| 44) Isopropyl Acetate         | 8.671  | 43   | 193247   | 22.636  | ug/l  | 100      |
| 45) 1,4-Dioxane               | 9.688  | 88   | 26380    | 513.130 | ug/l  | 95       |
| 46) Methyl methacrylate       | 9.659  | 41   | 89278    | 22.348  | ug/l  | 93       |
| 47) n-amyl Acetate            | 12.559 | 43   | 95199m   | 22.006  | ug/l  |          |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 105475   | 20.772  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene   | 10.288 | 75   | 113992   | 21.576  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 66533    | 22.816  | ug/l  | 96       |
| 51) Ethyl methacrylate        | 10.853 | 69   | 103827   | 21.641  | ug/l  | 99       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 117901   | 22.201  | ug/l  | 99       |
| 53) Dibromochloromethane      | 11.335 | 129  | 75927    | 22.668  | ug/l  | 100      |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 66553    | 21.966  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 295018   | 106.748 | ug/l  | 99       |
| 56) Bromoform                 | 12.559 | 173  | 43369    | 20.456  | ug/l  | 95       |
| 58) 4-Methyl-2-Pentanone      | 10.423 | 43   | 619181   | 122.851 | ug/l  | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 391732   | 117.048 | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.082 | 164  | 58533    | 25.477  | ug/l  | 88       |
| 62) Toluene                   | 10.606 | 91   | 271787   | 21.253  | ug/l  | 99       |
| 64) Chlorobenzene             | 11.870 | 112  | 165481   | 20.894  | ug/l  | 93       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 61324    | 22.622  | ug/l  | 98       |
| 66) Ethyl Benzene             | 11.941 | 91   | 277384   | 19.681  | ug/l  | 93       |
| 67) m/p-Xylenes               | 12.053 | 106  | 208849   | 39.625  | ug/l  | 98       |
| 68) o-Xylene                  | 12.376 | 106  | 99840    | 20.080  | ug/l  | 97       |
| 69) Styrene                   | 12.394 | 104  | 168040   | 19.899  | ug/l  | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 248100   | 18.829  | ug/l  | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 92641    | 21.705  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 12.976 | 75   | 83209m   | 20.123  | ug/l  |          |
| 73) Bromobenzene              | 12.959 | 156  | 61495    | 20.672  | ug/l  | 100      |
| 74) n-propylbenzene           | 13.012 | 91   | 306527   | 18.798  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 185065   | 18.664  | ug/l  | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 210475   | 19.029  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.717 | 75   | 29666    | 20.892  | ug/l  | 98       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 190387   | 18.948  | ug/l  | 95       |
| 79) tert-butylbenzene         | 13.417 | 119  | 174375   | 18.414  | ug/l  | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 206222   | 18.750  | ug/l  | 98       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 253754   | 18.372  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 211505   | 18.532  | ug/l  | 97       |
| 83) 1,3-Dichlorobenzene       | 13.711 | 146  | 116961   | 20.237  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 114676   | 19.592  | ug/l  | 97       |
| 85) n-Butylbenzene            | 14.035 | 91   | 190668   | 17.529  | ug/l  | 99       |
| 86) Hexachloroethane          | 14.311 | 117  | 37456    | 17.141  | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 110523   | 20.259  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 21130    | 21.062  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 63500    | 20.742  | ug/l  | 97       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 21615    | 18.181  | ug/l  | 98       |
| 91) Naphthalene               | 15.617 | 128  | 228149   | 20.597  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 63500    | 20.742  | ug/l  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





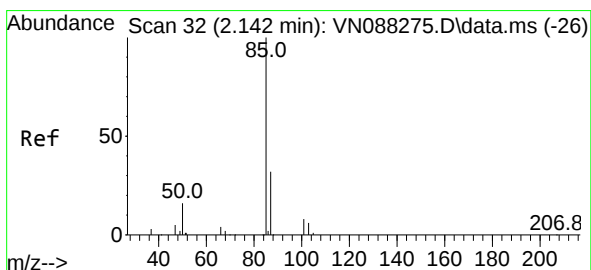
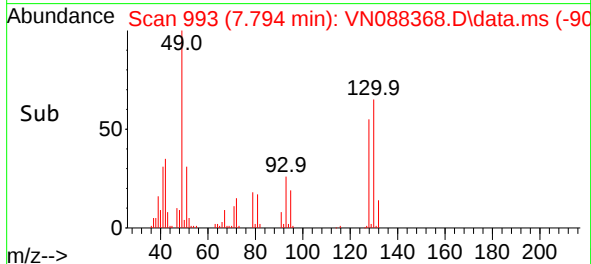
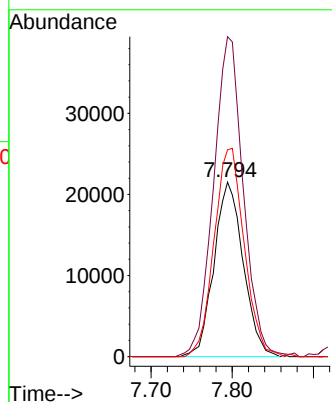
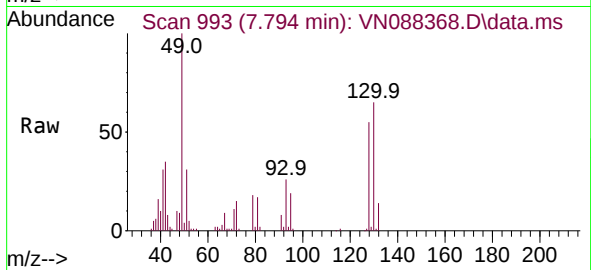
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:128 Resp: 53794  
Ion Ratio Lower Upper  
128 100  
49 186.9 0.0 501.2  
130 123.3 0.0 320.2

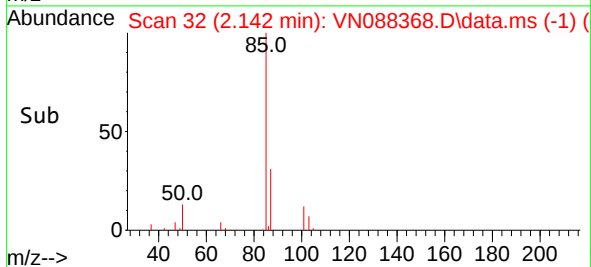
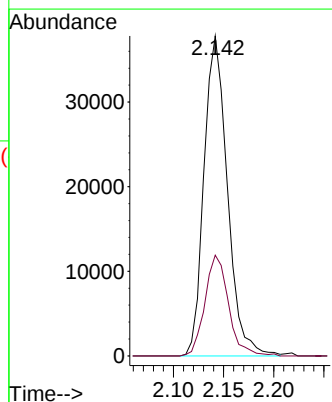
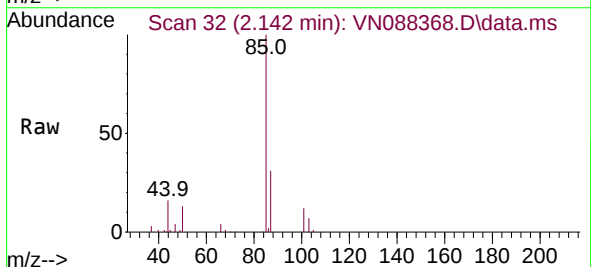
Manual Integrations  
APPROVED

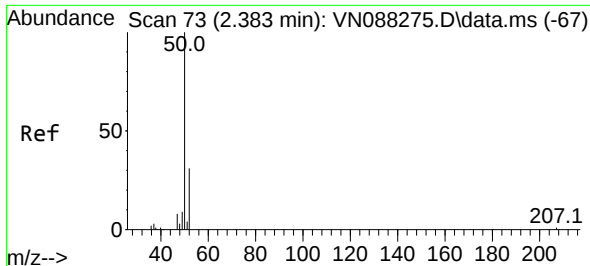
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#2  
Dichlorodifluoromethane  
Concen: 16.238 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

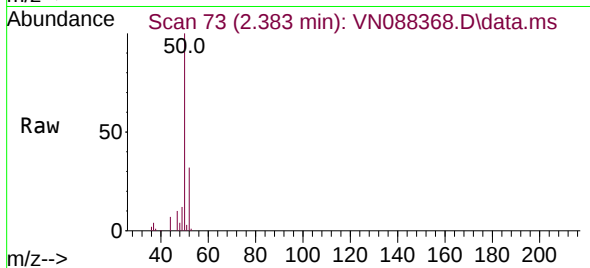
Tgt Ion: 85 Resp: 61402  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.0 48.0





#3  
Chloromethane  
Concen: 19.745 ug/l  
RT: 2.383 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

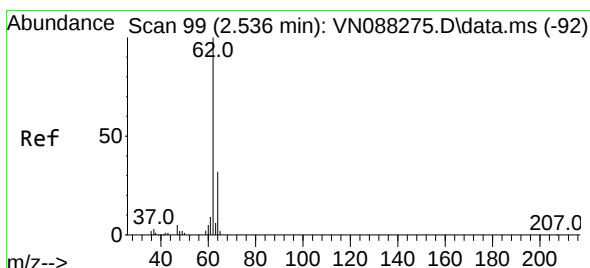
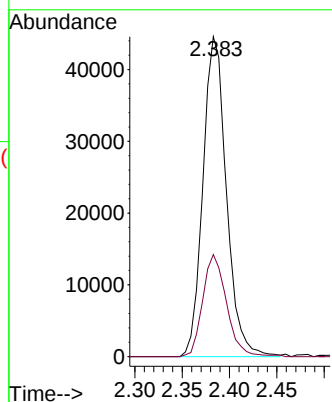
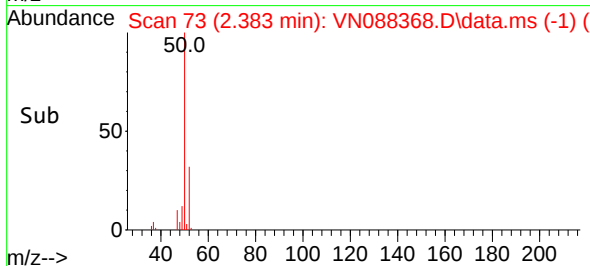
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 50 Resp: 7698  
Ion Ratio Lower Upper  
50 100  
52 31.9 24.6 36.8

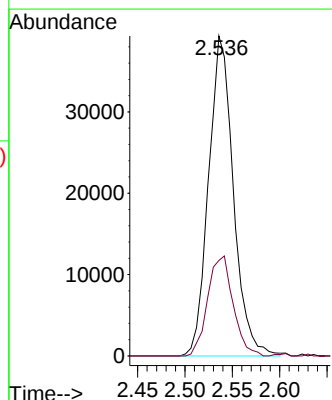
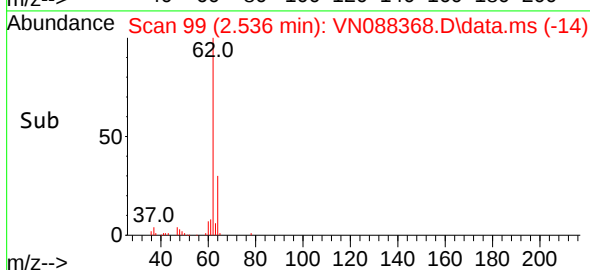
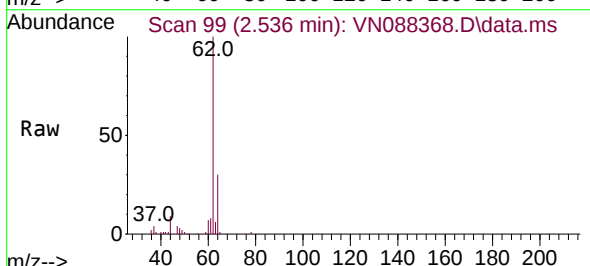
Manual Integrations  
APPROVED

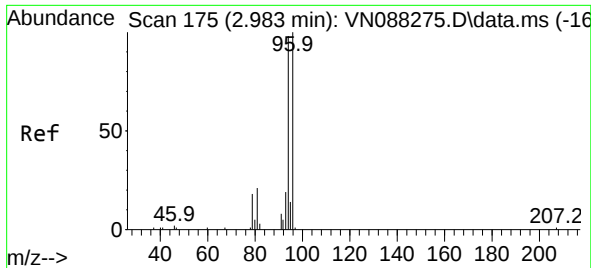
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#4  
Vinyl Chloride  
Concen: 17.415 ug/l  
RT: 2.536 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

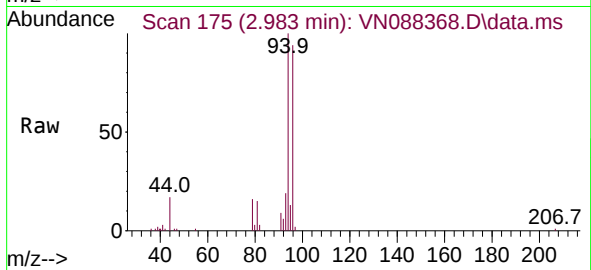
Tgt Ion: 62 Resp: 71794  
Ion Ratio Lower Upper  
62 100  
64 29.8 25.4 38.2





#5  
Bromomethane  
Concen: 17.375 ug/l  
RT: 2.983 min Scan# 175  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

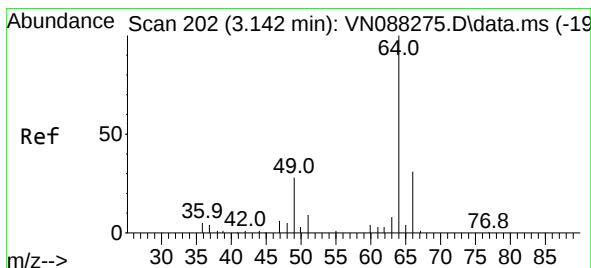
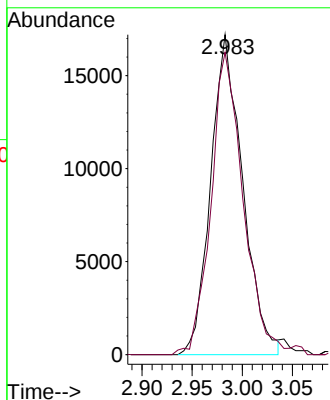
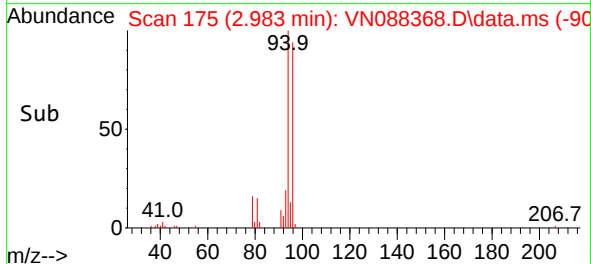
Instrument :  
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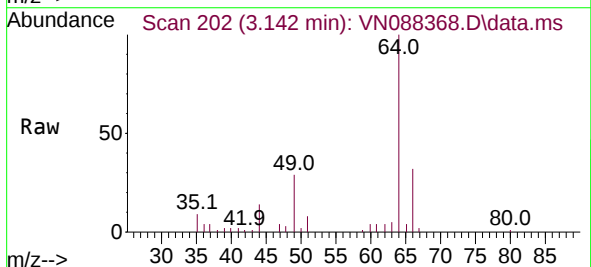
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Ion Ratio Lower Upper  
94 100  
96 93.0 81.3 121.9

Manual Integrations  
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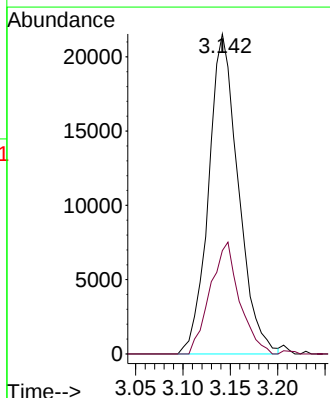
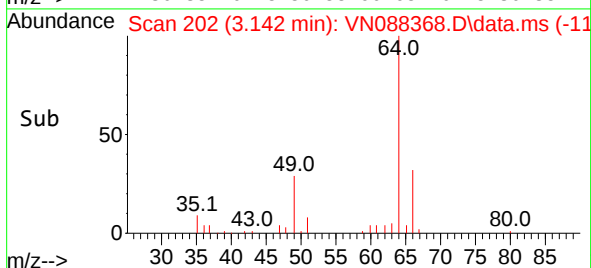
Reviewed By :John Carlone 12/01/2025  
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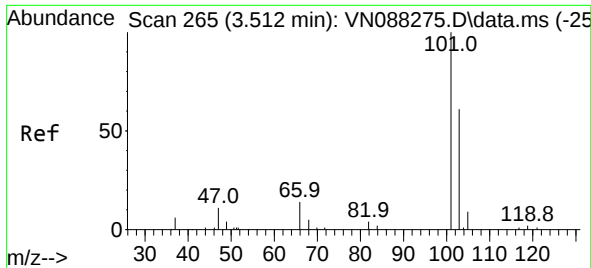


#6  
Chloroethane  
Concen: 18.487 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



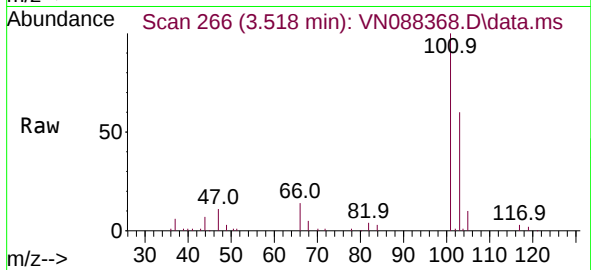
Tgt Ion: 64 Resp: 47107  
Ion Ratio Lower Upper  
64 100  
66 32.3 24.7 37.1





#7  
Trichlorofluoromethane  
Concen: 16.829 ug/l  
RT: 3.518 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

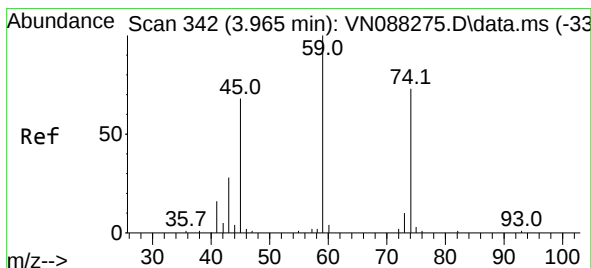
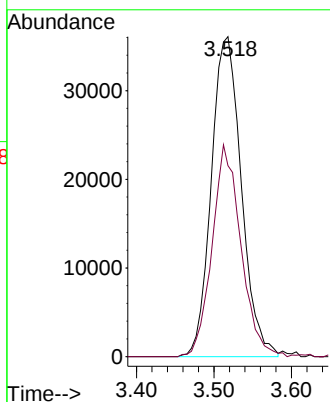
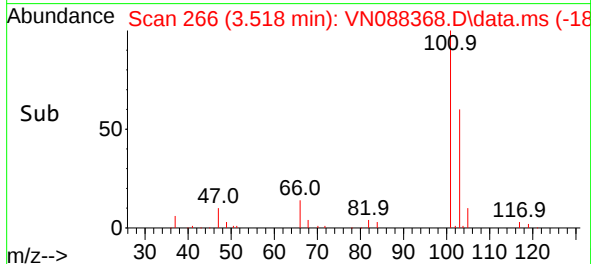
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:101 Resp: 97268  
Ion Ratio Lower Upper  
101 100  
103 59.7 48.6 73.0

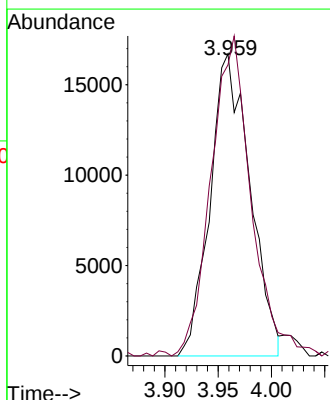
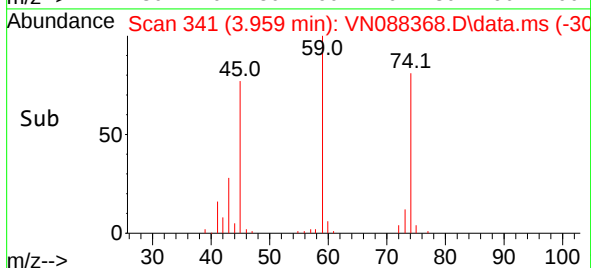
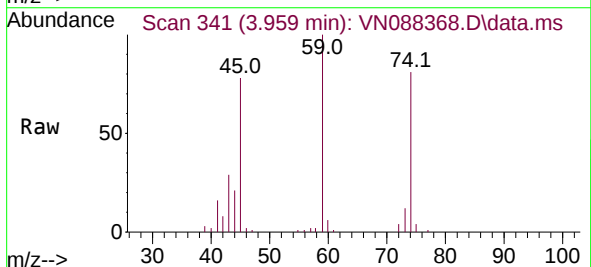
Manual Integrations  
APPROVED

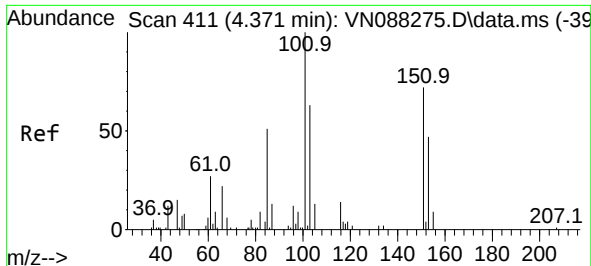
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#8  
Diethyl Ether  
Concen: 20.184 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 74 Resp: 43601  
Ion Ratio Lower Upper  
74 100  
45 103.9 20.9 187.7





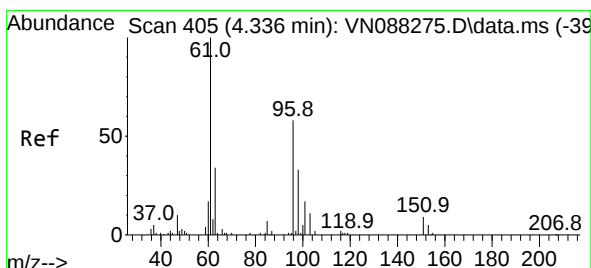
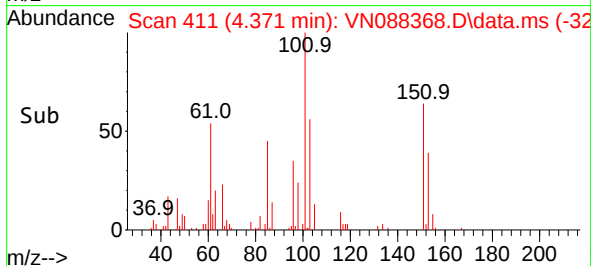
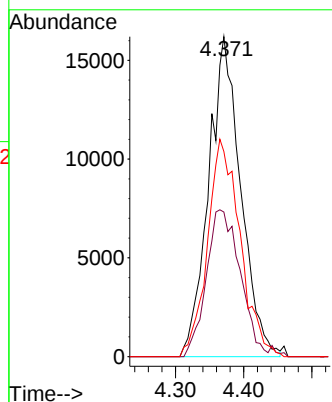
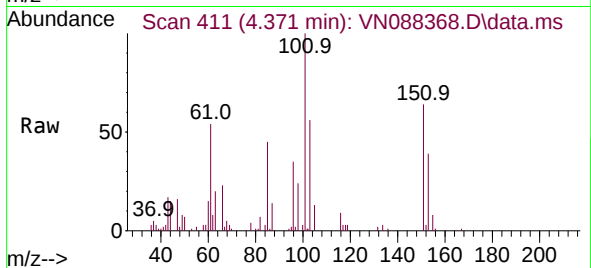
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.454 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 5292  
Ion Ratio Lower Upper  
101 100  
85 48.3 0.0 100.8  
151 63.5 0.0 138.4

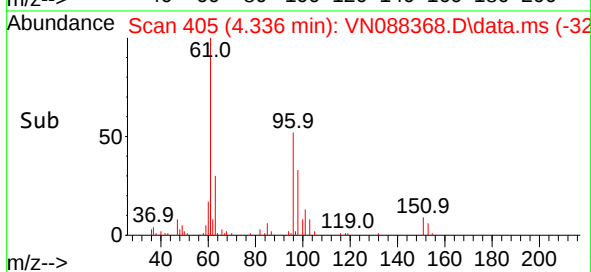
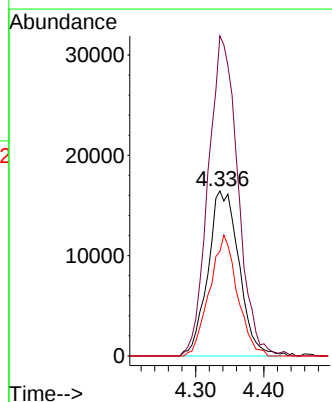
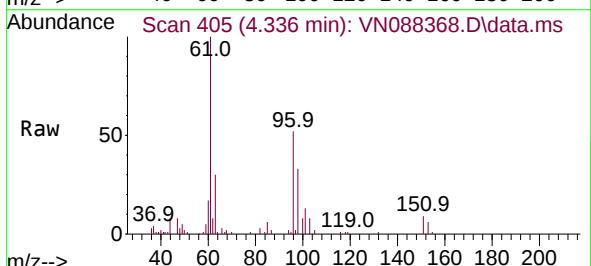
Manual Integrations  
APPROVED

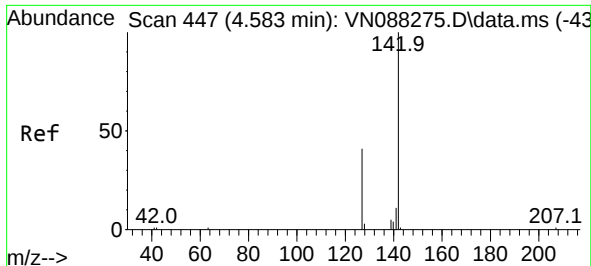
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#10  
1,1-Dichloroethene  
Concen: 17.568 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

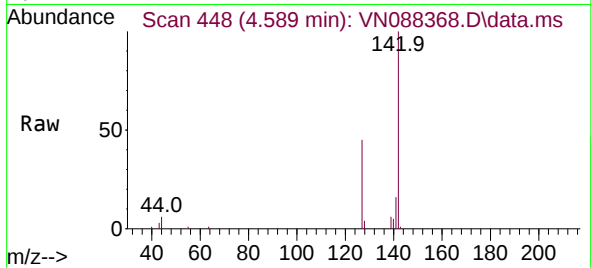
Tgt Ion: 96 Resp: 51968  
Ion Ratio Lower Upper  
96 100  
61 194.0 137.8 206.8  
98 63.4 45.6 68.4





#11  
Methyl Iodide  
Concen: 18.227 ug/l  
RT: 4.589 min Scan# 447  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

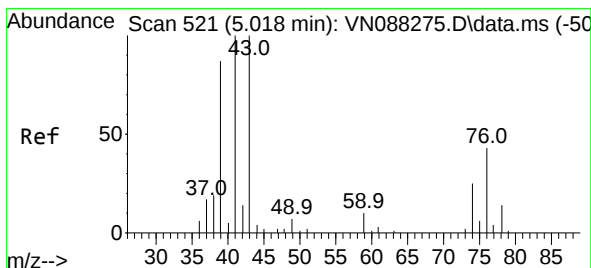
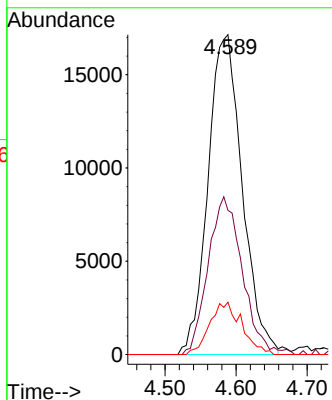
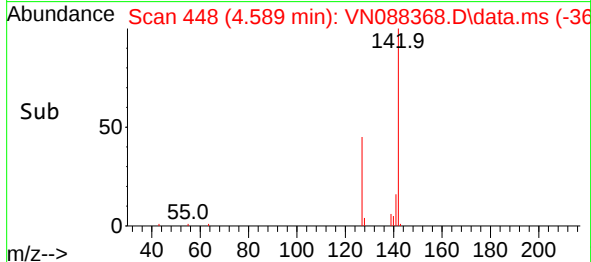
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:142 Resp: 57379  
Ion Ratio Lower Upper  
142 100  
127 44.8 20.4 61.2  
141 16.5 5.6 16.8

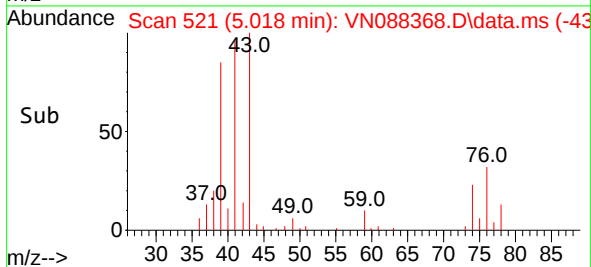
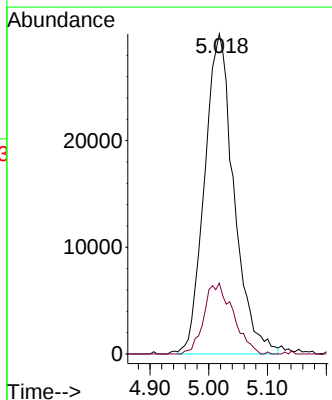
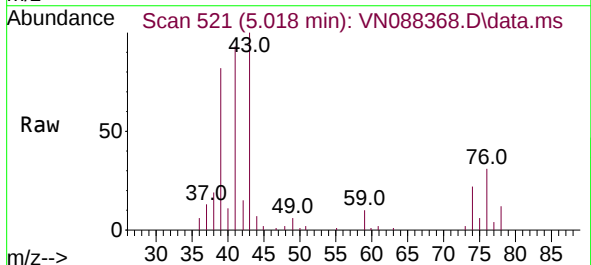
Manual Integrations  
APPROVED

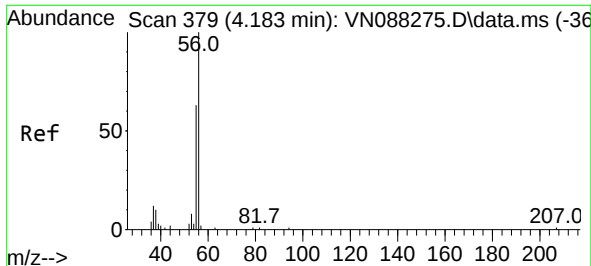
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#12  
Methyl Acetate  
Concen: 21.862 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

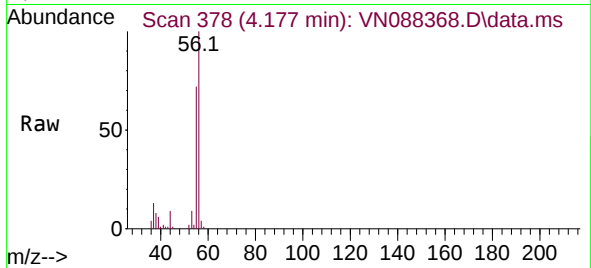
Tgt Ion: 43 Resp: 104330  
Ion Ratio Lower Upper  
43 100  
74 22.4 19.8 29.8





#13  
Acrolein  
Concen: 142.726 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

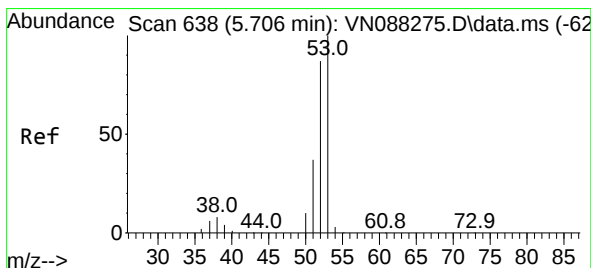
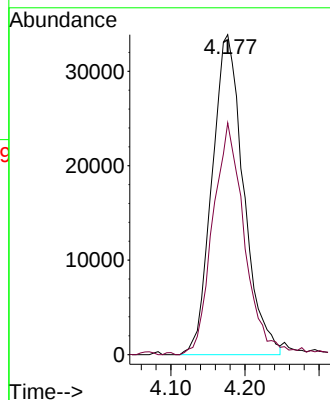
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 56 Resp: 100212  
Ion Ratio Lower Upper  
56 100  
55 70.3 57.9 86.9

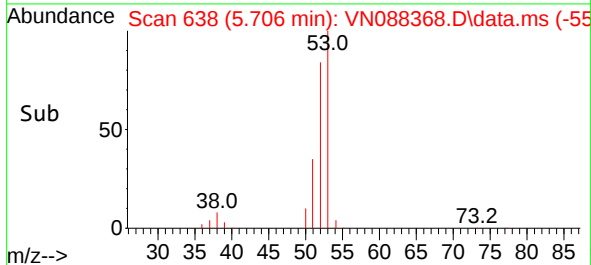
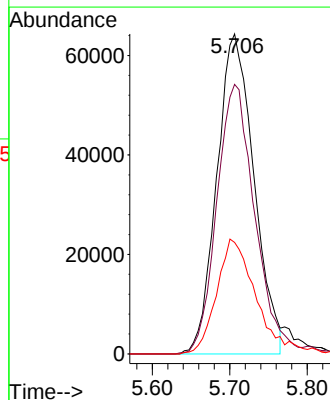
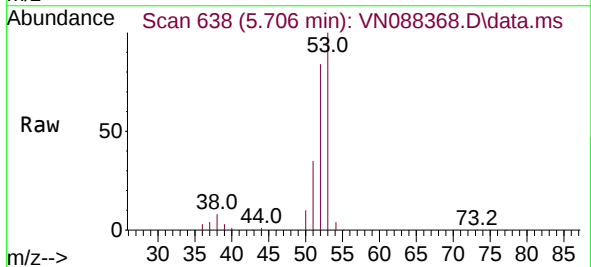
Manual Integrations  
APPROVED

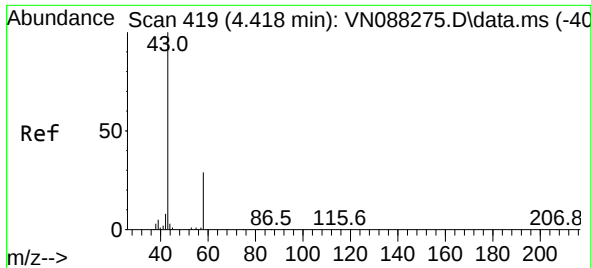
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#14  
Acrylonitrile  
Concen: 98.782 ug/l  
RT: 5.706 min Scan# 638  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

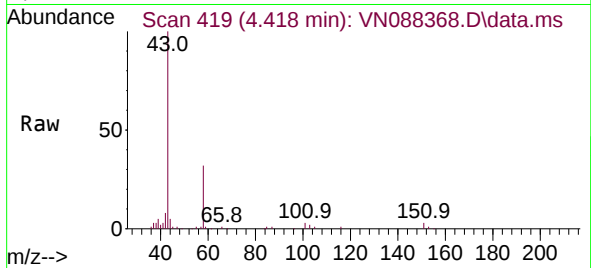
Tgt Ion: 53 Resp: 214206  
Ion Ratio Lower Upper  
53 100  
52 86.1 42.3 126.9  
51 36.5 18.4 55.2





#15  
Acetone  
Concen: 100.642 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

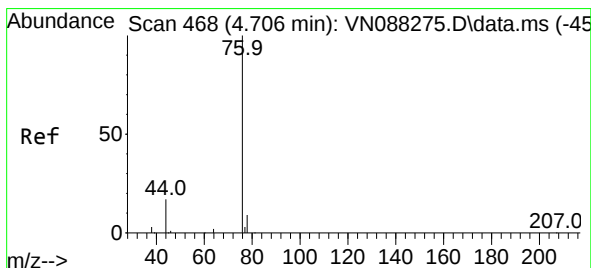
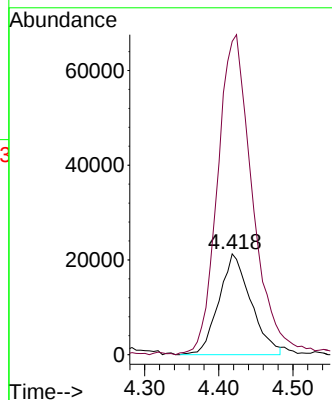
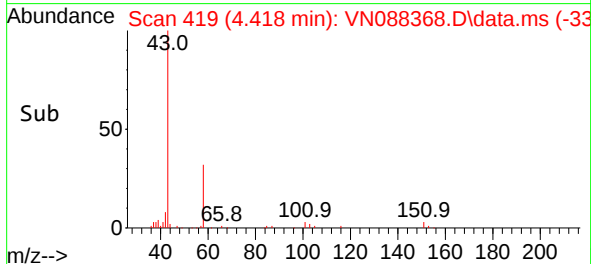
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



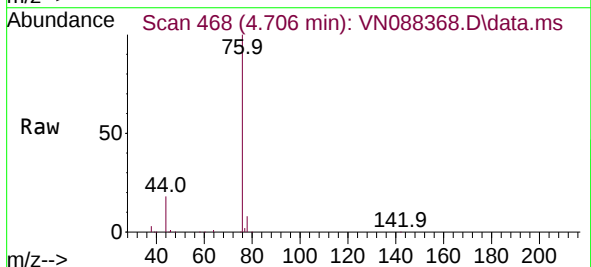
Tgt Ion: 58 Resp: 63821  
Ion Ratio Lower Upper  
58 100  
43 309.3 273.9 410.9

Manual Integrations  
APPROVED

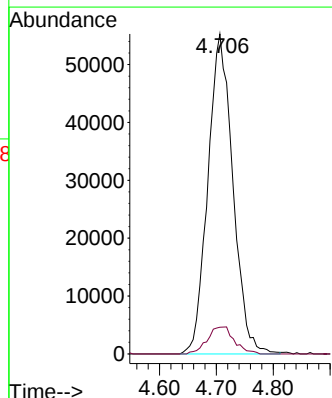
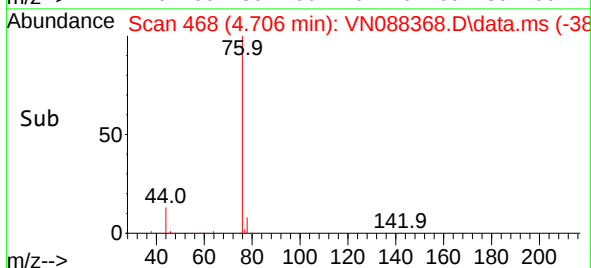
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

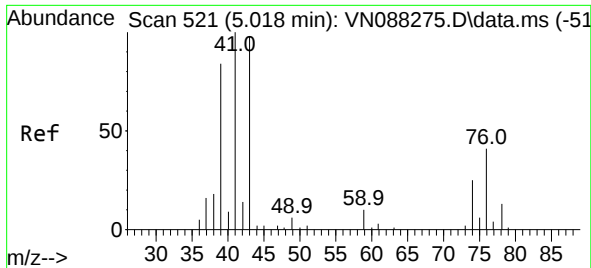


#16  
Carbon Disulfide  
Concen: 16.942 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion: 76 Resp: 169016  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.5 11.3





#17

Allyl chloride

Concen: 18.034 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

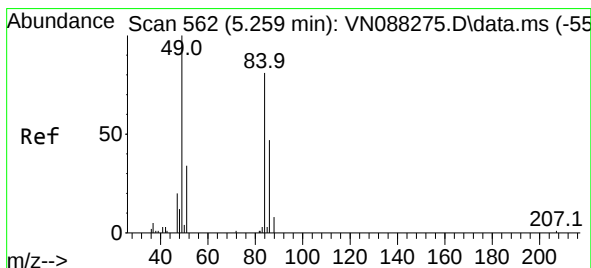
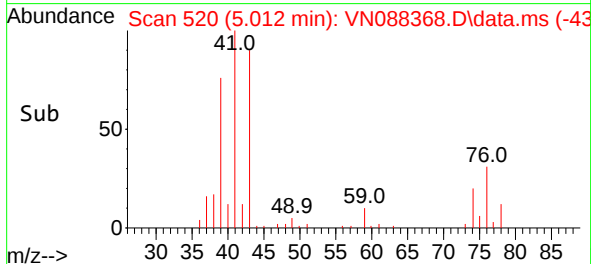
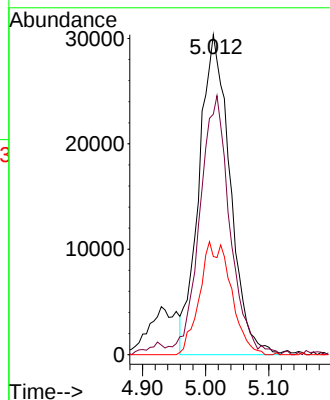
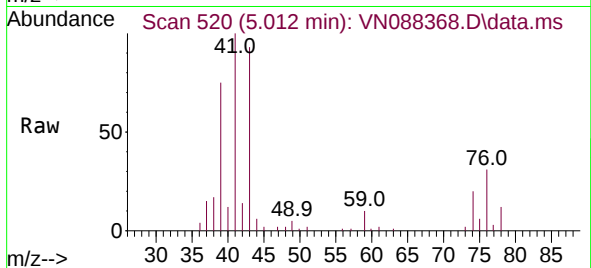
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10366 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 75.5  | 38.3  | 114.9 |
| 76       | 30.8  | 18.5  | 55.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#18

Methylene Chloride

Concen: 20.306 ug/l

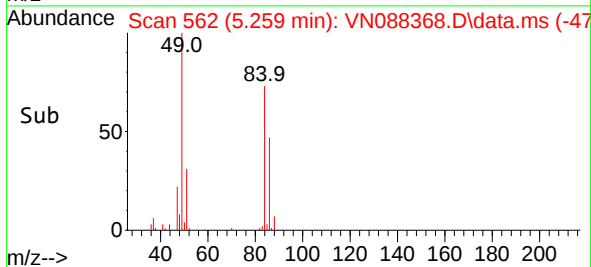
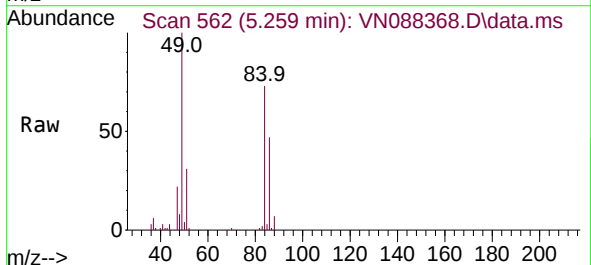
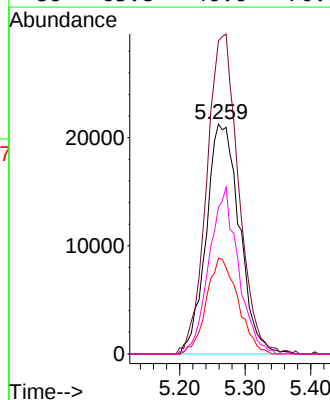
RT: 5.259 min Scan# 562

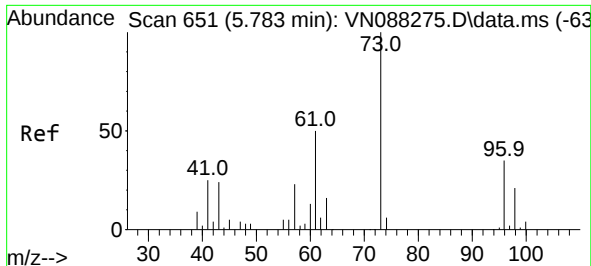
Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

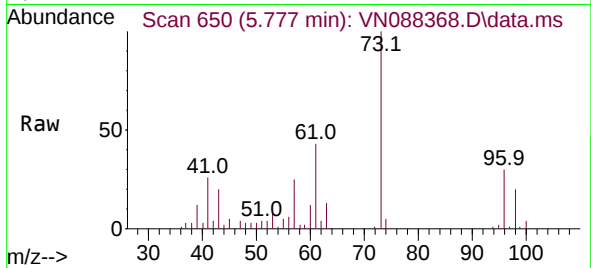
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 74660 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.4 | 98.7  | 148.1 |
| 51       | 41.6  | 33.7  | 50.5  |
| 86       | 63.8  | 46.6  | 70.0  |





#19  
trans-1,2-Dichloroethene  
Concen: 17.674 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

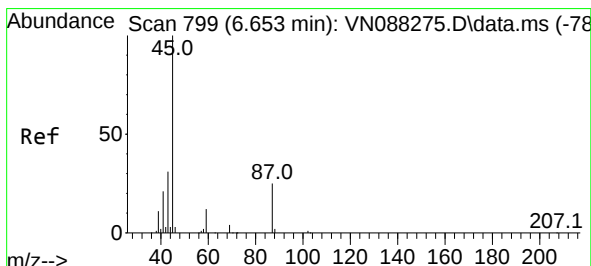
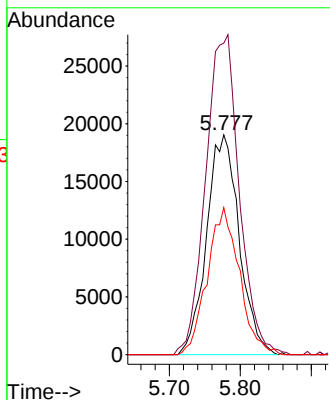
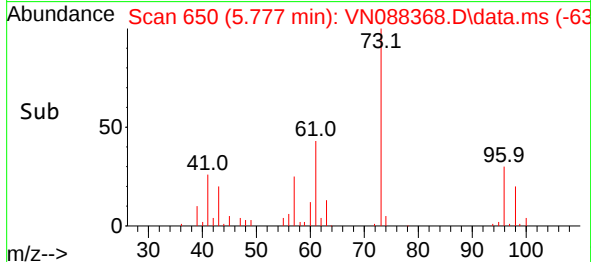
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



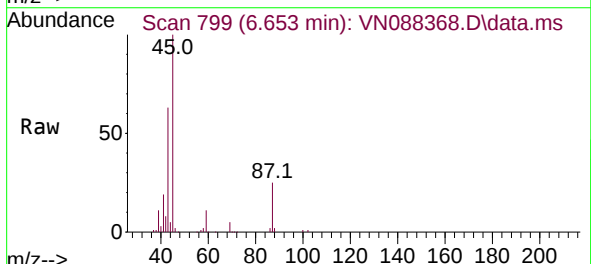
Tgt Ion: 96 Resp: 60880  
Ion Ratio Lower Upper  
96 100  
61 139.5 117.0 175.4  
98 66.8 48.6 72.8

Manual Integrations  
APPROVED

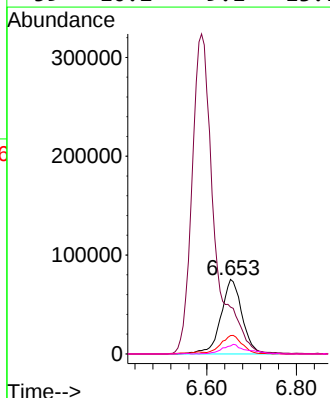
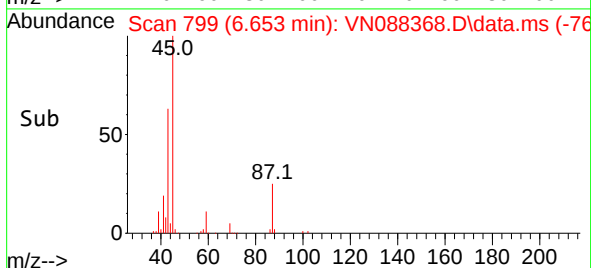
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

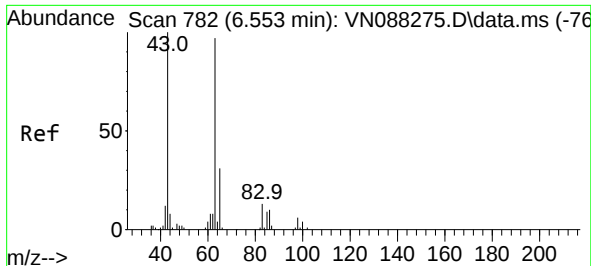


#20  
Diisopropyl ether  
Concen: 20.029 ug/l  
RT: 6.653 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



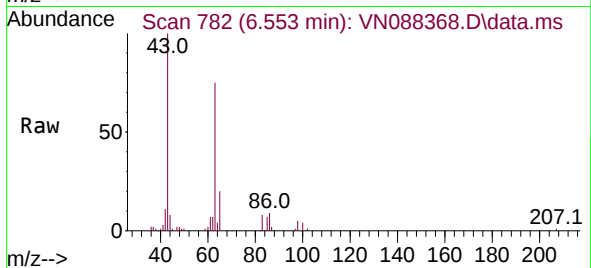
Tgt Ion: 45 Resp: 246025  
Ion Ratio Lower Upper  
45 100  
43 61.4 51.9 77.9  
87 24.5 21.1 31.7  
59 10.2 9.1 13.7





#21  
1,1-Dichloroethane  
Concen: 19.694 ug/l  
RT: 6.553 min Scan# 782  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

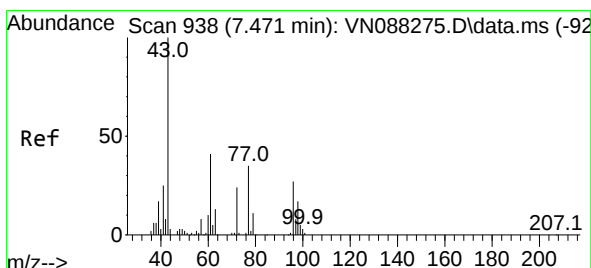
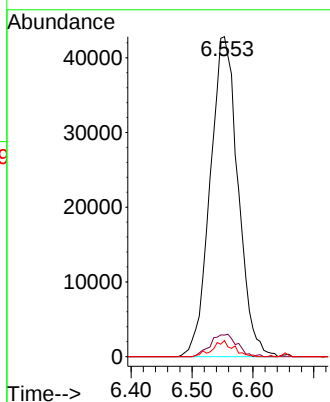
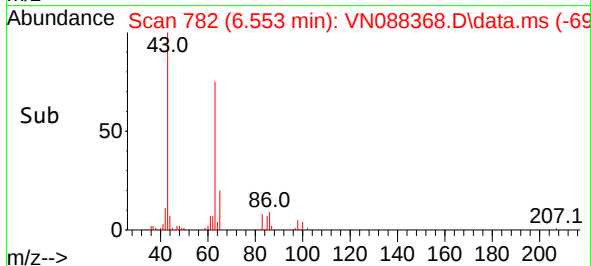
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



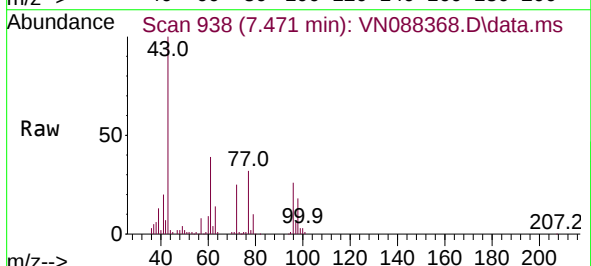
Tgt Ion: 63 Resp: 136289  
Ion Ratio Lower Upper  
63 100  
98 6.7 3.0 9.0  
100 5.1 2.1 6.3

Manual Integrations  
APPROVED

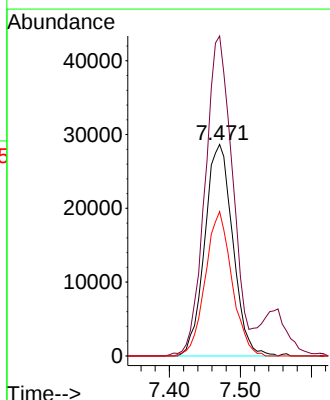
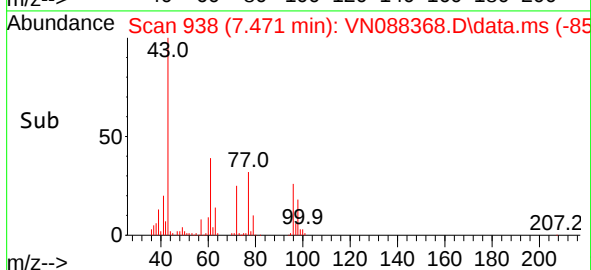
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

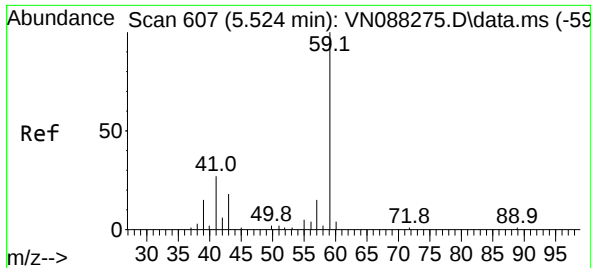


#22  
cis-1,2-Dichloroethene  
Concen: 19.614 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion: 96 Resp: 78523  
Ion Ratio Lower Upper  
96 100  
61 147.4 131.2 196.8  
98 64.7 51.0 76.4





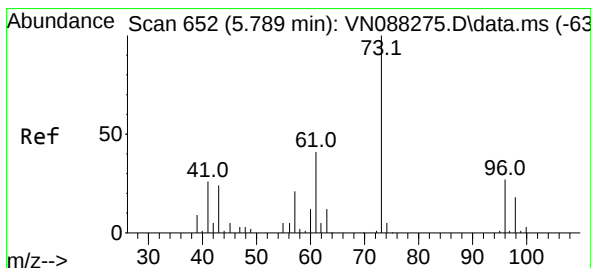
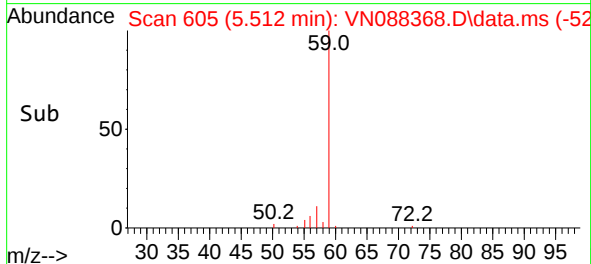
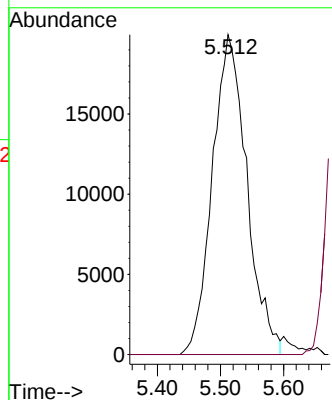
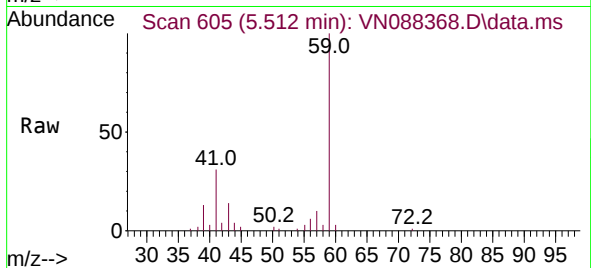
#23  
tert-Butyl Alcohol  
Concen: 94.878 ug/l  
RT: 5.512 min Scan# 607  
Delta R.T. -0.012 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 59 Resp: 75652  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

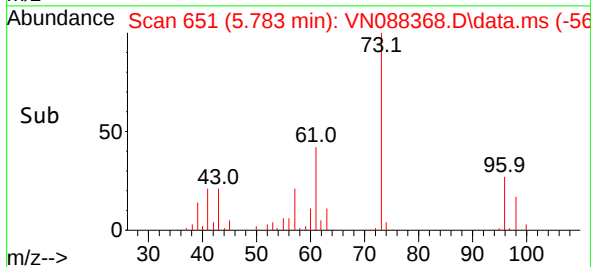
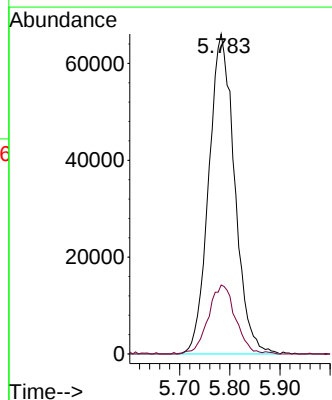
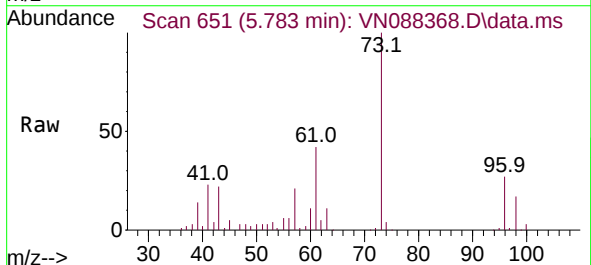
Manual Integrations  
APPROVED

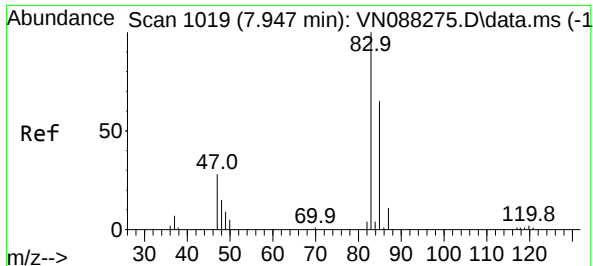
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#24  
Methyl tert-Butyl Ether  
Concen: 19.841 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 73 Resp: 236639  
Ion Ratio Lower Upper  
73 100  
43 22.5 18.5 27.7





#25

Chloroform

Concen: 19.757 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 135478

Ion Ratio Lower Upper

83 100

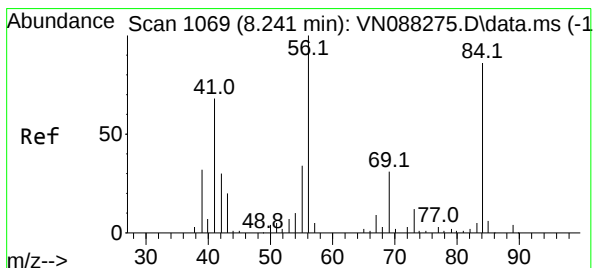
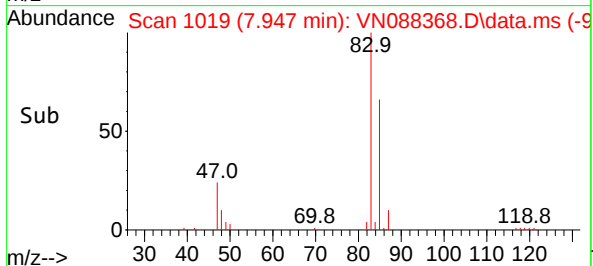
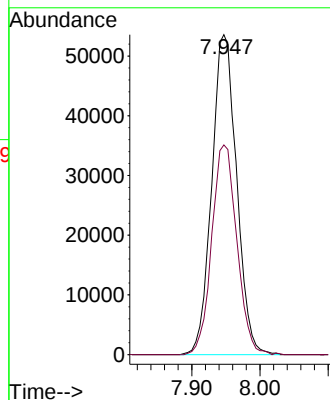
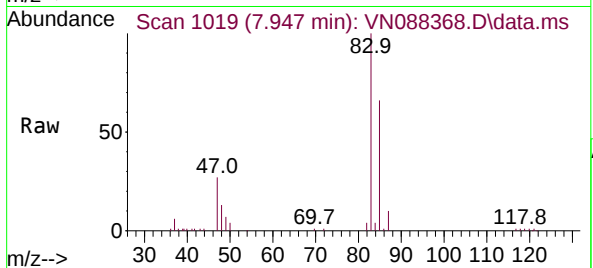
85 65.5 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#26

Cyclohexane

Concen: 14.875 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

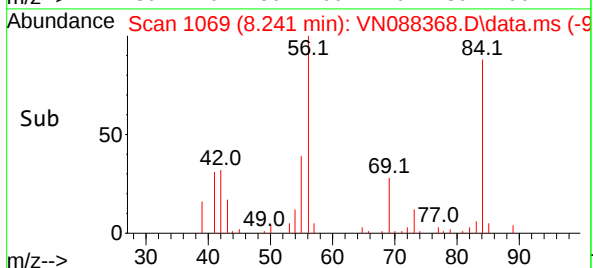
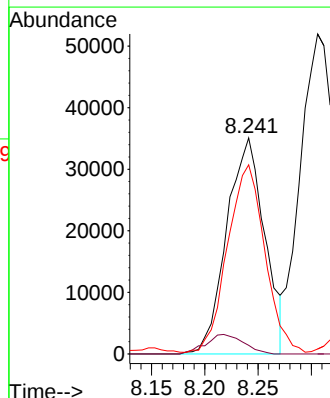
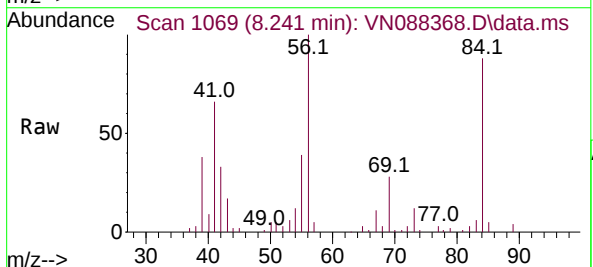
Tgt Ion: 56 Resp: 86950

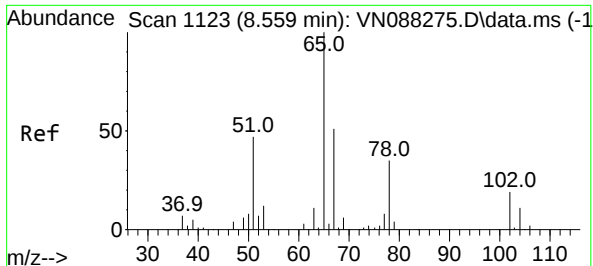
Ion Ratio Lower Upper

56 100

89 8.9 7.3 10.9

84 85.6 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 27.844 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 136818

Ion Ratio Lower Upper

65 100

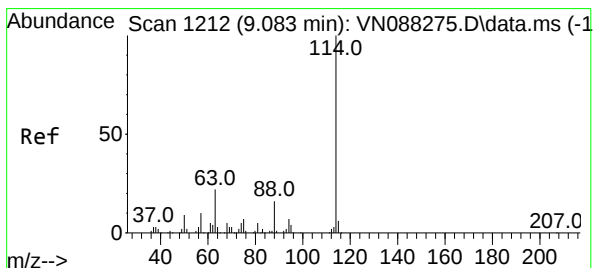
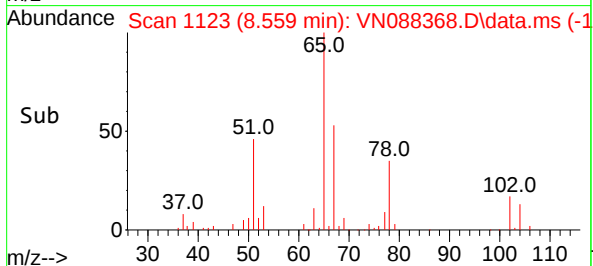
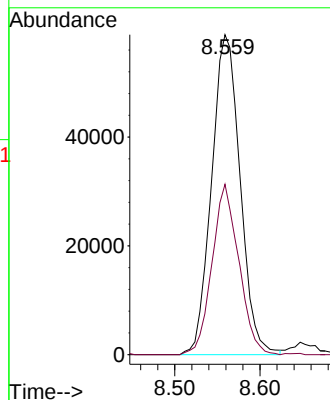
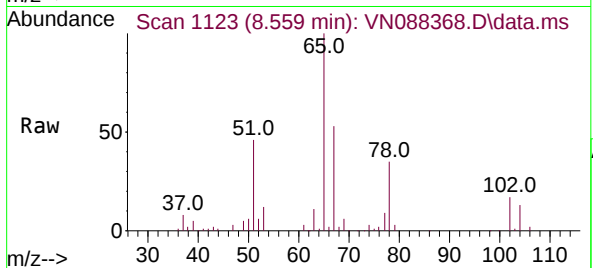
67 49.9 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

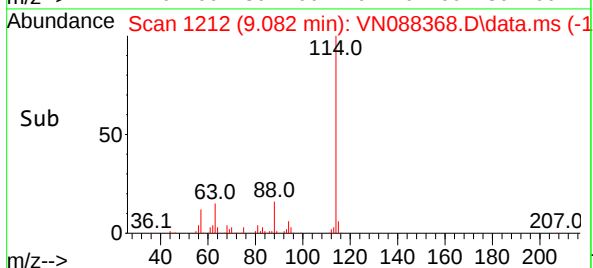
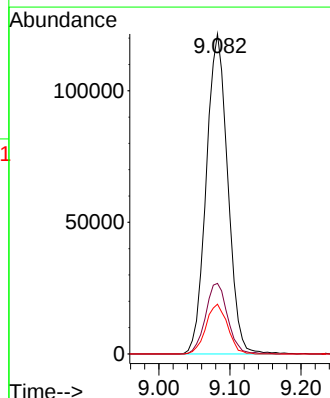
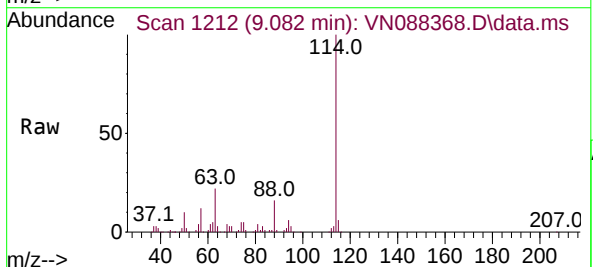
Tgt Ion:114 Resp: 255087

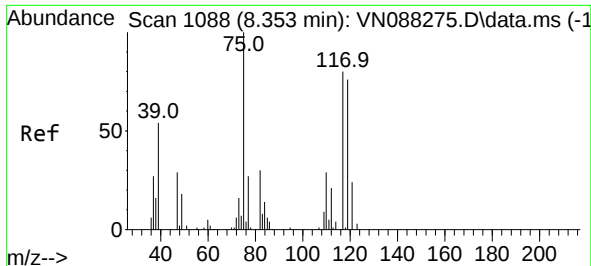
Ion Ratio Lower Upper

114 100

63 22.6 18.9 28.3

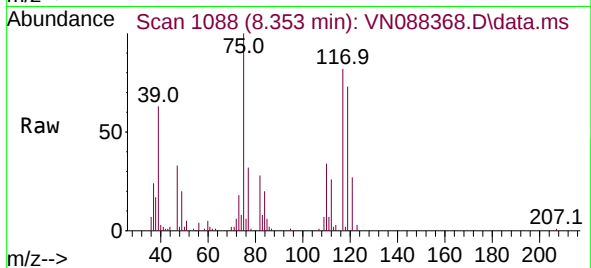
88 15.6 12.8 19.2





#29  
1,1-Dichloropropene  
Concen: 18.700 ug/l  
RT: 8.353 min Scan# 1088  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

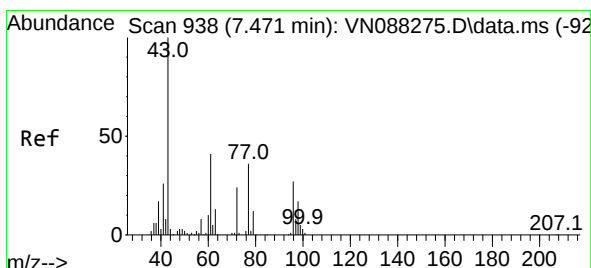
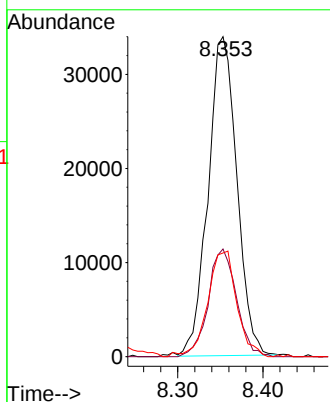
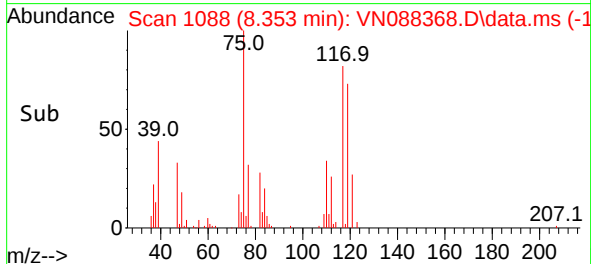
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



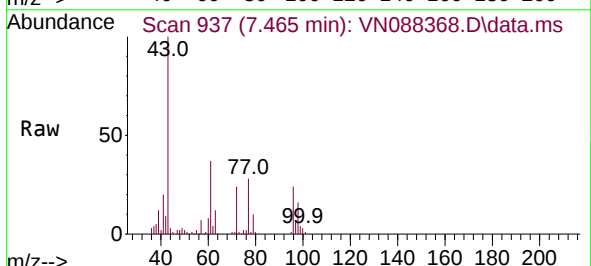
Tgt Ion: 75 Resp: 79590  
Ion Ratio Lower Upper  
75 100  
110 33.1 0.0 65.6  
77 33.0 0.0 60.8

Manual Integrations  
APPROVED

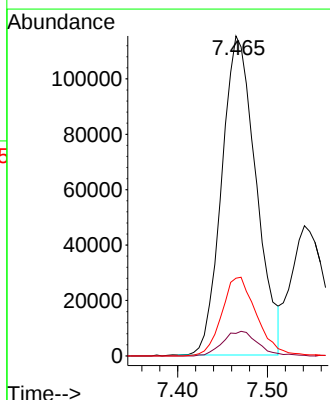
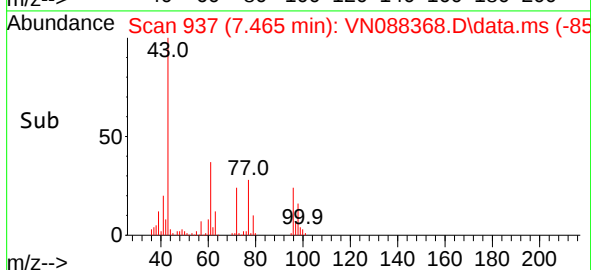
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

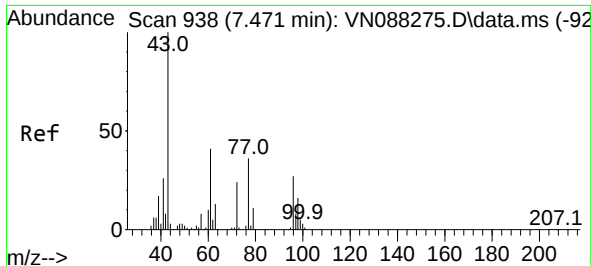


#30  
2-Butanone  
Concen: 111.775 ug/l  
RT: 7.465 min Scan# 937  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion: 43 Resp: 307740  
Ion Ratio Lower Upper  
43 100  
57 7.9 6.2 9.4  
72 25.1 19.4 29.2





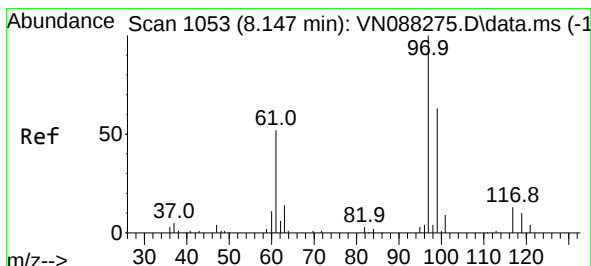
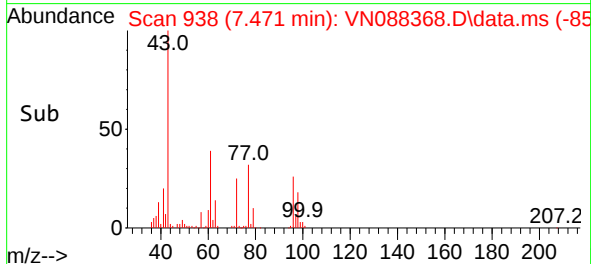
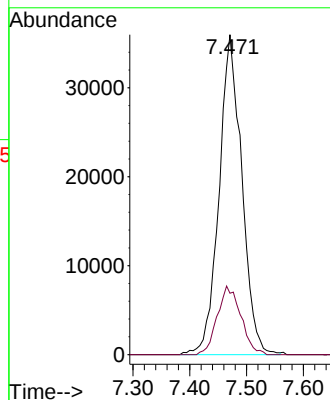
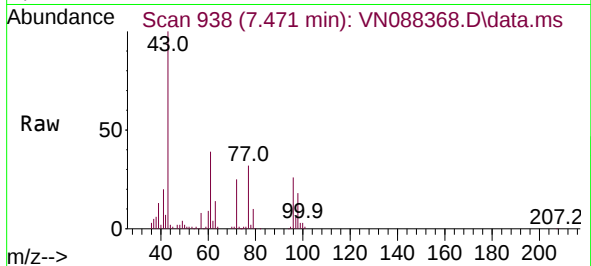
#31  
2,2-Dichloropropane  
Concen: 19.051 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 77 Resp: 100010  
Ion Ratio Lower Upper  
77 100  
97 22.1 16.8 25.2

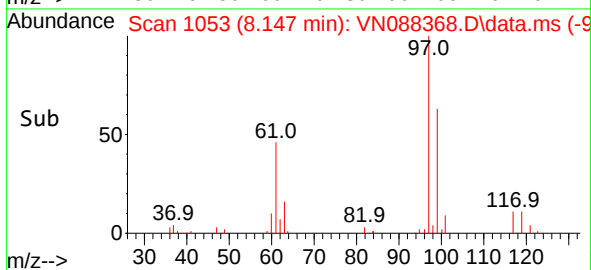
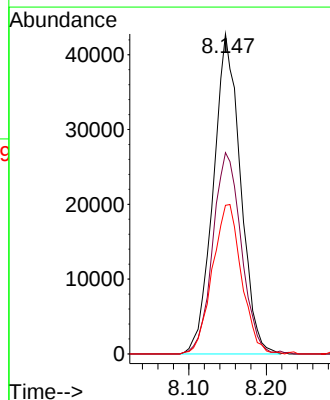
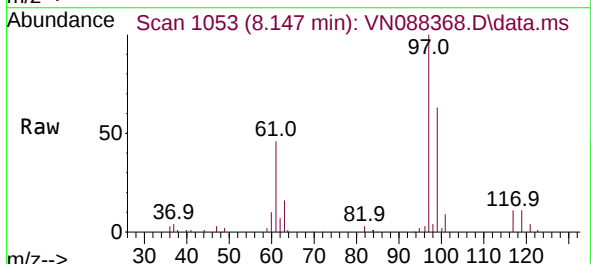
Manual Integrations  
APPROVED

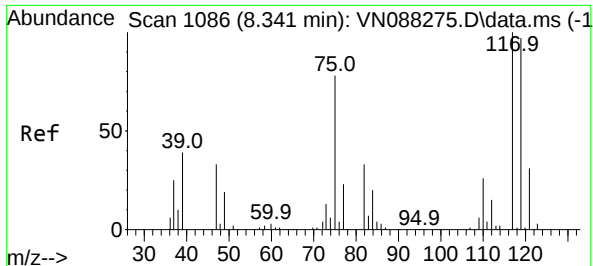
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#32  
1,1,1-Trichloroethane  
Concen: 19.902 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

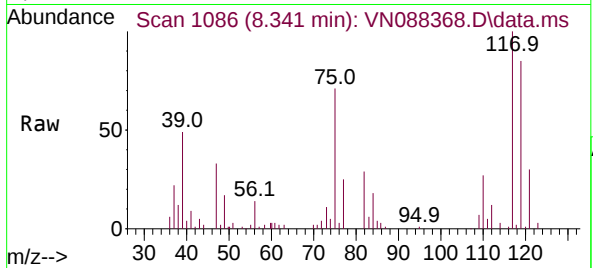
Tgt Ion: 97 Resp: 104423  
Ion Ratio Lower Upper  
97 100  
99 65.8 50.2 75.4  
61 49.9 39.8 59.8





#33  
Carbon Tetrachloride  
Concen: 19.104 ug/l  
RT: 8.341 min Scan# 1086  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

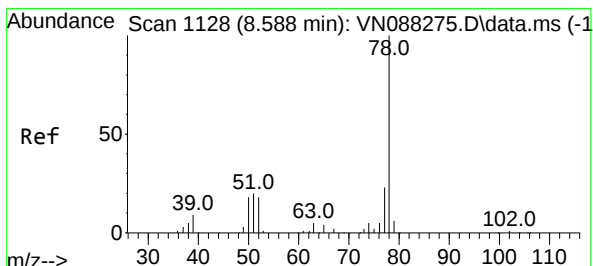
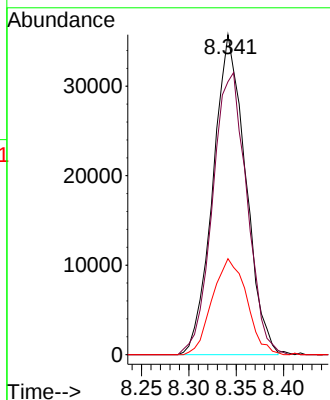
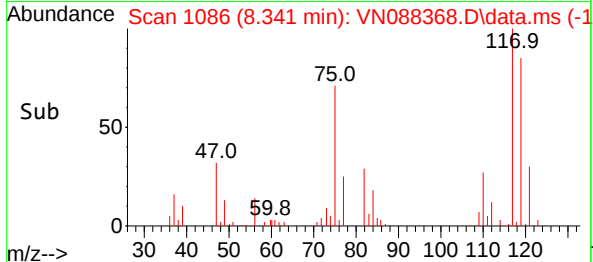
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



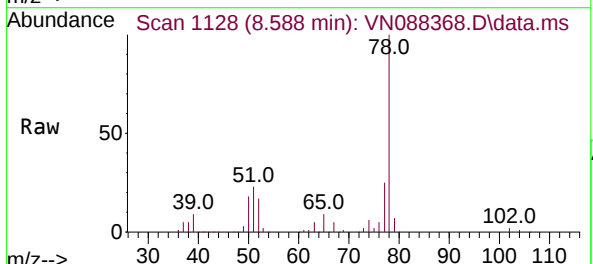
Tgt Ion: 117 Resp: 85596  
Ion Ratio Lower Upper  
117 100  
119 85.3 77.8 116.8  
121 30.0 24.5 36.7

Manual Integrations  
APPROVED

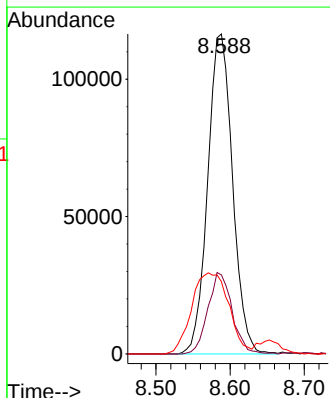
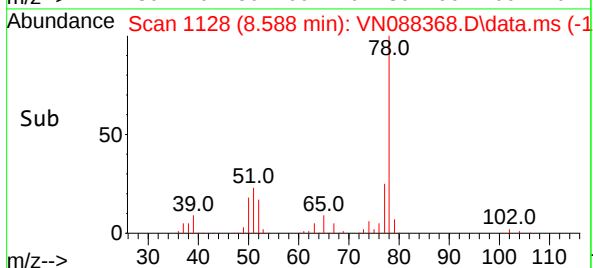
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

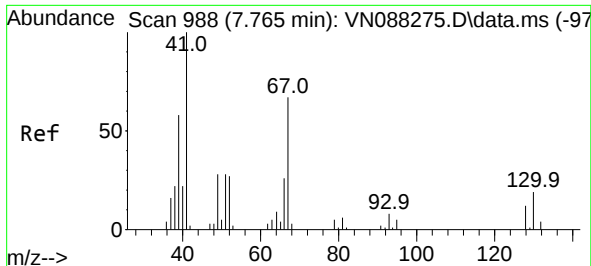


#34  
Benzene  
Concen: 21.335 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



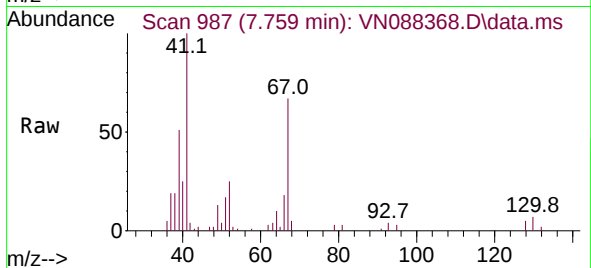
Tgt Ion: 78 Resp: 271435  
Ion Ratio Lower Upper  
78 100  
77 24.7 18.6 27.8  
51 19.5 15.8 23.8





#35  
Methacrylonitrile  
Concen: 22.578 ug/l  
RT: 7.759 min Scan# 988  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

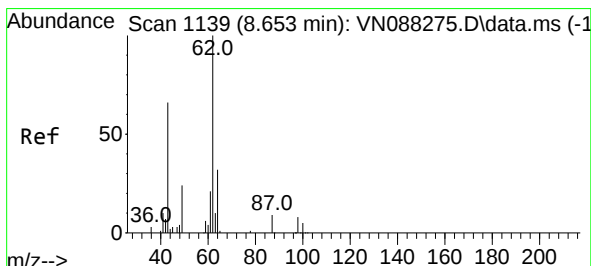
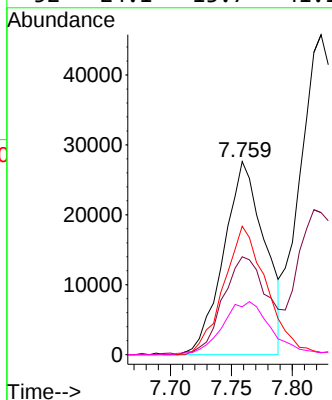
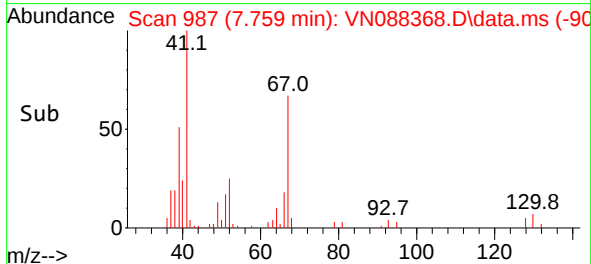
Instrument :  
MSVOA\_N  
Client Sample Id :  
VSTDCCC020EC



Tgt Ion: 41 Resp: 64840  
Ion Ratio Lower Upper  
41 100  
39 50.7 29.0 87.0  
67 66.5 33.3 99.9  
52 24.1 13.7 41.1

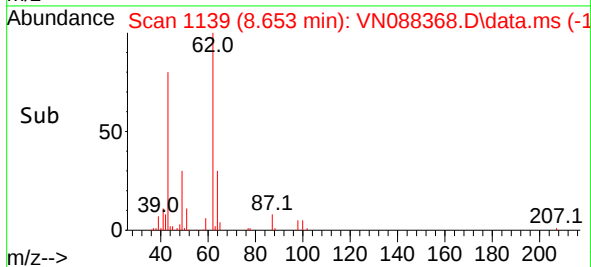
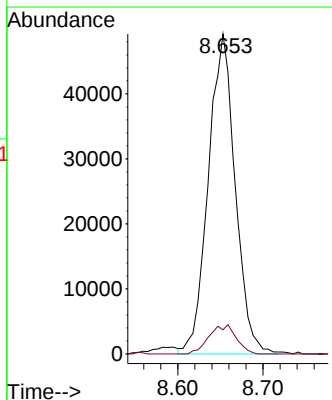
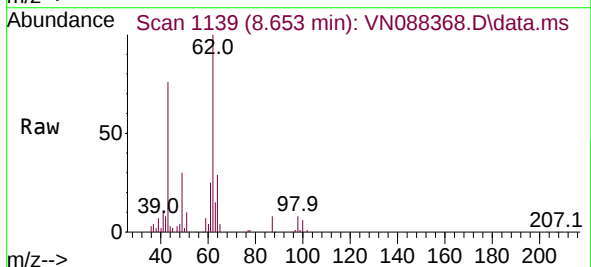
Manual Integrations  
APPROVED

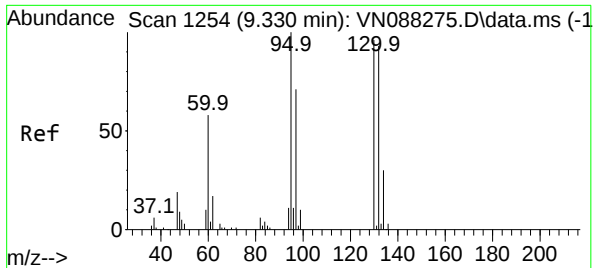
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#36  
1,2-Dichloroethane  
Concen: 21.818 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 62 Resp: 108028  
Ion Ratio Lower Upper  
62 100  
98 9.2 6.8 10.2





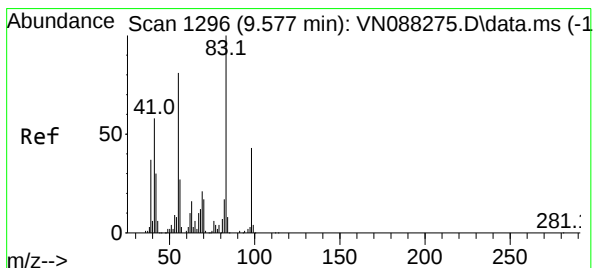
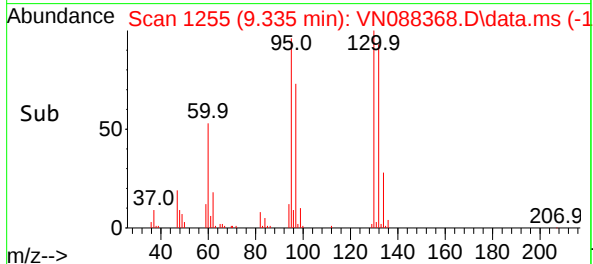
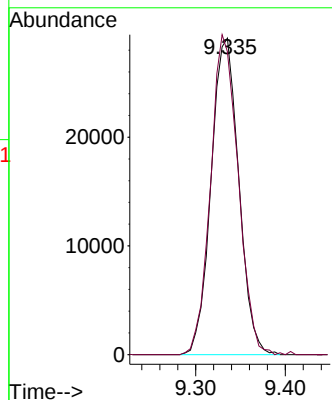
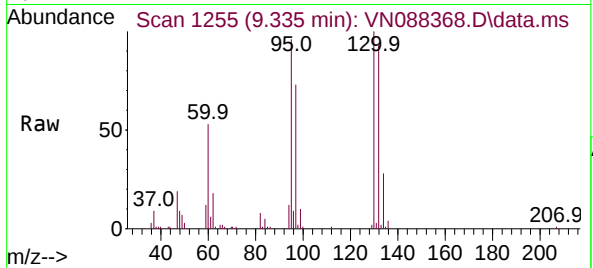
#37  
Trichloroethene  
Concen: 21.650 ug/l  
RT: 9.335 min Scan# 1254  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:130 Resp: 62418  
Ion Ratio Lower Upper  
130 100  
95 95.8 83.7 125.5

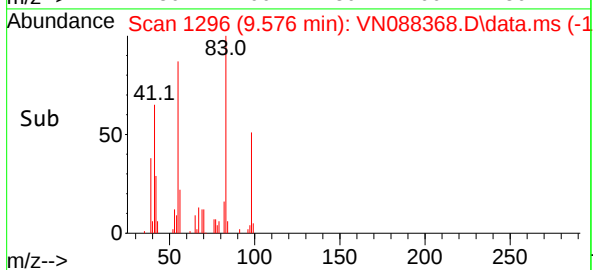
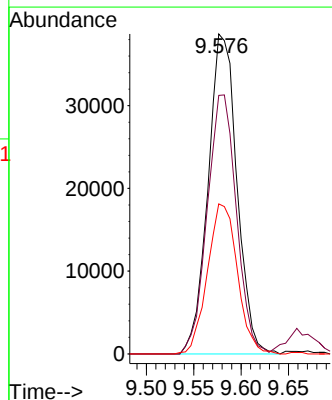
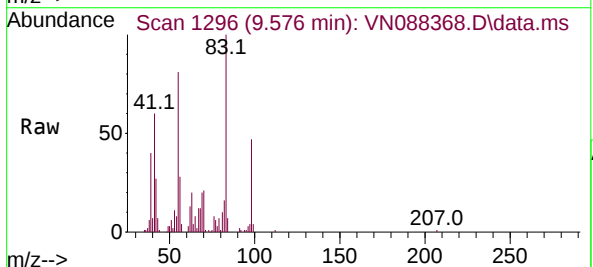
Manual Integrations  
APPROVED

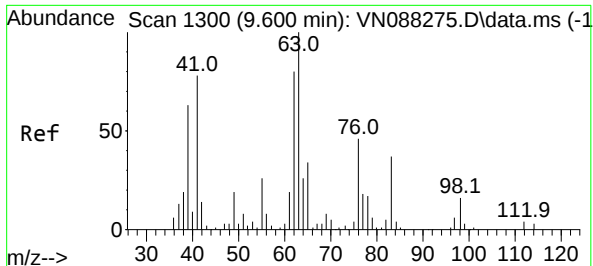
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#38  
Methylcyclohexane  
Concen: 16.814 ug/l  
RT: 9.576 min Scan# 1296  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 83 Resp: 82048  
Ion Ratio Lower Upper  
83 100  
55 81.8 40.8 122.5  
98 48.5 23.4 70.3





#39

1,2-Dichloropropane

Concen: 22.144 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 72684

Ion Ratio Lower Upper

63 100

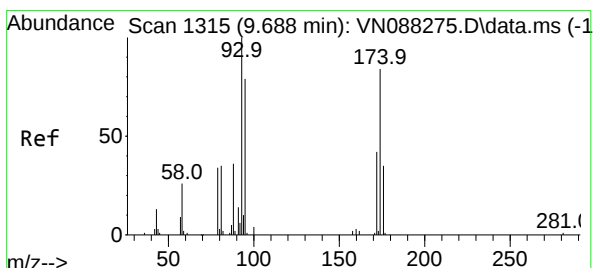
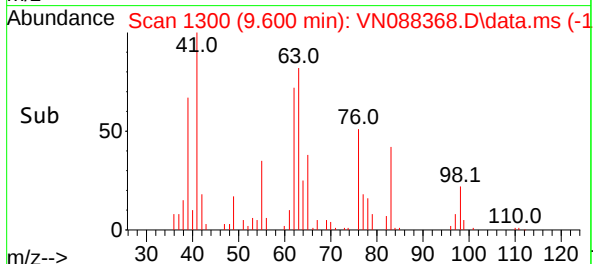
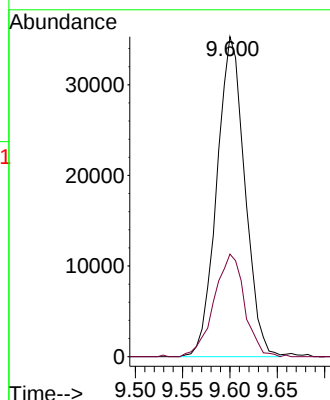
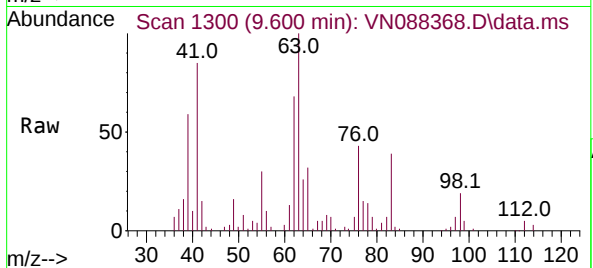
65 32.0 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#40

Dibromomethane

Concen: 23.186 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

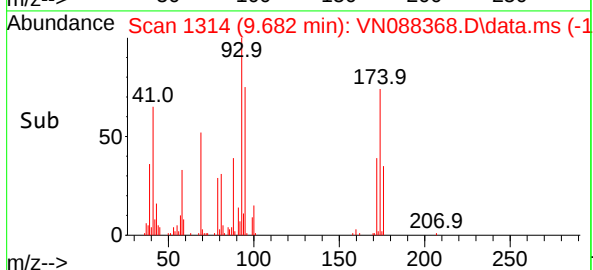
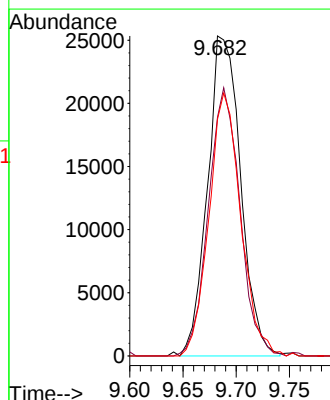
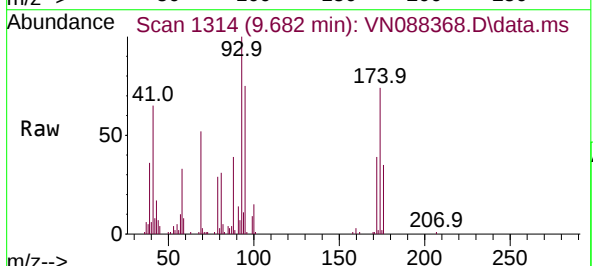
Tgt Ion: 93 Resp: 54679

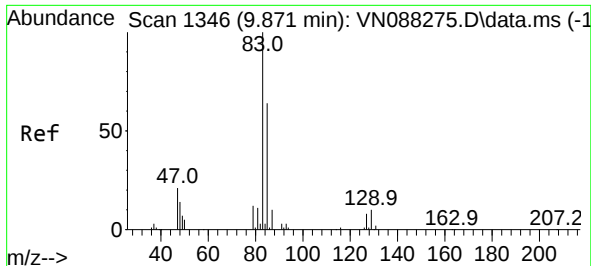
Ion Ratio Lower Upper

93 100

95 80.0 0.0 161.6

174 78.8 0.0 158.2





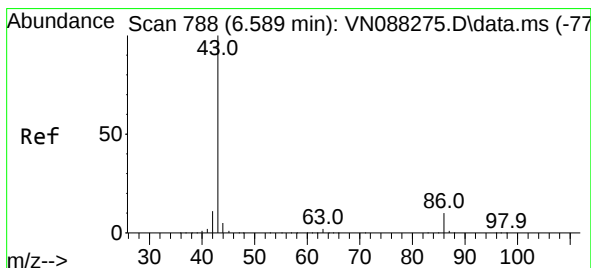
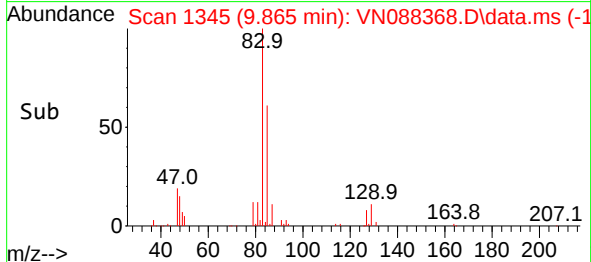
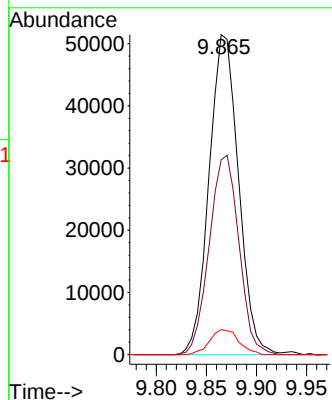
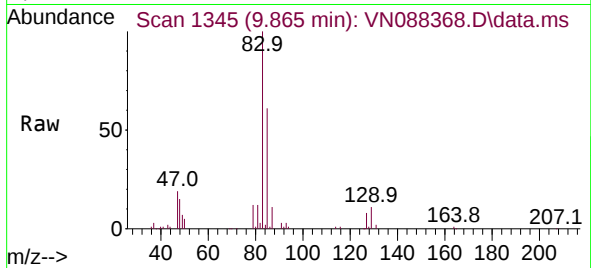
#41  
Bromodichloromethane  
Concen: 22.127 ug/l  
RT: 9.865 min Scan# 1346  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 105048  
Ion Ratio Lower Upper  
83 100  
85 60.9 51.4 77.2  
127 7.8 6.4 9.6

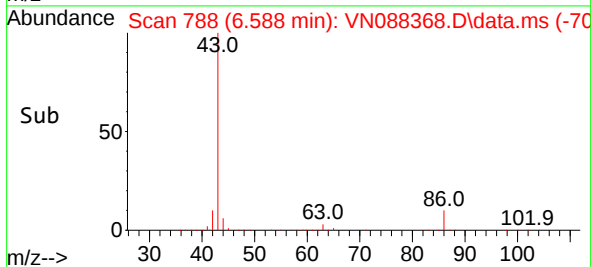
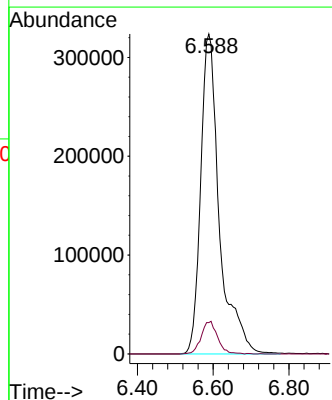
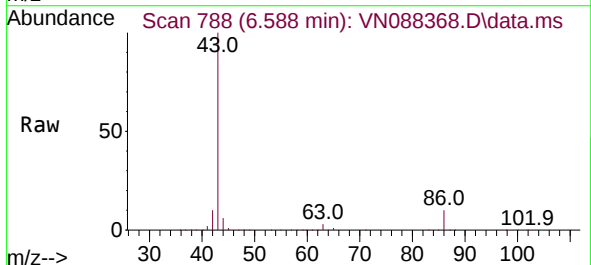
Manual Integrations  
APPROVED

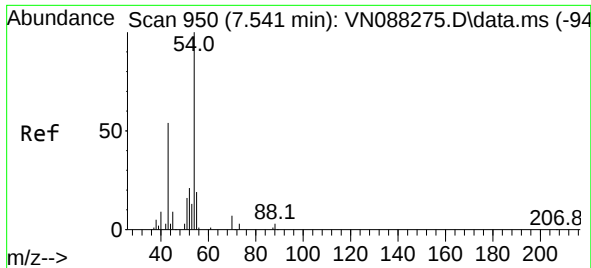
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#42  
Vinyl Acetate  
Concen: 120.597 ug/l  
RT: 6.588 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

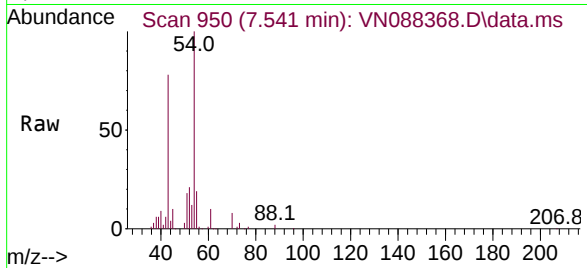
Tgt Ion: 43 Resp: 1108185  
Ion Ratio Lower Upper  
43 100  
86 8.8 7.4 11.2





#43  
Ethyl Acetate  
Concen: 20.841 ug/l  
RT: 7.541 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

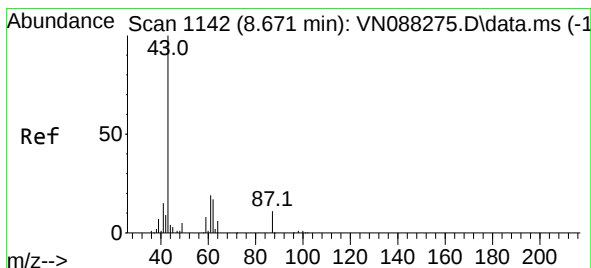
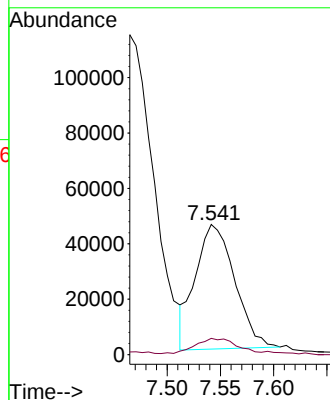
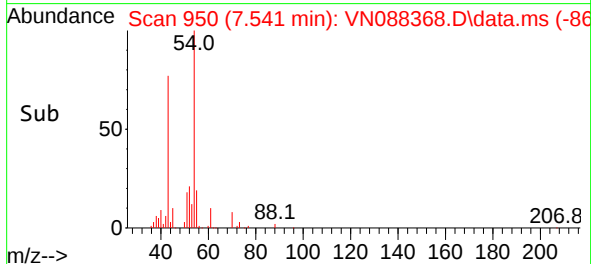
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 115453  
Ion Ratio Lower Upper  
43 100  
45 14.0 9.9 14.9

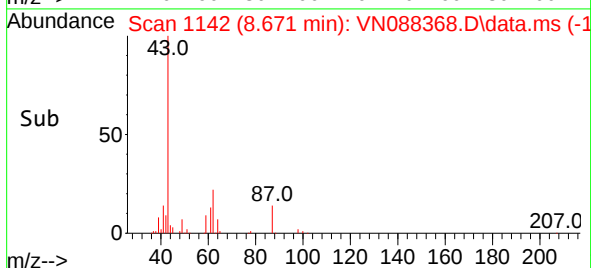
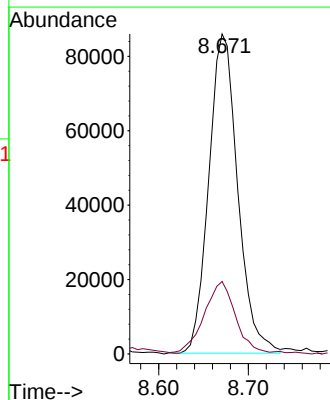
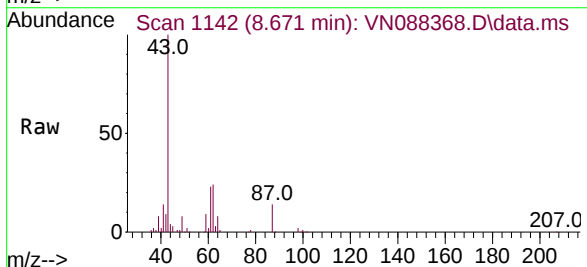
Manual Integrations  
APPROVED

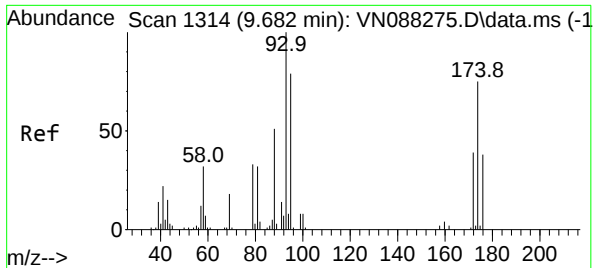
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#44  
Isopropyl Acetate  
Concen: 22.636 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

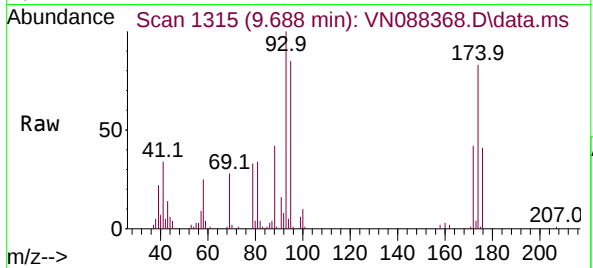
Tgt Ion: 43 Resp: 193247  
Ion Ratio Lower Upper  
43 100  
61 23.8 19.0 28.6





#45  
1,4-Dioxane  
Concen: 513.130 ug/l  
RT: 9.688 min Scan# 1314  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

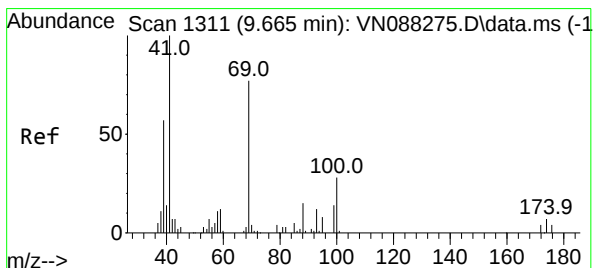
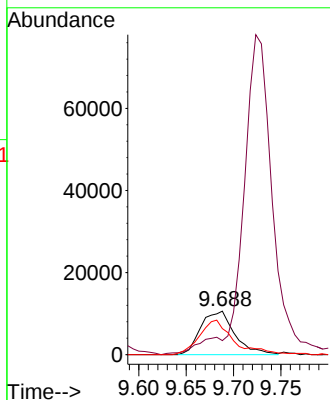
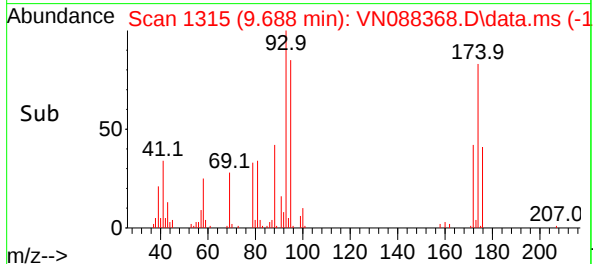
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 88 Resp: 26380  
Ion Ratio Lower Upper  
88 100  
43 31.6 27.8 41.8  
58 69.9 59.5 89.3

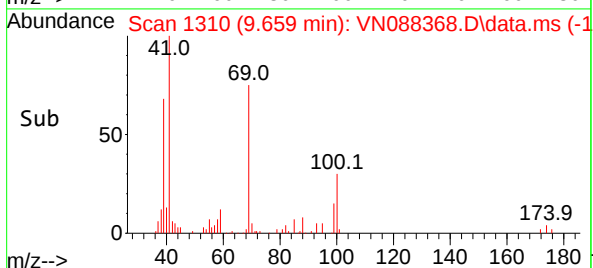
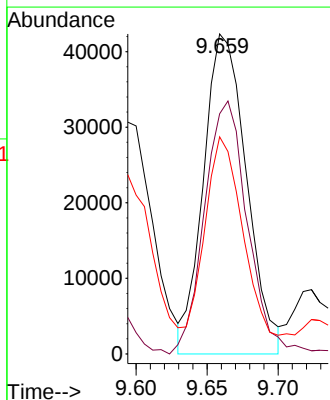
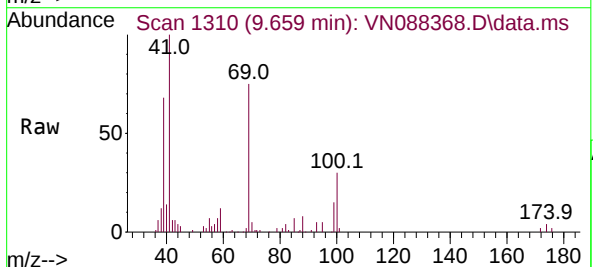
Manual Integrations  
APPROVED

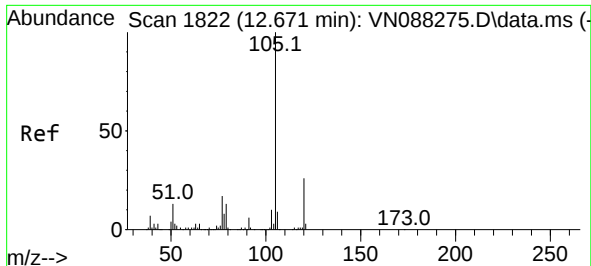
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#46  
Methyl methacrylate  
Concen: 22.348 ug/l  
RT: 9.659 min Scan# 1310  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

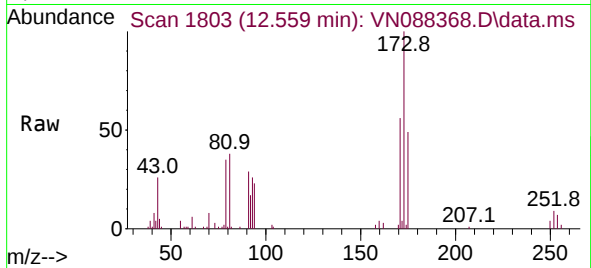
Tgt Ion: 41 Resp: 89278  
Ion Ratio Lower Upper  
41 100  
69 78.8 38.5 115.3  
39 67.8 29.0 87.1





#47  
n-amy1 Acetate  
Concen: 22.006 ug/l m  
RT: 12.559 min Scan# 1822  
Delta R.T. -0.112 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

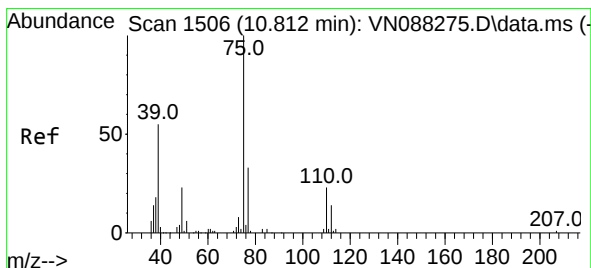
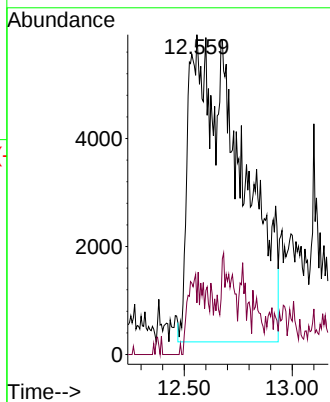
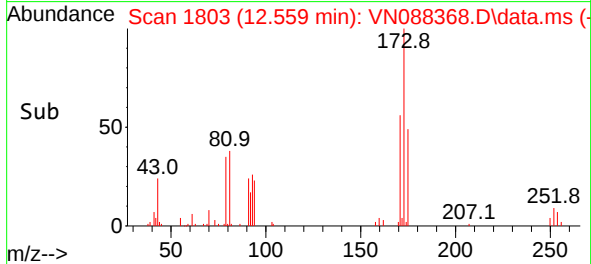
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 95199  
Ion Ratio Lower Upper  
43 100  
55 2.0 0.0 0.0

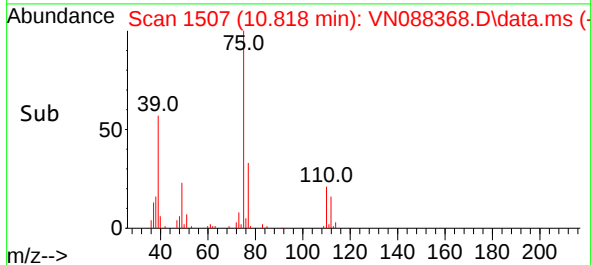
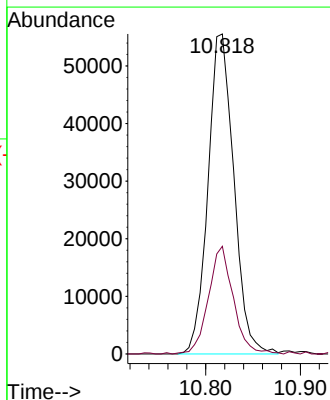
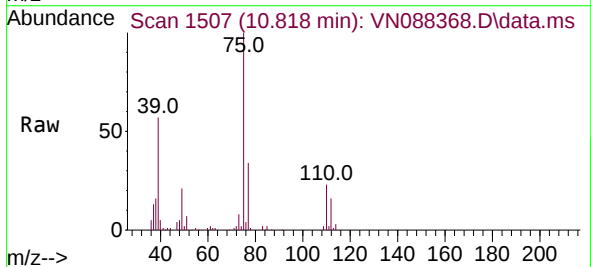
Manual Integrations  
APPROVED

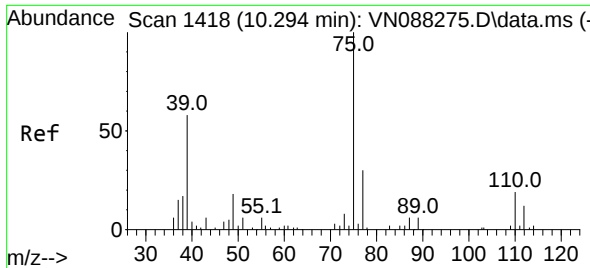
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#48  
t-1,3-Dichloropropene  
Concen: 20.772 ug/l  
RT: 10.818 min Scan# 1507  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

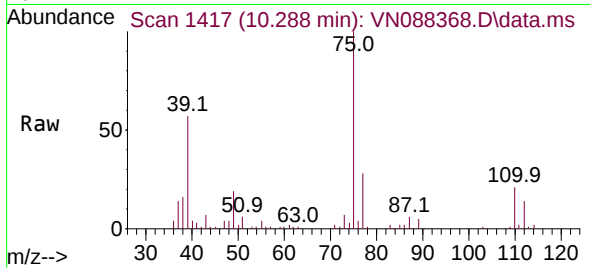
Tgt Ion: 75 Resp: 105475  
Ion Ratio Lower Upper  
75 100  
77 33.4 26.1 39.1





#49  
 cis-1,3-Dichloropropene  
 Concen: 21.576 ug/l  
 RT: 10.288 min Scan# 1417  
 Delta R.T. -0.006 min  
 Lab File: VN088368.D  
 Acq: 26 Nov 2025 13:12

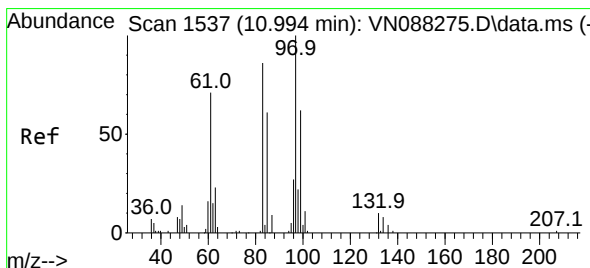
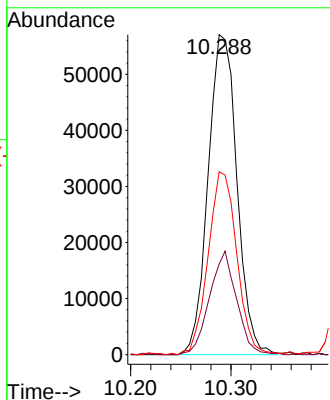
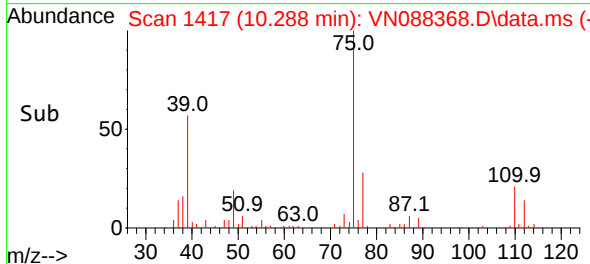
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 75 Resp: 113992  
 Ion Ratio Lower Upper  
 75 100  
 77 28.3 24.4 36.6  
 39 57.1 46.1 69.1

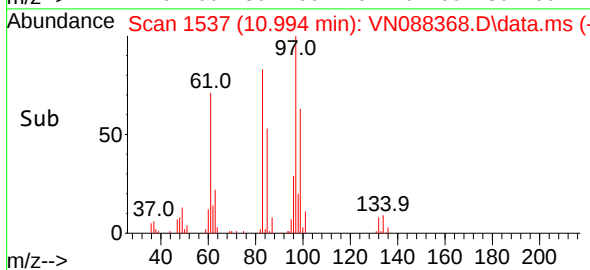
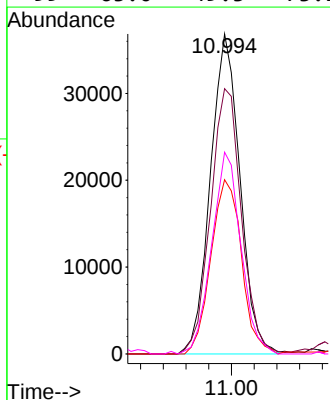
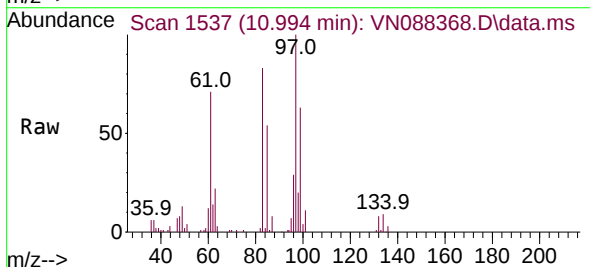
Manual Integrations  
 APPROVED

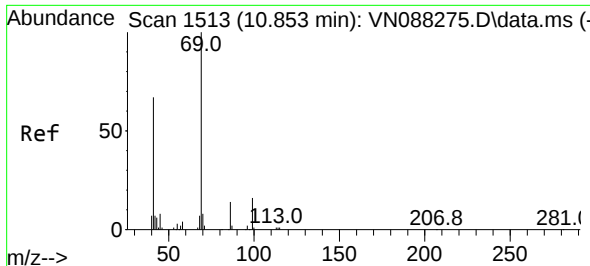
Reviewed By :John Carlone 12/01/2025  
 Supervised By :Semsettin Yesilyurt 12/01/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 22.816 ug/l  
 RT: 10.994 min Scan# 1537  
 Delta R.T. -0.000 min  
 Lab File: VN088368.D  
 Acq: 26 Nov 2025 13:12

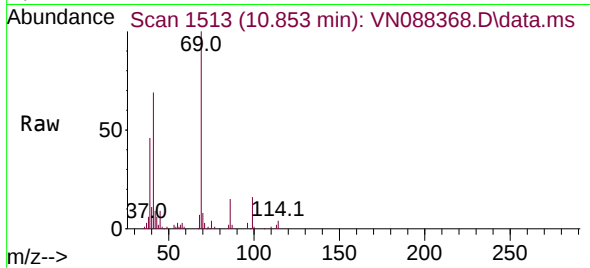
Tgt Ion: 97 Resp: 66533  
 Ion Ratio Lower Upper  
 97 100  
 83 82.9 68.6 102.8  
 85 54.4 49.0 73.6  
 99 63.0 49.3 73.9





#51  
Ethyl methacrylate  
Concen: 21.641 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

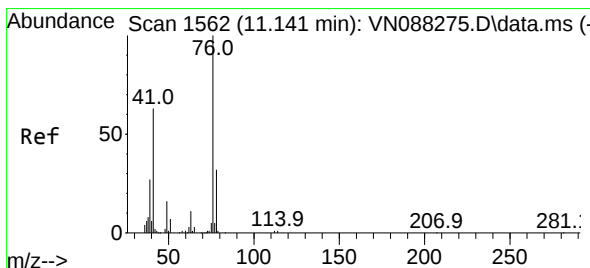
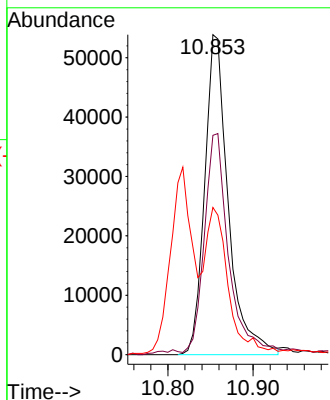
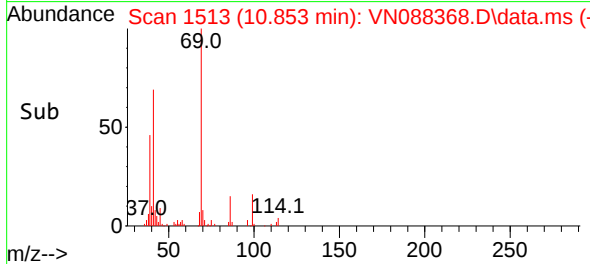
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 69 Resp: 103827  
Ion Ratio Lower Upper  
69 100  
41 67.6 33.6 100.8  
39 45.0 23.4 70.2

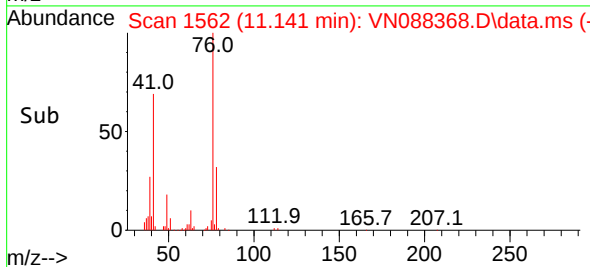
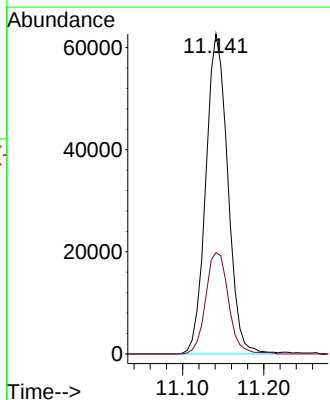
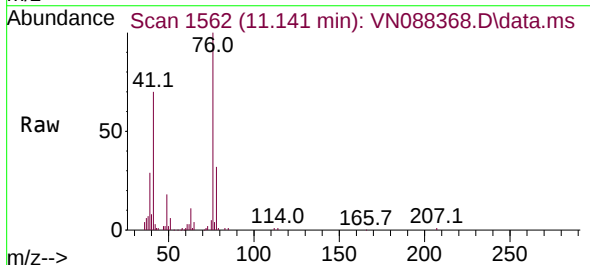
Manual Integrations  
APPROVED

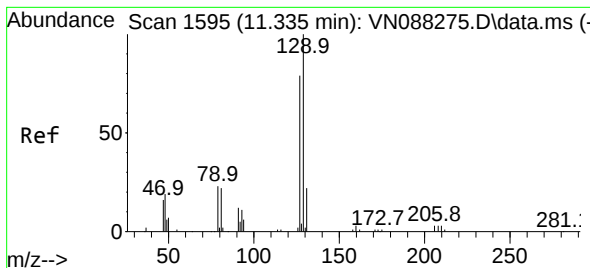
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#52  
1,3-Dichloropropane  
Concen: 22.201 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 76 Resp: 117901  
Ion Ratio Lower Upper  
76 100  
78 32.8 0.0 64.2





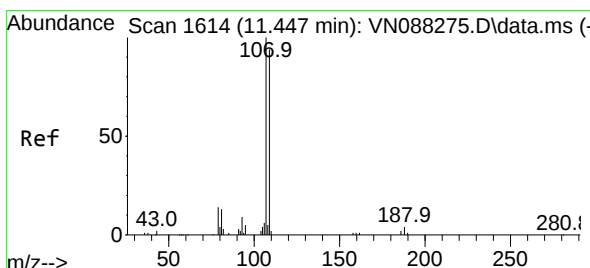
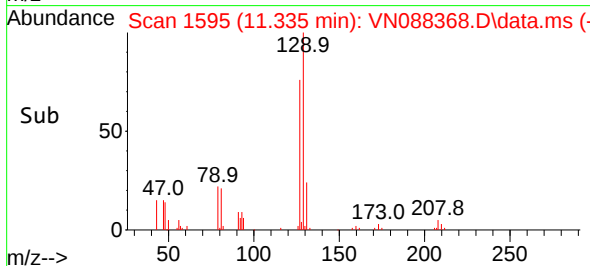
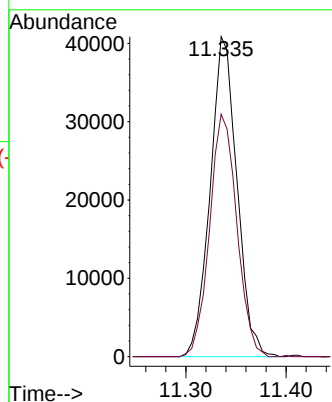
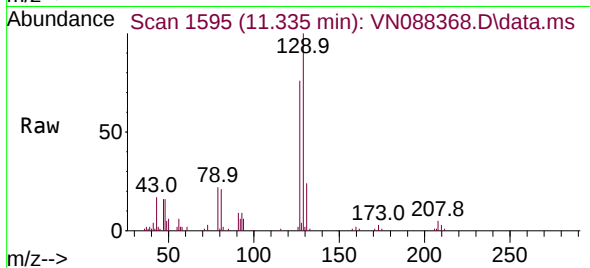
#53  
Dibromochloromethane  
Concen: 22.668 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:129 Resp: 7592  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.2 114.6

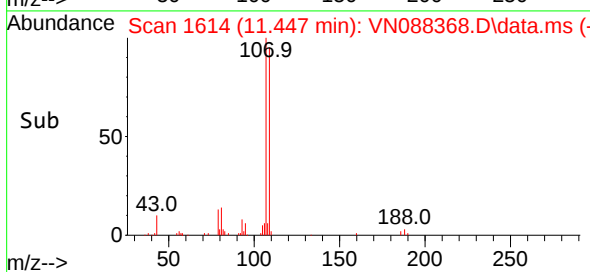
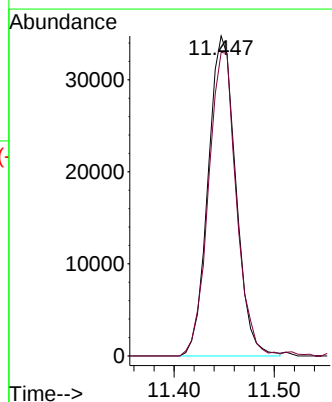
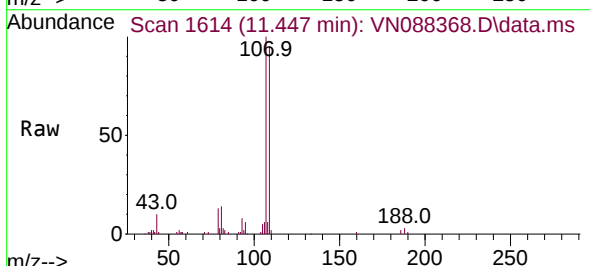
Manual Integrations  
APPROVED

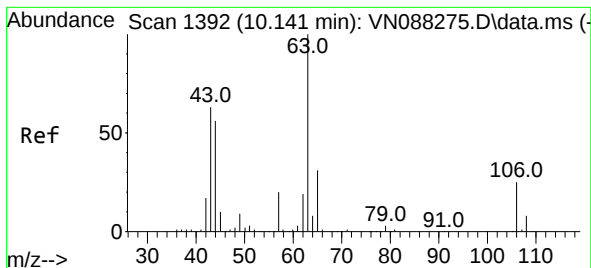
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#54  
1,2-Dibromoethane  
Concen: 21.966 ug/l  
RT: 11.447 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

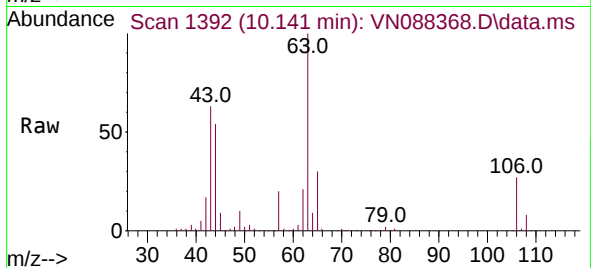
Tgt Ion:107 Resp: 66553  
Ion Ratio Lower Upper  
107 100  
109 95.7 76.6 115.0





#55  
2-Chloroethyl vinyl ether  
Concen: 106.748 ug/l  
RT: 10.141 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

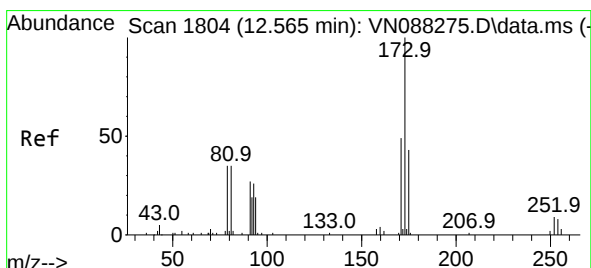
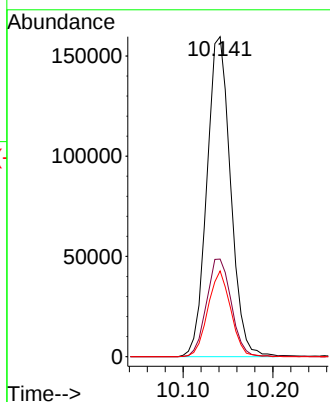
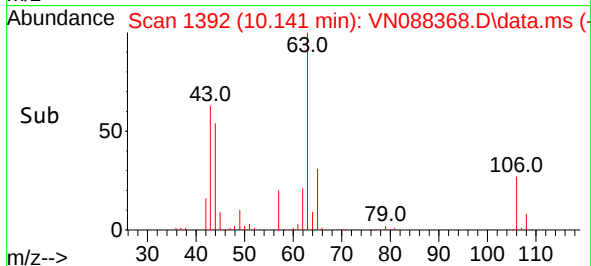
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



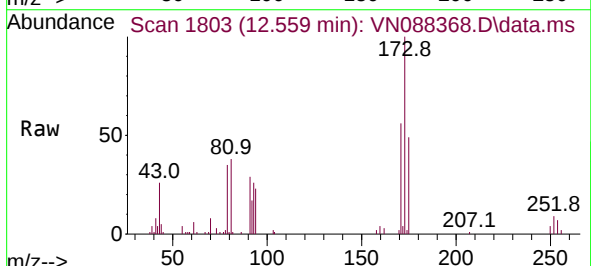
Tgt Ion: 63 Resp: 295018  
Ion Ratio Lower Upper  
63 100  
65 31.6 24.9 37.3  
106 25.7 20.3 30.5

Manual Integrations  
APPROVED

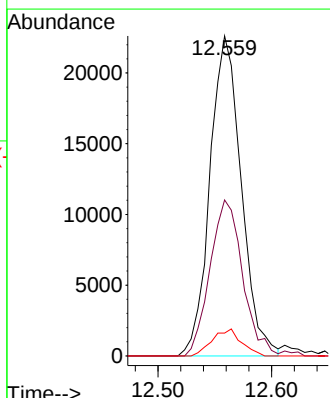
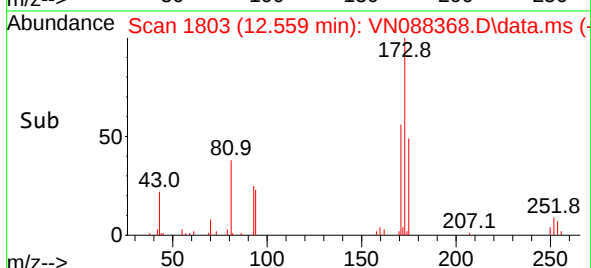
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

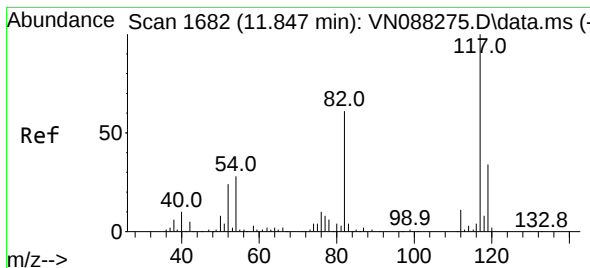


#56  
Bromoform  
Concen: 20.456 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



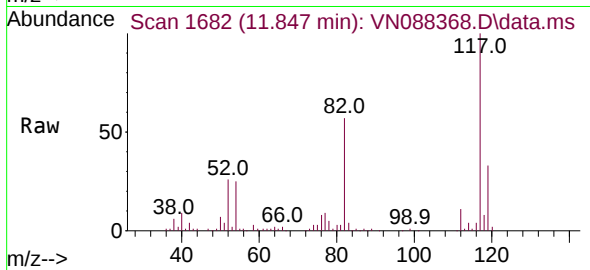
Tgt Ion:173 Resp: 43369  
Ion Ratio Lower Upper  
173 100  
175 50.6 37.7 56.5  
254 7.8 5.9 8.9





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

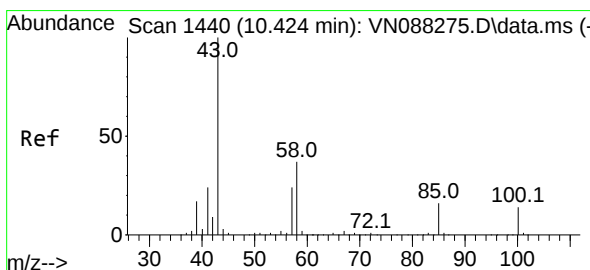
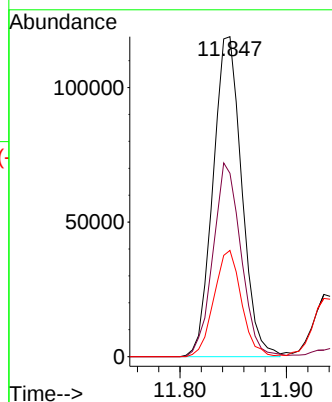
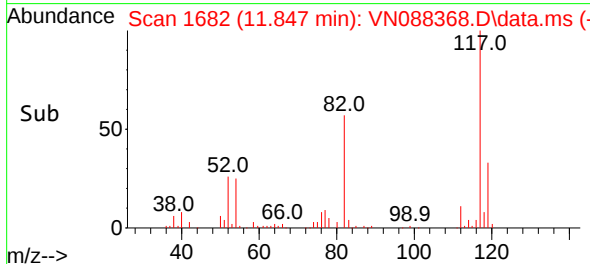
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:117 Resp: 222840  
Ion Ratio Lower Upper  
117 100  
82 58.8 49.3 73.9  
119 31.8 26.4 39.6

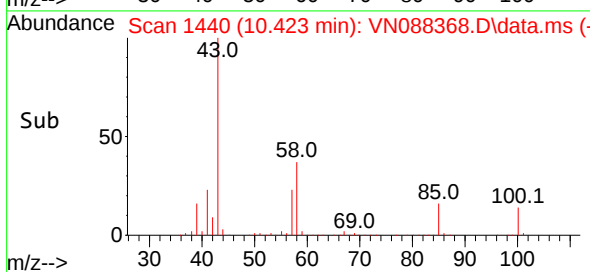
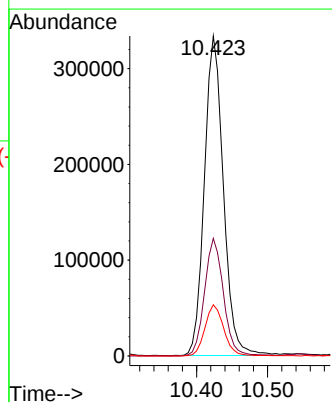
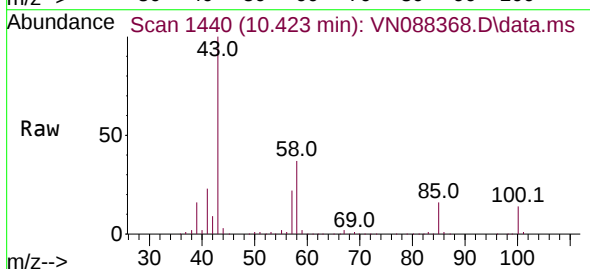
Manual Integrations  
APPROVED

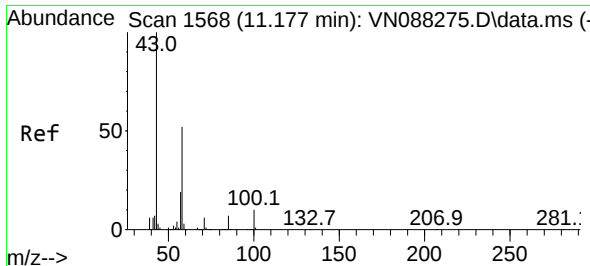
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#58  
4-Methyl-2-Pentanone  
Concen: 122.851 ug/l  
RT: 10.423 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

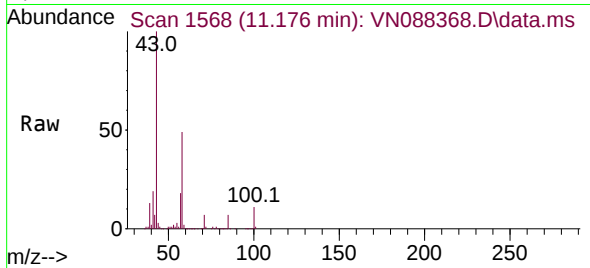
Tgt Ion: 43 Resp: 619181  
Ion Ratio Lower Upper  
43 100  
58 36.6 29.2 43.8  
85 15.8 12.6 19.0





#59  
2-Hexanone  
Concen: 117.048 ug/l  
RT: 11.176 min Scan# 1117  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

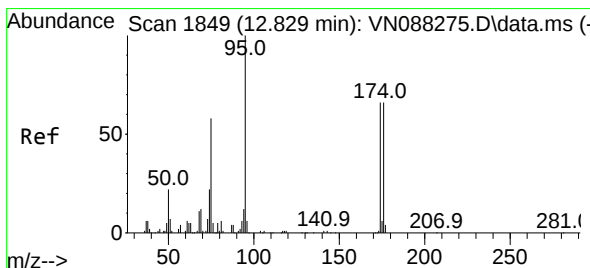
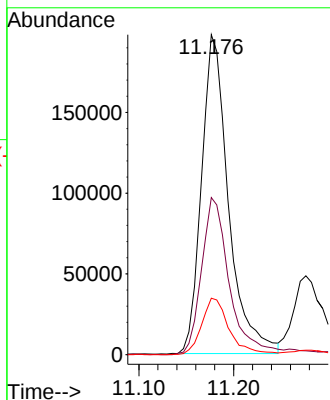
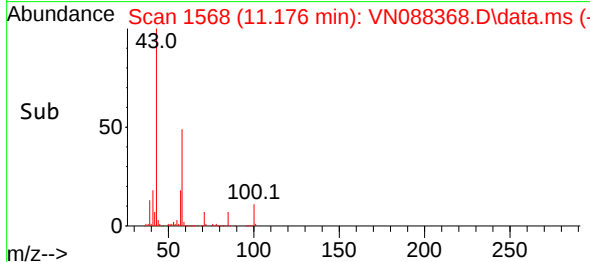
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 391732  
Ion Ratio Lower Upper  
43 100  
58 50.5 41.0 61.4  
57 18.0 14.4 21.6

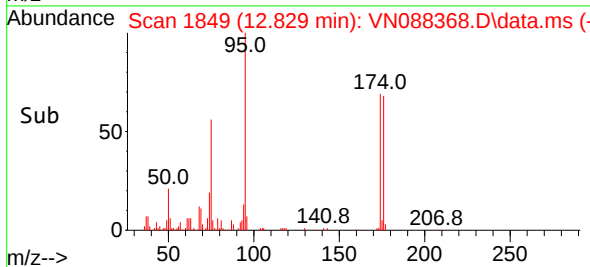
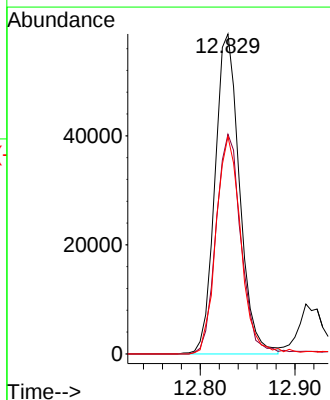
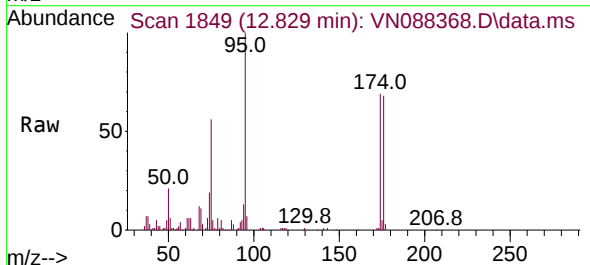
Manual Integrations  
APPROVED

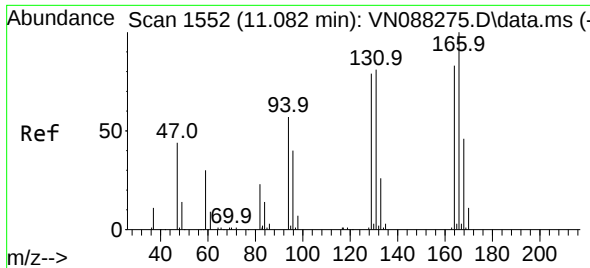
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#60  
4-Bromofluorobenzene  
Concen: 28.118 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

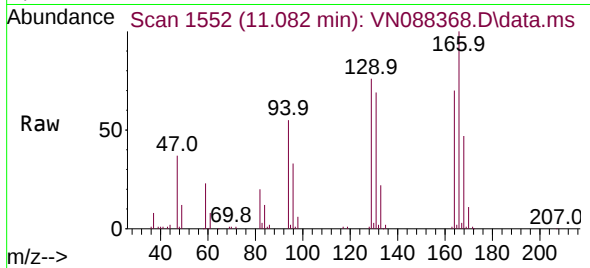
Tgt Ion: 95 Resp: 105919  
Ion Ratio Lower Upper  
95 100  
174 69.4 54.5 81.7  
176 68.3 53.8 80.6





#61  
Tetrachloroethene  
Concen: 25.477 ug/l  
RT: 11.082 min Scan# 1552  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

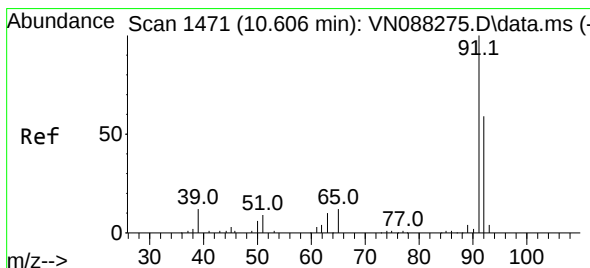
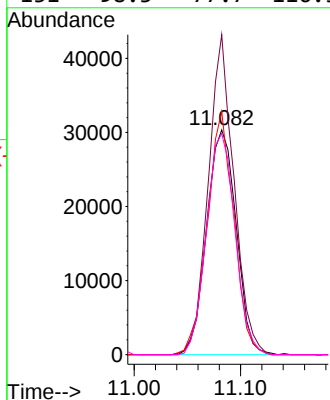
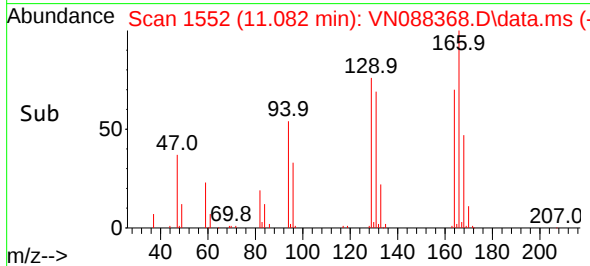
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



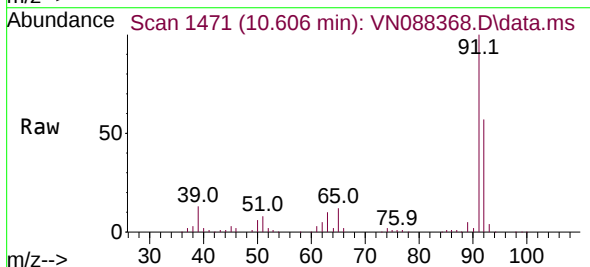
Tgt Ion:164 Resp: 58533  
Ion Ratio Lower Upper  
164 100  
166 142.4 96.3 144.5  
129 108.2 76.2 114.2  
131 98.3 77.7 116.5

Manual Integrations  
APPROVED

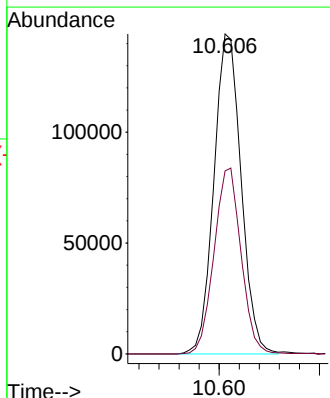
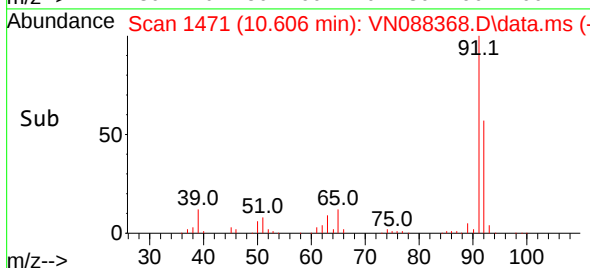
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

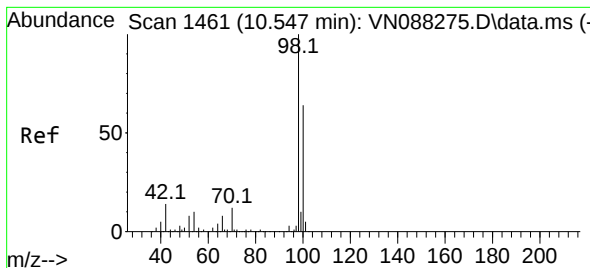


#62  
Toluene  
Concen: 21.253 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion: 91 Resp: 271787  
Ion Ratio Lower Upper  
91 100  
92 57.7 46.7 70.1





#63

Toluene-d8

Concen: 30.107 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 317633

Ion Ratio Lower Upper

98 100

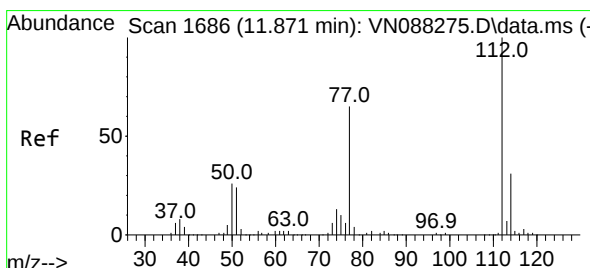
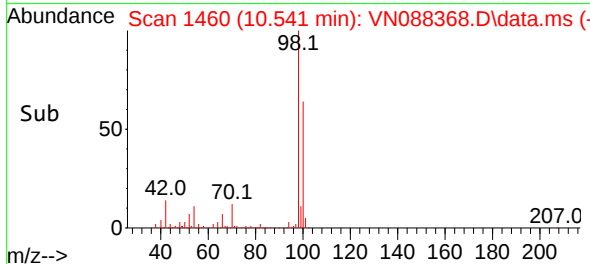
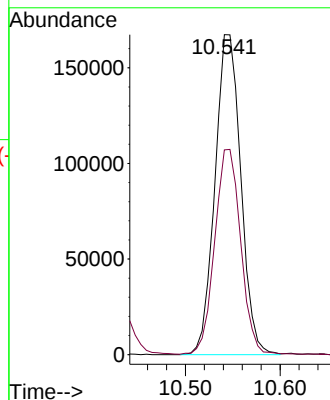
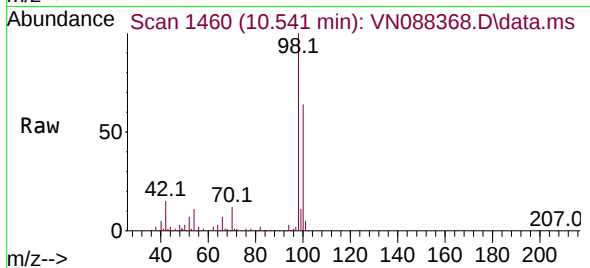
100 64.6 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#64

Chlorobenzene

Concen: 20.894 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VN088368.D

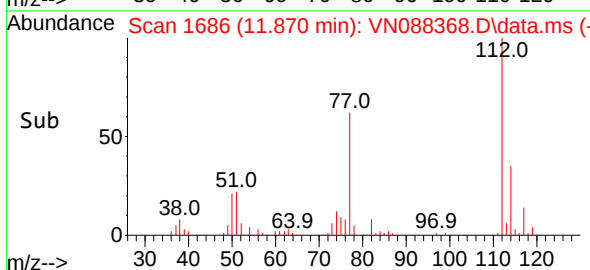
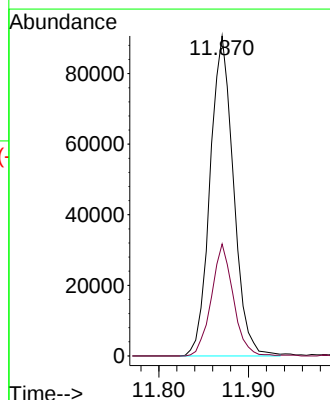
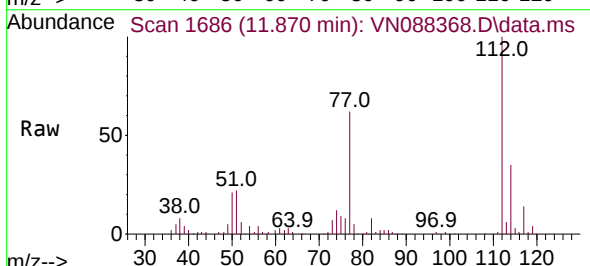
Acq: 26 Nov 2025 13:12

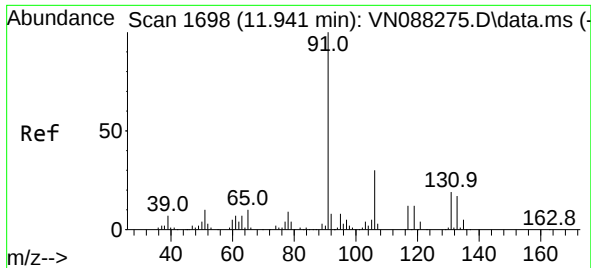
Tgt Ion:112 Resp: 165481

Ion Ratio Lower Upper

112 100

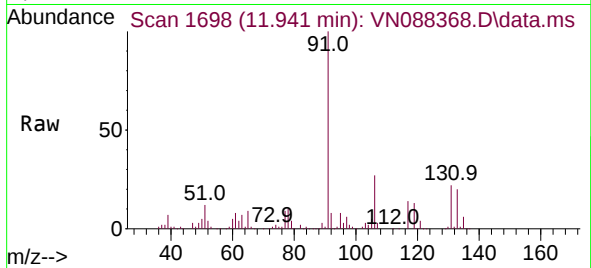
114 35.0 25.0 37.4





#65  
1,1,1,2-Tetrachloroethane  
Concen: 22.622 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

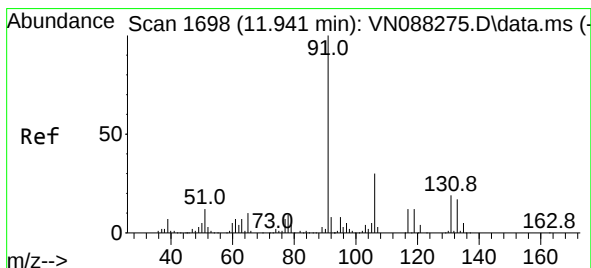
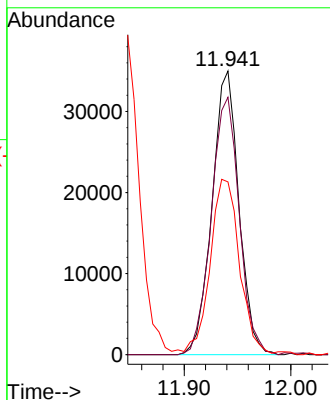
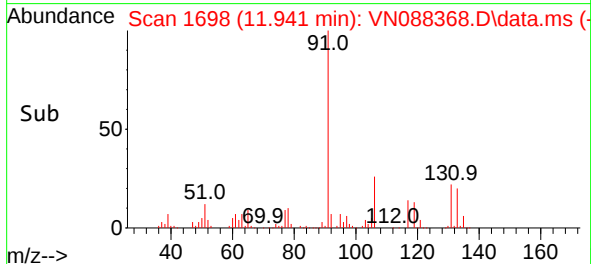
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



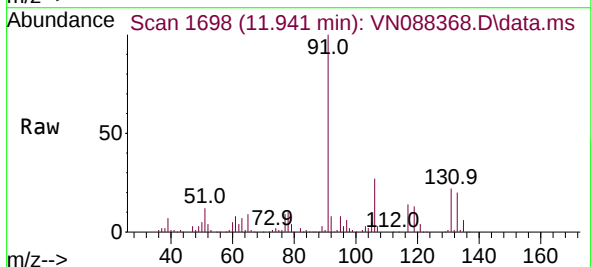
Tgt Ion:131 Resp: 61324  
Ion Ratio Lower Upper  
131 100  
133 94.6 0.0 181.4  
119 67.4 0.0 135.0

Manual Integrations  
APPROVED

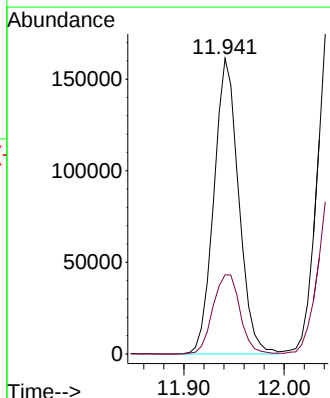
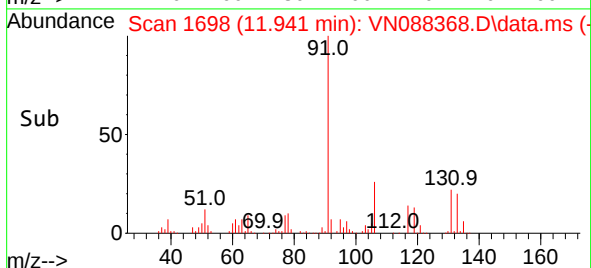
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

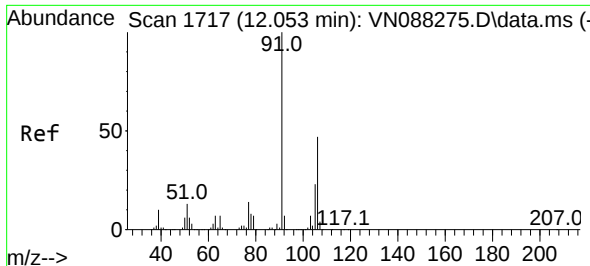


#66  
Ethyl Benzene  
Concen: 19.681 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



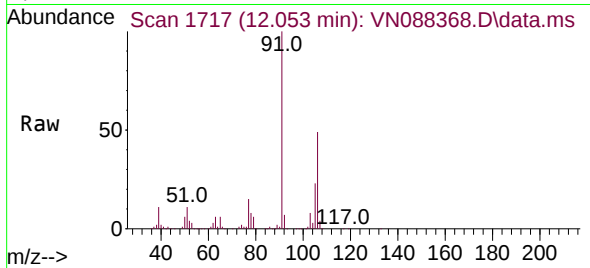
Tgt Ion: 91 Resp: 277384  
Ion Ratio Lower Upper  
91 100  
106 26.8 24.4 36.6





#67  
m/p-Xylenes  
Concen: 39.625 ug/l  
RT: 12.053 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

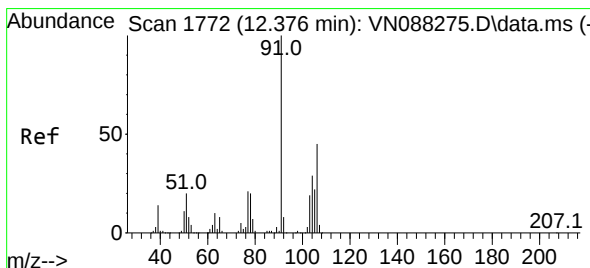
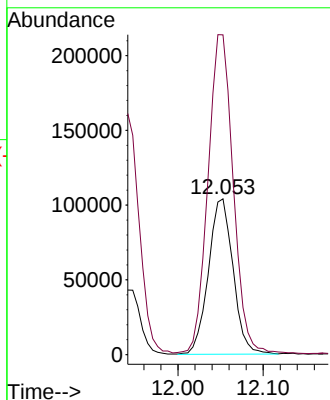
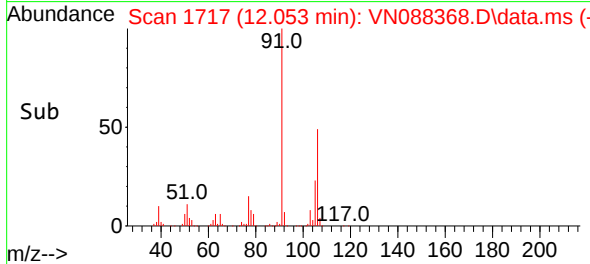
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



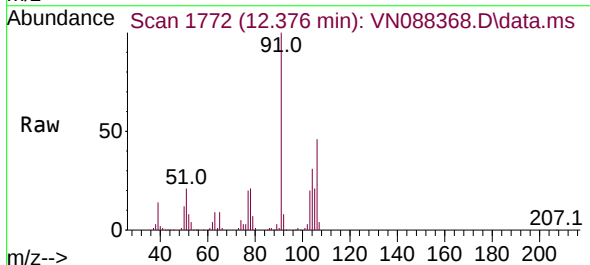
Tgt Ion:106 Resp: 208849  
Ion Ratio Lower Upper  
106 100  
91 213.0 168.3 252.5

Manual Integrations  
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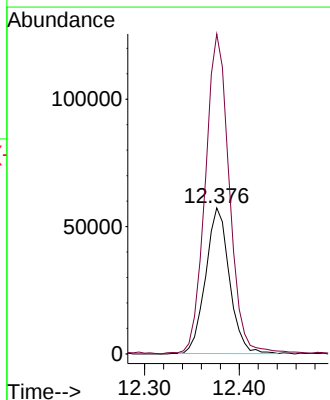
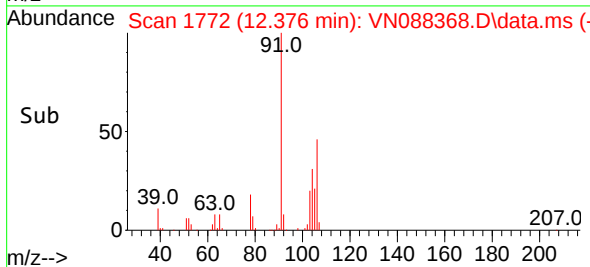
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

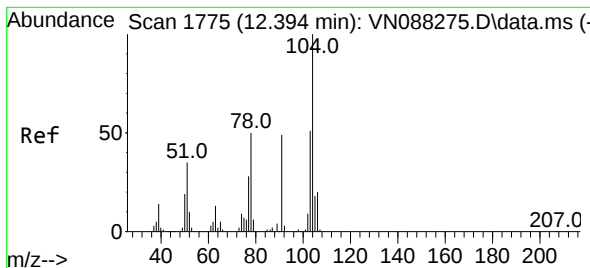


#68  
o-Xylene  
Concen: 20.080 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion:106 Resp: 99840  
Ion Ratio Lower Upper  
106 100  
91 222.3 114.0 342.0





#69

Styrene

Concen: 19.899 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:104 Resp: 168040

Ion Ratio Lower Upper

104 100

78 54.1 43.8 65.8

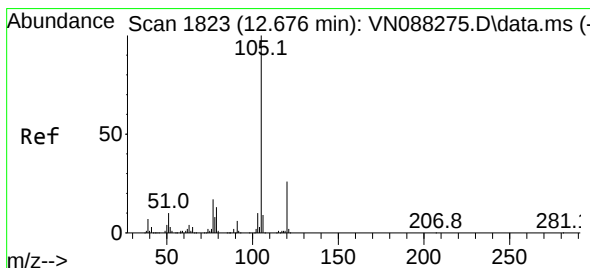
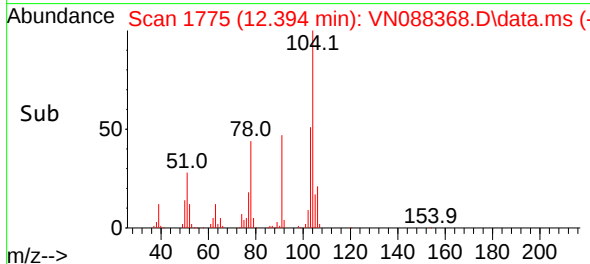
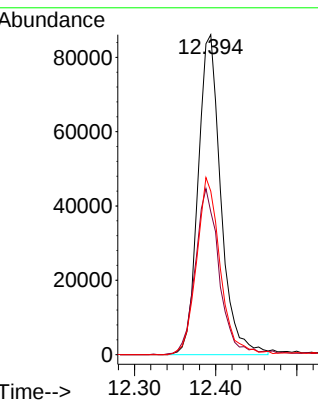
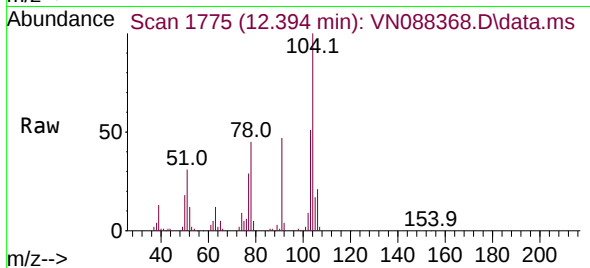
103 57.0 44.8 67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#70

Isopropylbenzene

Concen: 18.829 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. -0.000 min

Lab File: VN088368.D

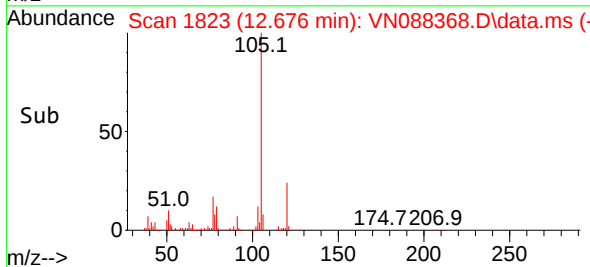
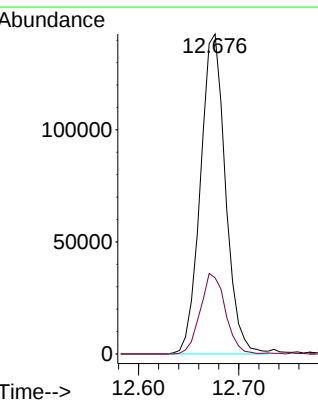
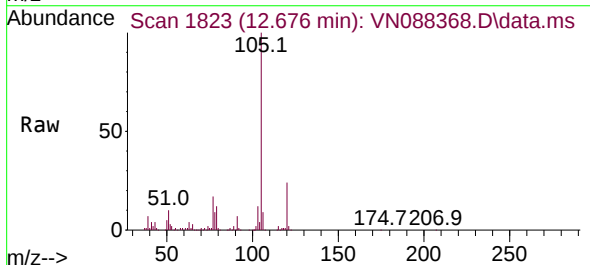
Acq: 26 Nov 2025 13:12

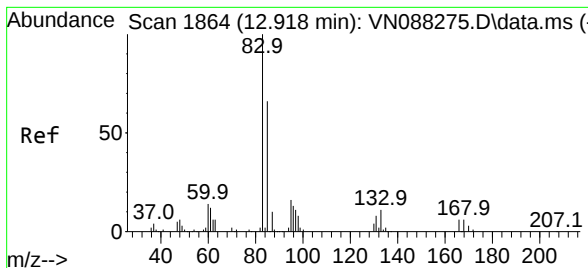
Tgt Ion:105 Resp: 248100

Ion Ratio Lower Upper

105 100

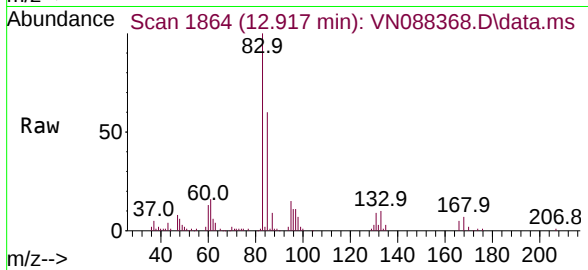
120 25.0 18.2 33.8





#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.705 ug/l  
RT: 12.917 min Scan# 1864  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

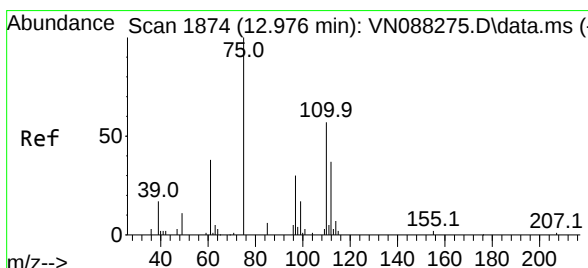
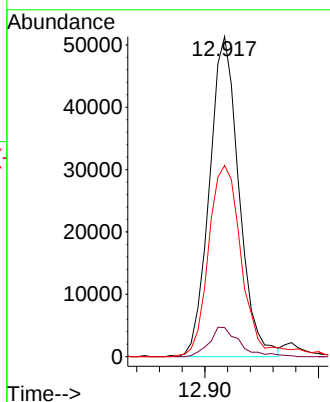
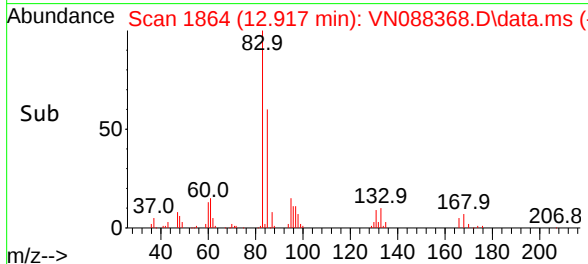
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



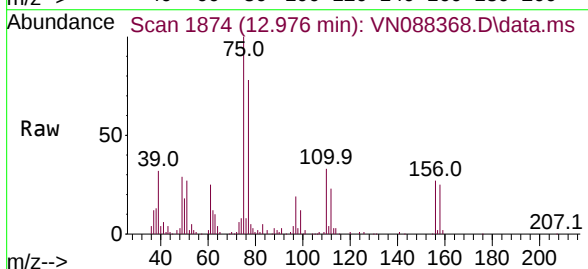
Tgt Ion: 83 Resp: 9264  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.3 12.9  
85 64.5 32.4 97.2

Manual Integrations  
APPROVED

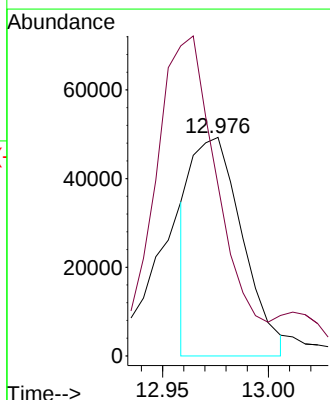
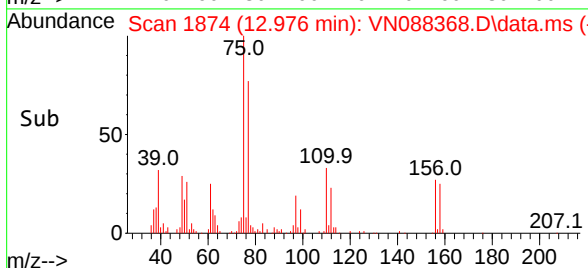
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

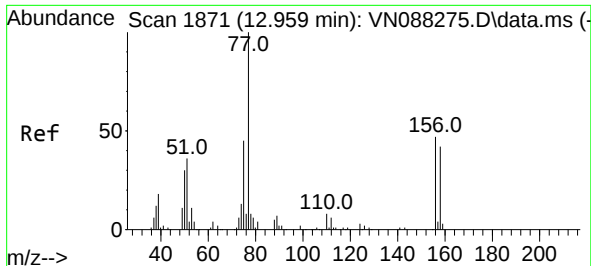


#72  
1,2,3-Trichloropropane  
Concen: 20.123 ug/l m  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



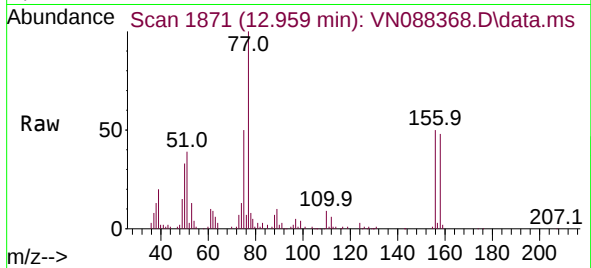
Tgt Ion: 75 Resp: 83209  
Ion Ratio Lower Upper  
75 100  
77 182.5 0.0 386.6





#73  
Bromobenzene  
Concen: 20.672 ug/l  
RT: 12.959 min Scan# 1871  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

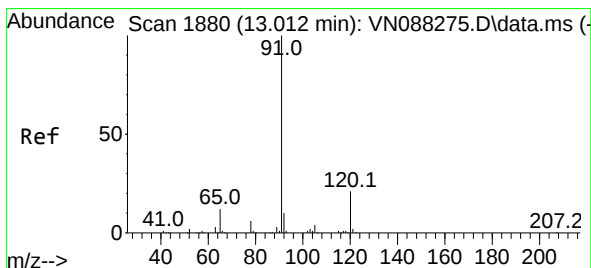
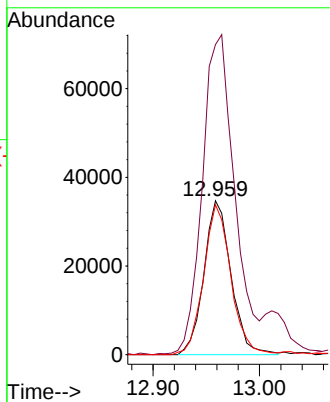
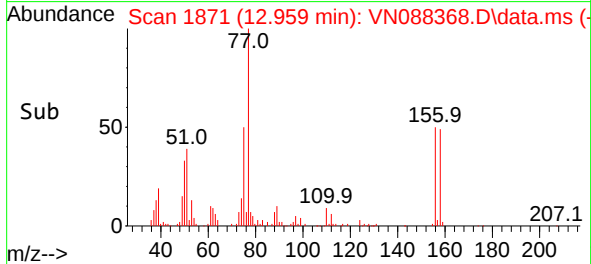
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:156 Resp: 61495  
Ion Ratio Lower Upper  
156 100  
77 246.9 0.0 493.4  
158 97.9 0.0 193.4

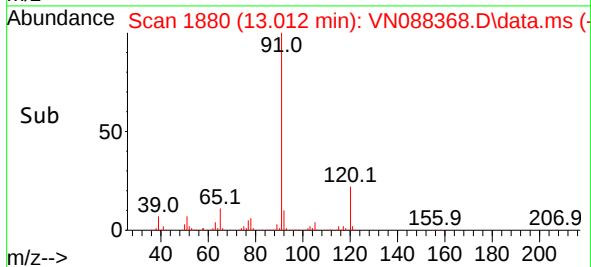
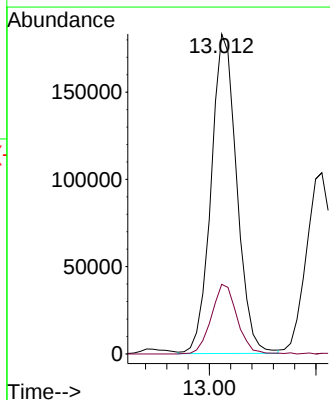
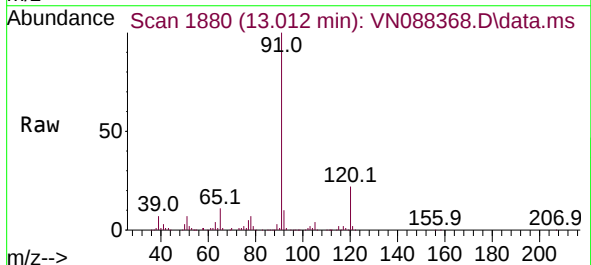
Manual Integrations  
APPROVED

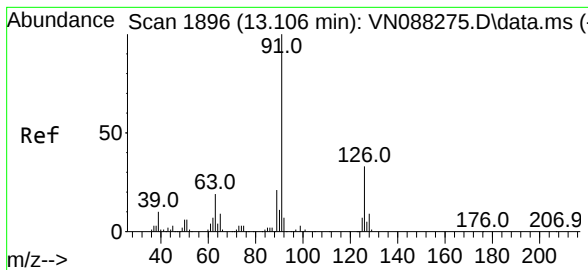
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#74  
n-propylbenzene  
Concen: 18.798 ug/l  
RT: 13.012 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion: 91 Resp: 306527  
Ion Ratio Lower Upper  
91 100  
120 21.6 0.0 43.2





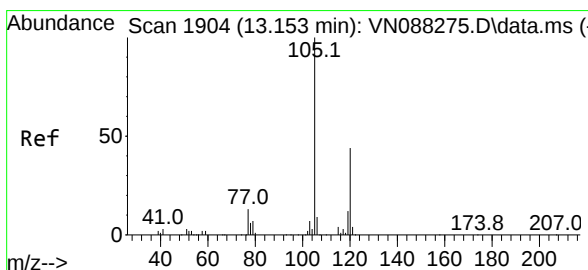
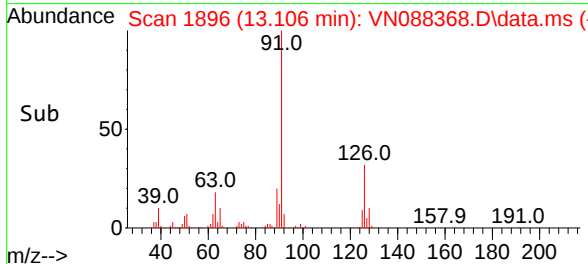
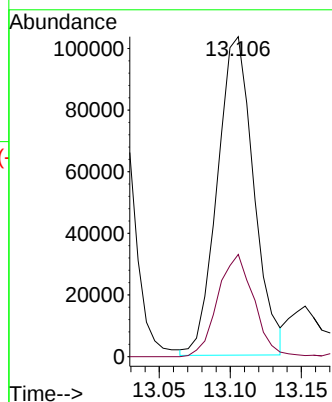
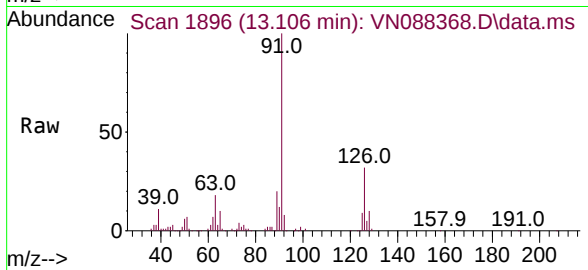
#75  
2-Chlorotoluene  
Concen: 18.664 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 185065  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 62.0

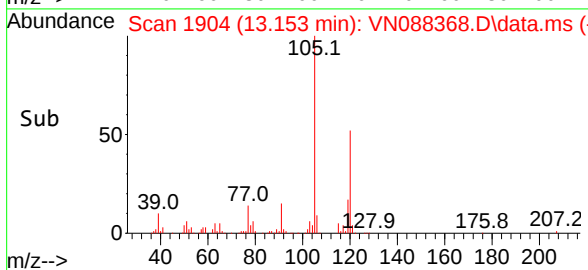
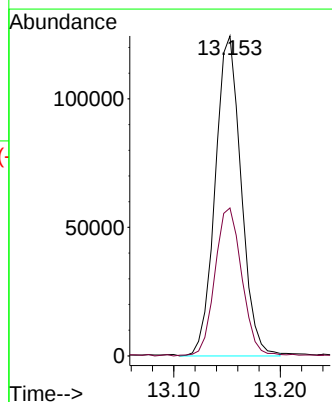
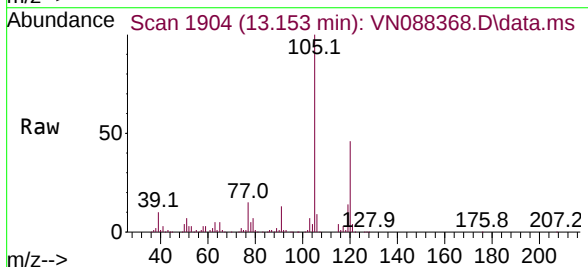
Manual Integrations  
APPROVED

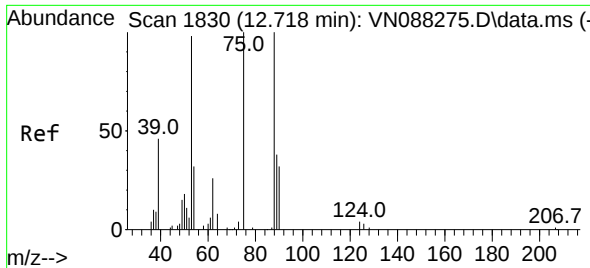
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 19.029 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

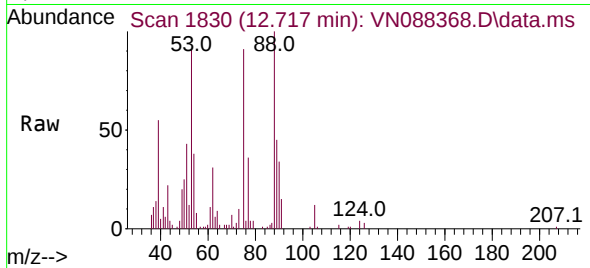
Tgt Ion:105 Resp: 210475  
Ion Ratio Lower Upper  
105 100  
120 48.0 0.0 94.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 20.892 ug/l  
RT: 12.717 min Scan# 1830  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

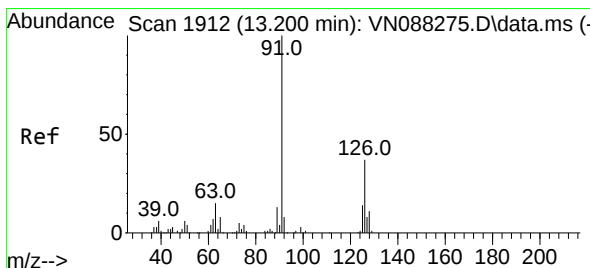
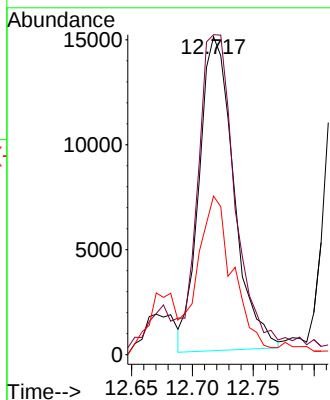
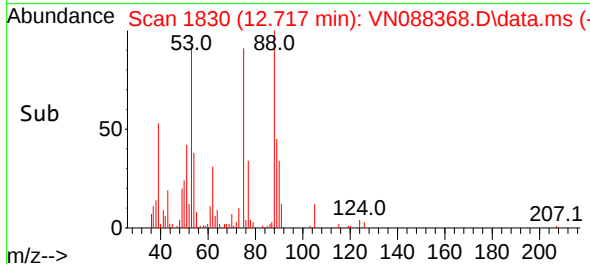
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 75 Resp: 29666  
Ion Ratio Lower Upper  
75 100  
53 100.1 50.0 150.0  
89 49.7 22.3 66.9

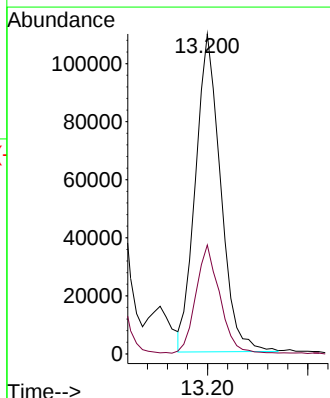
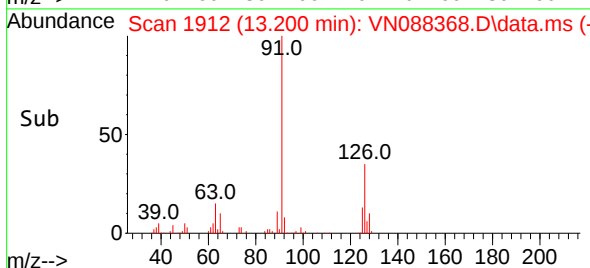
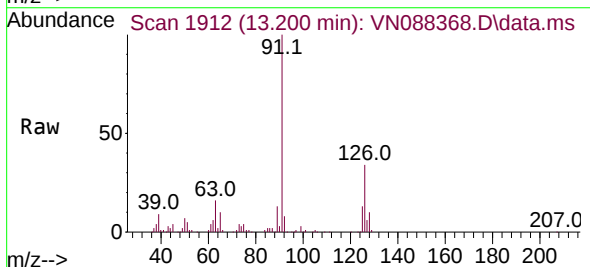
Manual Integrations  
APPROVED

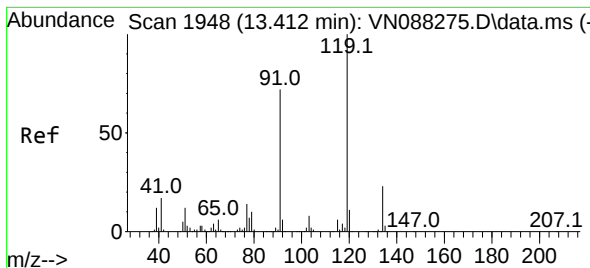
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#78  
4-Chlorotoluene  
Concen: 18.948 ug/l  
RT: 13.200 min Scan# 1912  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

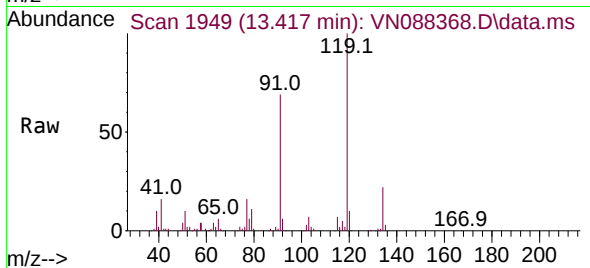
Tgt Ion: 91 Resp: 190387  
Ion Ratio Lower Upper  
91 100  
126 33.1 0.0 60.8





#79  
tert-butylbenzene  
Concen: 18.414 ug/l  
RT: 13.417 min Scan# 1949  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

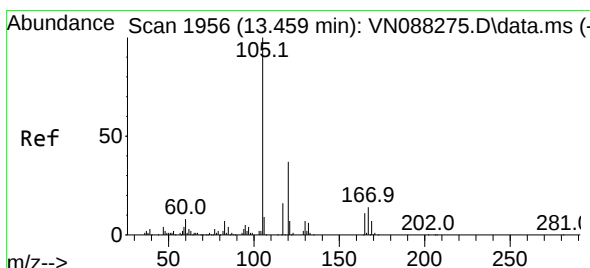
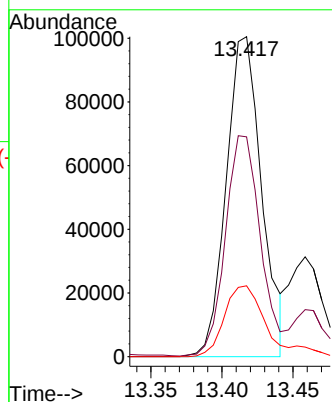
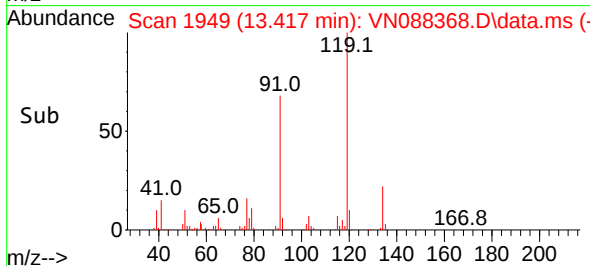
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



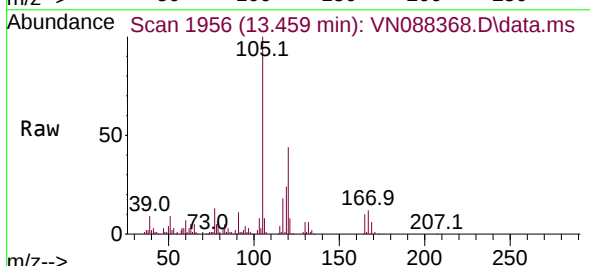
Tgt Ion:119 Resp: 174375  
Ion Ratio Lower Upper  
119 100  
91 67.9 0.0 140.8  
134 24.3 0.0 48.4

Manual Integrations  
APPROVED

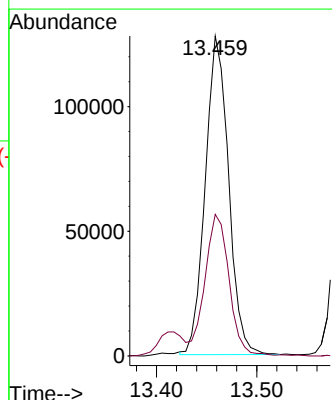
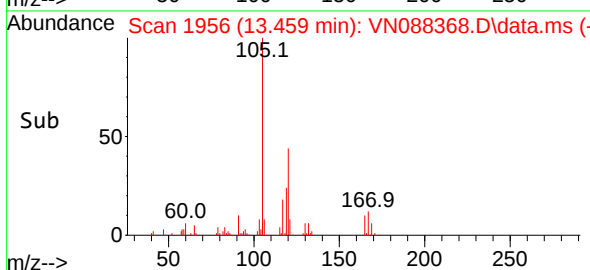
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

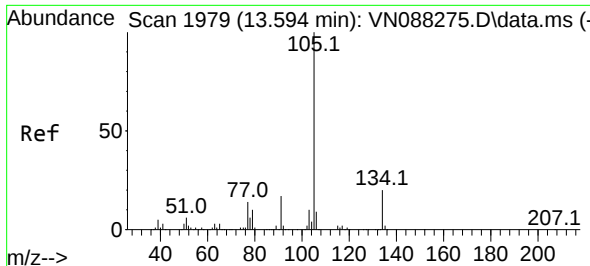


#80  
1,2,4-Trimethylbenzene  
Concen: 18.750 ug/l  
RT: 13.459 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion:105 Resp: 206222  
Ion Ratio Lower Upper  
105 100  
120 45.8 0.0 89.2





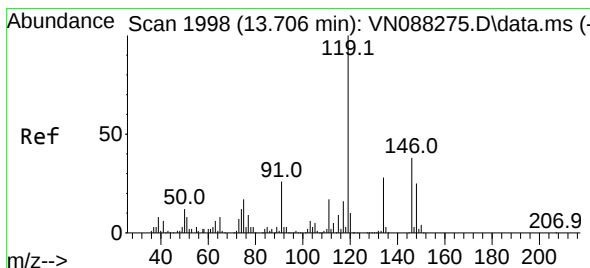
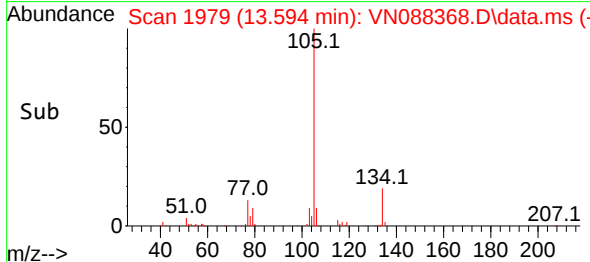
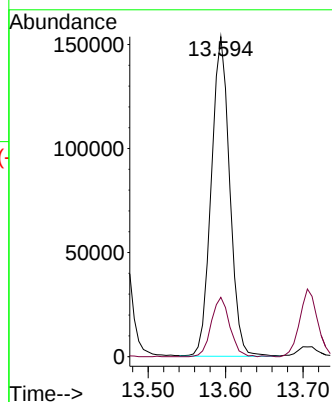
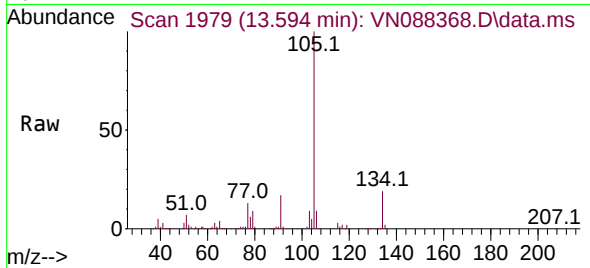
#81  
sec-Butylbenzene  
Concen: 18.372 ug/l  
RT: 13.594 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:105 Resp: 253754  
Ion Ratio Lower Upper  
105 100  
134 18.5 0.0 38.4

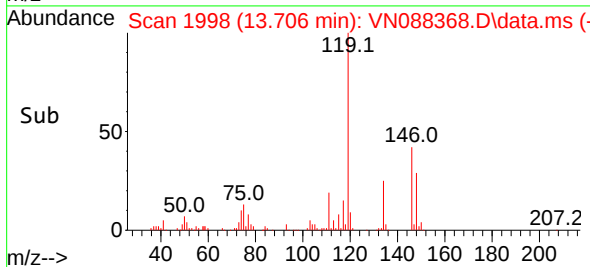
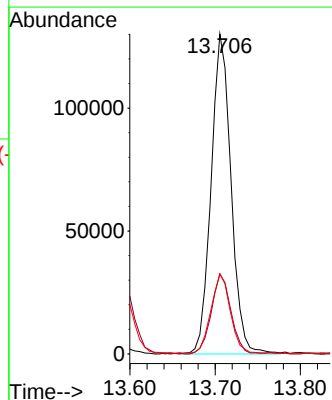
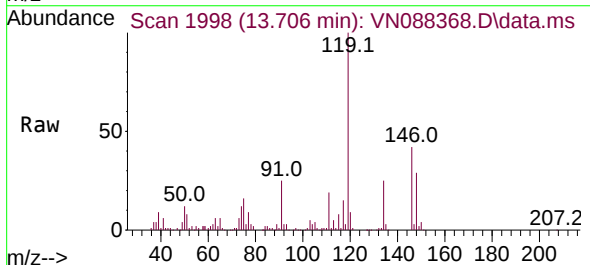
Manual Integrations  
APPROVED

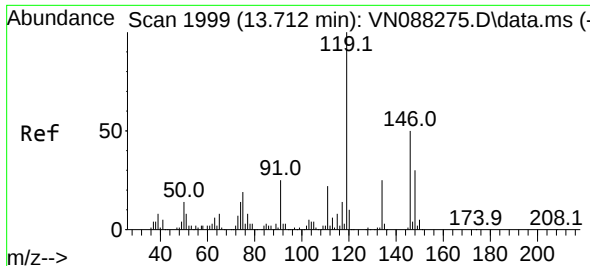
Reviewed By :John Carbone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#82  
p-Isopropyltoluene  
Concen: 18.532 ug/l  
RT: 13.706 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

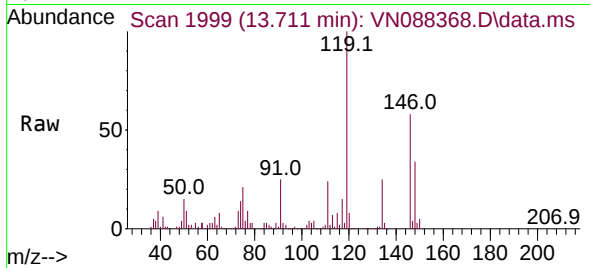
Tgt Ion:119 Resp: 211505  
Ion Ratio Lower Upper  
119 100  
134 24.5 0.0 51.2  
91 24.3 0.0 53.4





#83  
1,3-Dichlorobenzene  
Concen: 20.237 ug/l  
RT: 13.711 min Scan# 1999  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

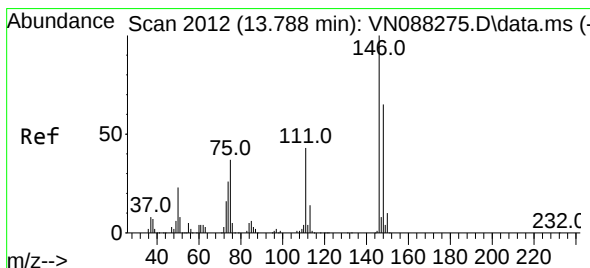
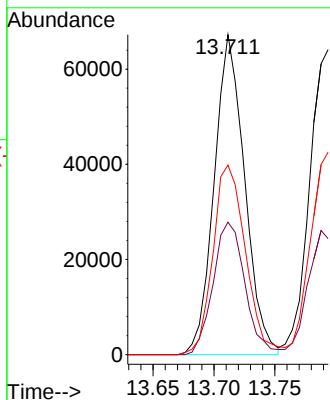
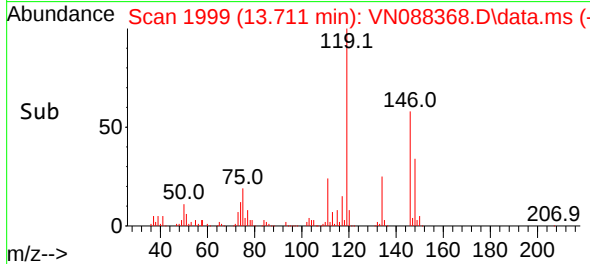
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



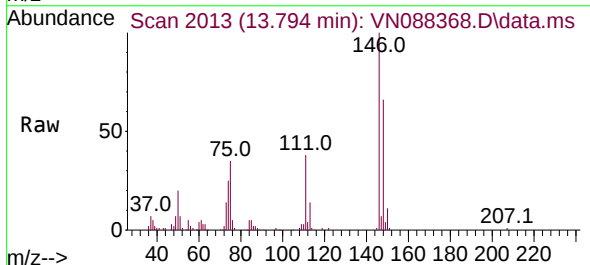
Tgt Ion:146 Resp: 116963  
Ion Ratio Lower Upper  
146 100  
111 43.3 22.1 66.5  
148 63.6 31.4 94.3

Manual Integrations  
APPROVED

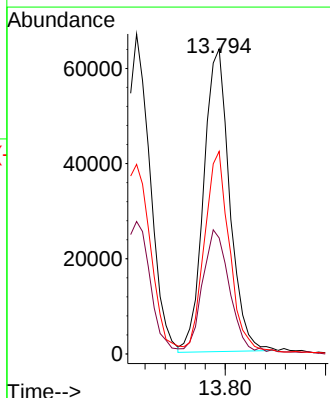
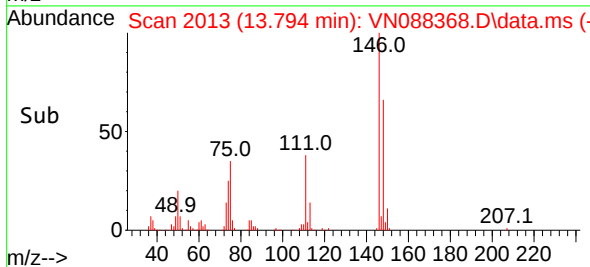
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

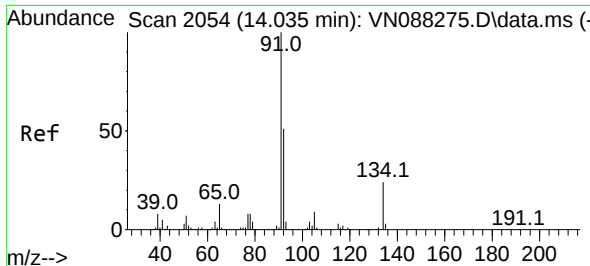


#84  
1,4-Dichlorobenzene  
Concen: 19.592 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



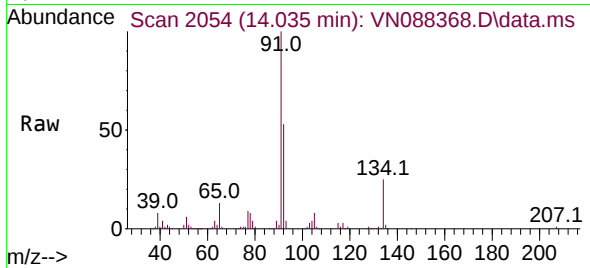
Tgt Ion:146 Resp: 114676  
Ion Ratio Lower Upper  
146 100  
111 41.2 21.8 65.3  
148 65.6 31.9 95.5





#85  
n-Butylbenzene  
Concen: 17.529 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

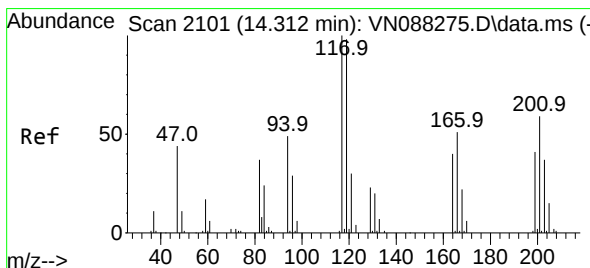
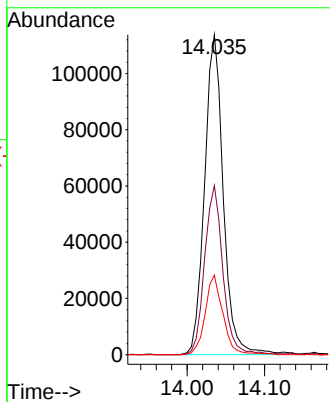
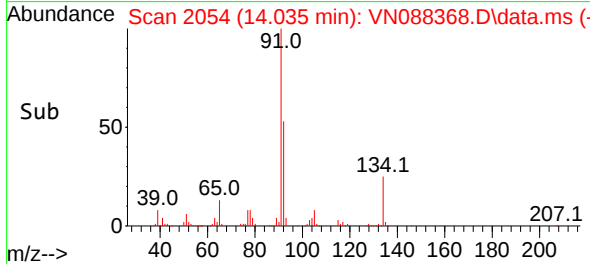
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 91 Resp: 190668  
Ion Ratio Lower Upper  
91 100  
92 51.5 0.0 102.4  
134 23.6 0.0 45.8

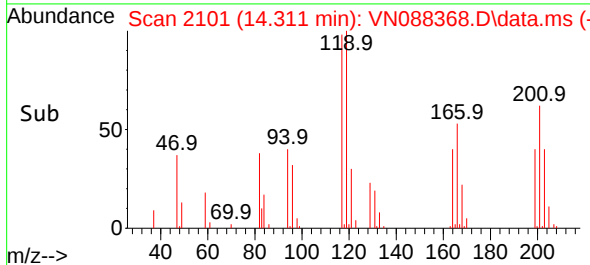
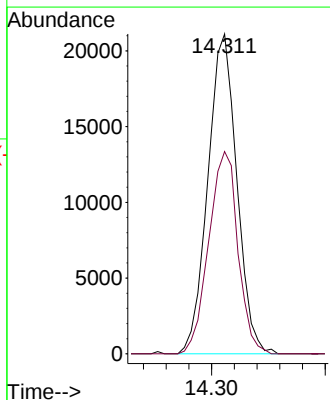
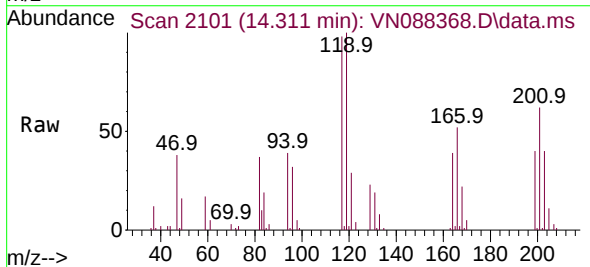
Manual Integrations  
APPROVED

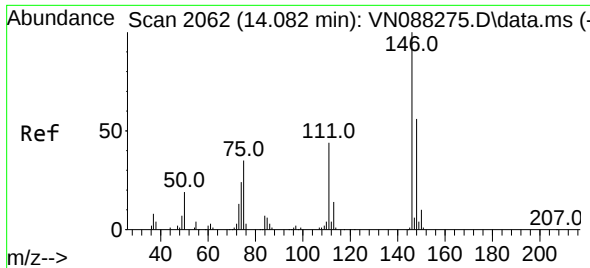
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#86  
Hexachloroethane  
Concen: 17.141 ug/l  
RT: 14.311 min Scan# 2101  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

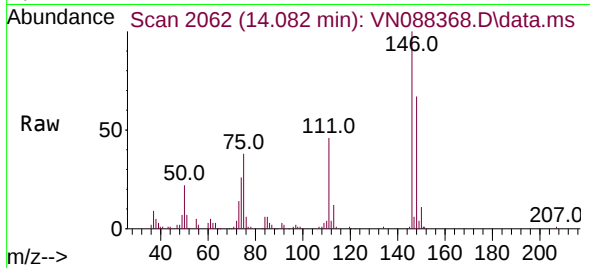
Tgt Ion:117 Resp: 37456  
Ion Ratio Lower Upper  
117 100  
201 63.5 30.6 92.0





#87  
1,2-Dichlorobenzene  
Concen: 20.259 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

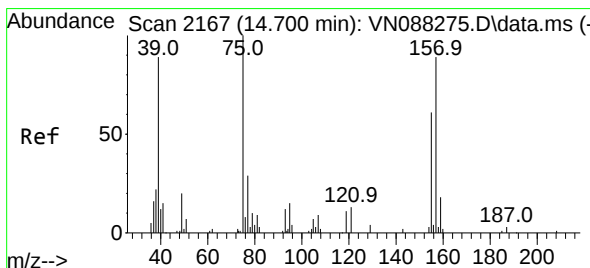
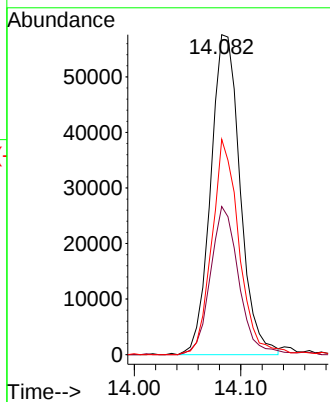
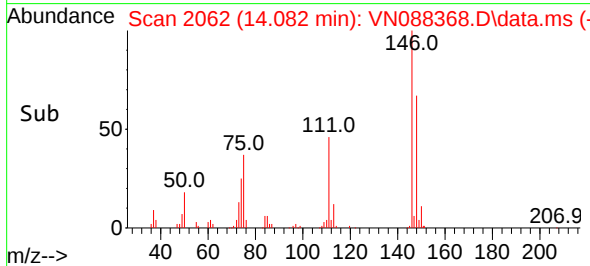
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



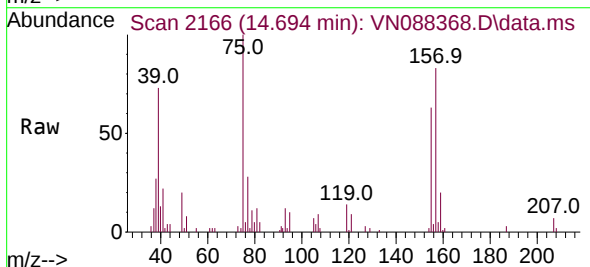
Tgt Ion:146 Resp: 110523  
Ion Ratio Lower Upper  
146 100  
111 44.5 23.0 69.0  
148 62.2 31.1 93.2

Manual Integrations  
APPROVED

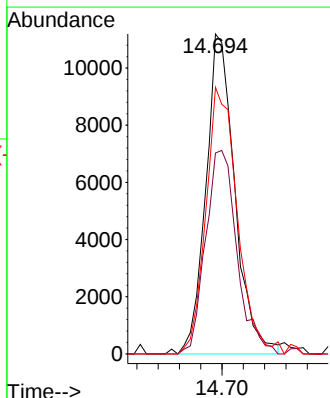
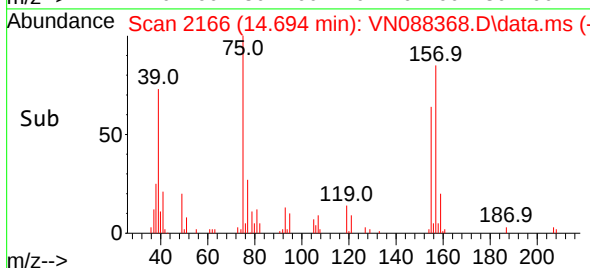
Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025

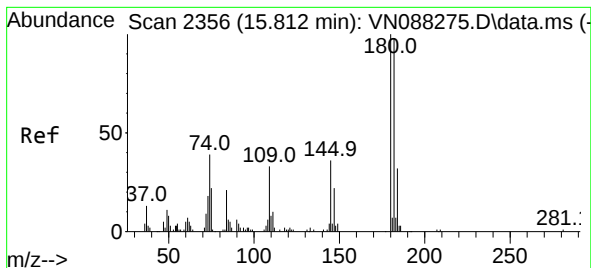


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 21.062 ug/l  
RT: 14.694 min Scan# 2166  
Delta R.T. -0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12



Tgt Ion: 75 Resp: 21130  
Ion Ratio Lower Upper  
75 100  
155 68.9 54.8 82.2  
157 89.6 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 20.742 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

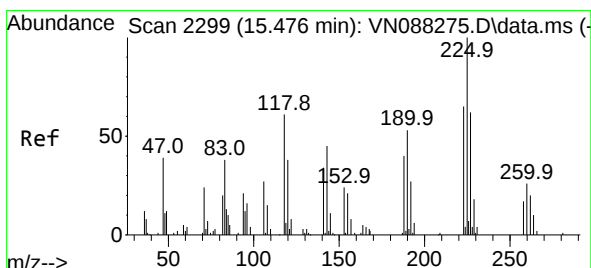
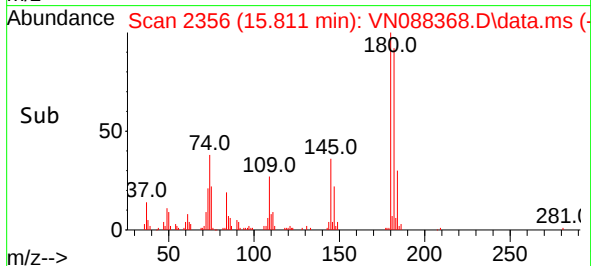
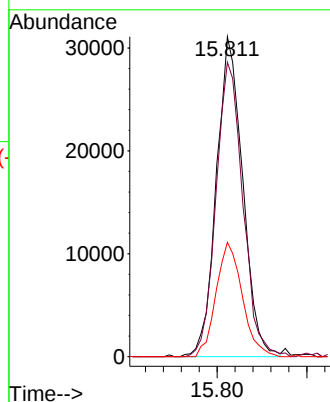
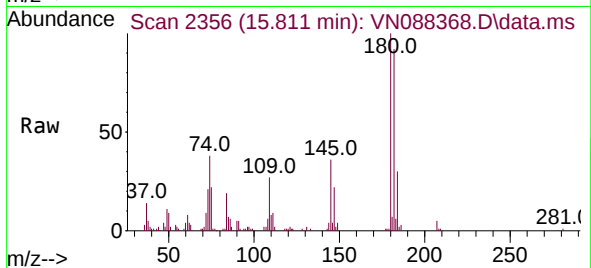
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 63500      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.5  | 77.3 115.9 |
| 145         | 35.5  | 30.2 45.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2025

Supervised By :Semsettin Yesilyurt 12/01/2025



#90

Hexachlorobutadiene

Concen: 18.181 ug/l

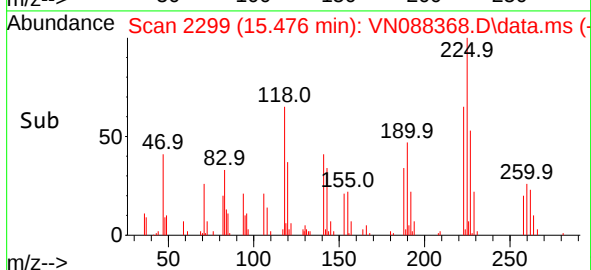
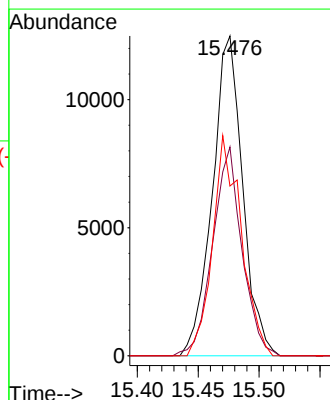
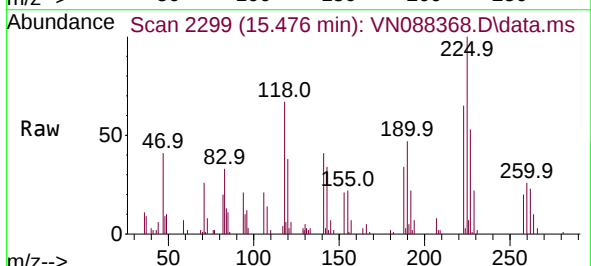
RT: 15.476 min Scan# 2299

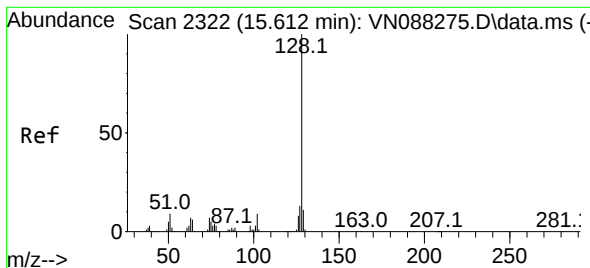
Delta R.T. -0.000 min

Lab File: VN088368.D

Acq: 26 Nov 2025 13:12

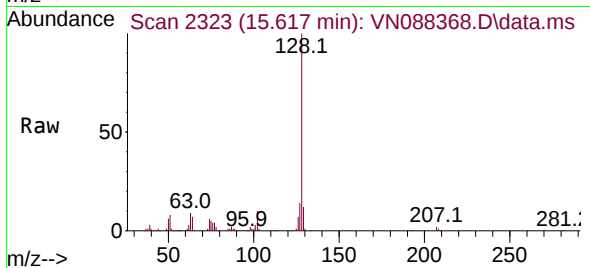
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 21615     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.2  | 0.0 132.0 |
| 227         | 65.1  | 0.0 132.6 |





#91  
Naphthalene  
Concen: 20.597 ug/l  
RT: 15.617 min Scan# 2323  
Delta R.T. 0.006 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

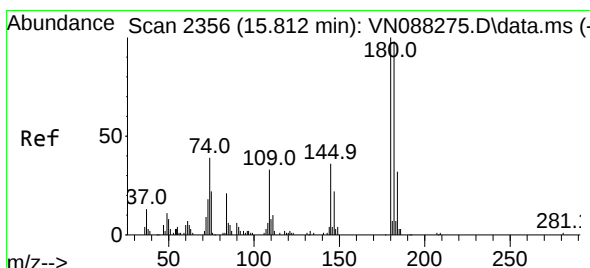
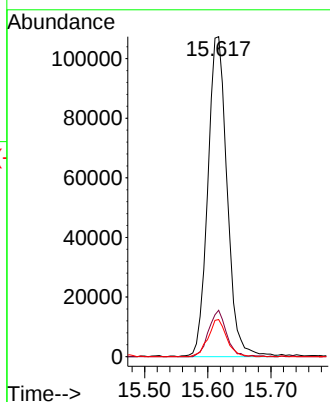
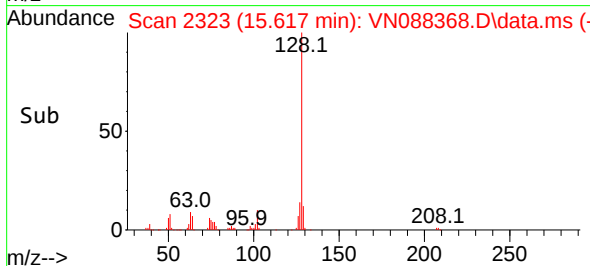
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 228149  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 16.0  
129 11.1 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/01/2025  
Supervised By :Semsettin Yesilyurt 12/01/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 20.742 ug/l  
RT: 15.811 min Scan# 2356  
Delta R.T. -0.000 min  
Lab File: VN088368.D  
Acq: 26 Nov 2025 13:12

Tgt Ion:180 Resp: 63500  
Ion Ratio Lower Upper  
180 100  
182 93.5 0.0 193.2  
145 35.5 0.0 75.6

