

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111325\  
 Data File : VN088275.D  
 Acq On : 13 Nov 2025 10:47  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Quant Time: Nov 14 00:32:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:31:19 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.794  | 128   | 56809    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083  | 114   | 316009   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.847 | 117   | 274966   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.559  | 65    | 155667   | 33.966   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 113.233% | #        |
| 60) 4-Bromofluorobenzene     | 12.829 | 95    | 135914   | 30.014   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 100.033% |          |
| 63) Toluene-d8               | 10.547 | 98    | 400066   | 32.118   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 107.067% |          |
| Target Compounds             |        |       |          |          |            |          |
|                              |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 89611    | 25.803   | ug/l       | 100      |
| 3) Chloromethane             | 2.383  | 50    | 86783    | 22.710   | ug/l       | 100      |
| 4) Vinyl Chloride            | 2.536  | 62    | 91378    | 22.923   | ug/l       | 100      |
| 5) Bromomethane              | 2.983  | 94    | 45970    | 21.544   | ug/l       | 100      |
| 6) Chloroethane              | 3.142  | 64    | 56603    | 21.775   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 3.512  | 101   | 130333   | 23.708   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.965  | 74    | 45445    | 19.304   | ug/l       | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 68173    | 23.278   | ug/l       | 100      |
| 10) 1,1-Dichloroethene       | 4.336  | 96    | 66195    | 21.644   | ug/l       | 100      |
| 11) Methyl Iodide            | 4.583  | 142   | 66051    | 22.325   | ug/l       | 100      |
| 12) Methyl Acetate           | 5.018  | 43    | 102860   | 20.884   | ug/l       | 100      |
| 13) Acrolein                 | 4.183  | 56    | 67002    | 89.110   | ug/l       | 100      |
| 14) Acrylonitrile            | 5.706  | 53    | 231708   | 98.836   | ug/l       | 100      |
| 15) Acetone                  | 4.418  | 58    | 68836    | 100.391  | ug/l       | 100      |
| 16) Carbon Disulfide         | 4.706  | 76    | 224507   | 22.989   | ug/l       | 100      |
| 17) Allyl chloride           | 5.018  | 41    | 124920   | 21.641   | ug/l       | 100      |
| 18) Methylene Chloride       | 5.259  | 84    | 79465    | 20.618   | ug/l       | 100      |
| 19) trans-1,2-Dichloroethene | 5.765  | 96    | 36274    | 10.267   | ug/l       | 95       |
| 20) Diisopropyl ether        | 6.653  | 45    | 264884   | 20.483   | ug/l       | 100      |
| 21) 1,1-Dichloroethane       | 6.553  | 63    | 151801   | 22.101   | ug/l       | 100      |
| 22) cis-1,2-Dichloroethene   | 7.471  | 96    | 85904    | 19.863   | ug/l       | 100      |
| 23) tert-Butyl Alcohol       | 5.524  | 59    | 82461    | 89.862   | ug/l       | # 100    |
| 24) Methyl tert-Butyl Ether  | 5.789  | 73    | 251301   | 19.534   | ug/l       | 100      |
| 25) Chloroform               | 7.947  | 83    | 146699   | 20.947   | ug/l       | 100      |
| 26) Cyclohexane              | 8.241  | 56    | 133859   | 23.277   | ug/l       | 100      |
| 29) 1,1-Dichloropropene      | 8.353  | 75    | 107093   | 22.717   | ug/l       | 100      |
| 30) 2-Butanone               | 7.471  | 43    | 330360   | 98.988   | ug/l       | 100      |
| 31) 2,2-Dichloropropane      | 7.471  | 77    | 131341   | 21.925   | ug/l       | 100      |
| 32) 1,1,1-Trichloroethane    | 8.147  | 97    | 131366   | 22.498   | ug/l       | 100      |
| 33) Carbon Tetrachloride     | 8.341  | 117   | 112124   | 22.765   | ug/l       | 100      |
| 34) Benzene                  | 8.588  | 78    | 314932   | 20.690   | ug/l       | 100      |
| 35) Methacrylonitrile        | 7.765  | 41    | 68465    | 19.580   | ug/l       | 100      |
| 36) 1,2-Dichloroethane       | 8.653  | 62    | 121133   | 22.449   | ug/l       | 100      |
| 37) Trichloroethene          | 9.330  | 130   | 71676    | 20.066   | ug/l       | 100      |
| 38) Methylcyclohexane        | 9.577  | 83    | 124934   | 21.749   | ug/l       | 100      |
| 39) 1,2-Dichloropropane      | 9.600  | 63    | 79702    | 20.829   | ug/l       | 100      |
| 40) Dibromomethane           | 9.688  | 93    | 58255    | 20.946   | ug/l       | 100      |
| 41) Bromodichloromethane     | 9.871  | 83    | 112790   | 20.003   | ug/l       | 100      |
| 42) Vinyl Acetate            | 6.589  | 43    | 1104913  | 96.320   | ug/l       | 100      |

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 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

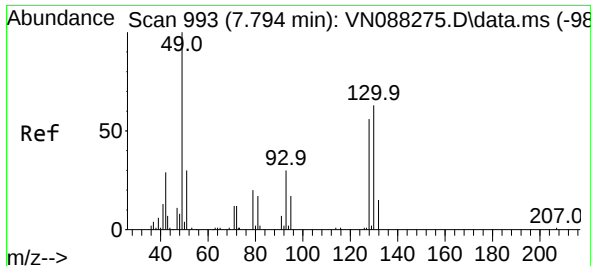
Quant Time: Nov 14 00:32:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:31:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.541  | 43   | 135974   | 20.923  | ug/l   | 100      |
| 44) Isopropyl Acetate         | 8.671  | 43   | 205400   | 19.593  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 9.682  | 88   | 26417    | 388.772 | ug/l   | 100      |
| 46) Methyl methacrylate       | 9.665  | 41   | 94347    | 19.858  | ug/l   | 100      |
| 47) n-amyl Acetate            | 12.671 | 43   | 1453     | 0.294   | ug/l # | 100      |
| 48) t-1,3-Dichloropropene     | 10.812 | 75   | 117823   | 18.989  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 128462   | 19.738  | ug/l   | 100      |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 70272    | 19.404  | ug/l   | 100      |
| 51) Ethyl methacrylate        | 10.853 | 69   | 110057   | 18.093  | ug/l   | 100      |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 128846   | 20.209  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.335 | 129  | 79410    | 18.494  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 71949    | 18.708  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 320128   | 97.447  | ug/l   | 100      |
| 56) Bromoform                 | 12.565 | 173  | 49101    | 17.127  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43   | 627464   | 101.601 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.177 | 43   | 399715   | 98.468  | ug/l   | 100      |
| 61) Tetrachloroethene         | 11.082 | 164  | 60224    | 21.314  | ug/l   | 100      |
| 62) Toluene                   | 10.606 | 91   | 325793   | 20.699  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.871 | 112  | 195311   | 19.673  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 67699    | 19.855  | ug/l   | 100      |
| 66) Ethyl Benzene             | 11.941 | 91   | 353168   | 20.628  | ug/l   | 100      |
| 67) m/p-Xylenes               | 12.053 | 106  | 265069   | 40.436  | ug/l   | 100      |
| 68) o-Xylene                  | 12.376 | 106  | 121940   | 18.975  | ug/l   | 100      |
| 69) Styrene                   | 12.394 | 104  | 204002   | 19.012  | ug/l   | 100      |
| 70) Isopropylbenzene          | 12.676 | 105  | 329705   | 20.485  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 105470   | 19.550  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 12.976 | 75   | 143173   | 28.591  | ug/l   | 55       |
| 73) Bromobenzene              | 12.959 | 156  | 73152    | 19.023  | ug/l   | 100      |
| 74) n-propylbenzene           | 13.012 | 91   | 409616   | 20.952  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 245108   | 20.611  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 274988   | 20.196  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 32812    | 16.660  | ug/l   | 100      |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 249260   | 20.636  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.412 | 119  | 233396   | 19.912  | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 270223   | 19.918  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.594 | 105  | 351400   | 21.009  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 288563   | 20.375  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 145695   | 19.906  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 143865   | 19.240  | ug/l   | 100      |
| 85) n-Butylbenzene            | 14.035 | 91   | 281860   | 21.176  | ug/l   | 100      |
| 86) Hexachloroethane          | 14.312 | 117  | 53696    | 19.135  | ug/l   | 100      |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 136306   | 19.098  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 23631    | 19.344  | ug/l   | 100      |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 73982    | 17.714  | ug/l   | 100      |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 30294    | 20.112  | ug/l   | 100      |
| 91) Naphthalene               | 15.612 | 128  | 264153   | 17.329  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 73982    | 17.714  | ug/l   | 100      |

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

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QLast Update : Fri Nov 14 00:31:19 2025  
Response via : Initial Calibration

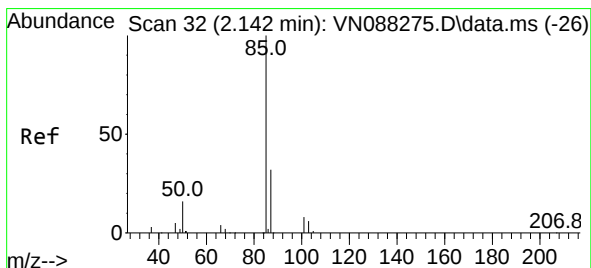
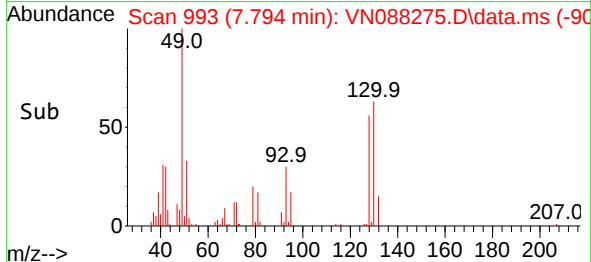
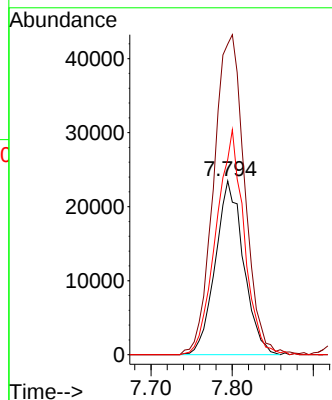
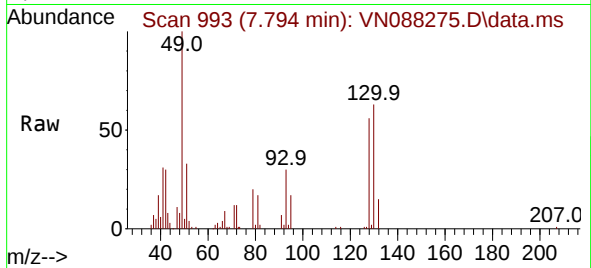




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

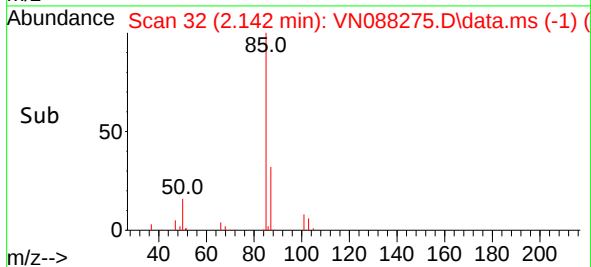
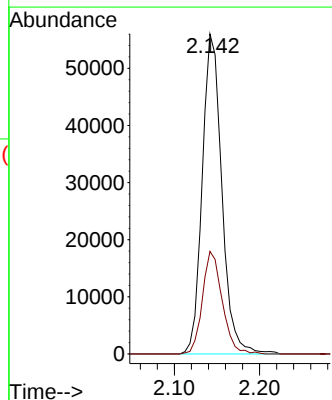
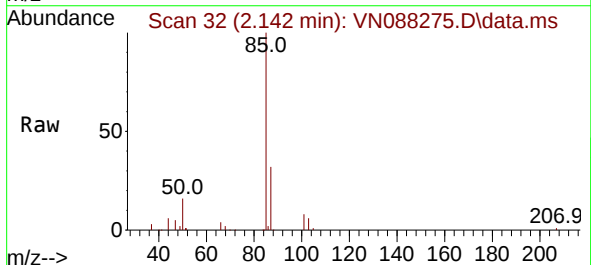
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

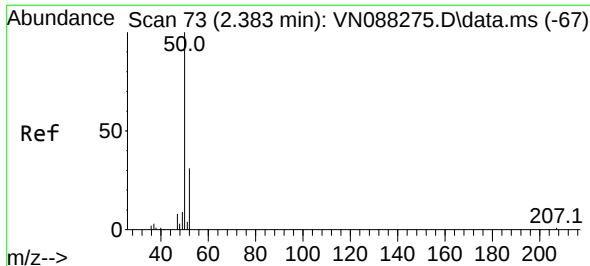
Tgt Ion:128 Resp: 56809  
Ion Ratio Lower Upper  
128 100  
49 200.5 0.0 501.2  
130 128.1 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 25.803 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 85 Resp: 89611  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.0 48.0

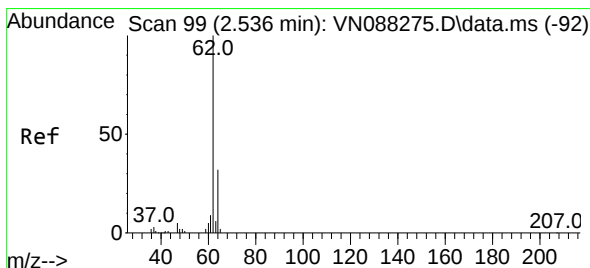
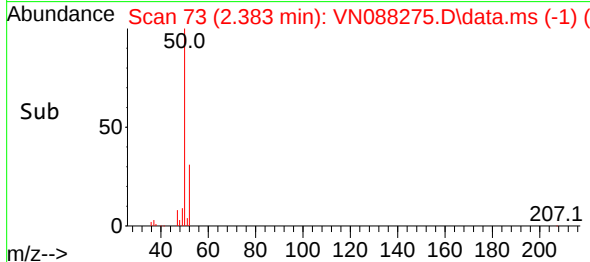
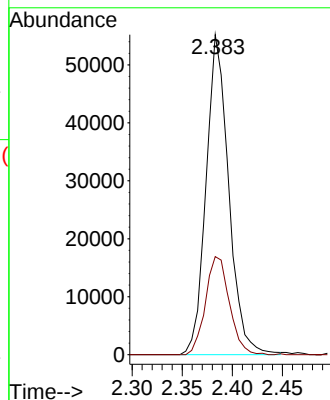
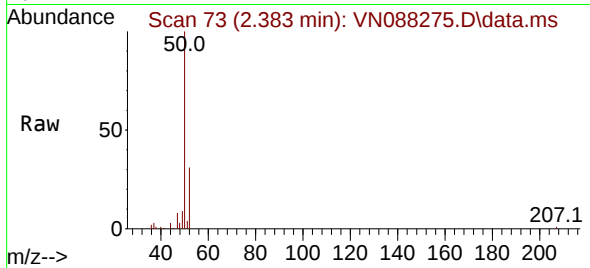




#3  
Chloromethane  
Concen: 22.710 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

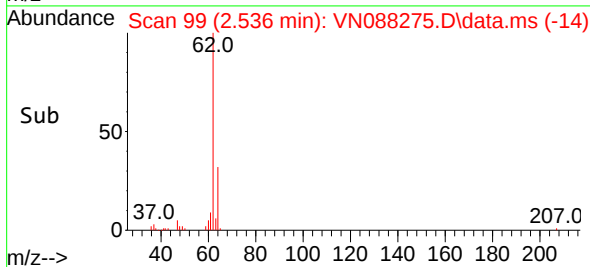
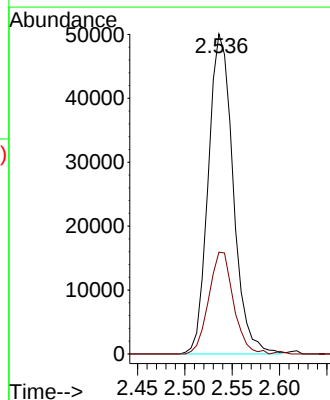
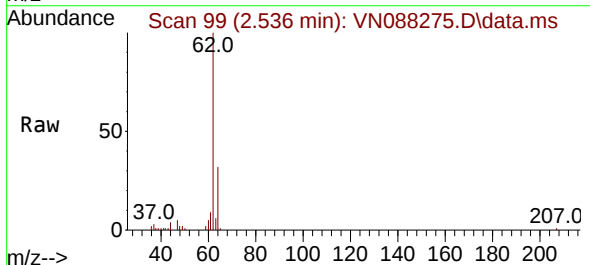
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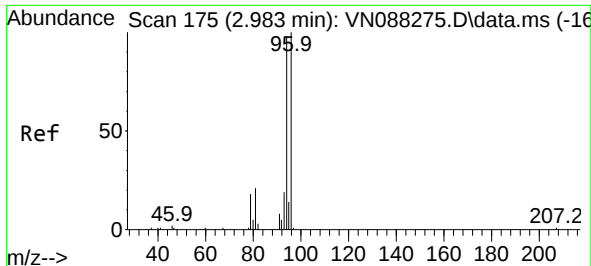
Tgt Ion: 50 Resp: 86783  
Ion Ratio Lower Upper  
50 100  
52 30.7 24.6 36.8



#4  
Vinyl Chloride  
Concen: 22.923 ug/l  
RT: 2.536 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 62 Resp: 91378  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.4 38.2

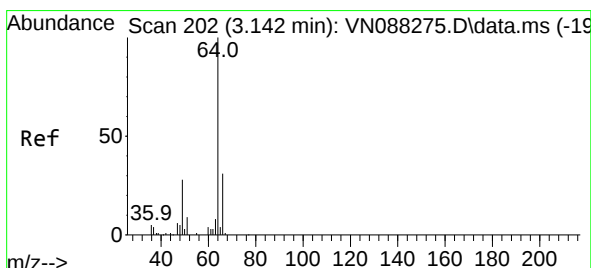
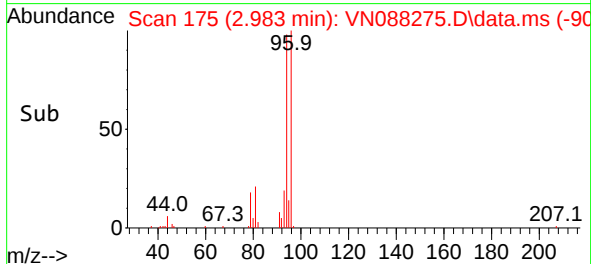
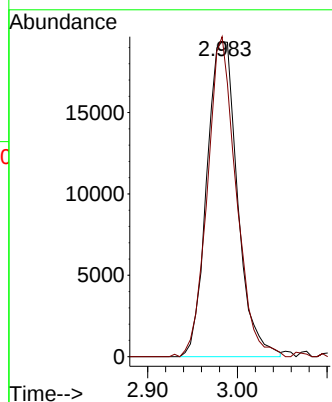
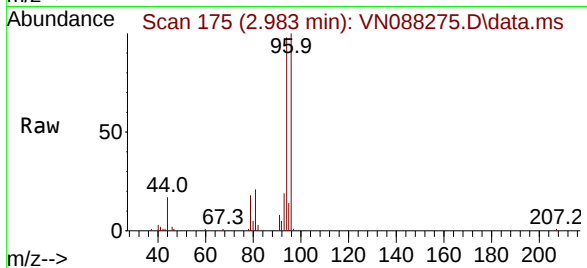




#5  
Bromomethane  
Concen: 21.544 ug/l  
RT: 2.983 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

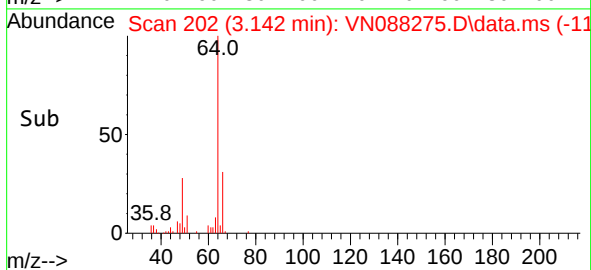
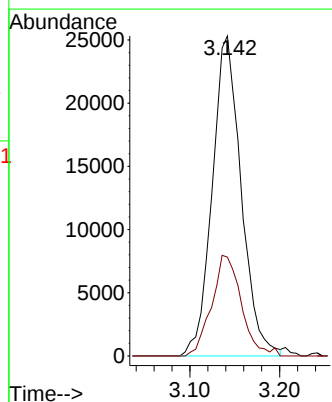
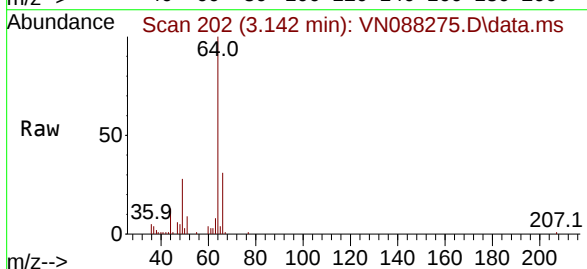
Instrument :  
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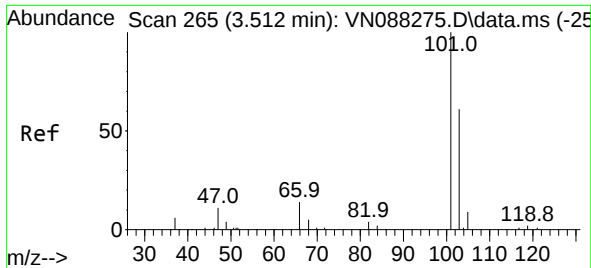
Tgt Ion: 94 Resp: 45970  
Ion Ratio Lower Upper  
94 100  
96 101.6 81.3 121.9



#6  
Chloroethane  
Concen: 21.775 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 64 Resp: 56603  
Ion Ratio Lower Upper  
64 100  
66 30.9 24.7 37.1

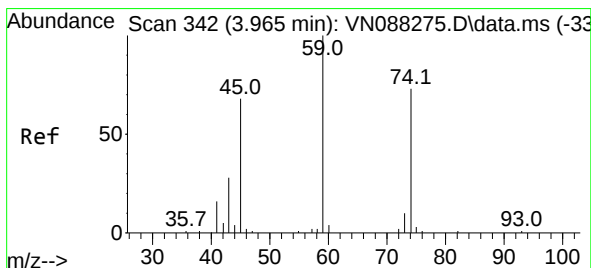
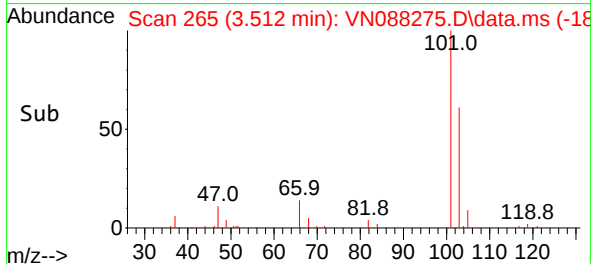
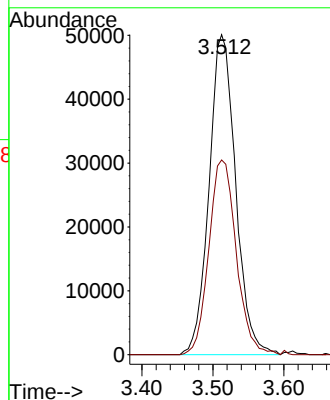
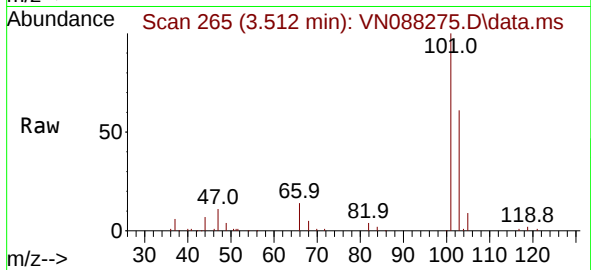




#7  
 Trichlorofluoromethane  
 Concen: 23.708 ug/l  
 RT: 3.512 min Scan# 265  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

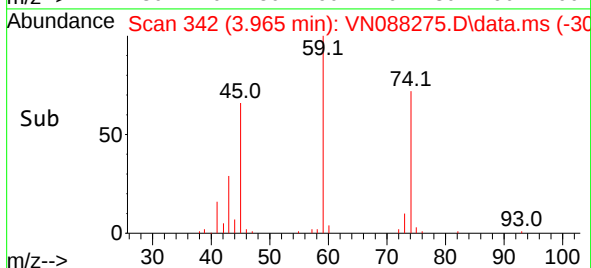
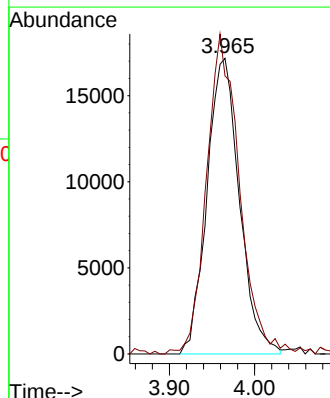
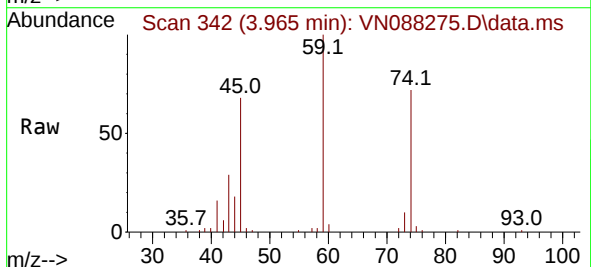
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

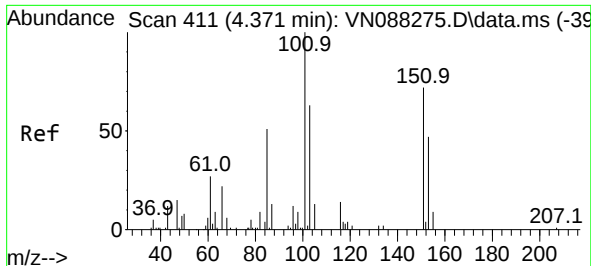
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 Ion Ratio Lower Upper  
 101 100  
 103 60.8 48.6 73.0



#8  
 Diethyl Ether  
 Concen: 19.304 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 74 Resp: 45445  
 Ion Ratio Lower Upper  
 74 100  
 45 104.3 20.9 187.7

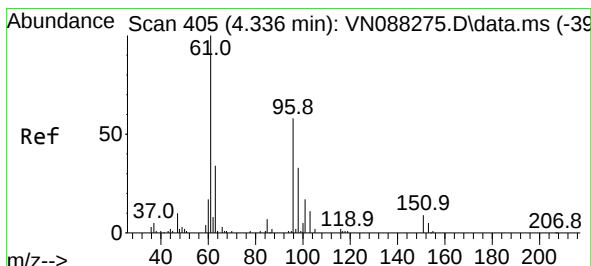
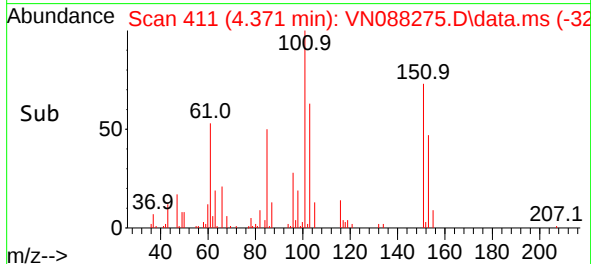
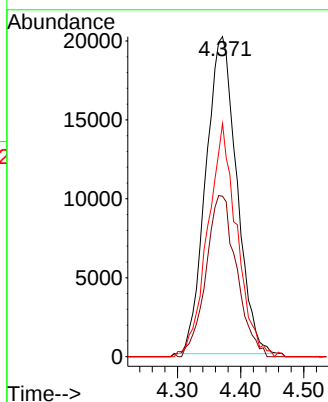
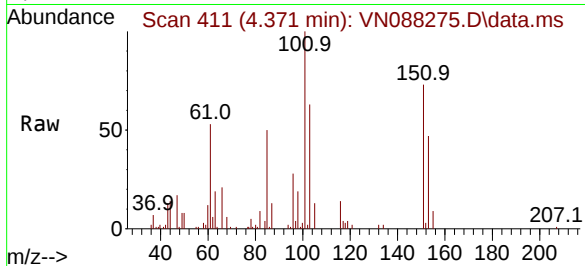




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 23.278 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

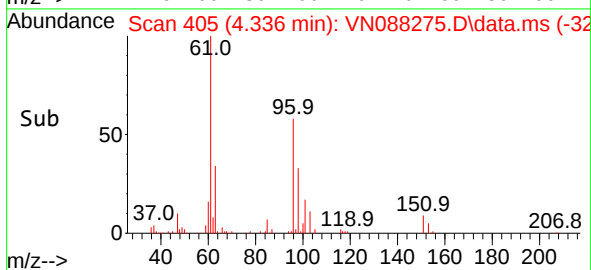
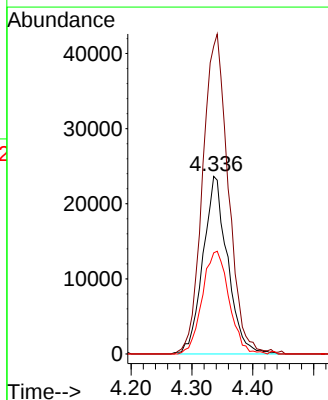
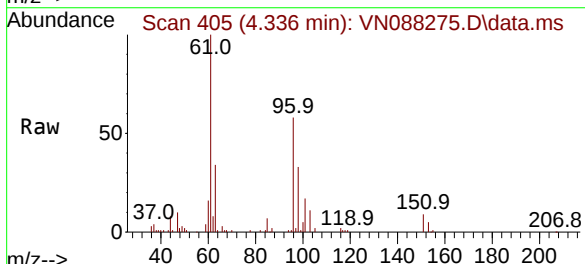
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

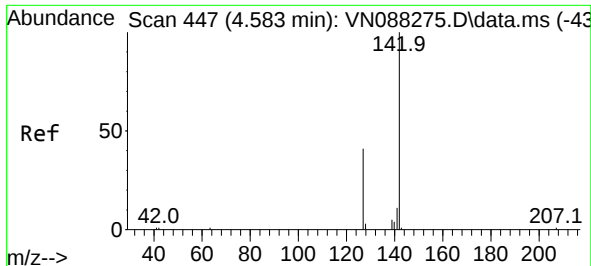
Tgt Ion:101 Resp: 68173  
 Ion Ratio Lower Upper  
 101 100  
 85 50.4 0.0 100.8  
 151 69.2 0.0 138.4



#10  
 1,1-Dichloroethene  
 Concen: 21.644 ug/l  
 RT: 4.336 min Scan# 405  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 96 Resp: 66195  
 Ion Ratio Lower Upper  
 96 100  
 61 172.3 137.8 206.8  
 98 57.0 45.6 68.4

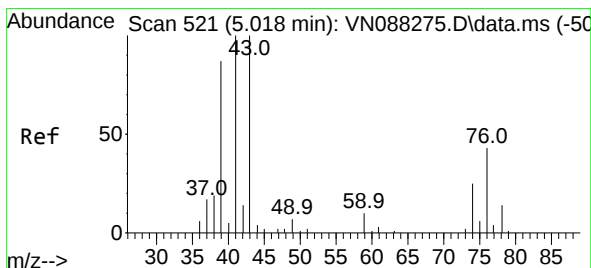
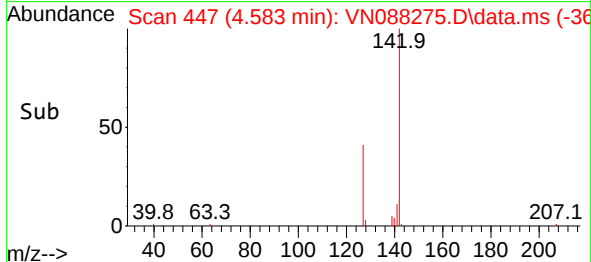
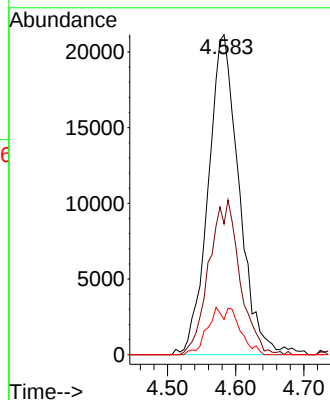
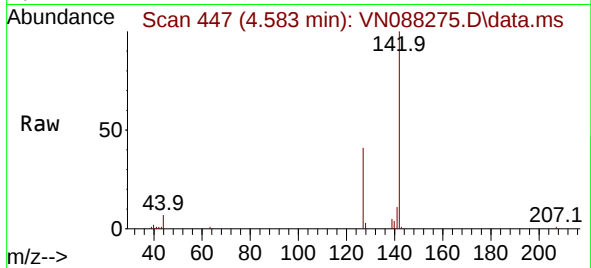




#11  
Methyl Iodide  
Concen: 22.325 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

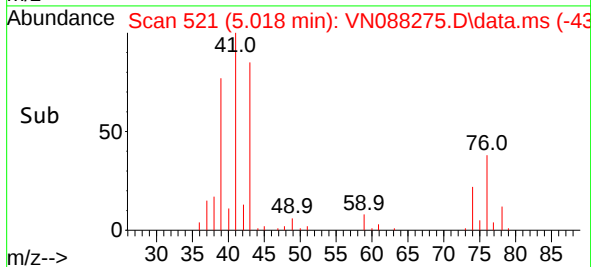
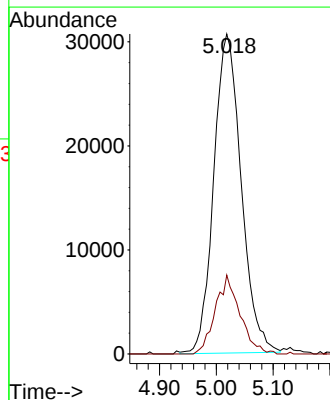
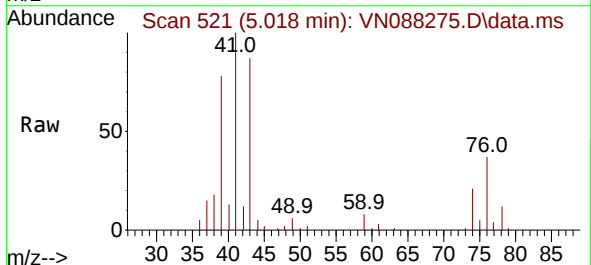
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

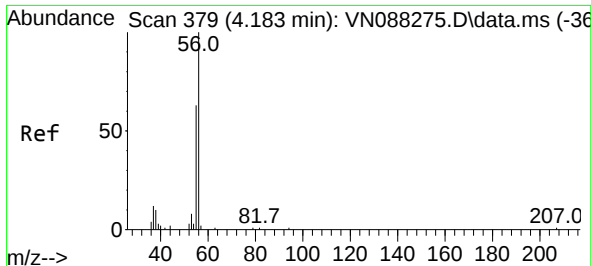
Tgt Ion:142 Resp: 66051  
Ion Ratio Lower Upper  
142 100  
127 40.8 20.4 61.2  
141 11.2 5.6 16.8



#12  
Methyl Acetate  
Concen: 20.884 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 43 Resp: 102860  
Ion Ratio Lower Upper  
43 100  
74 24.8 19.8 29.8





#13

Acrolein

Concen: 89.110 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

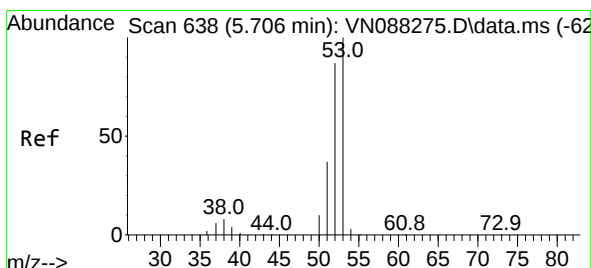
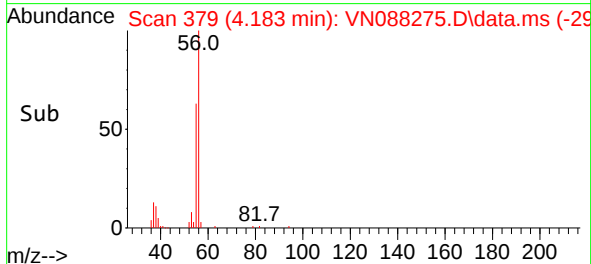
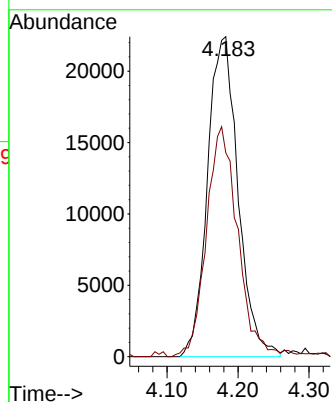
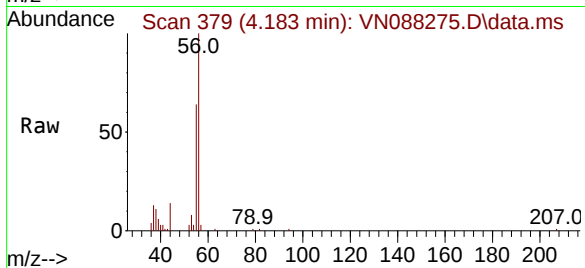
VSTDICCC020

Tgt Ion: 56 Resp: 67002

Ion Ratio Lower Upper

56 100

55 72.4 57.9 86.9



#14

Acrylonitrile

Concen: 98.836 ug/l

RT: 5.706 min Scan# 638

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

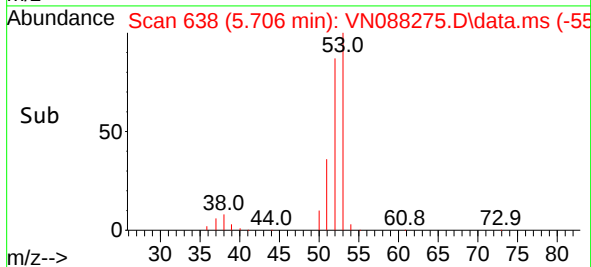
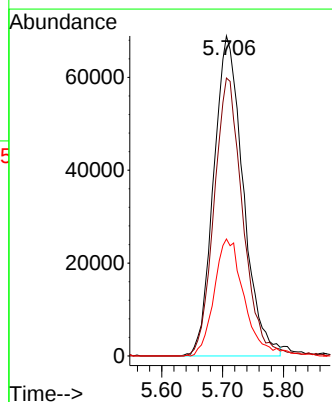
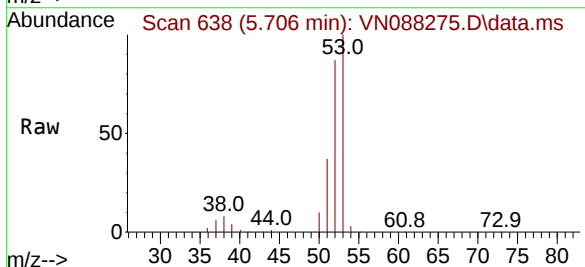
Tgt Ion: 53 Resp: 231708

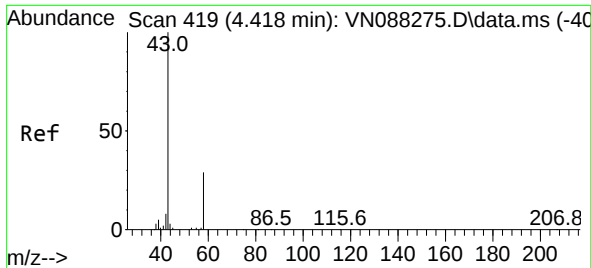
Ion Ratio Lower Upper

53 100

52 84.6 42.3 126.9

51 36.8 18.4 55.2

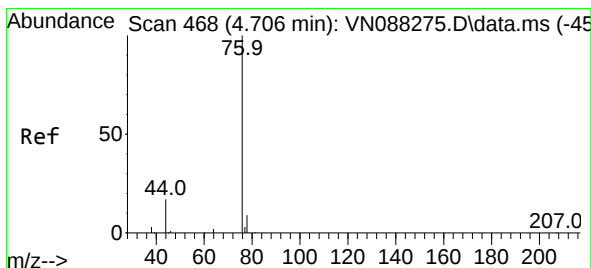
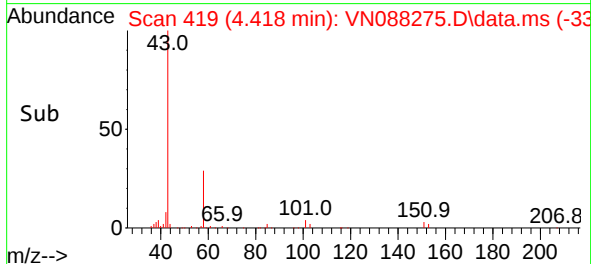
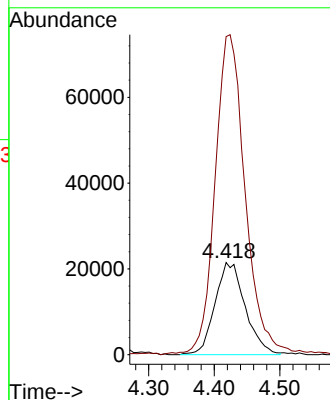
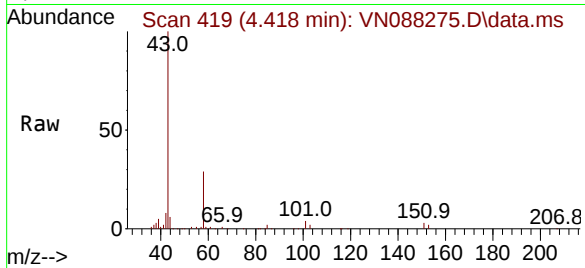




#15  
Acetone  
Concen: 100.391 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

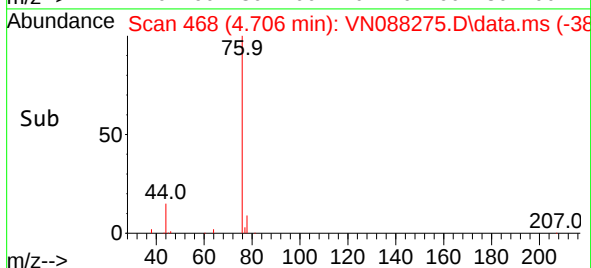
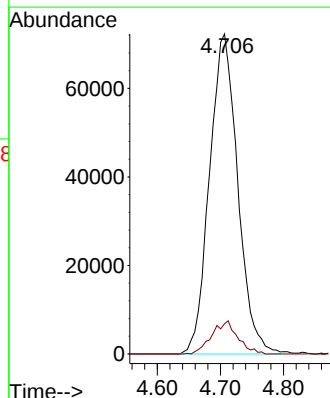
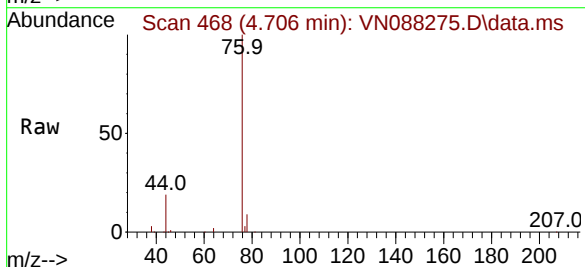
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

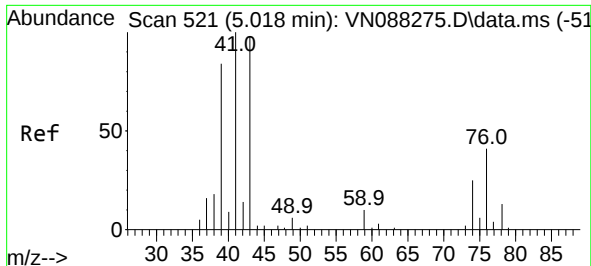
Tgt Ion: 58 Resp: 68836  
Ion Ratio Lower Upper  
58 100  
43 342.4 273.9 410.9



#16  
Carbon Disulfide  
Concen: 22.989 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 76 Resp: 224507  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.5 11.3

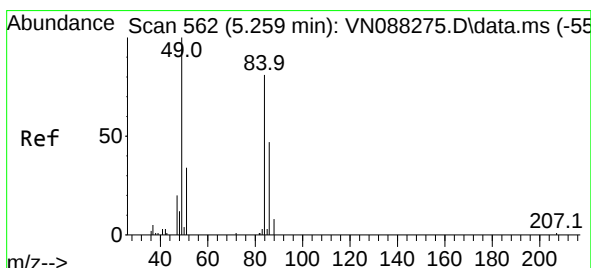
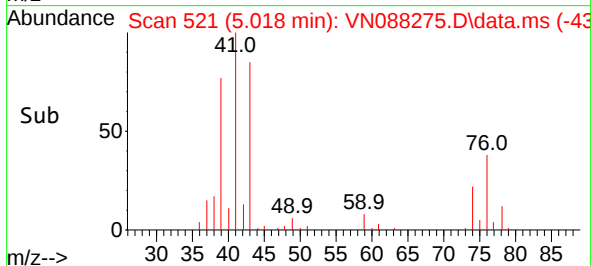
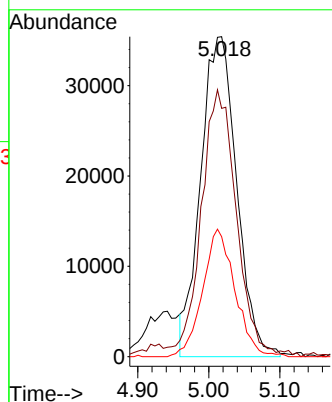
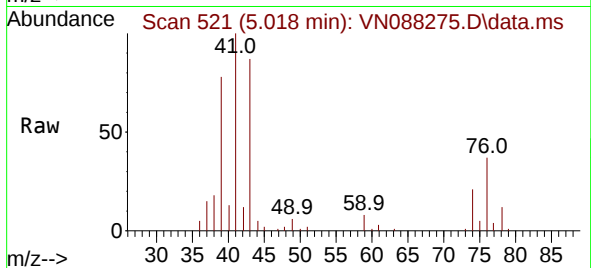




#17  
 Allyl chloride  
 Concen: 21.641 ug/l  
 RT: 5.018 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

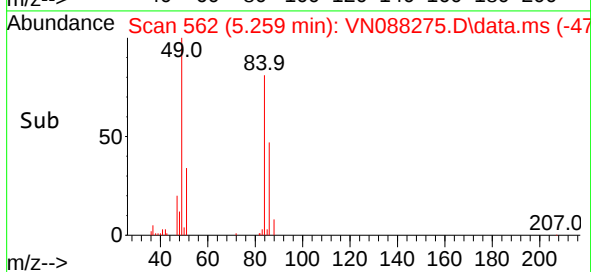
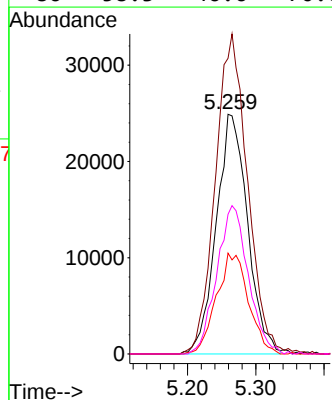
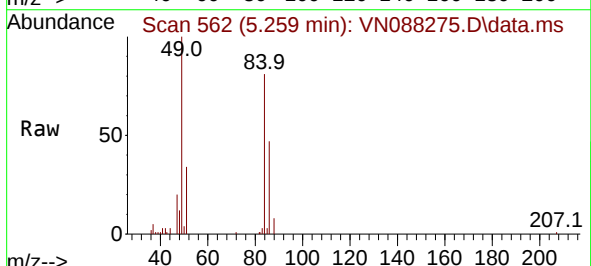
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

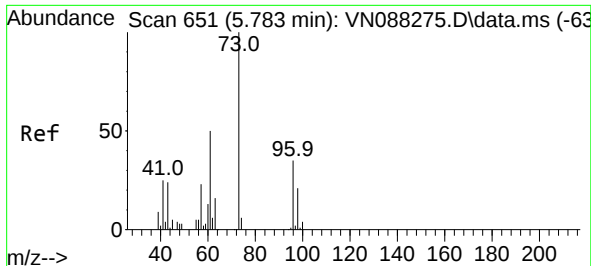
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 124920 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 76.6  | 38.3  | 114.9  |
| 76       | 37.0  | 18.5  | 55.5   |



#18  
 Methylene Chloride  
 Concen: 20.618 ug/l  
 RT: 5.259 min Scan# 562  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 79465 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.4 | 98.7  | 148.1 |
| 51       | 42.1  | 33.7  | 50.5  |
| 86       | 58.3  | 46.6  | 70.0  |

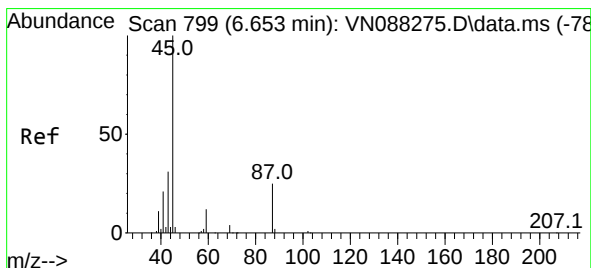
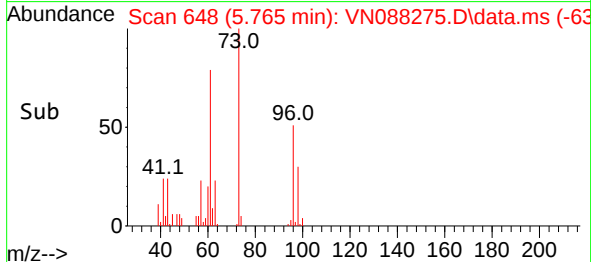
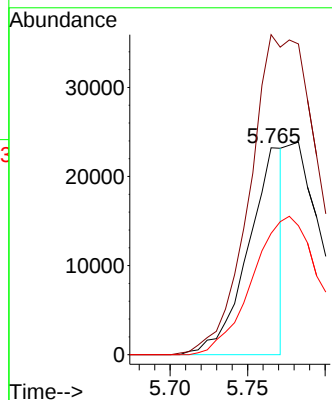
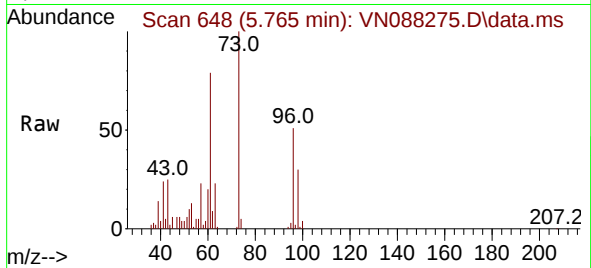




#19  
trans-1,2-Dichloroethene  
Concen: 10.267 ug/l  
RT: 5.765 min Scan# 648  
Delta R.T. -0.018 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

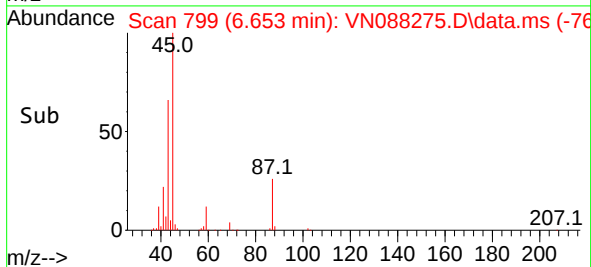
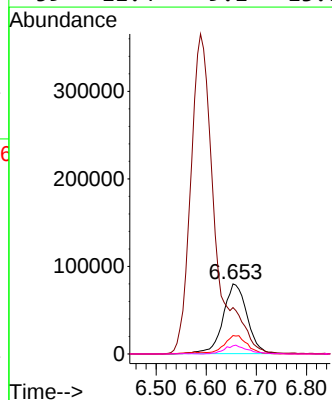
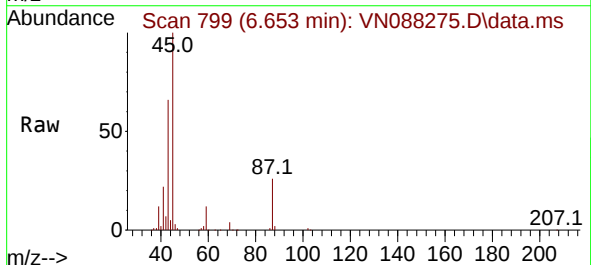
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

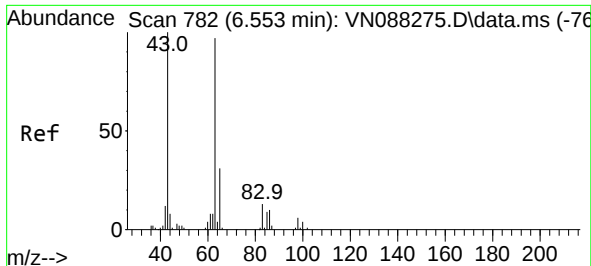
Tgt Ion: 96 Resp: 36274  
Ion Ratio Lower Upper  
96 100  
61 153.9 117.0 175.4  
98 58.6 48.6 72.8



#20  
Diisopropyl ether  
Concen: 20.483 ug/l  
RT: 6.653 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 45 Resp: 264884  
Ion Ratio Lower Upper  
45 100  
43 64.9 51.9 77.9  
87 26.4 21.1 31.7  
59 11.4 9.1 13.7





#21

1,1-Dichloroethane

Concen: 22.101 ug/l

RT: 6.553 min Scan# 782

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

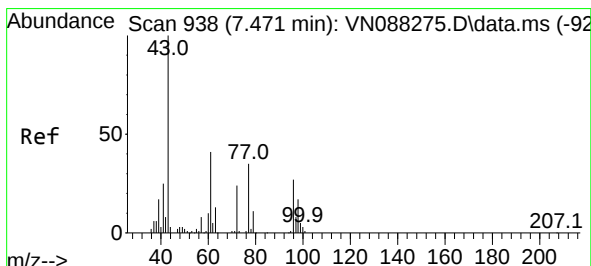
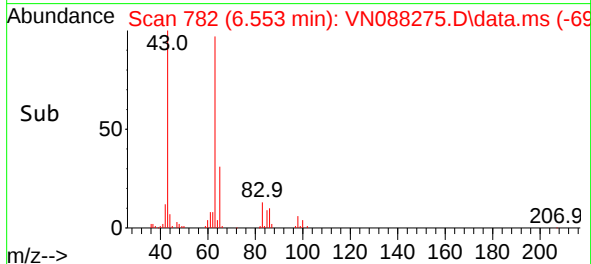
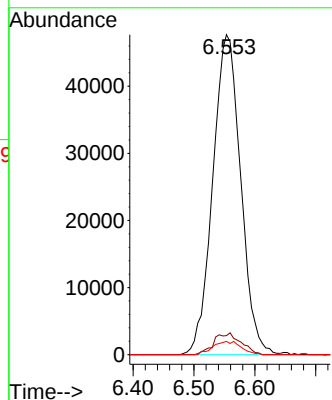
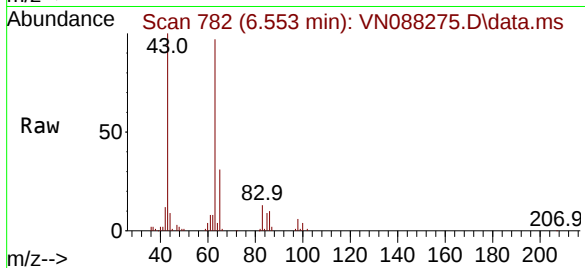
Tgt Ion: 63 Resp: 151801

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.2 2.1 6.3



#22

cis-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

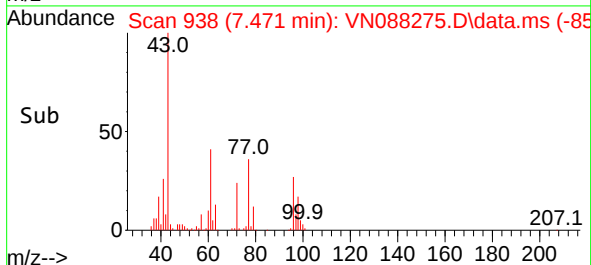
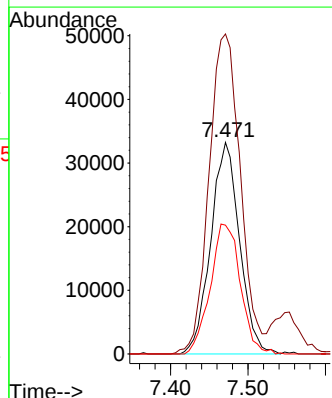
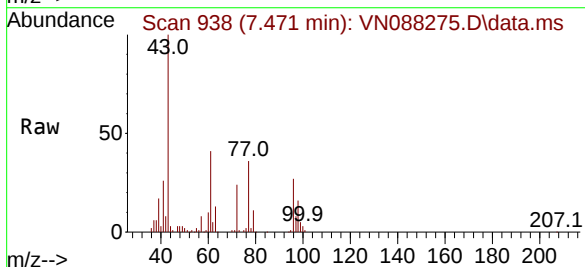
Tgt Ion: 96 Resp: 85904

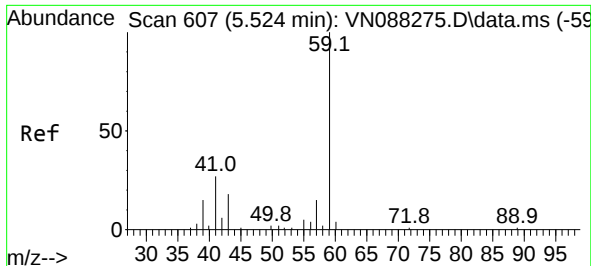
Ion Ratio Lower Upper

96 100

61 164.0 131.2 196.8

98 63.7 51.0 76.4

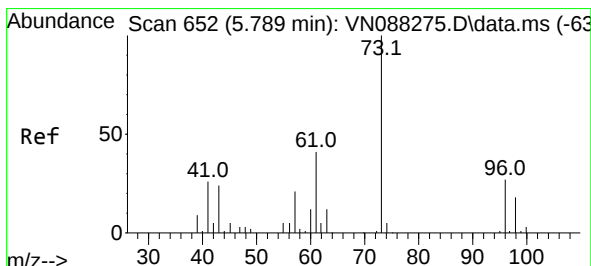
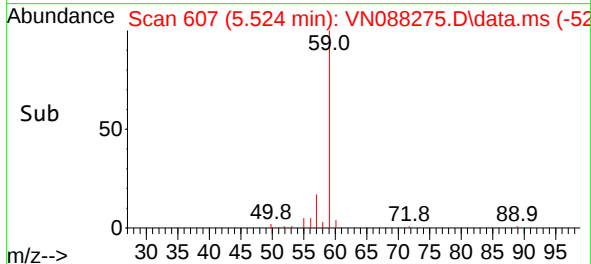
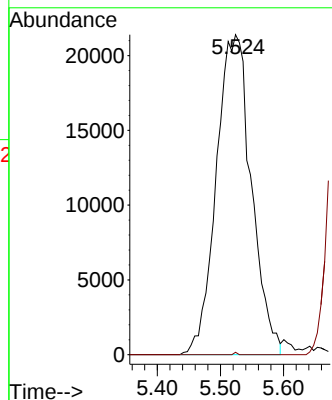
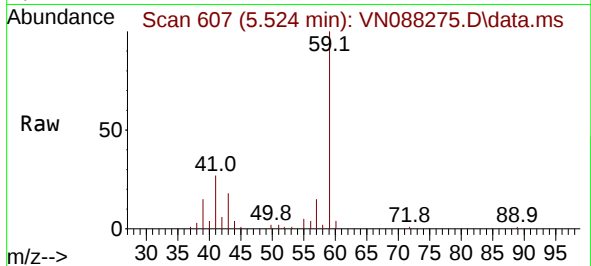




#23  
tert-Butyl Alcohol  
Concen: 89.862 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

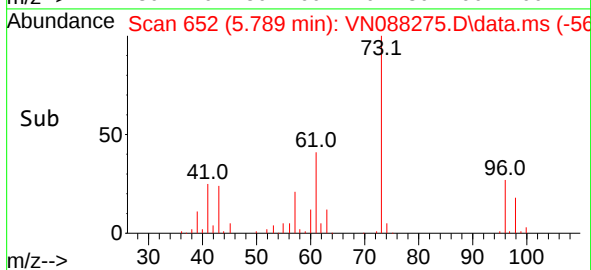
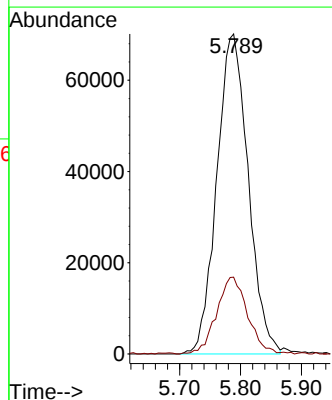
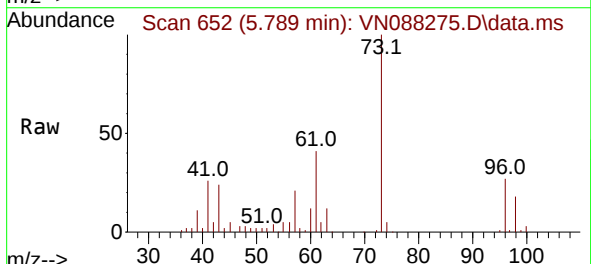
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

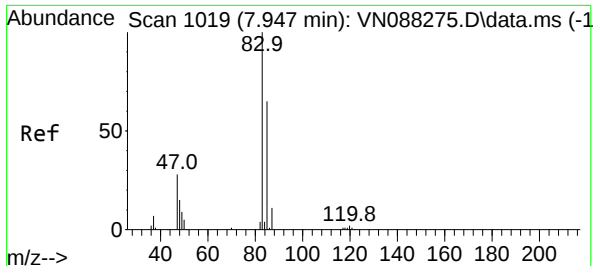
Tgt Ion: 59 Resp: 82461  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 19.534 ug/l  
RT: 5.789 min Scan# 652  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 73 Resp: 251301  
Ion Ratio Lower Upper  
73 100  
43 23.1 18.5 27.7

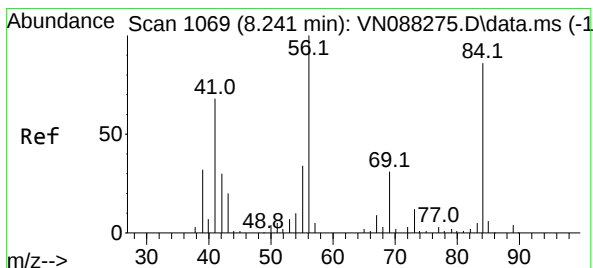
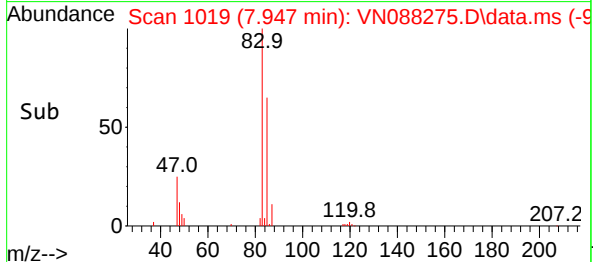
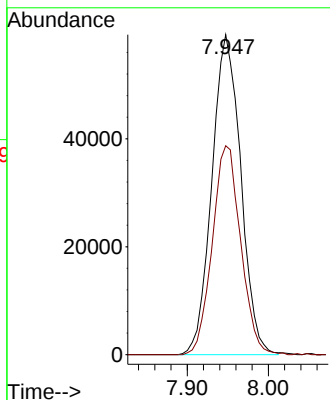
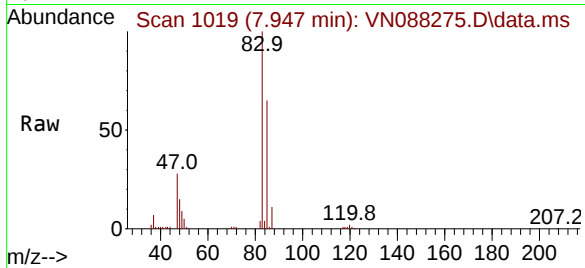




#25  
Chloroform  
Concen: 20.947 ug/l  
RT: 7.947 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

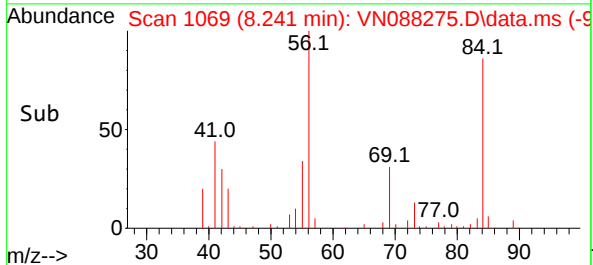
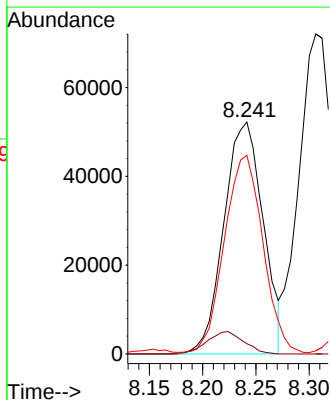
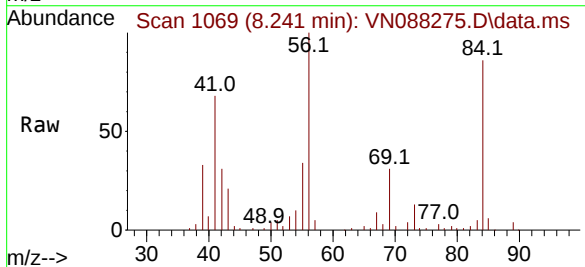
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

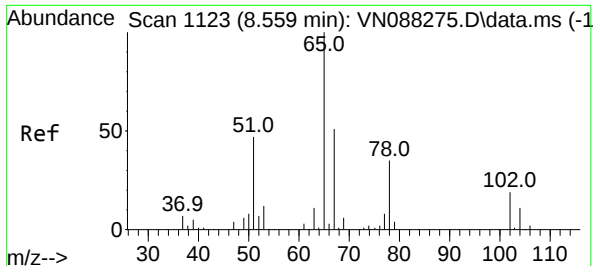
Tgt Ion: 83 Resp: 146699  
Ion Ratio Lower Upper  
83 100  
85 65.3 52.2 78.4



#26  
Cyclohexane  
Concen: 23.277 ug/l  
RT: 8.241 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 56 Resp: 133859  
Ion Ratio Lower Upper  
56 100  
89 9.1 7.3 10.9  
84 84.8 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 33.966 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

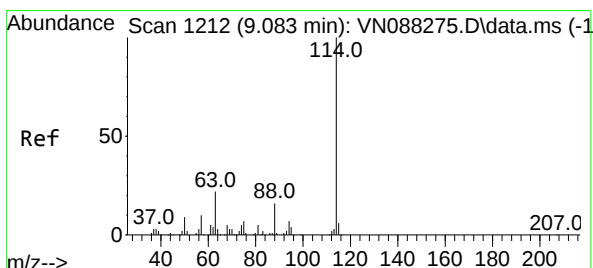
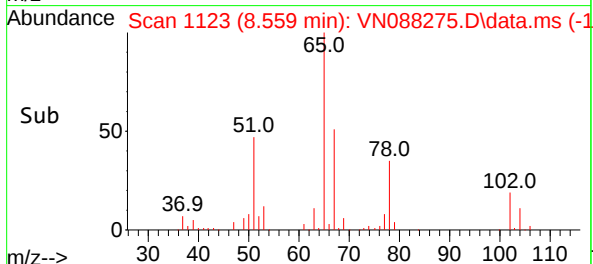
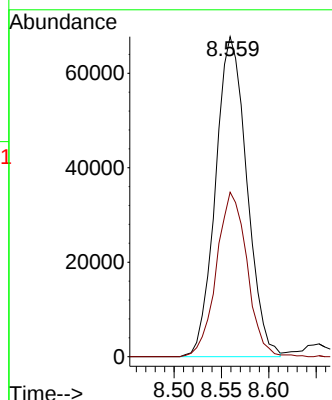
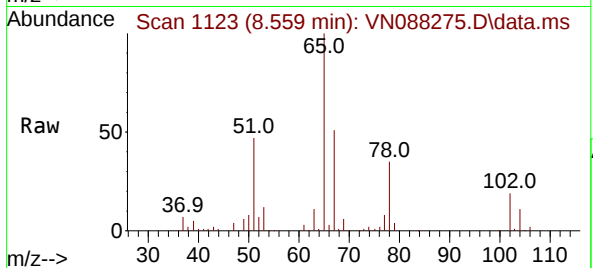
VSTDICCC020

Tgt Ion: 65 Resp: 155667

Ion Ratio Lower Upper

65 100

67 50.2 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

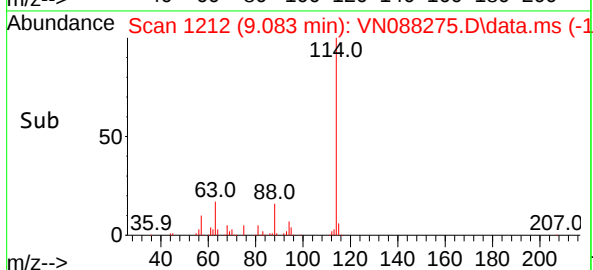
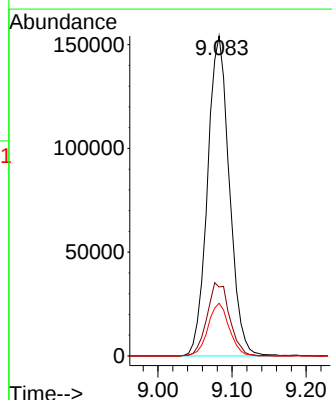
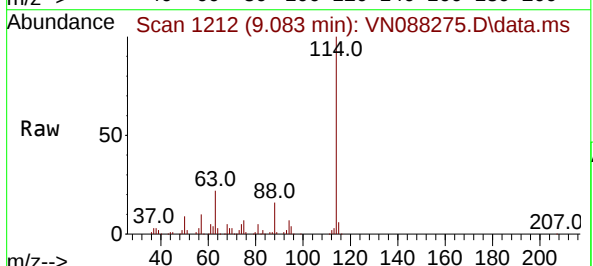
Tgt Ion: 114 Resp: 316009

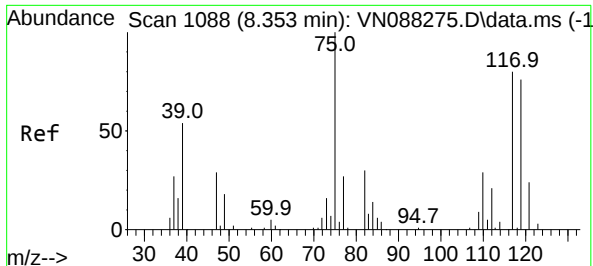
Ion Ratio Lower Upper

114 100

63 23.6 18.9 28.3

88 16.0 12.8 19.2

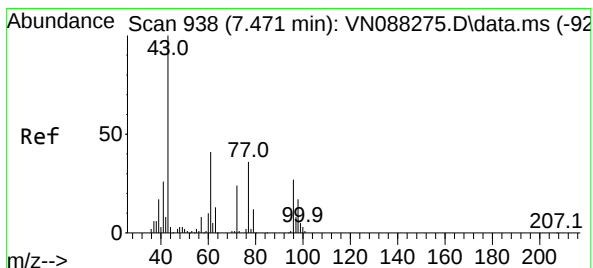
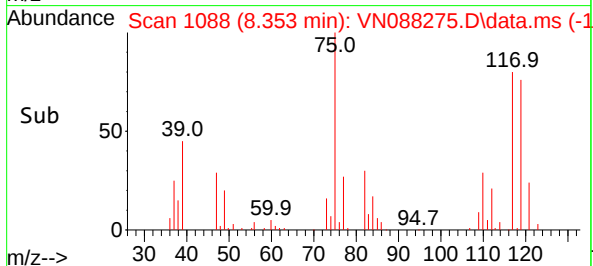
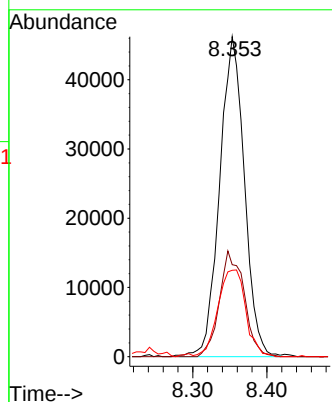
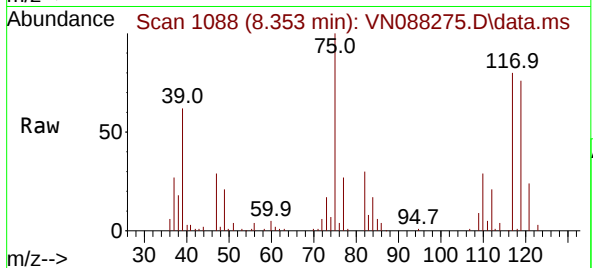




#29  
1,1-Dichloropropene  
Concen: 22.717 ug/l  
RT: 8.353 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

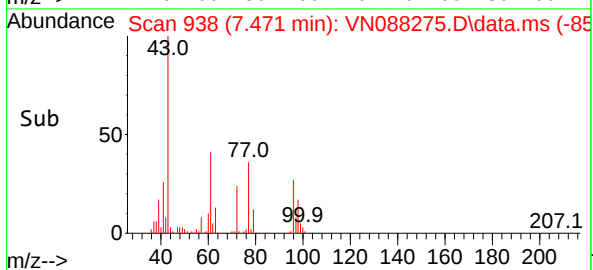
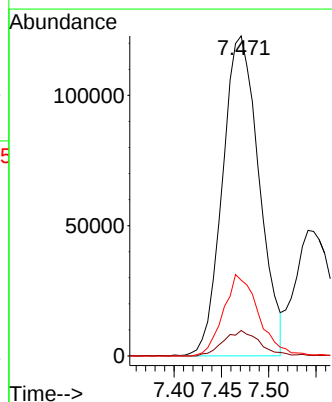
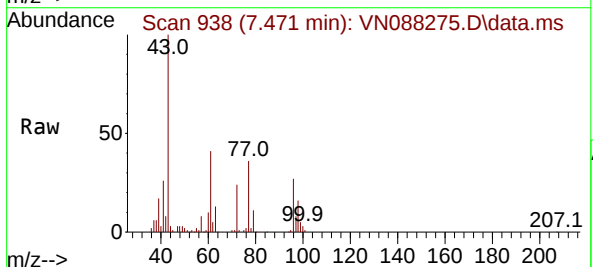
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

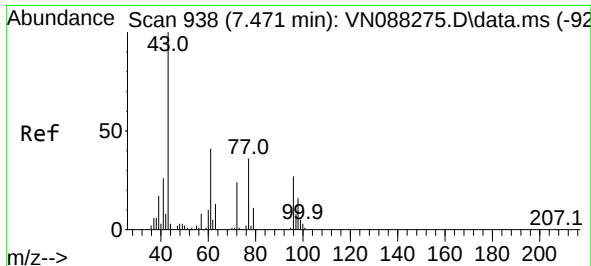
Tgt Ion: 75 Resp: 107093  
Ion Ratio Lower Upper  
75 100  
110 32.8 0.0 65.6  
77 30.4 0.0 60.8



#30  
2-Butanone  
Concen: 98.988 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 43 Resp: 330360  
Ion Ratio Lower Upper  
43 100  
57 7.8 6.2 9.4  
72 24.3 19.4 29.2

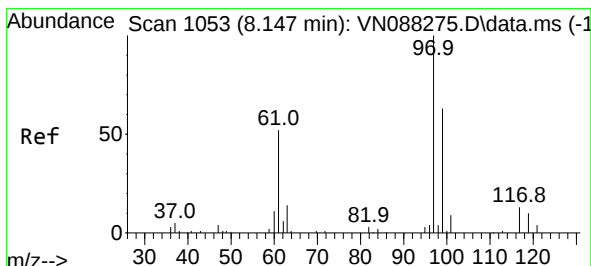
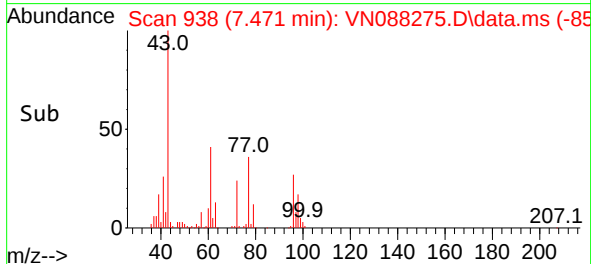
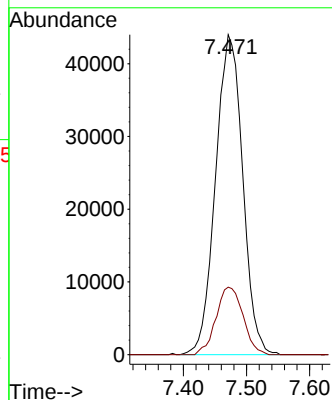
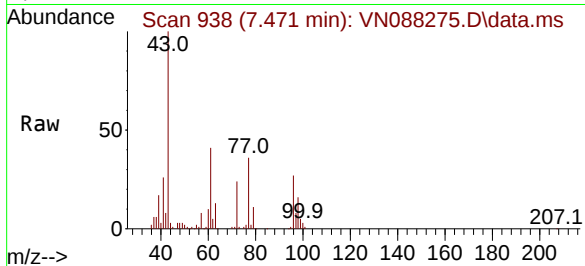




#31  
2,2-Dichloropropane  
Concen: 21.925 ug/l  
RT: 7.471 min Scan# 913  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

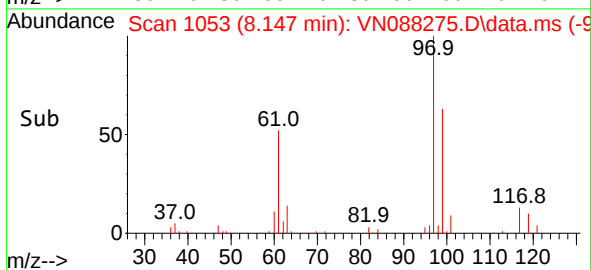
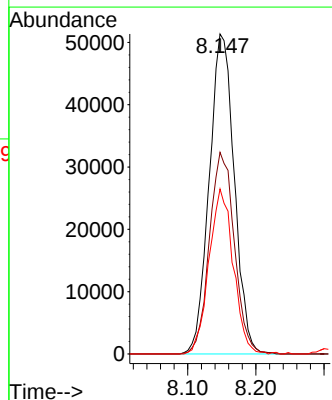
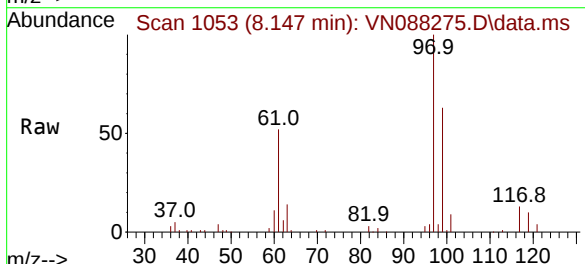
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

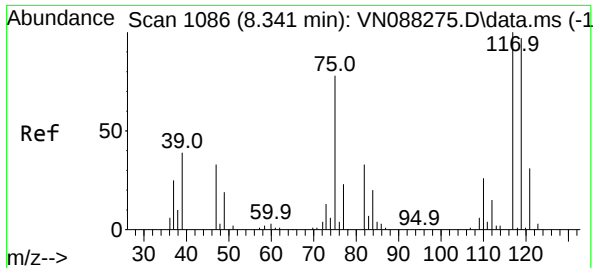
Tgt Ion: 77 Resp: 131341  
Ion Ratio Lower Upper  
77 100  
97 21.0 16.8 25.2



#32  
1,1,1-Trichloroethane  
Concen: 22.498 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 97 Resp: 131366  
Ion Ratio Lower Upper  
97 100  
99 62.8 50.2 75.4  
61 49.8 39.8 59.8

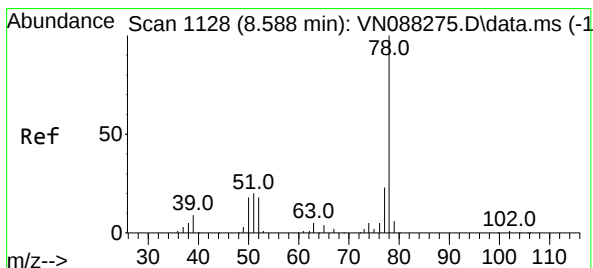
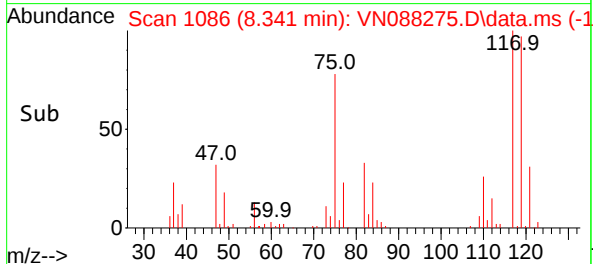
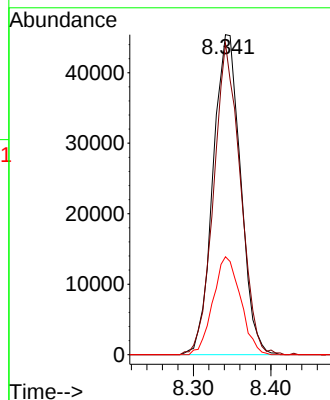
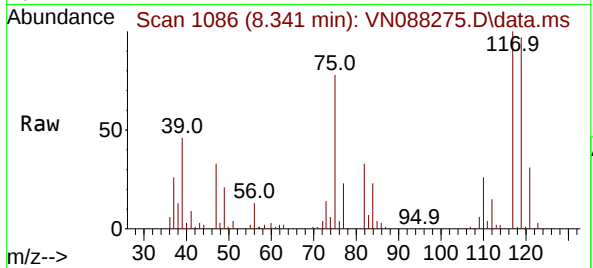




#33  
Carbon Tetrachloride  
Concen: 22.765 ug/l  
RT: 8.341 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

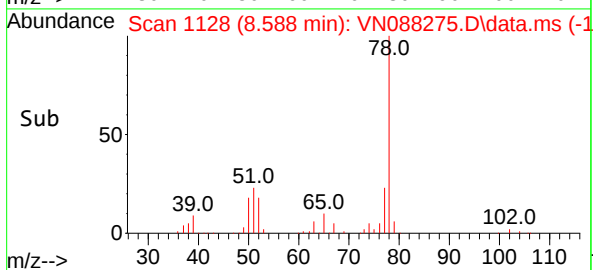
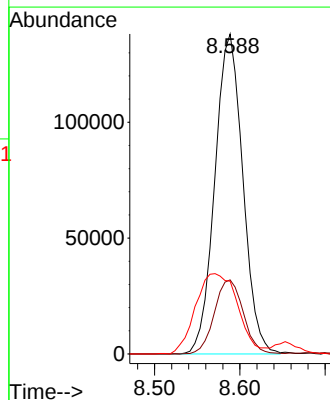
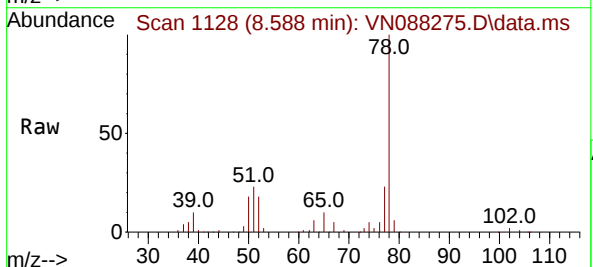
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

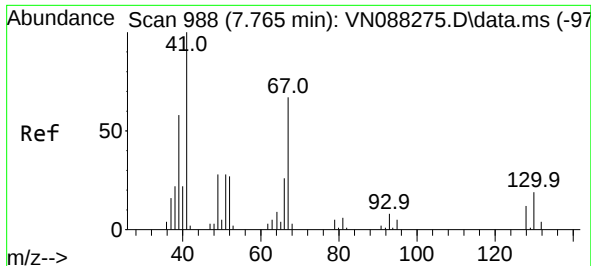
Tgt Ion:117 Resp: 112124  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.8 116.8  
121 30.6 24.5 36.7



#34  
Benzene  
Concen: 20.690 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 78 Resp: 314932  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.6 27.8  
51 19.8 15.8 23.8



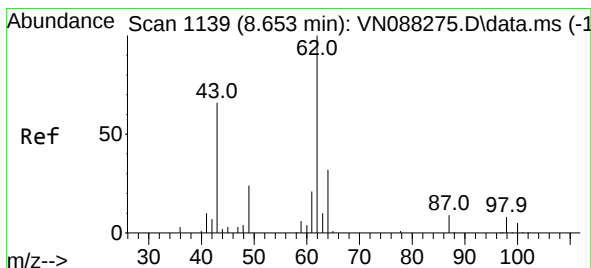
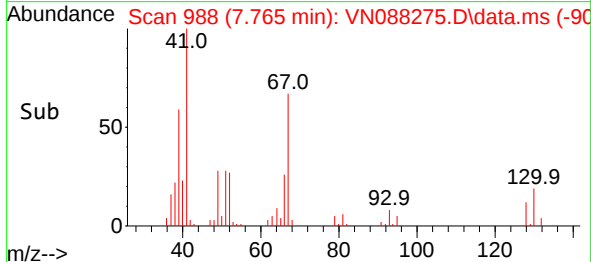
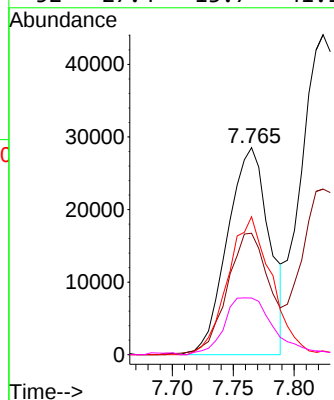
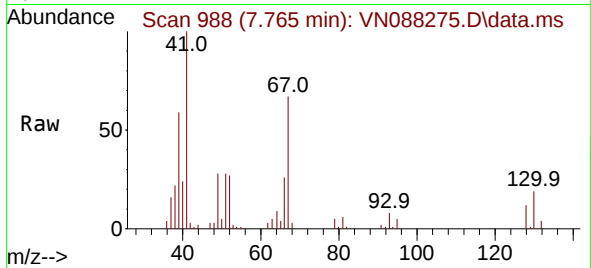


#35  
Methacrylonitrile  
Concen: 19.580 ug/l  
RT: 7.765 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 41 Resp: 68465

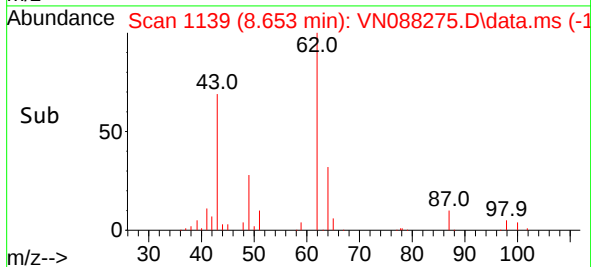
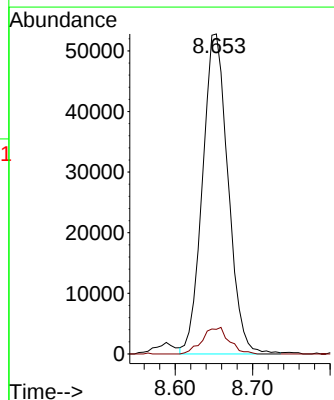
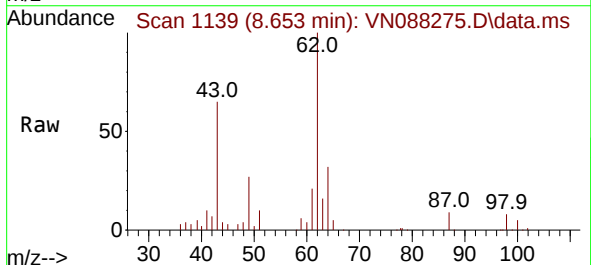
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.0  | 29.0  | 87.0  |
| 67  | 66.6  | 33.3  | 99.9  |
| 52  | 27.4  | 13.7  | 41.1  |

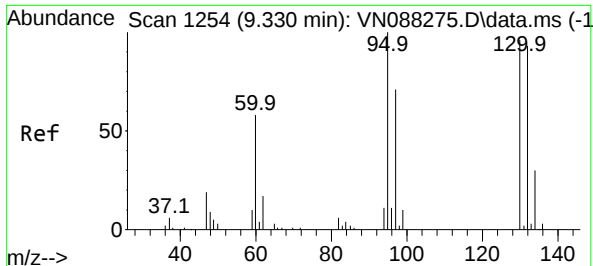


#36  
1,2-Dichloroethane  
Concen: 22.449 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 62 Resp: 121133

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.5   | 6.8   | 10.2  |





#37

Trichloroethene

Concen: 20.066 ug/l

RT: 9.330 min Scan# 1254

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

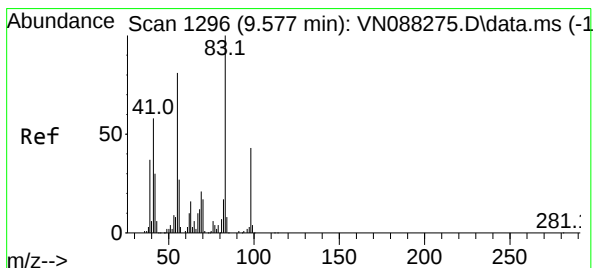
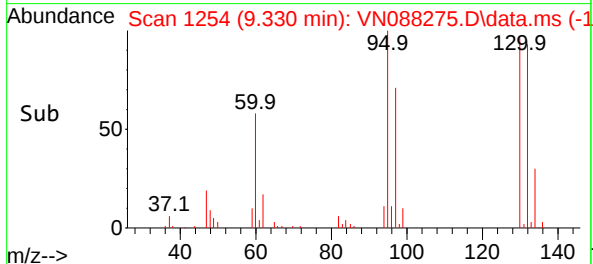
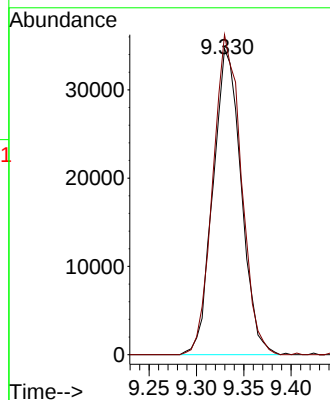
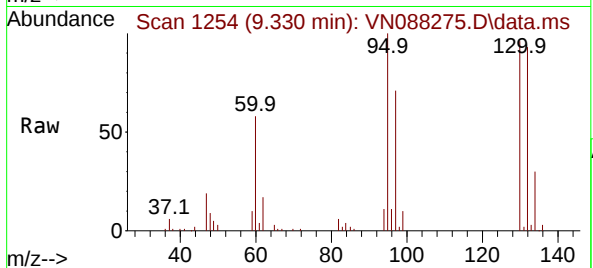
VSTDICCC020

Tgt Ion:130 Resp: 71676

Ion Ratio Lower Upper

130 100

95 104.6 83.7 125.5



#38

Methylcyclohexane

Concen: 21.749 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

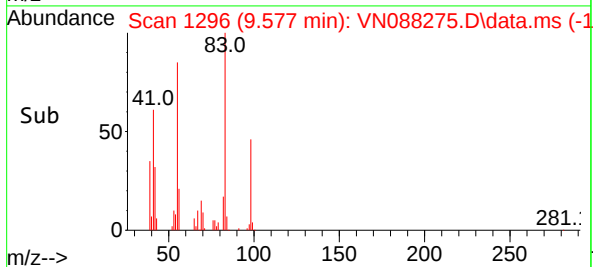
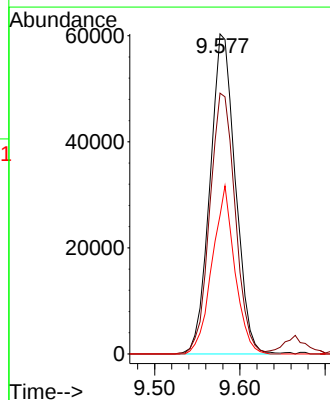
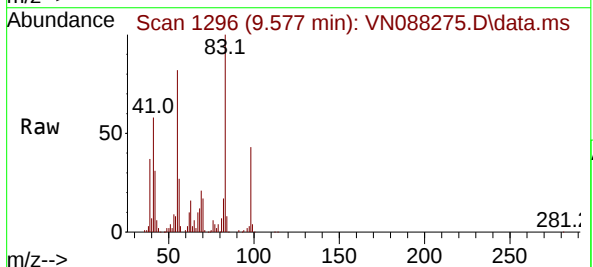
Tgt Ion: 83 Resp: 124934

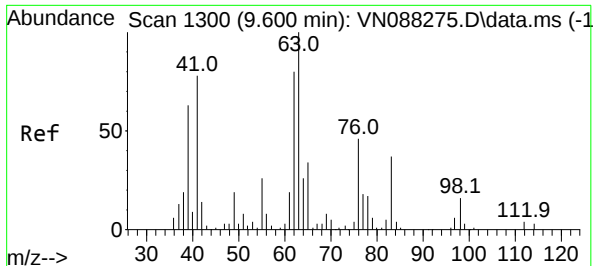
Ion Ratio Lower Upper

83 100

55 81.7 40.8 122.5

98 46.9 23.4 70.3

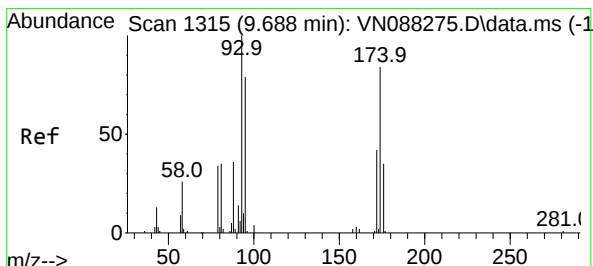
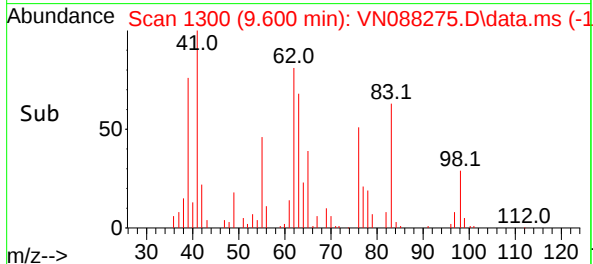
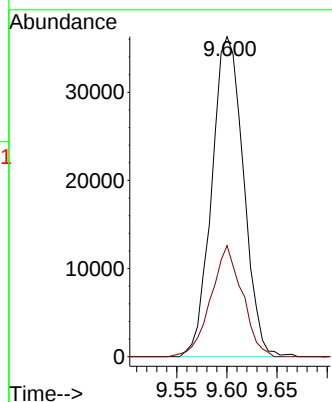
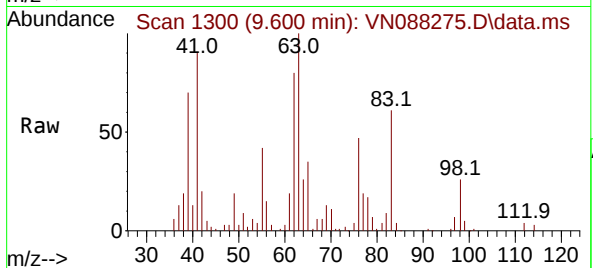




#39  
1,2-Dichloropropane  
Concen: 20.829 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

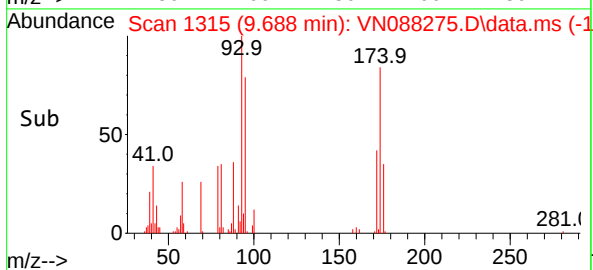
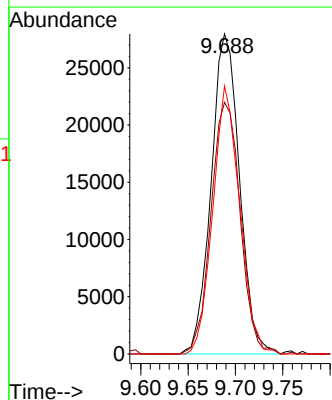
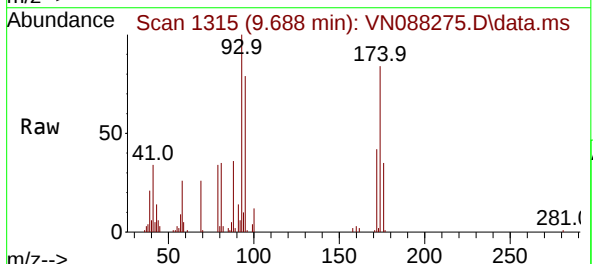
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

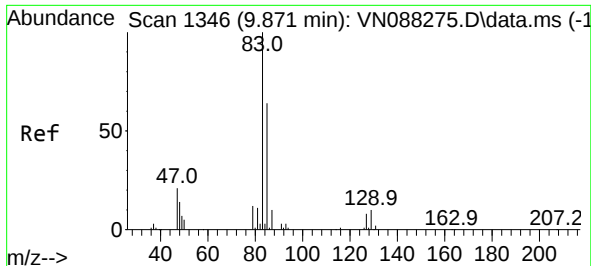
Tgt Ion: 63 Resp: 79702  
Ion Ratio Lower Upper  
63 100  
65 34.7 27.8 41.6



#40  
Dibromomethane  
Concen: 20.946 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 93 Resp: 58255  
Ion Ratio Lower Upper  
93 100  
95 80.8 0.0 161.6  
174 79.1 0.0 158.2

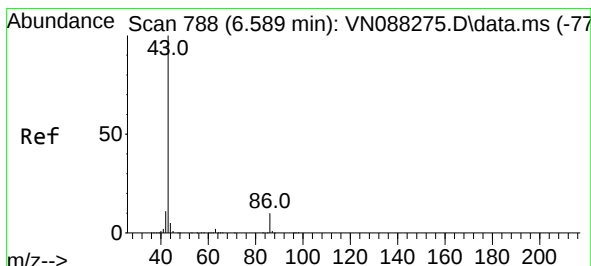
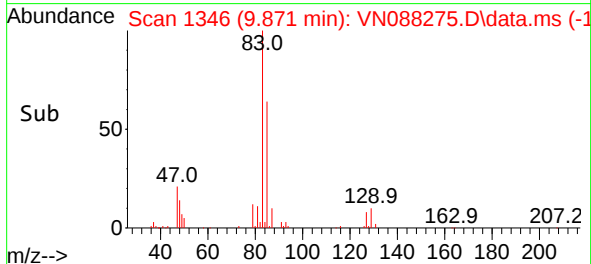
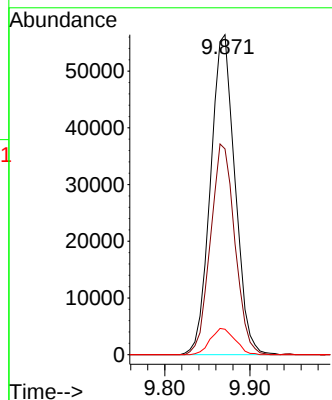
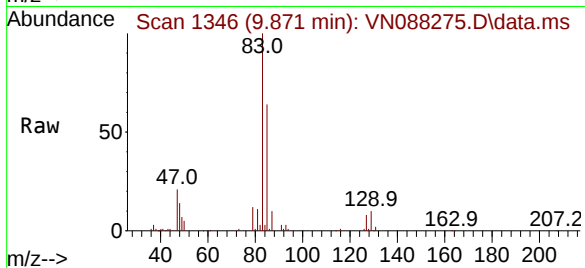




#41  
Bromodichloromethane  
Concen: 20.003 ug/l  
RT: 9.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

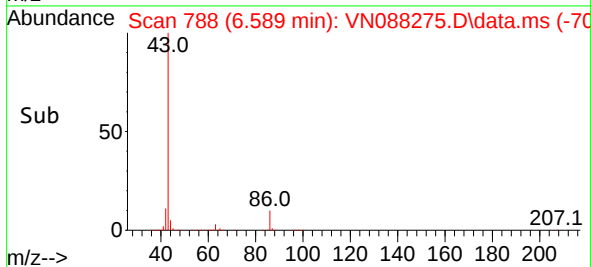
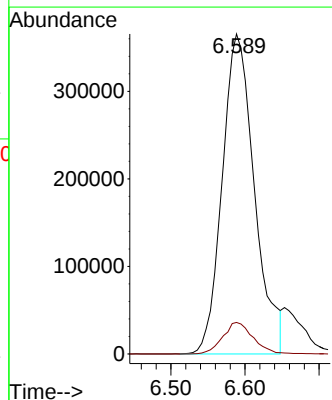
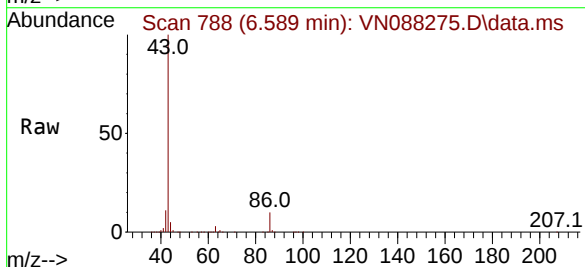
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

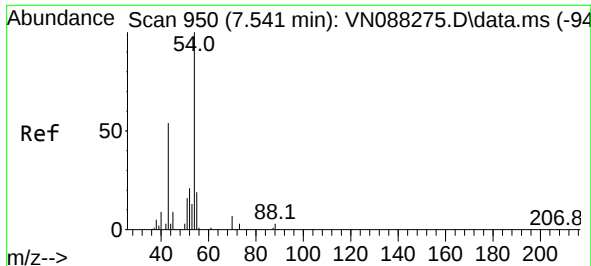
Tgt Ion: 83 Resp: 112790  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.4 77.2  
127 8.0 6.4 9.6



#42  
Vinyl Acetate  
Concen: 96.320 ug/l  
RT: 6.589 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 43 Resp: 1104913  
Ion Ratio Lower Upper  
43 100  
86 9.3 7.4 11.2

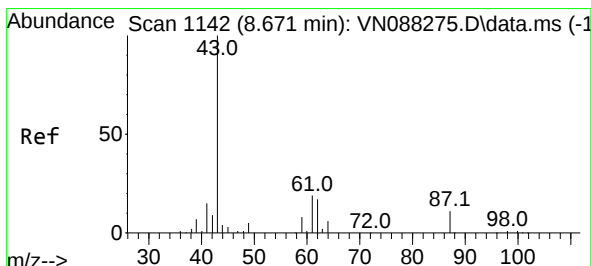
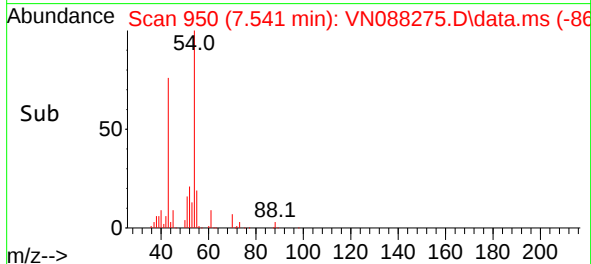
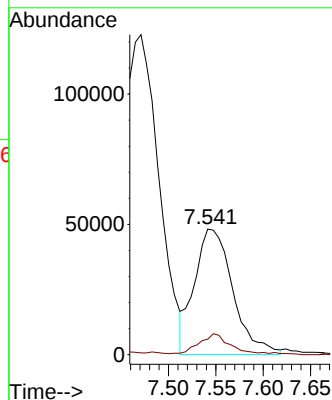
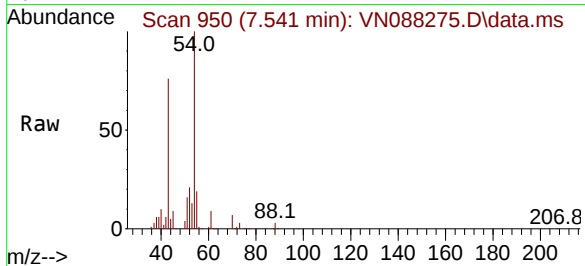




#43  
Ethyl Acetate  
Concen: 20.923 ug/l  
RT: 7.541 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

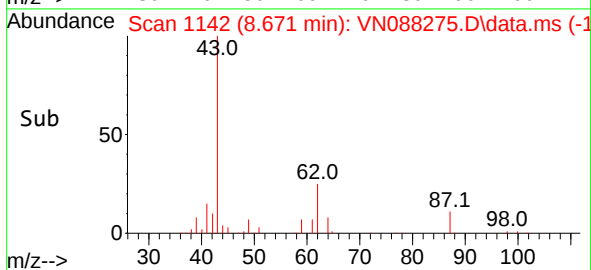
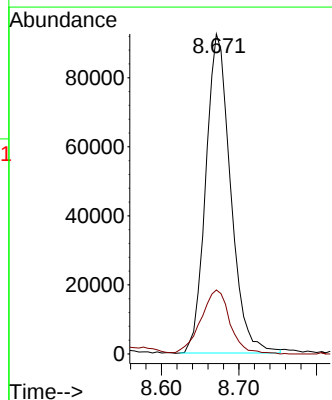
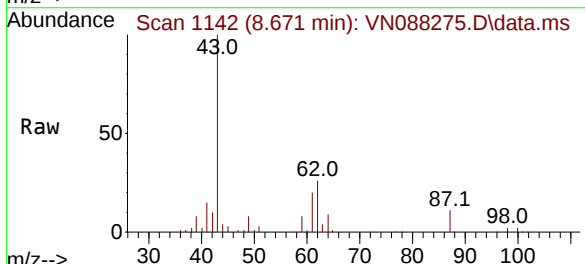
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

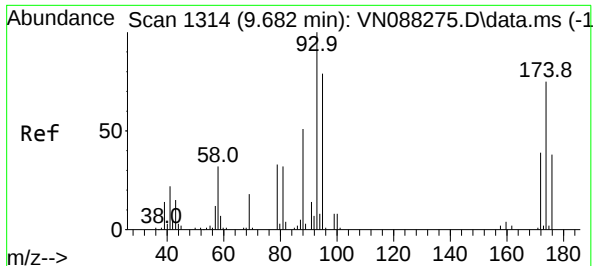
Tgt Ion: 43 Resp: 135974  
Ion Ratio Lower Upper  
43 100  
45 12.4 9.9 14.9



#44  
Isopropyl Acetate  
Concen: 19.593 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 43 Resp: 205400  
Ion Ratio Lower Upper  
43 100  
61 23.8 19.0 28.6

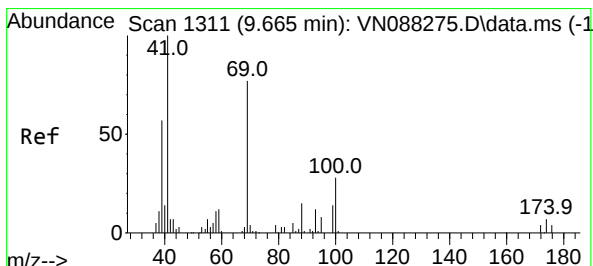
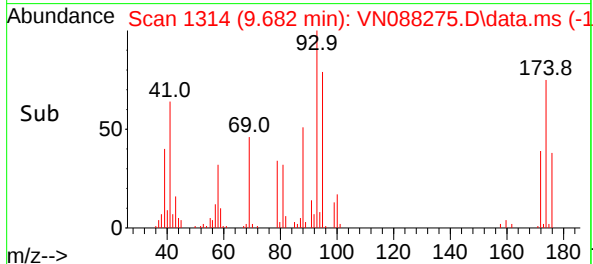
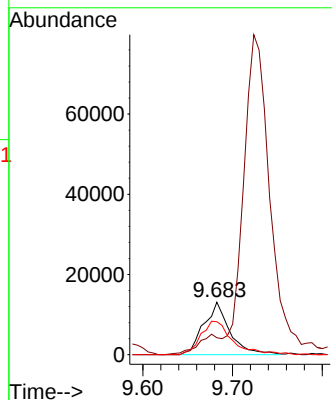
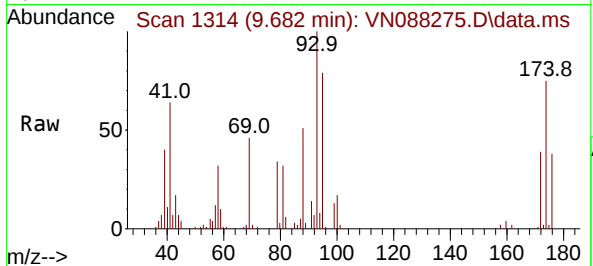




#45  
 1,4-Dioxane  
 Concen: 388.772 ug/l  
 RT: 9.682 min Scan# 1314  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

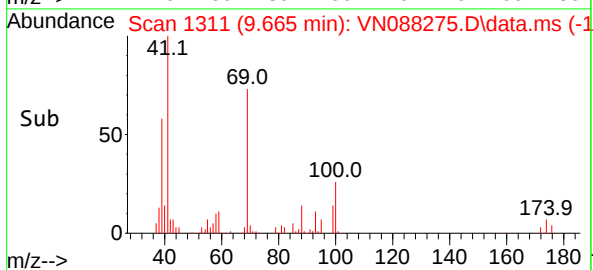
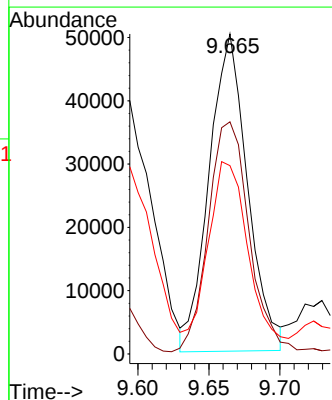
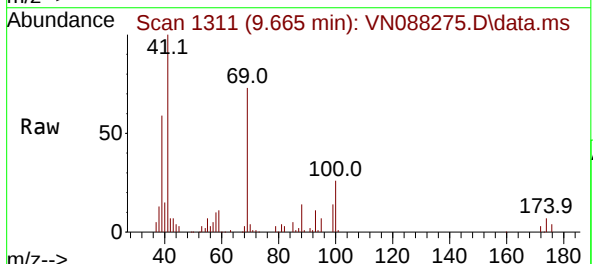
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

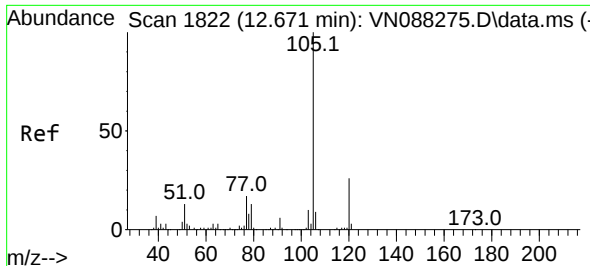
Tgt Ion: 88 Resp: 26417  
 Ion Ratio Lower Upper  
 88 100  
 43 34.8 27.8 41.8  
 58 74.4 59.5 89.3



#46  
 Methyl methacrylate  
 Concen: 19.858 ug/l  
 RT: 9.665 min Scan# 1311  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 41 Resp: 94347  
 Ion Ratio Lower Upper  
 41 100  
 69 76.9 38.5 115.3  
 39 58.1 29.0 87.1

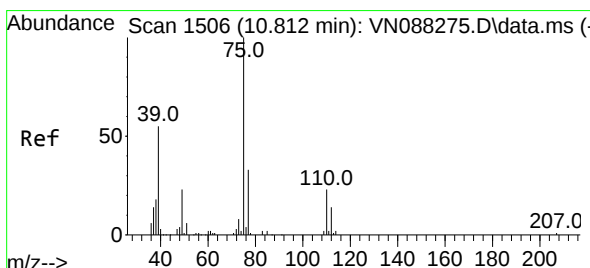
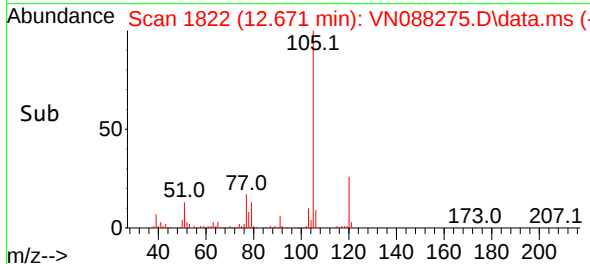
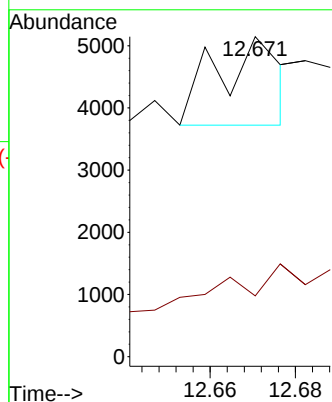
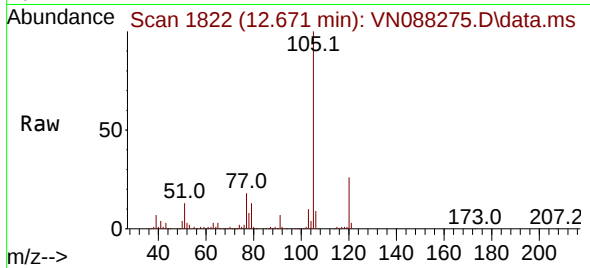




#47  
n-amyl acetate  
Concen: 0.294 ug/l  
RT: 12.671 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

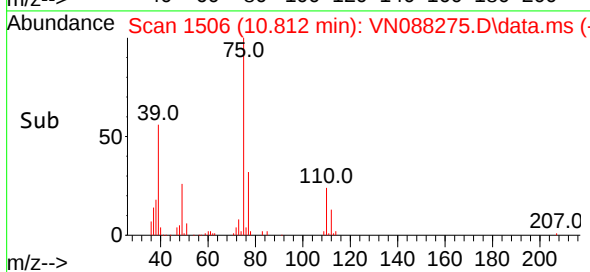
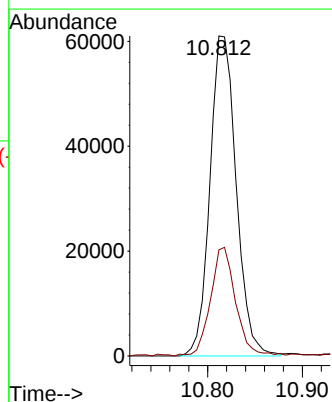
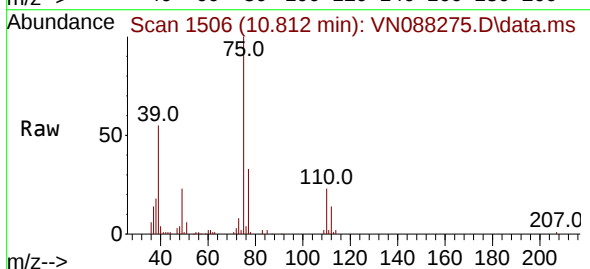
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

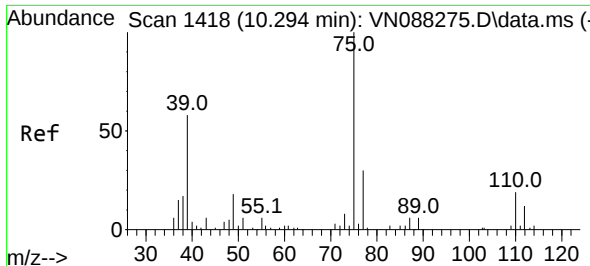
Tgt Ion: 43 Resp: 1453  
Ion Ratio Lower Upper  
43 100  
55 16.9 0.0 0.0#



#48  
t-1,3-Dichloropropene  
Concen: 18.989 ug/l  
RT: 10.812 min Scan# 1506  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 75 Resp: 117823  
Ion Ratio Lower Upper  
75 100  
77 32.6 26.1 39.1

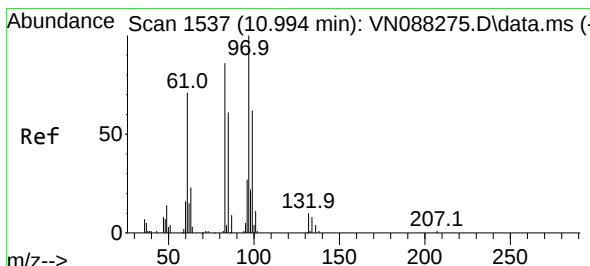
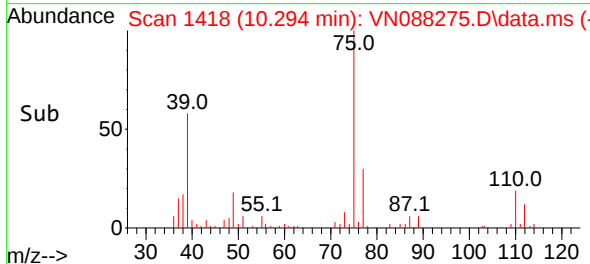
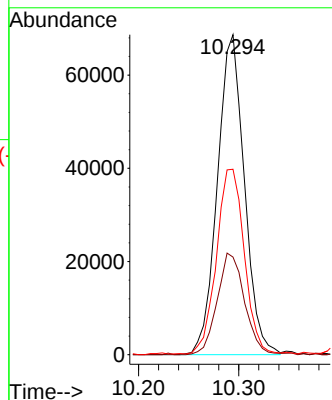
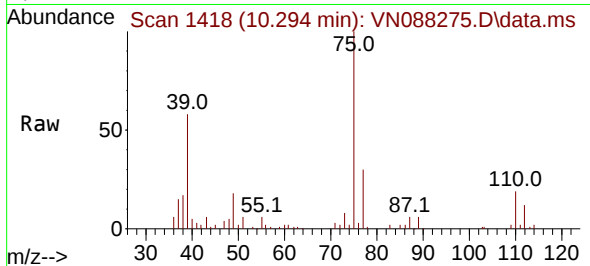




#49  
 cis-1,3-Dichloropropene  
 Concen: 19.738 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

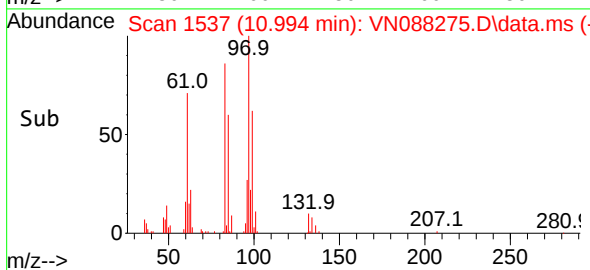
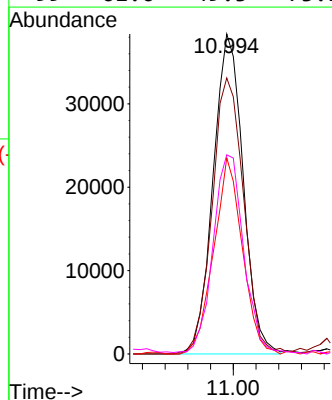
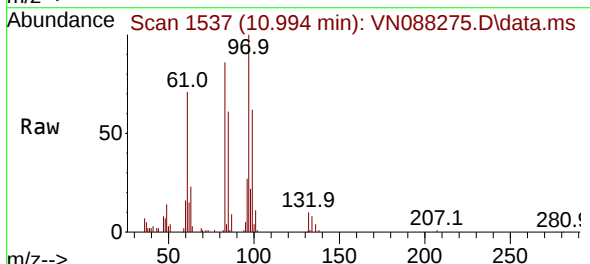
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 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

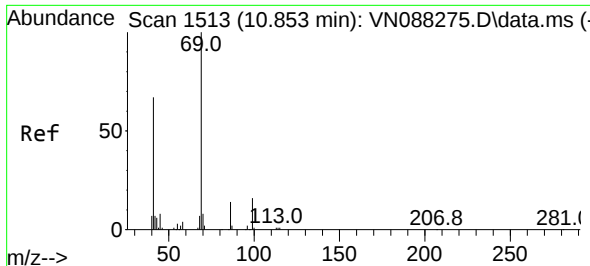
Tgt Ion: 75 Resp: 128462  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 24.4 36.6  
 39 57.6 46.1 69.1



#50  
 1,1,2-Trichloroethane  
 Concen: 19.404 ug/l  
 RT: 10.994 min Scan# 1537  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 97 Resp: 70272  
 Ion Ratio Lower Upper  
 97 100  
 83 85.7 68.6 102.8  
 85 61.3 49.0 73.6  
 99 61.6 49.3 73.9

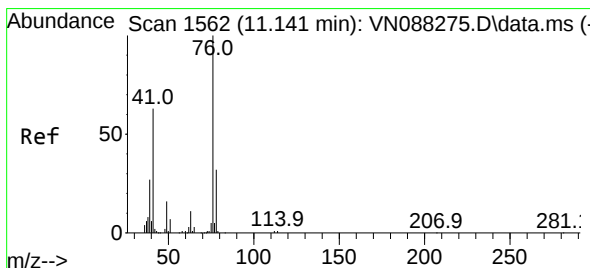
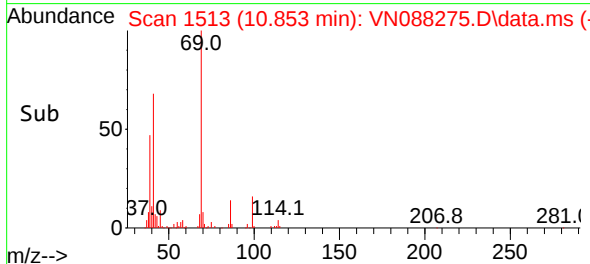
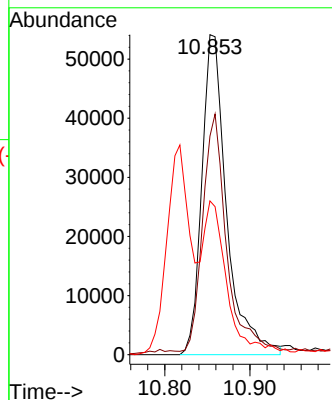
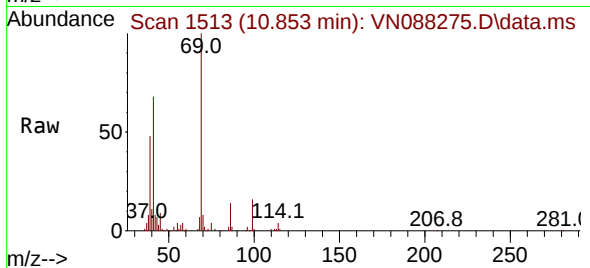




#51  
Ethyl methacrylate  
Concen: 18.093 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

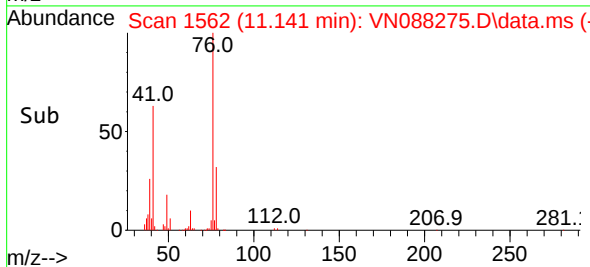
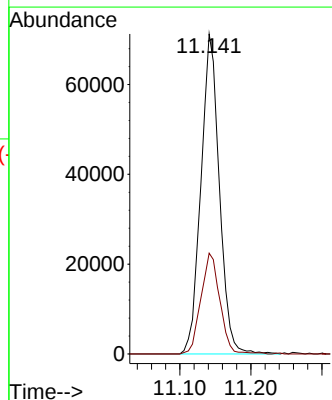
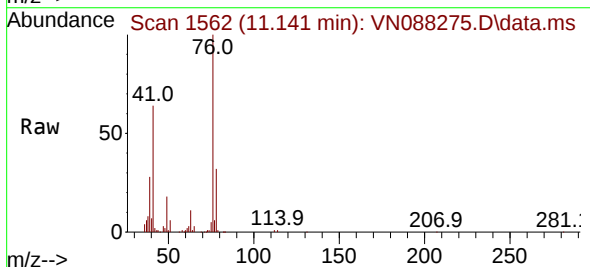
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

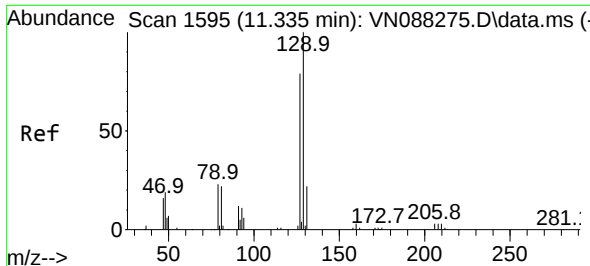
Tgt Ion: 69 Resp: 110057  
Ion Ratio Lower Upper  
69 100  
41 67.2 33.6 100.8  
39 46.8 23.4 70.2



#52  
1,3-Dichloropropane  
Concen: 20.209 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 76 Resp: 128846  
Ion Ratio Lower Upper  
76 100  
78 32.1 0.0 64.2

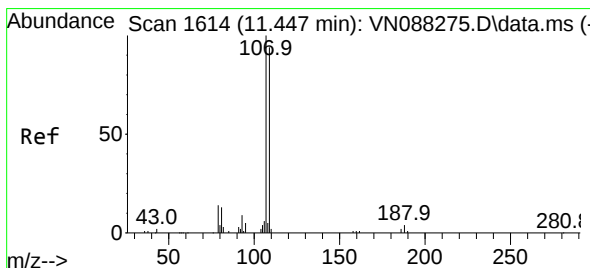
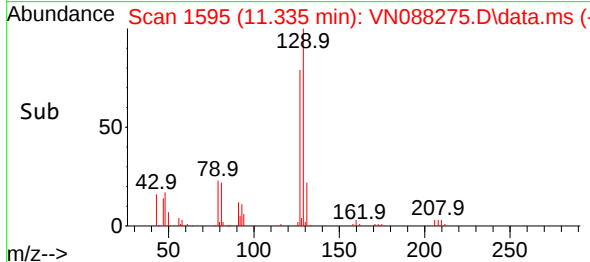
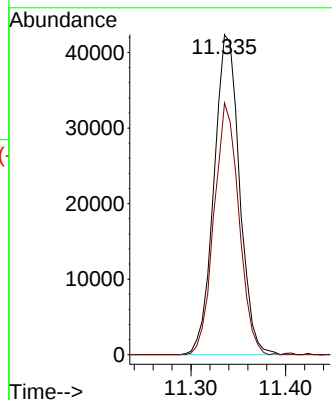
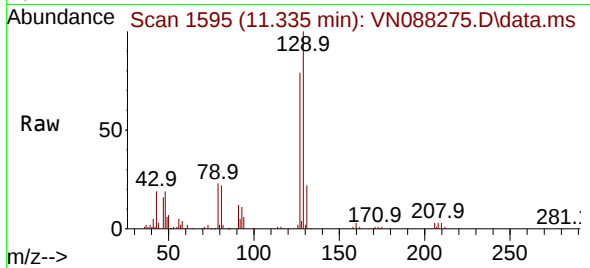




#53  
Dibromochloromethane  
Concen: 18.494 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

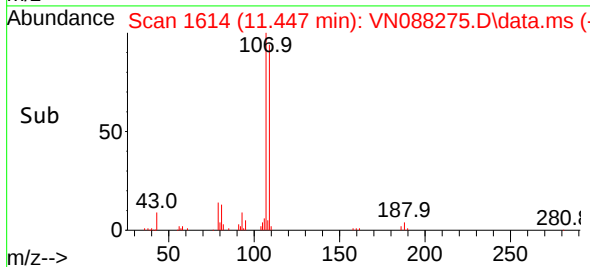
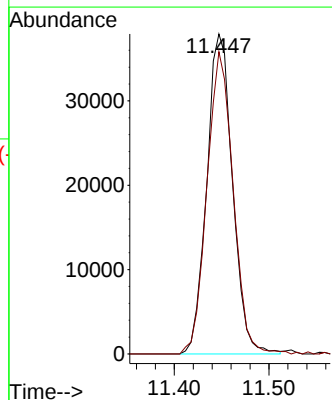
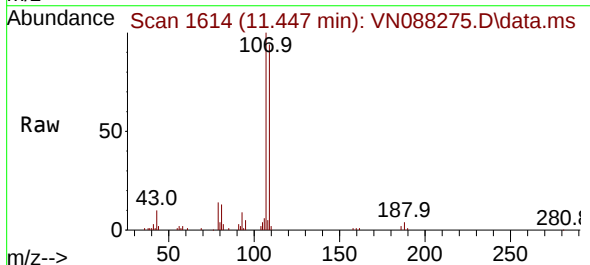
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MSVOA\_N  
ClientSampleId :  
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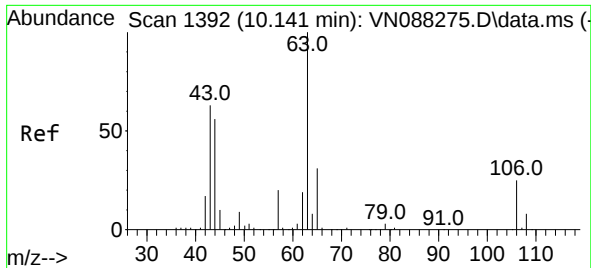
Tgt Ion:129 Resp: 79410  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.2 114.6



#54  
1,2-Dibromoethane  
Concen: 18.708 ug/l  
RT: 11.447 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion:107 Resp: 71949  
Ion Ratio Lower Upper  
107 100  
109 95.8 76.6 115.0

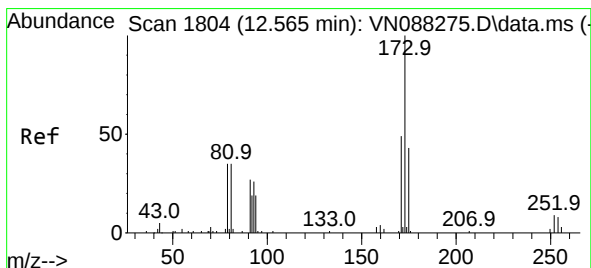
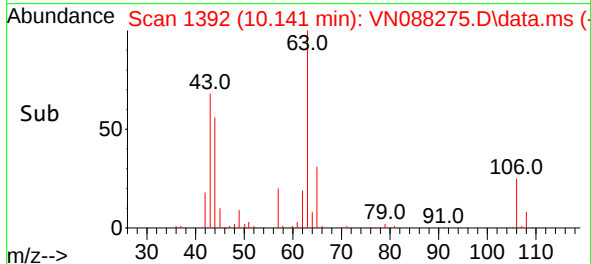
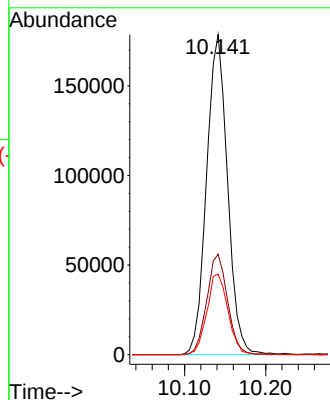
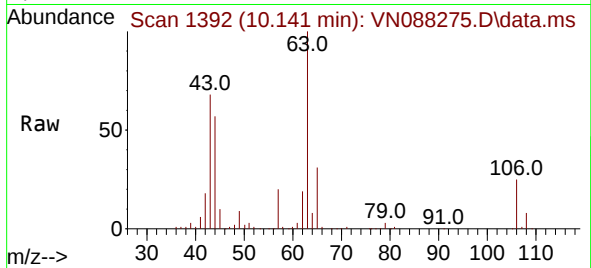




#55  
2-Chloroethyl vinyl ether  
Concen: 97.447 ug/l  
RT: 10.141 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

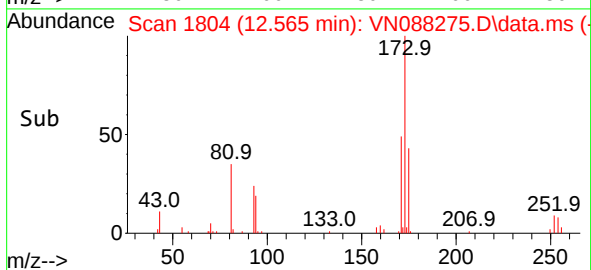
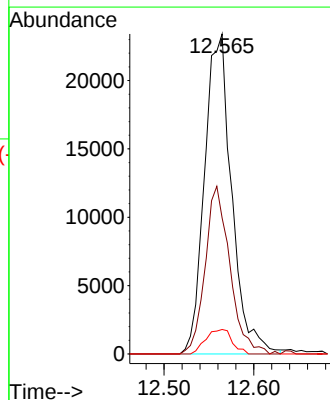
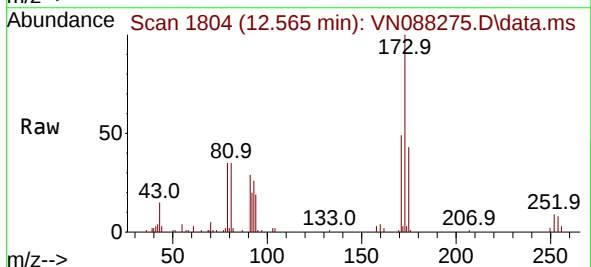
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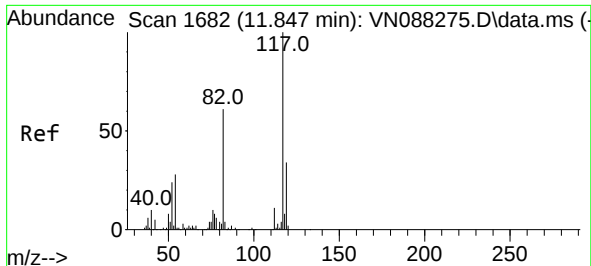
Tgt Ion: 63 Resp: 320128  
Ion Ratio Lower Upper  
63 100  
65 31.1 24.9 37.3  
106 25.4 20.3 30.5



#56  
Bromoform  
Concen: 17.127 ug/l  
RT: 12.565 min Scan# 1804  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 173 Resp: 49101  
Ion Ratio Lower Upper  
173 100  
175 47.1 37.7 56.5  
254 7.4 5.9 8.9

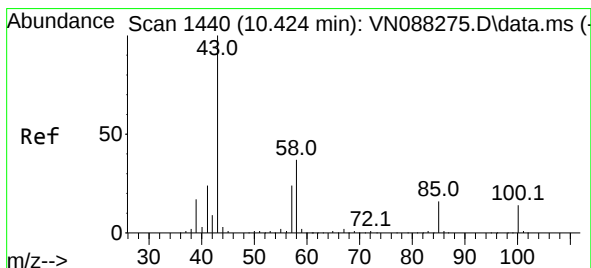
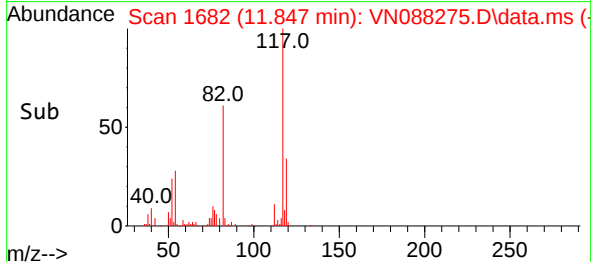
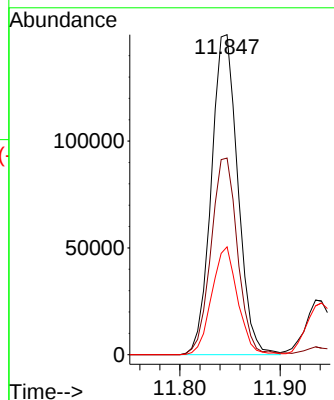
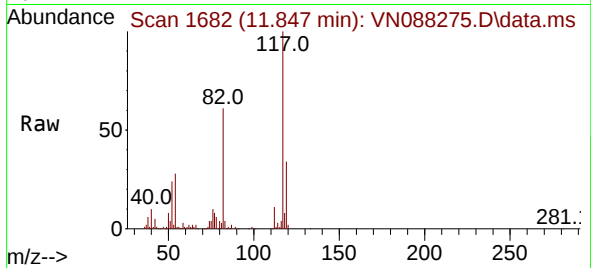




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

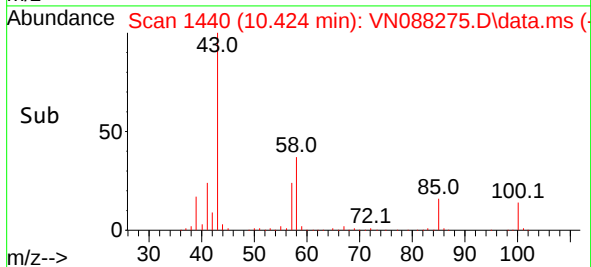
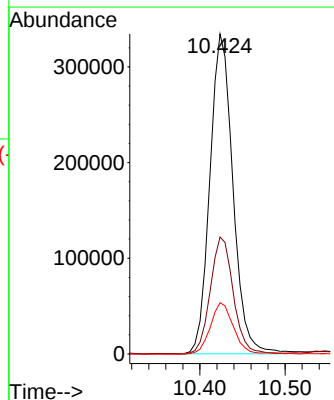
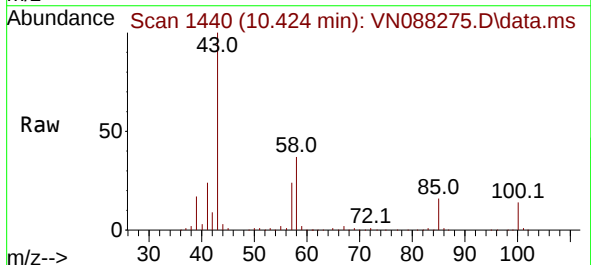
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

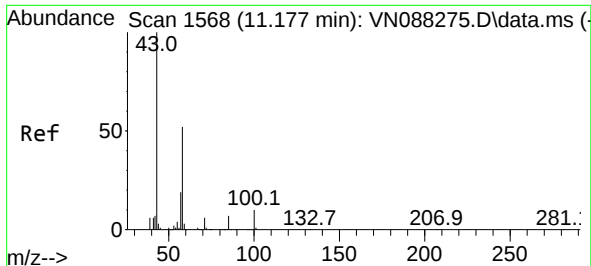
Tgt Ion:117 Resp: 274966  
Ion Ratio Lower Upper  
117 100  
82 61.6 49.3 73.9  
119 33.0 26.4 39.6



#58  
4-Methyl-2-Pentanone  
Concen: 101.601 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 43 Resp: 627464  
Ion Ratio Lower Upper  
43 100  
58 36.5 29.2 43.8  
85 15.8 12.6 19.0

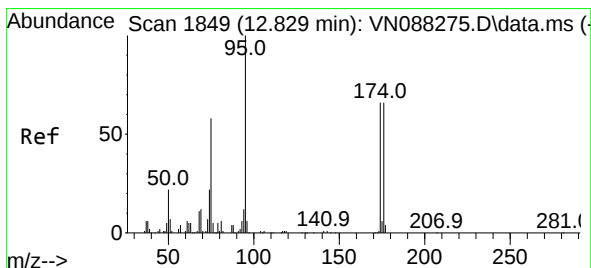
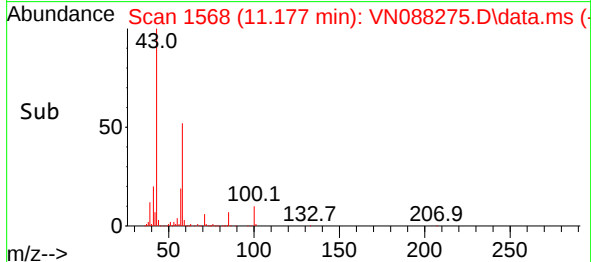
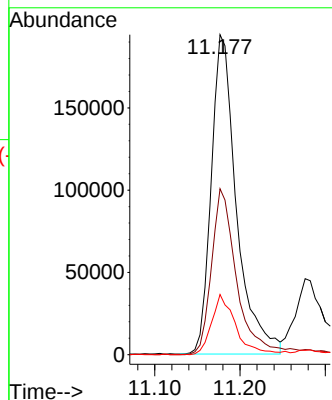
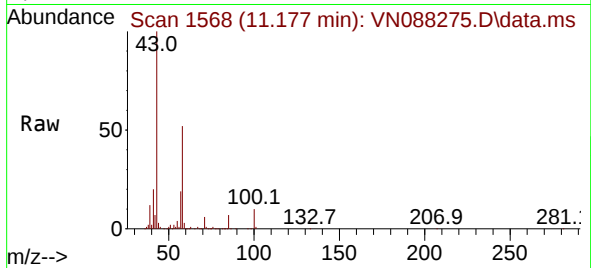




#59  
2-Hexanone  
Concen: 98.468 ug/l  
RT: 11.177 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

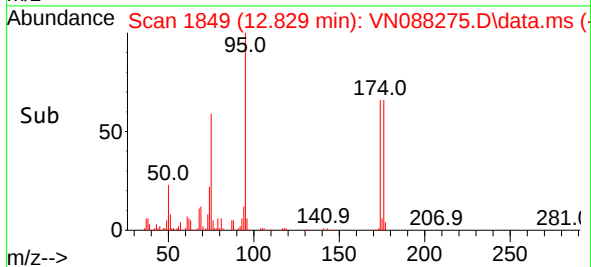
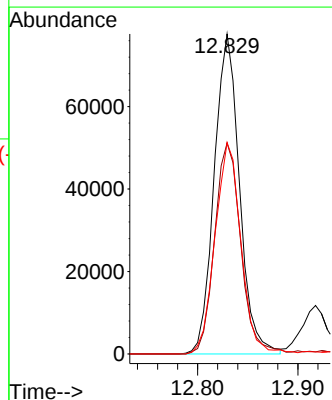
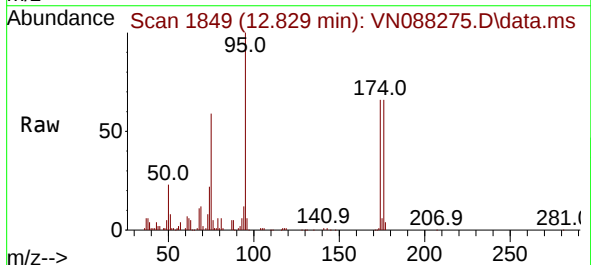
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

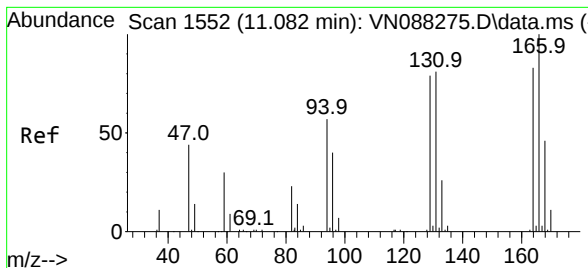
Tgt Ion: 43 Resp: 399715  
Ion Ratio Lower Upper  
43 100  
58 51.2 41.0 61.4  
57 18.0 14.4 21.6



#60  
4-Bromofluorobenzene  
Concen: 30.014 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 95 Resp: 135914  
Ion Ratio Lower Upper  
95 100  
174 68.1 54.5 81.7  
176 67.2 53.8 80.6

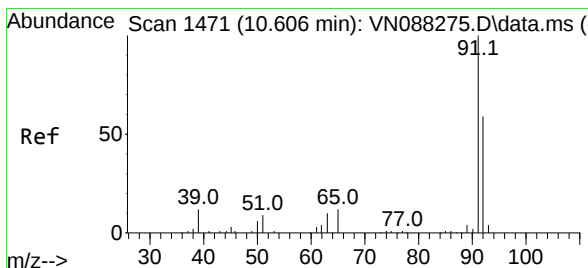
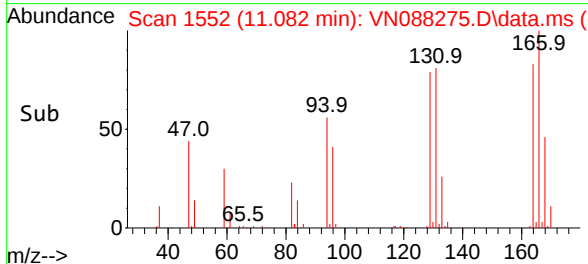
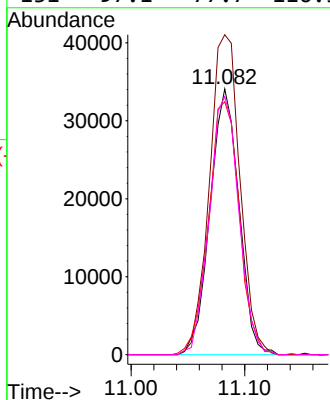
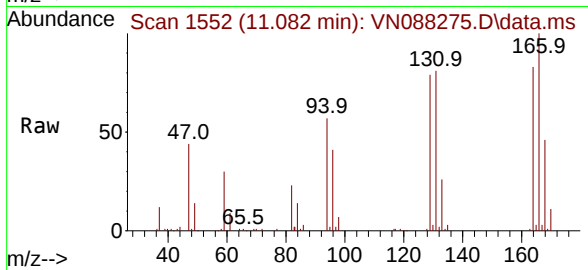




#61  
Tetrachloroethene  
Concen: 21.314 ug/l  
RT: 11.082 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

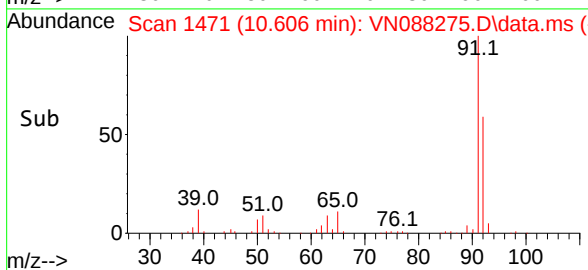
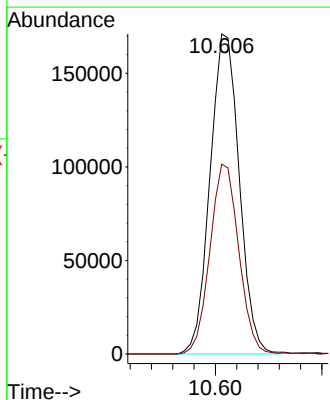
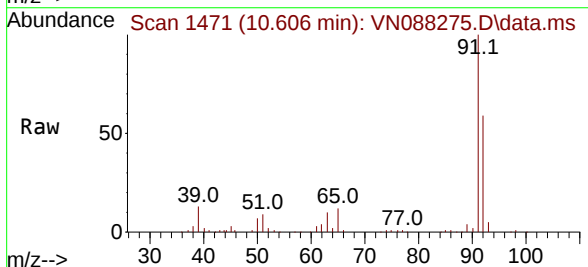
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MSVOA\_N  
ClientSampleId :  
VSTDICCC020

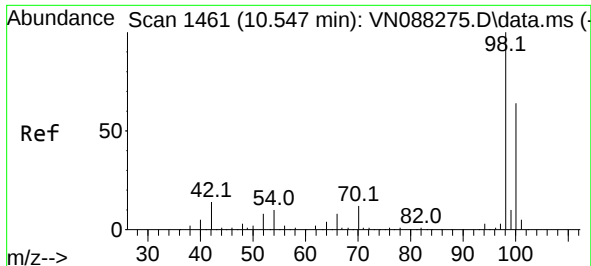
Tgt Ion:164 Resp: 60224  
Ion Ratio Lower Upper  
164 100  
166 120.4 96.3 144.5  
129 95.2 76.2 114.2  
131 97.1 77.7 116.5



#62  
Toluene  
Concen: 20.699 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 91 Resp: 325793  
Ion Ratio Lower Upper  
91 100  
92 58.4 46.7 70.1

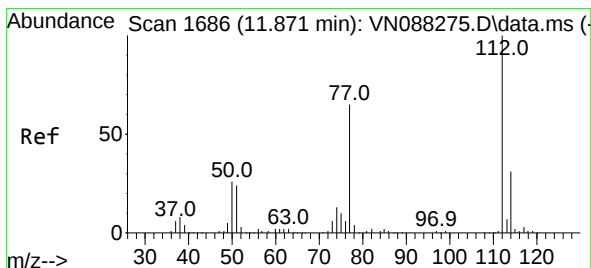
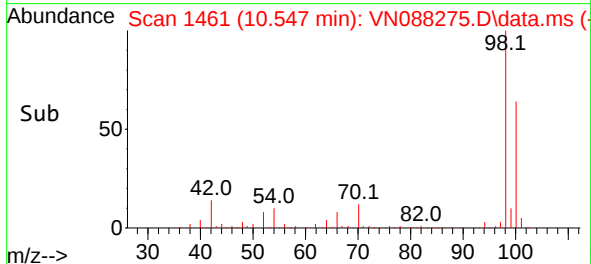
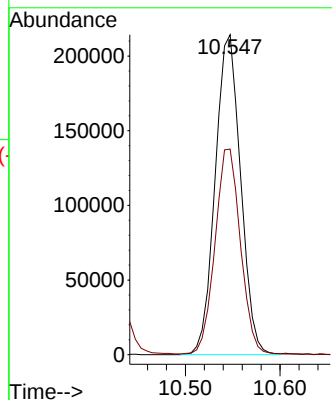
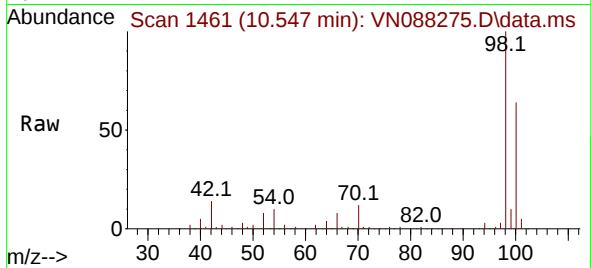




#63  
Toluene-d8  
Concen: 32.118 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

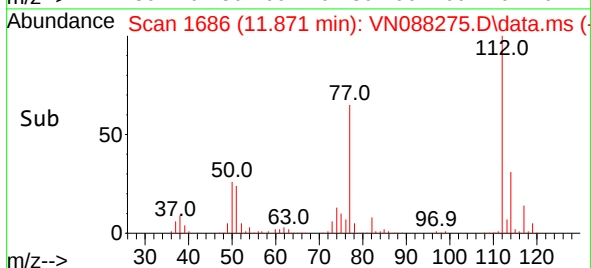
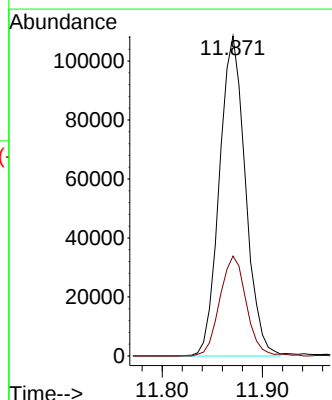
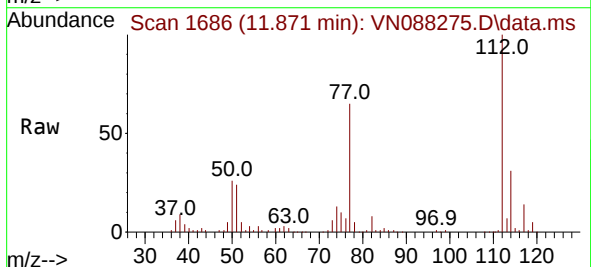
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

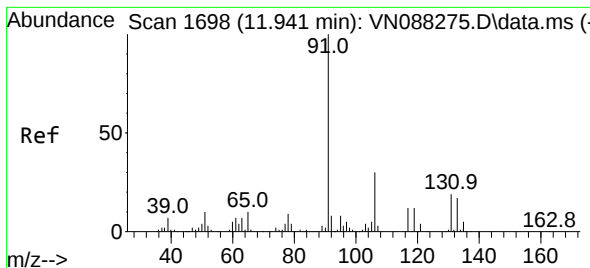
Tgt Ion: 98 Resp: 400066  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.6 77.4



#64  
Chlorobenzene  
Concen: 19.673 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 112 Resp: 195311  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.0 37.4

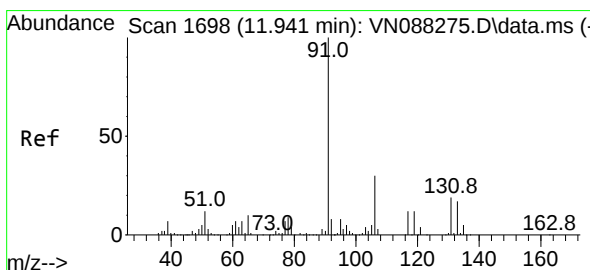
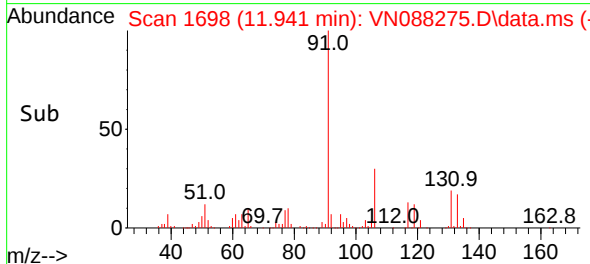
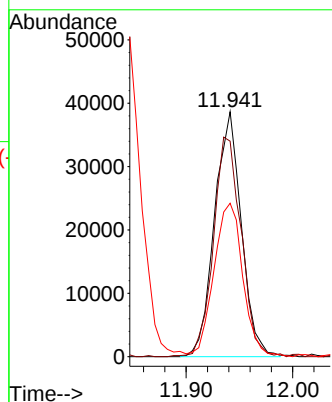
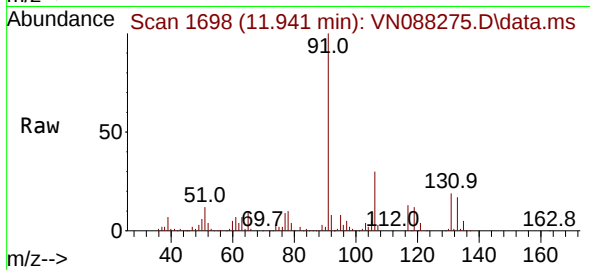




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 19.855 ug/l  
 RT: 11.941 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

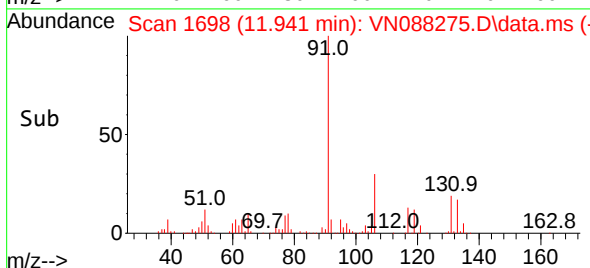
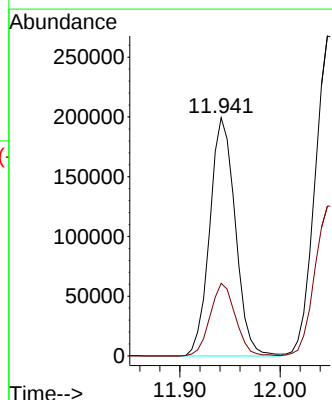
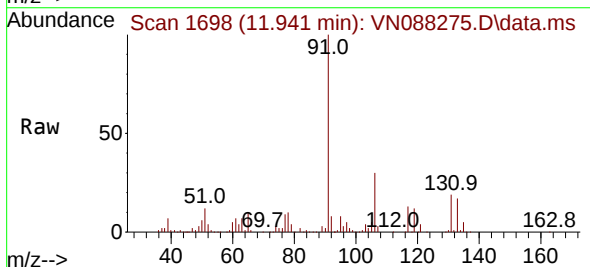
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

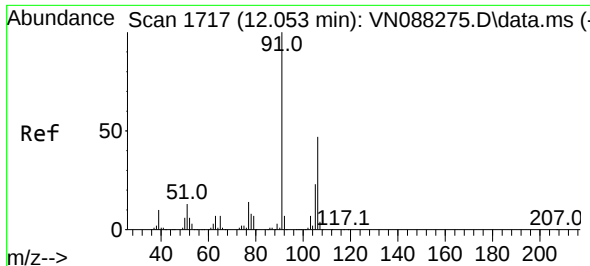
Tgt Ion:131 Resp: 67699  
 Ion Ratio Lower Upper  
 131 100  
 133 90.7 0.0 181.4  
 119 67.5 0.0 135.0



#66  
 Ethyl Benzene  
 Concen: 20.628 ug/l  
 RT: 11.941 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 91 Resp: 353168  
 Ion Ratio Lower Upper  
 91 100  
 106 30.5 24.4 36.6

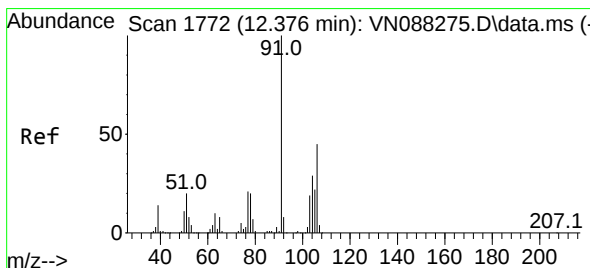
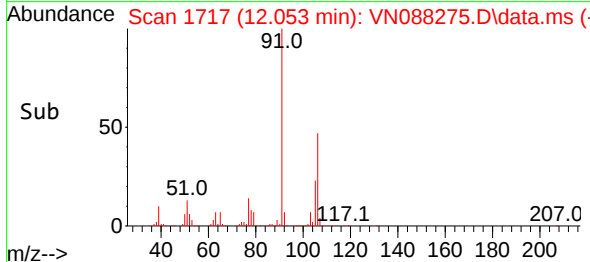
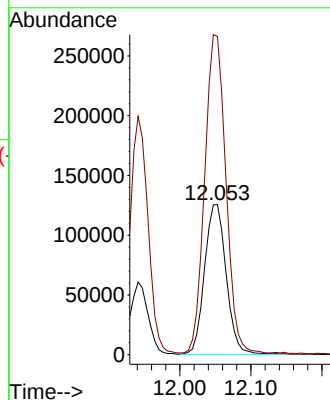
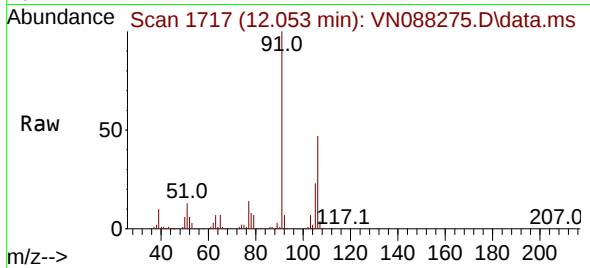




#67  
m/p-Xylenes  
Concen: 40.436 ug/l  
RT: 12.053 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

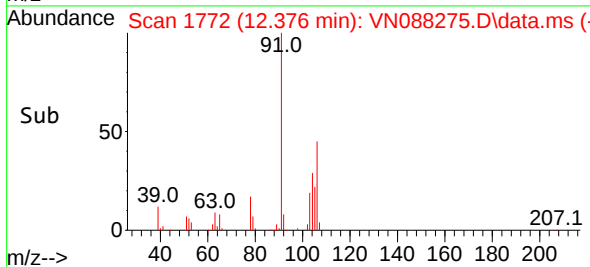
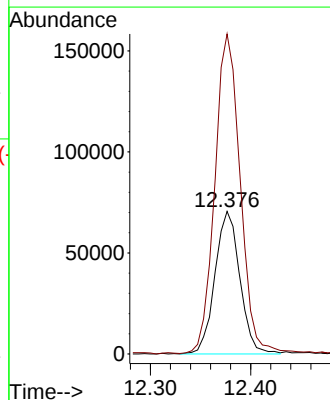
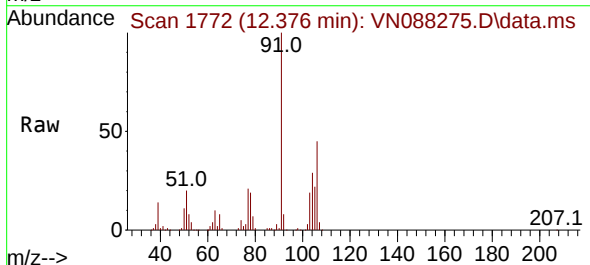
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

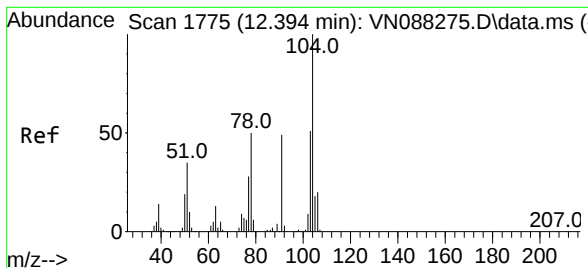
Tgt Ion:106 Resp: 265069  
Ion Ratio Lower Upper  
106 100  
91 210.4 168.3 252.5



#68  
o-Xylene  
Concen: 18.975 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion:106 Resp: 121940  
Ion Ratio Lower Upper  
106 100  
91 228.0 114.0 342.0





#69

Styrene

Concen: 19.012 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

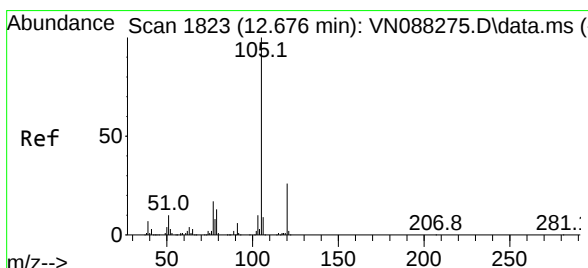
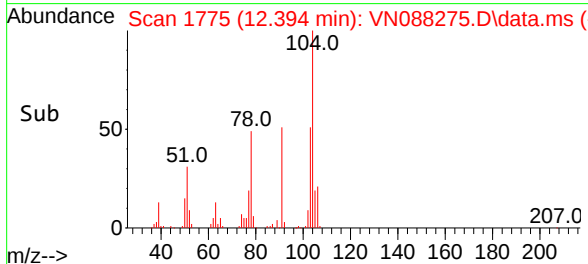
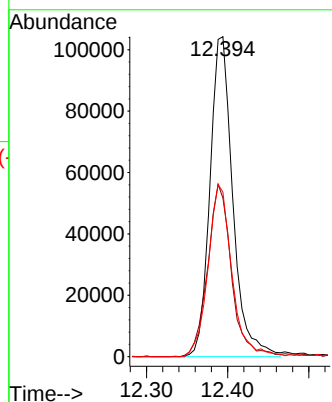
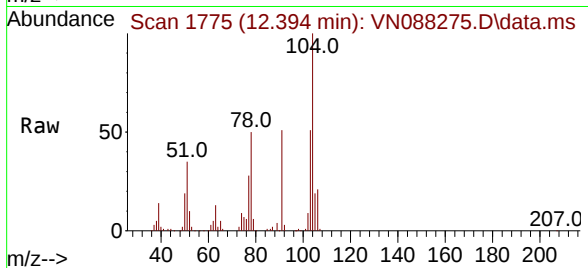
Tgt Ion:104 Resp: 204002

Ion Ratio Lower Upper

104 100

78 54.8 43.8 65.8

103 56.0 44.8 67.2



#70

Isopropylbenzene

Concen: 20.485 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN088275.D

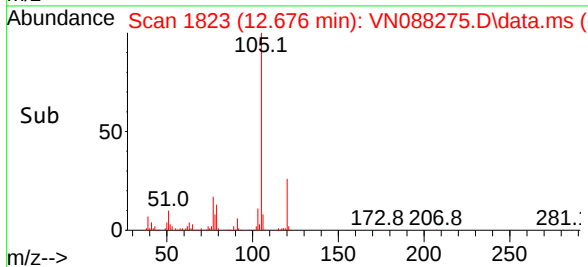
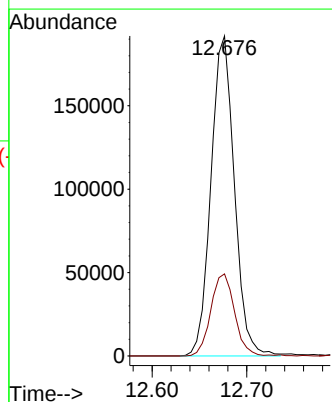
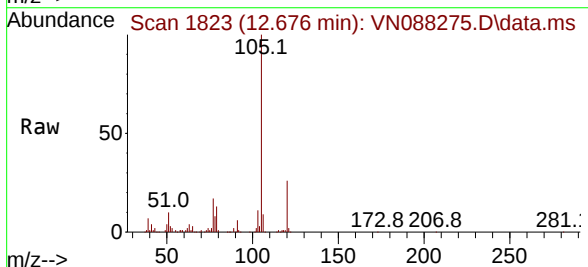
Acq: 13 Nov 2025 10:47

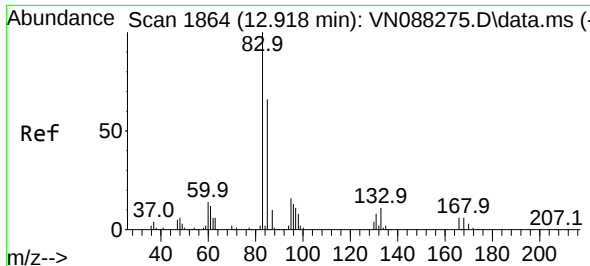
Tgt Ion:105 Resp: 329705

Ion Ratio Lower Upper

105 100

120 26.0 18.2 33.8

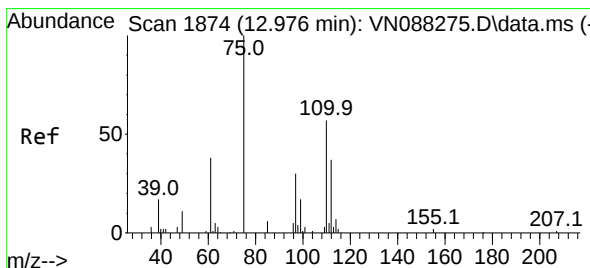
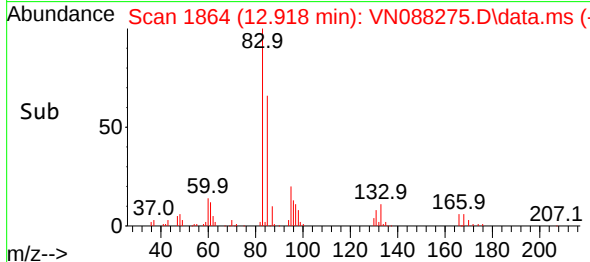
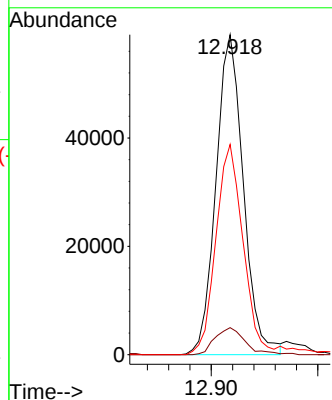
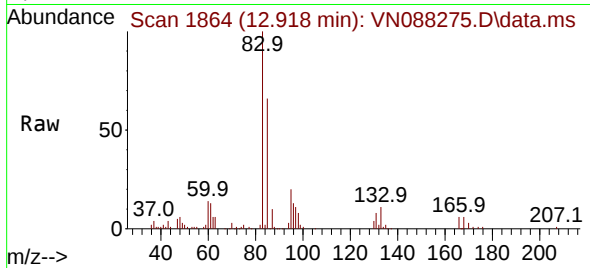




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.550 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

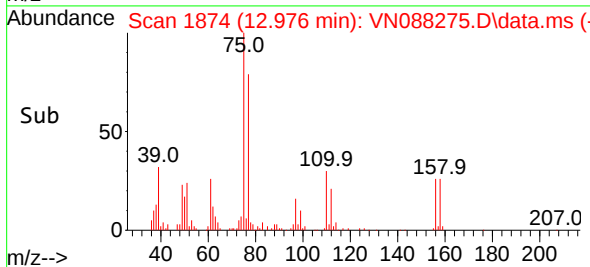
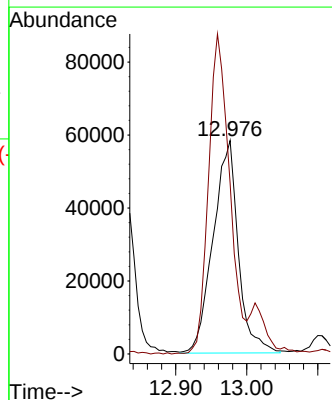
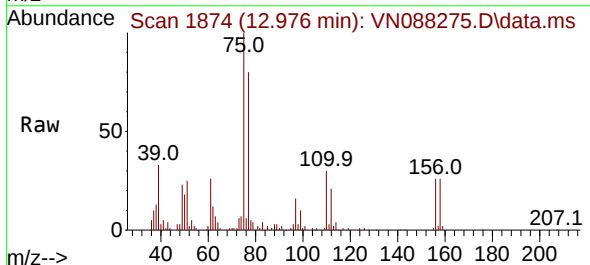
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 ClientSampleId :  
 VSTDICCC020

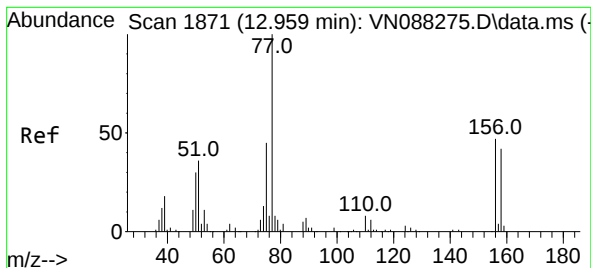
Tgt Ion: 83 Resp: 105470  
 Ion Ratio Lower Upper  
 83 100  
 131 8.6 4.3 12.9  
 85 64.8 32.4 97.2



#72  
 1,2,3-Trichloropropane  
 Concen: 28.591 ug/l  
 RT: 12.976 min Scan# 1874  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion: 75 Resp: 143173  
 Ion Ratio Lower Upper  
 75 100  
 77 126.0 0.0 386.6





#73

Bromobenzene

Concen: 19.023 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

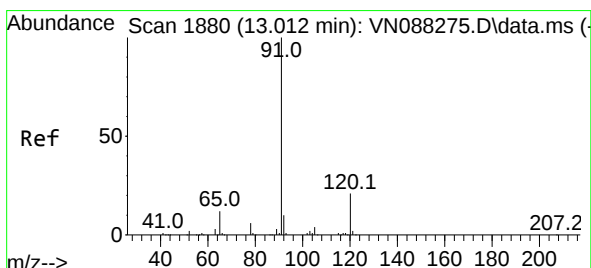
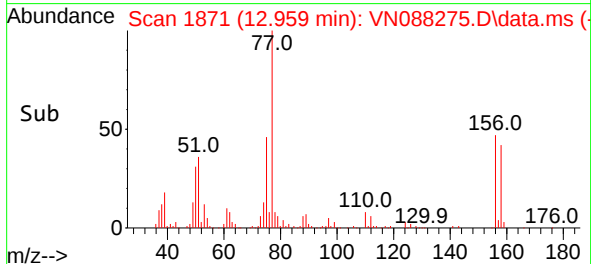
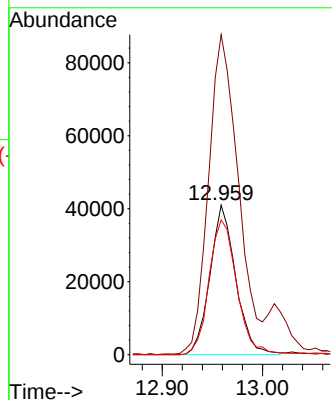
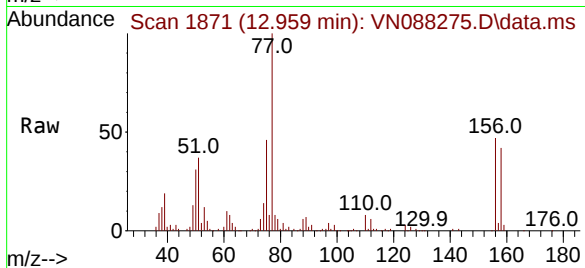
Tgt Ion:156 Resp: 73152

Ion Ratio Lower Upper

156 100

77 246.7 0.0 493.4

158 96.7 0.0 193.4



#74

n-propylbenzene

Concen: 20.952 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VN088275.D

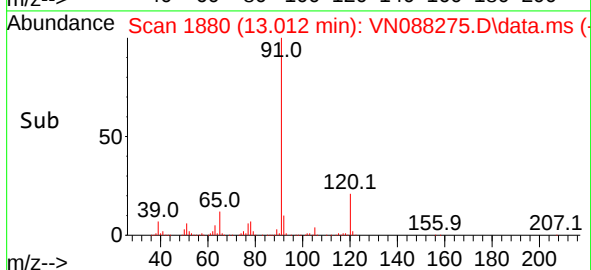
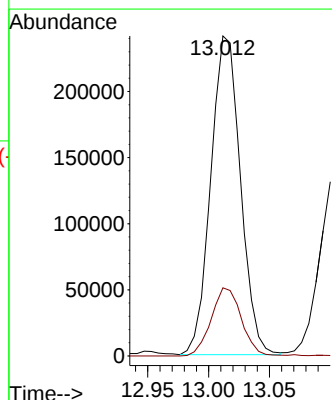
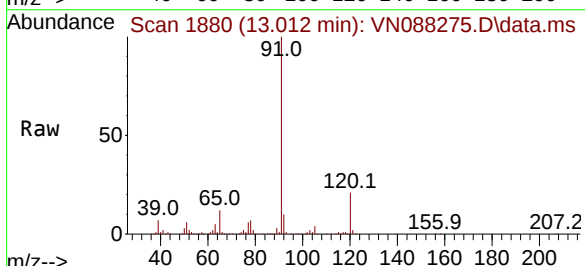
Acq: 13 Nov 2025 10:47

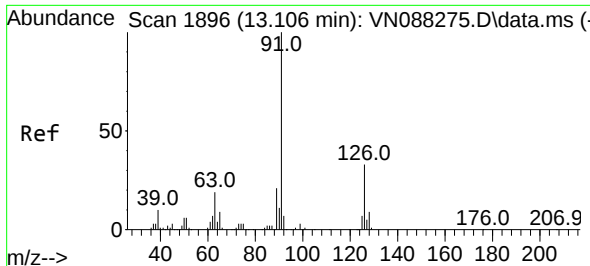
Tgt Ion: 91 Resp: 409616

Ion Ratio Lower Upper

91 100

120 21.7 0.0 43.2

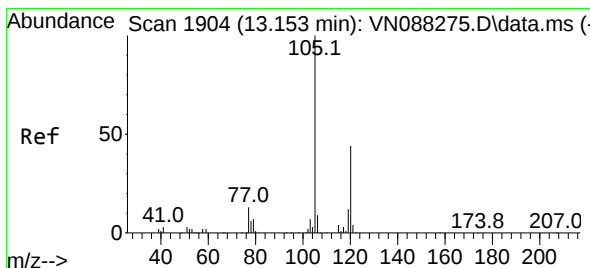
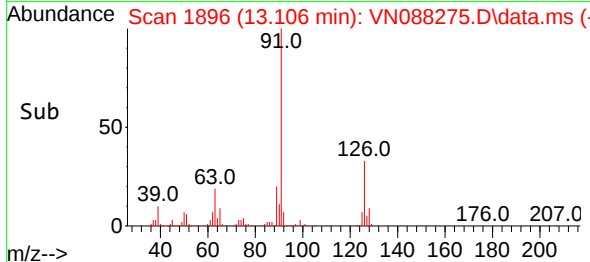
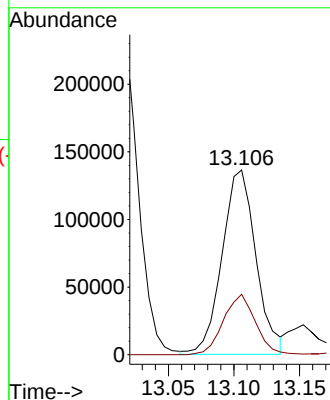
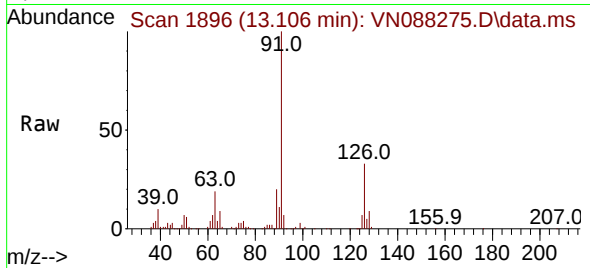




#75  
2-Chlorotoluene  
Concen: 20.611 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

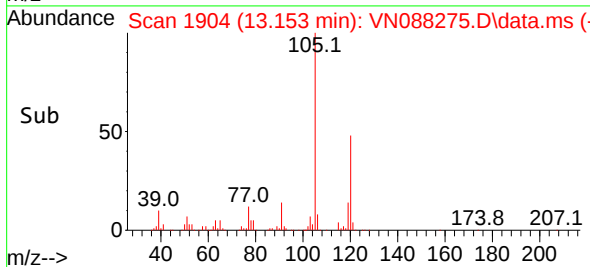
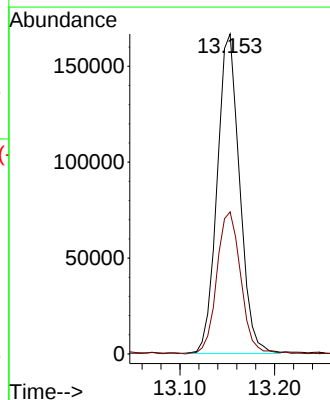
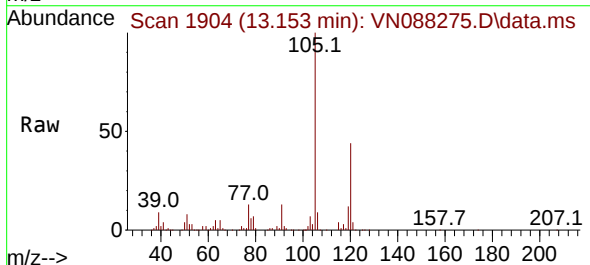
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

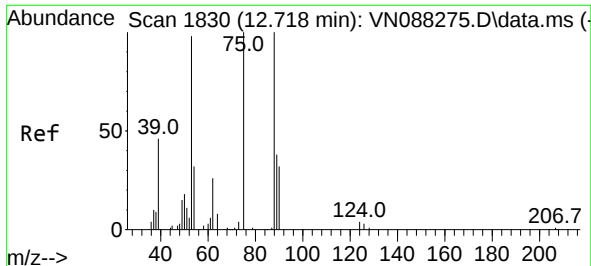
Tgt Ion: 91 Resp: 245108  
Ion Ratio Lower Upper  
91 100  
126 31.0 0.0 62.0



#76  
1,3,5-Trimethylbenzene  
Concen: 20.196 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 105 Resp: 274988  
Ion Ratio Lower Upper  
105 100  
120 47.3 0.0 94.6

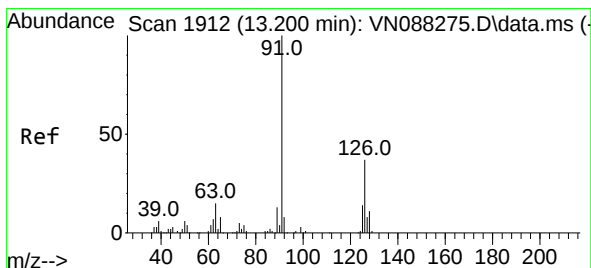
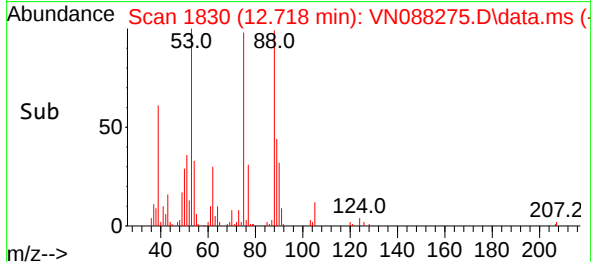
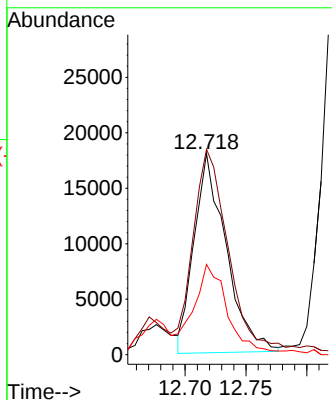
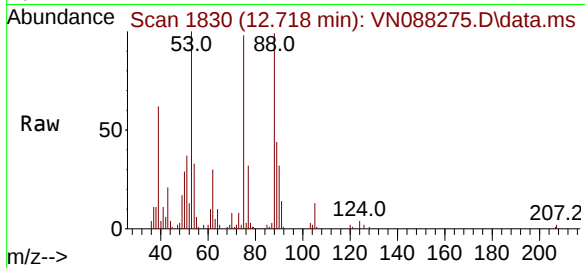




#77  
t-1,4-Dichloro-2-butene  
Concen: 16.660 ug/l  
RT: 12.718 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

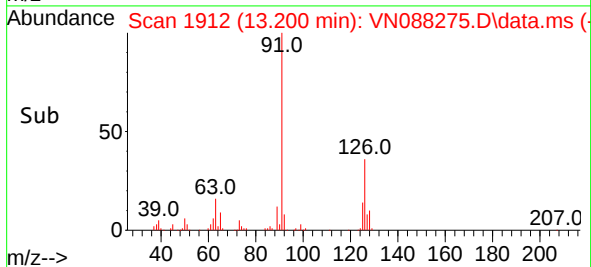
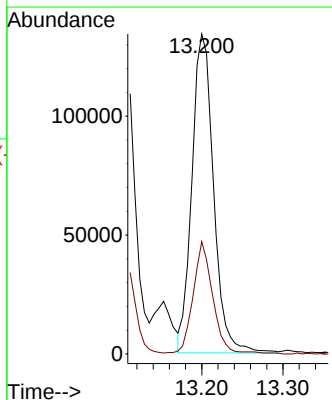
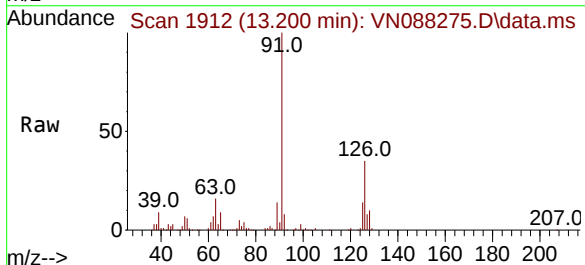
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

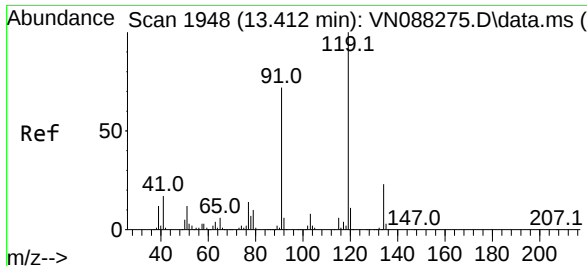
Tgt Ion: 75 Resp: 32812  
Ion Ratio Lower Upper  
75 100  
53 100.0 50.0 150.0  
89 44.6 22.3 66.9



#78  
4-Chlorotoluene  
Concen: 20.636 ug/l  
RT: 13.200 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 91 Resp: 249260  
Ion Ratio Lower Upper  
91 100  
126 30.4 0.0 60.8

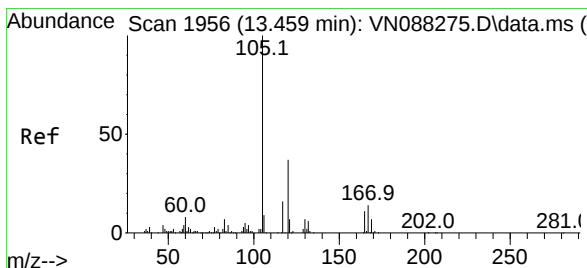
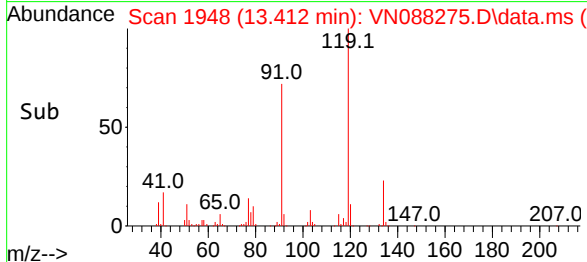
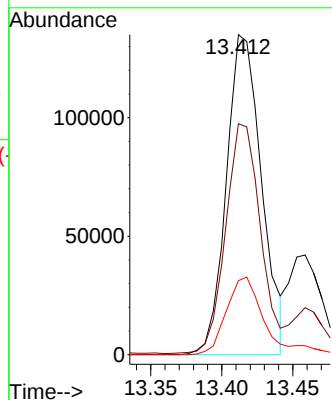
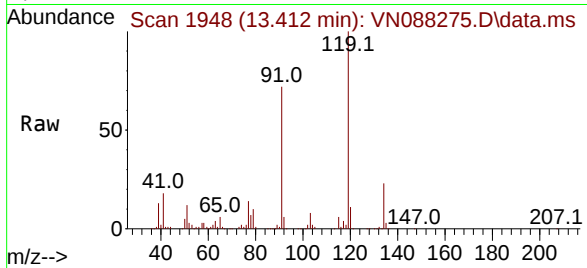




#79  
tert-butylbenzene  
Concen: 19.912 ug/l  
RT: 13.412 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

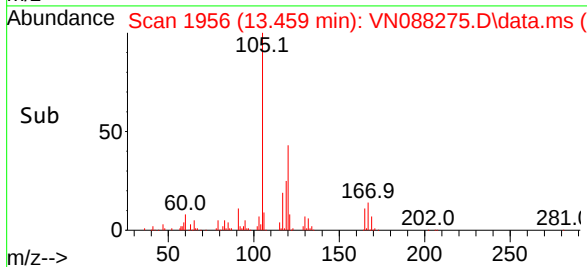
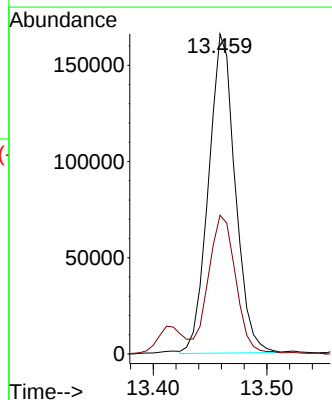
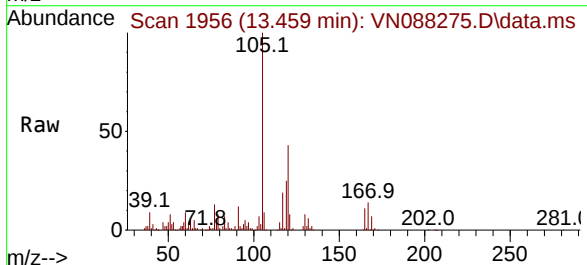
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

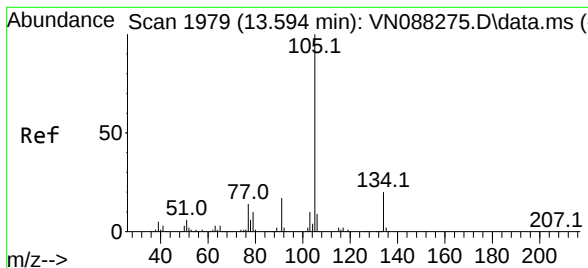
Tgt Ion:119 Resp: 233396  
Ion Ratio Lower Upper  
119 100  
91 70.6 0.0 140.8  
134 24.2 0.0 48.4



#80  
1,2,4-Trimethylbenzene  
Concen: 19.918 ug/l  
RT: 13.459 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion:105 Resp: 270223  
Ion Ratio Lower Upper  
105 100  
120 44.6 0.0 89.2

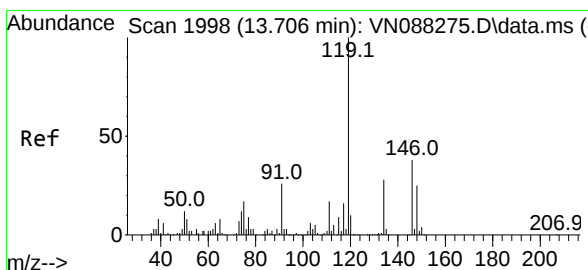
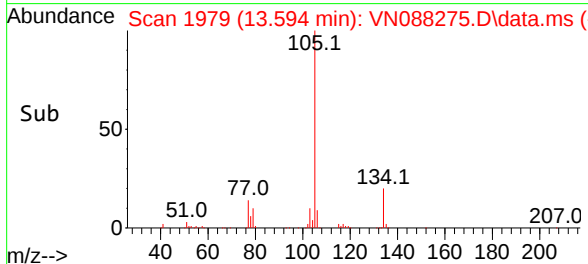
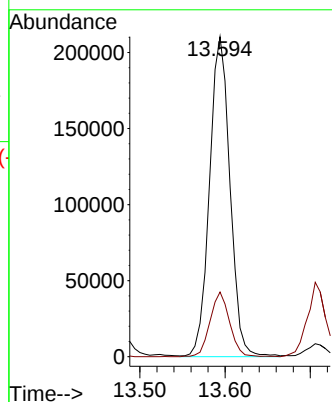
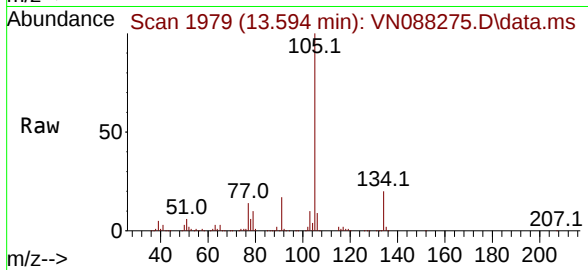




#81  
 sec-Butylbenzene  
 Concen: 21.009 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

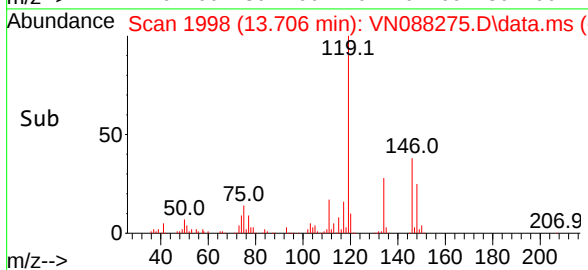
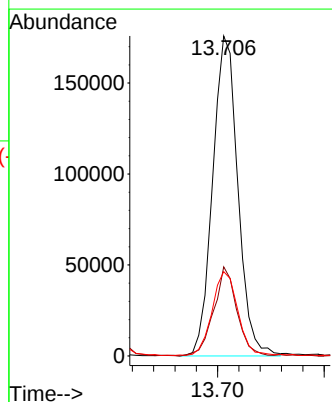
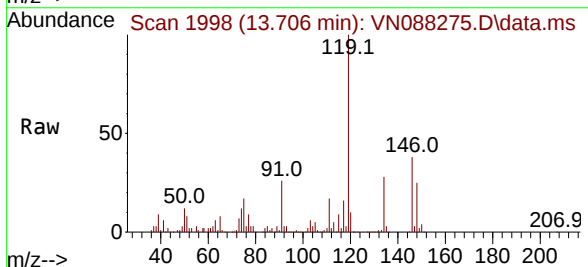
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

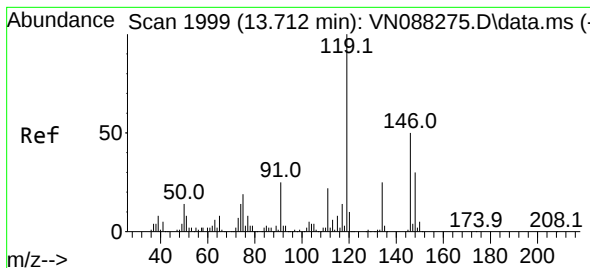
Tgt Ion:105 Resp: 351400  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 0.0 38.4



#82  
 p-Isopropyltoluene  
 Concen: 20.375 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN088275.D  
 Acq: 13 Nov 2025 10:47

Tgt Ion:119 Resp: 288563  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 0.0 51.2  
 91 26.7 0.0 53.4





#83

1,3-Dichlorobenzene

Concen: 19.906 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

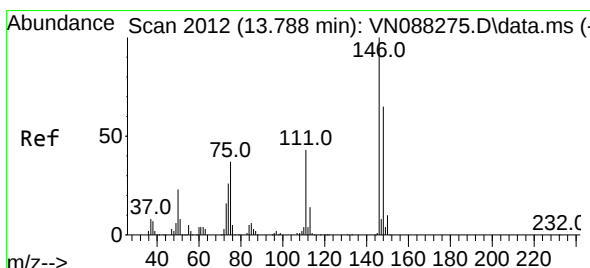
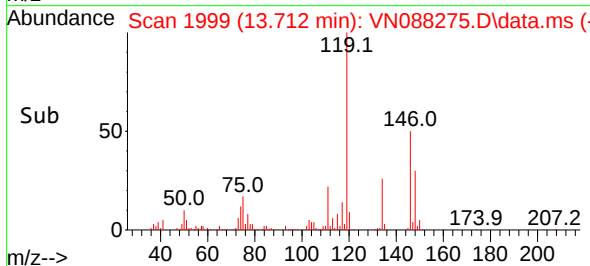
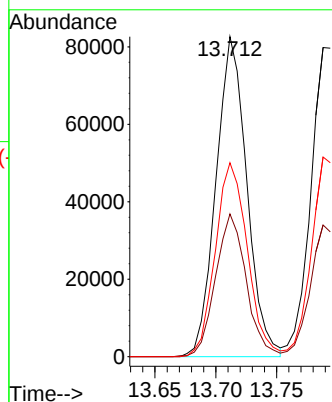
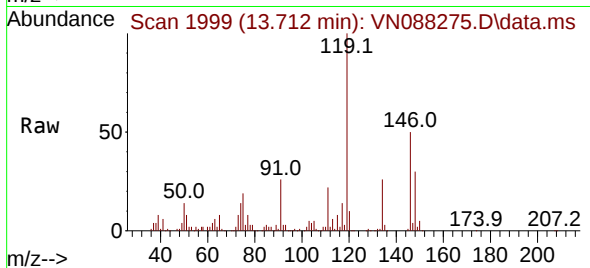
Tgt Ion:146 Resp: 145695

Ion Ratio Lower Upper

146 100

111 44.3 22.1 66.5

148 62.9 31.4 94.3



#84

1,4-Dichlorobenzene

Concen: 19.240 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

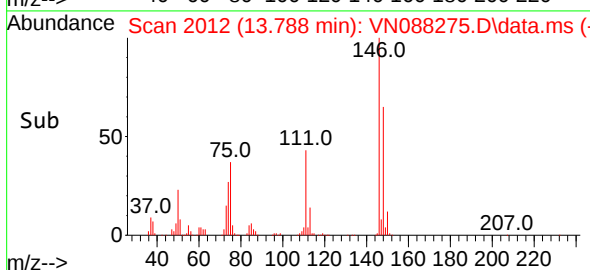
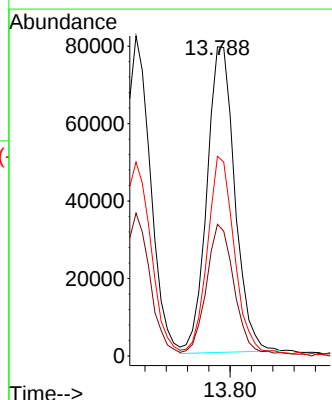
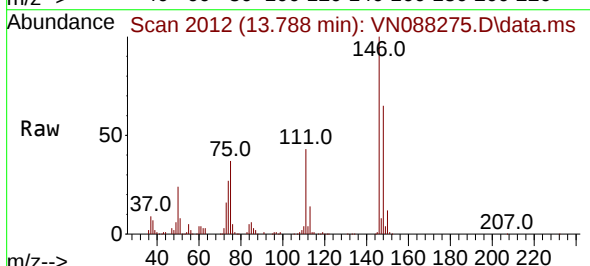
Tgt Ion:146 Resp: 143865

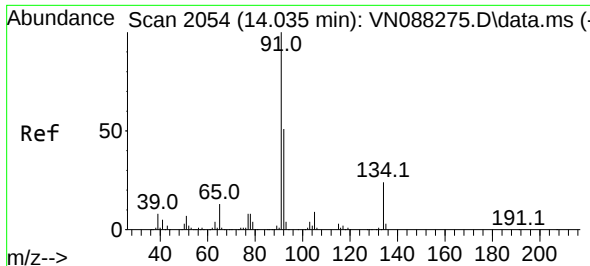
Ion Ratio Lower Upper

146 100

111 43.5 21.8 65.3

148 63.7 31.9 95.5

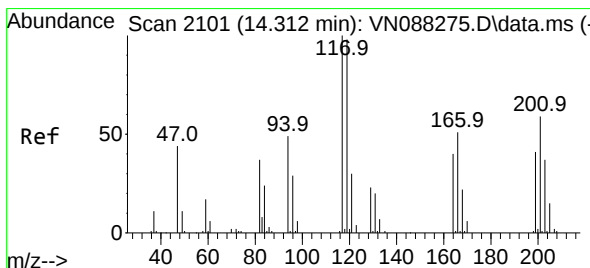
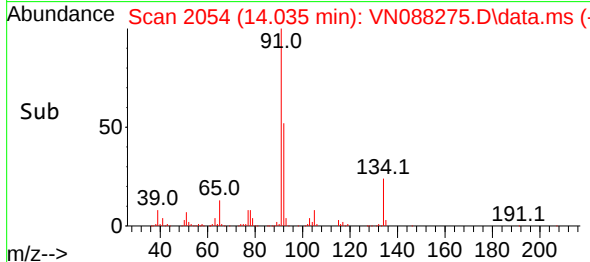
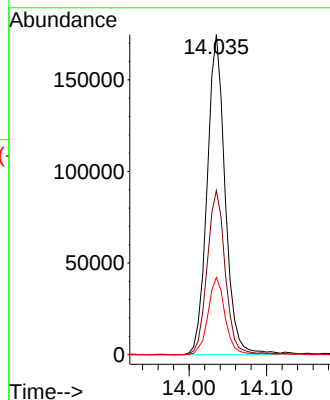
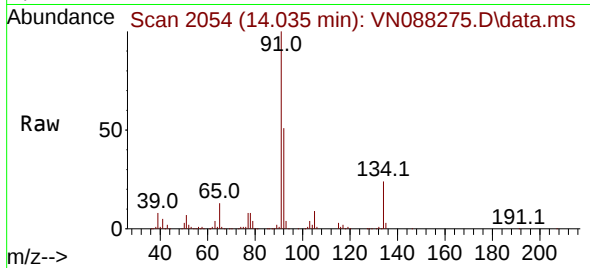




#85  
n-Butylbenzene  
Concen: 21.176 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

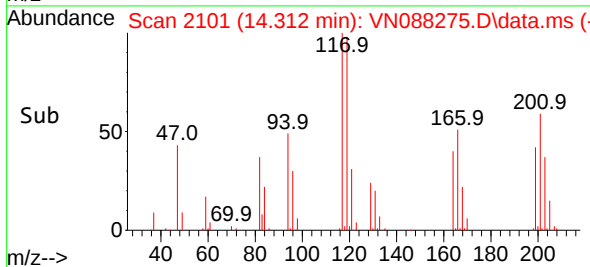
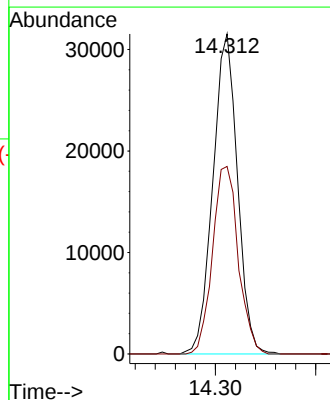
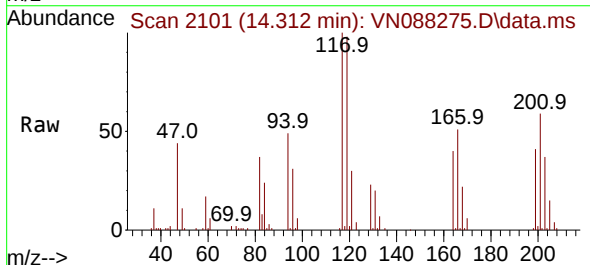
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

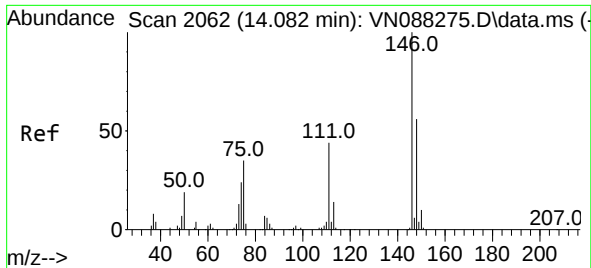
Tgt Ion: 91 Resp: 281860  
Ion Ratio Lower Upper  
91 100  
92 51.2 0.0 102.4  
134 22.9 0.0 45.8



#86  
Hexachloroethane  
Concen: 19.135 ug/l  
RT: 14.312 min Scan# 2101  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 117 Resp: 53696  
Ion Ratio Lower Upper  
117 100  
201 61.3 30.6 92.0

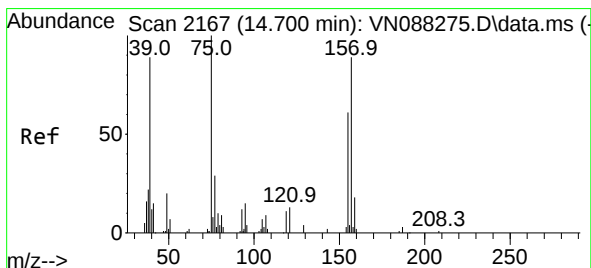
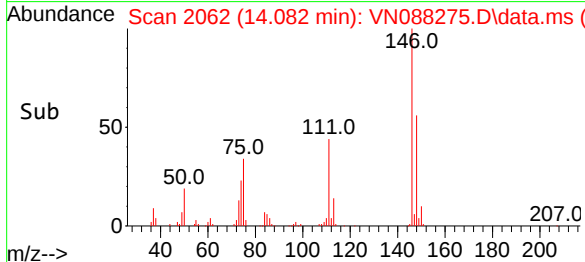
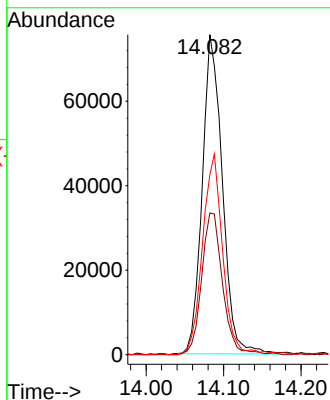
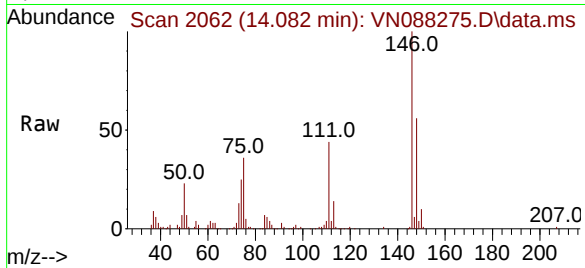




#87  
1,2-Dichlorobenzene  
Concen: 19.098 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

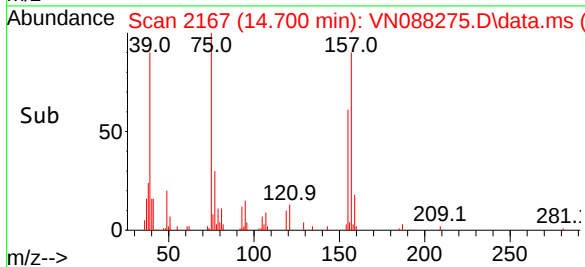
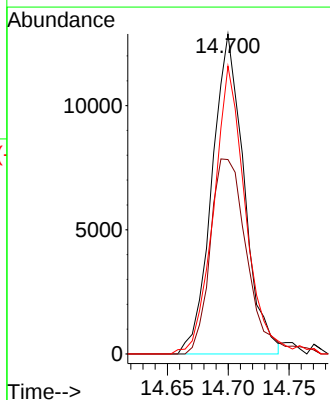
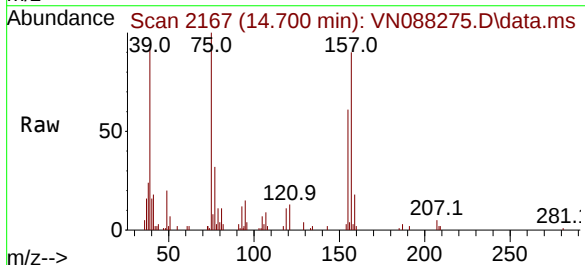
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

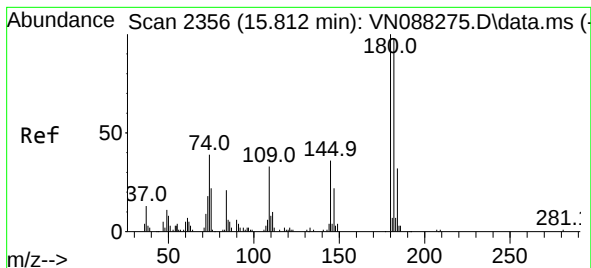
Tgt Ion:146 Resp: 136306  
Ion Ratio Lower Upper  
146 100  
111 46.0 23.0 69.0  
148 62.1 31.1 93.2



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 19.344 ug/l  
RT: 14.700 min Scan# 2167  
Delta R.T. 0.000 min  
Lab File: VN088275.D  
Acq: 13 Nov 2025 10:47

Tgt Ion: 75 Resp: 23631  
Ion Ratio Lower Upper  
75 100  
155 68.5 54.8 82.2  
157 88.4 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 17.714 ug/l

RT: 15.812 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

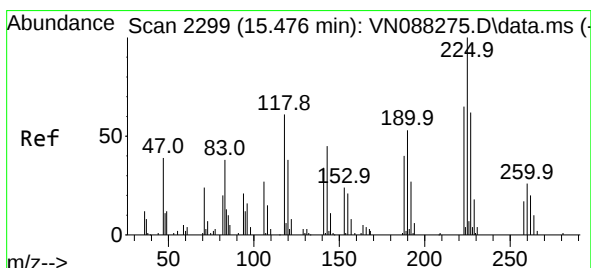
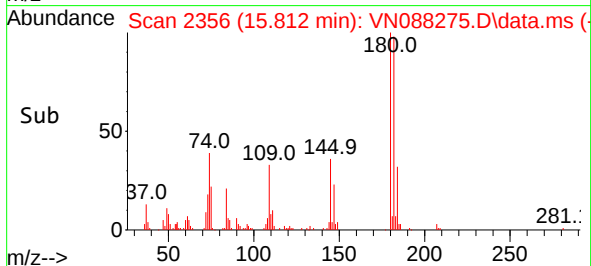
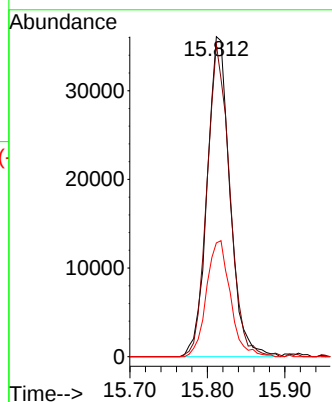
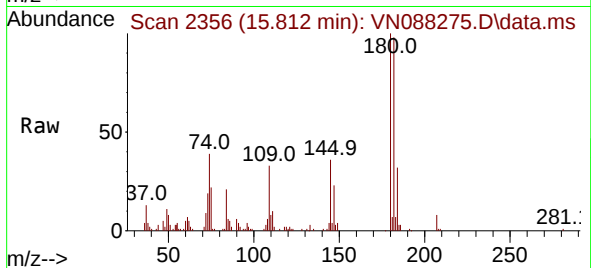
Tgt Ion:180 Resp: 73982

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 37.8 30.2 45.4



#90

Hexachlorobutadiene

Concen: 20.112 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

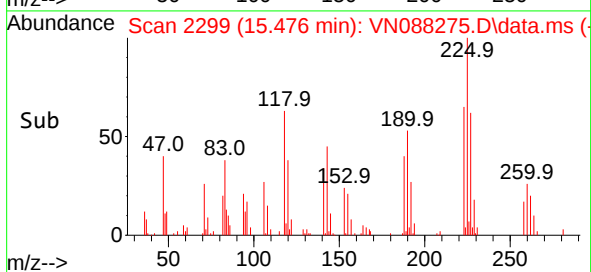
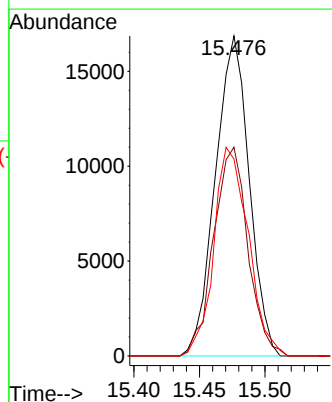
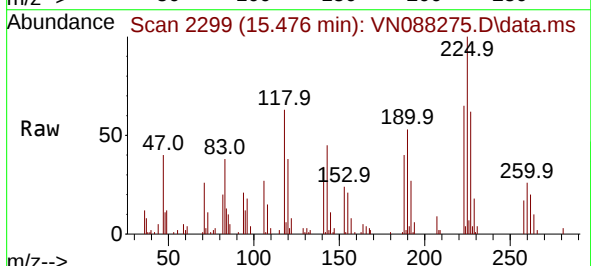
Tgt Ion:225 Resp: 30294

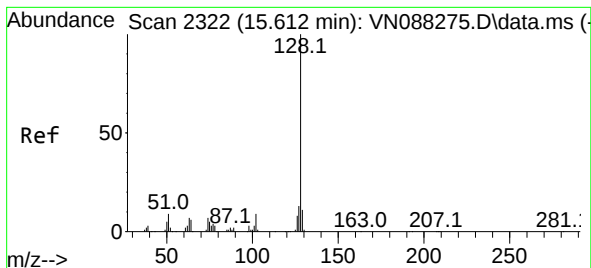
Ion Ratio Lower Upper

225 100

223 66.0 0.0 132.0

227 66.3 0.0 132.6





#91

Naphthalene

Concen: 17.329 ug/l

RT: 15.612 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

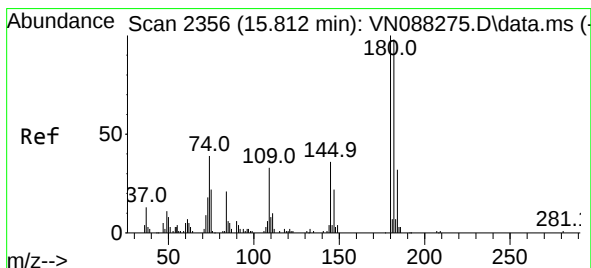
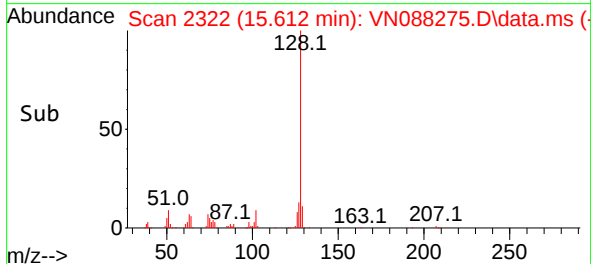
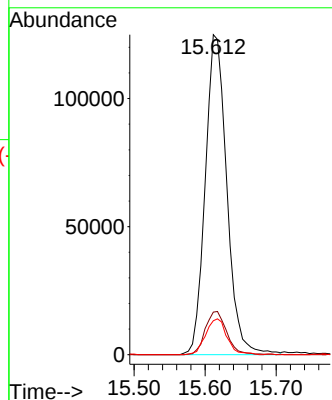
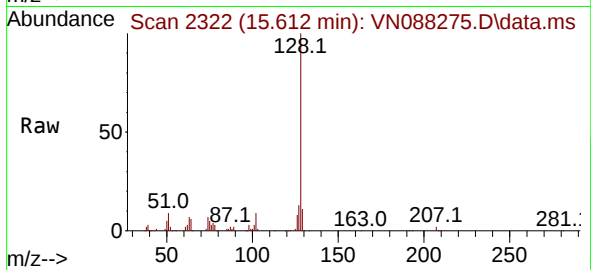
Tgt Ion:128 Resp: 264153

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.0 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 17.714 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN088275.D

Acq: 13 Nov 2025 10:47

Tgt Ion:180 Resp: 73982

Ion Ratio Lower Upper

180 100

182 96.6 0.0 193.2

145 37.8 0.0 75.6

