

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031725\  
 Data File : VL042152.D  
 Acq On : 17 Mar 2025 11:38  
 Operator : SY/MD  
 Sample : VL0317ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

Quant Time: Mar 18 01:22:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Feb 26 01:08:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.800 | 49   | 168331   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.975 | 114  | 405507   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.901 | 117  | 339099   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.393 | 95    | 282890   | 10.844   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 108.400% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 180681 | 10.322 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 219701 | 8.980  | ppbv   | 100    |
| 4) Chloromethane              | 1.538 | 50  | 71134  | 10.989 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.586 | 62  | 68001  | 11.106 | ppbv   | 99     |
| 6) Bromomethane               | 1.674 | 94  | 32244  | 11.059 | ppbv   | 97     |
| 7) Chloroethane               | 1.709 | 64  | 26575  | 10.682 | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 152871 | 10.624 | ppbv   | 100    |
| 9) Propene                    | 1.489 | 41  | 87265  | 8.756  | ppbv   | 99     |
| 10) Heptane                   | 5.004 | 43  | 250401 | 8.069  | ppbv   | 97     |
| 11) Trichlorofluoromethane    | 1.884 | 101 | 193415 | 11.028 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146 | 101 | 142239 | 10.167 | ppbv   | 96     |
| 13) Ethanol                   | 1.729 | 45  | 6589   | 10.414 | ppbv   | 100    |
| 14) Bromoethene               | 1.787 | 108 | 53682  | 10.866 | ppbv   | 99     |
| 15) Acetone                   | 1.842 | 43  | 153734 | 10.342 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.615 | 39  | 73596  | 10.638 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.049 | 59  | 168888 | 9.081  | ppbv   | 97     |
| 18) 1,1-Dichloroethene        | 2.043 | 96  | 64186  | 10.153 | ppbv   | 92     |
| 19) Isopropyl Alcohol         | 1.894 | 45  | 87101  | 10.200 | ppbv   | 93     |
| 20) Methylene Chloride        | 2.068 | 84  | 69871  | 12.426 | ppbv   | 97     |
| 21) Allyl Chloride            | 2.104 | 41  | 107619 | 10.020 | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.350 | 96  | 70469  | 9.562  | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.473 | 43  | 86073  | 8.235  | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.418 | 63  | 136457 | 9.951  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.848 | 43  | 522277 | 8.777  | ppbv   | 99     |
| 26) Hexane                    | 2.836 | 57  | 219929 | 9.143  | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.159 | 76  | 170724 | 10.470 | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 2.450 | 73  | 96989  | 8.099  | ppbv   | 98     |
| 29) Chloroform                | 2.861 | 83  | 279316 | 8.627  | ppbv   | 98     |
| 30) Cyclohexane               | 3.871 | 84  | 153350 | 7.854  | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 2.732 | 61  | 175002 | 7.685  | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.382 | 97  | 252623 | 8.044  | ppbv   | 96     |
| 34) 2-Butanone                | 2.567 | 43  | 285475 | 9.036  | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 3.777 | 117 | 263308 | 9.416  | ppbv   | 97     |
| 36) Benzene                   | 3.671 | 78  | 368780 | 8.687  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.230 | 62  | 205805 | 8.744  | ppbv   | 99     |
| 38) Trichloroethene           | 4.570 | 130 | 141107 | 8.140  | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 4.334 | 63  | 138287 | 8.583  | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.609 | 88  | 62727  | 8.528  | ppbv # | 98     |
| 41) Tetrahydrofuran           | 3.069 | 42  | 158737 | 8.504  | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.512 | 83  | 284311 | 8.966  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.910 | 69  | 132841 | 8.013  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.661 | 57  | 662648 | 8.845  | ppbv   | 97     |
| 45) t-1,3-Dichloropropene     | 6.441 | 75  | 120373 | 7.308  | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031725\  
 Data File : VL042152.D  
 Acq On : 17 Mar 2025 11:38  
 Operator : SY/MD  
 Sample : VL0317ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

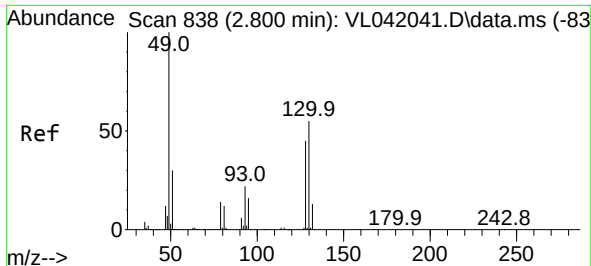
Quant Time: Mar 18 01:22:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Feb 26 01:08:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.629  | 75   | 168060   | 7.885  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 6.606  | 97   | 145834   | 8.915  | ppbv   | 97       |
| 48) Dibromochloromethane      | 7.412  | 129  | 224861   | 8.777  | ppbv   | 98       |
| 49) Bromoform                 | 9.500  | 173  | 203574   | 9.150  | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.781  | 43   | 378000   | 9.252  | ppbv   | 97       |
| 51) 2-Hexanone                | 7.461  | 43   | 289813   | 10.306 | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.244  | 164  | 121217   | 8.341  | ppbv   | 97       |
| 53) Toluene                   | 6.959  | 91   | 380447   | 8.019  | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.674  | 107  | 187462   | 8.477  | ppbv   | 90       |
| 56) 1,1,1,2-Tetrachloroethane | 8.943  | 131  | 183855   | 9.593  | ppbv   | 100      |
| 57) Chlorobenzene             | 8.940  | 112  | 325825   | 9.267  | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.374  | 91   | 530577   | 8.496  | ppbv   | 99       |
| 59) m/p-Xylene                | 9.548  | 91   | 464619   | 9.349  | ppbv # | 100      |
| 60) o-Xylene                  | 9.982  | 91   | 457063   | 9.148  | ppbv   | 99       |
| 61) Styrene                   | 9.888  | 104  | 195754   | 8.334  | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.555 | 105  | 674921   | 9.020  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.979  | 83   | 324554   | 9.864  | ppbv   | 99       |
| 64) n-propylbenzene           | 11.005 | 120  | 183756   | 9.363  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.545 | 119  | 624075   | 9.165  | ppbv   | 98       |
| 66) Benzyl Chloride           | 11.629 | 91   | 42782    | 8.233  | ppbv   | 97       |
| 67) sec-Butylbenzene          | 11.782 | 105  | 891362   | 9.153  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.937 | 119  | 713173   | 9.204  | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.293 | 91   | 740235   | 9.359  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.914 | 91   | 498827   | 8.648  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.141 | 105  | 553863   | 9.080  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.218 | 105  | 470478   | 8.891  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.552 | 105  | 546537   | 9.173  | ppbv   | 92       |
| 75) 1,3-Dichlorobenzene       | 11.623 | 146  | 315233   | 9.193  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.684 | 146  | 312196   | 9.170  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.960 | 146  | 313994   | 9.436  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.892 | 225  | 219764   | 8.487  | ppbv   | 99       |
| 79) Naphthalene               | 13.526 | 128  | 451423   | 11.049 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.471 | 142  | 140075   | 12.529 | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.452 | 180  | 209284   | 9.192  | ppbv   | 98       |

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

Quant Time: Mar 18 01:22:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Wed Feb 26 01:08:36 2025  
Response via : Initial Calibration

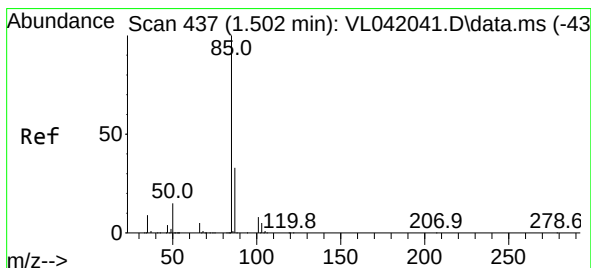
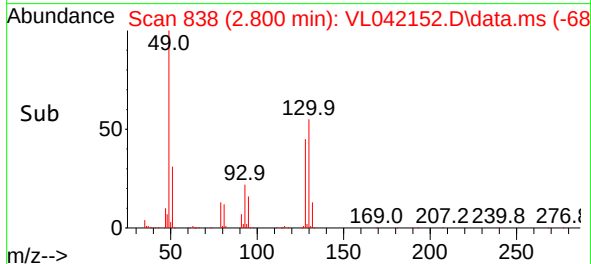
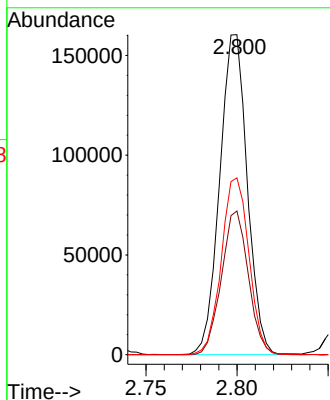
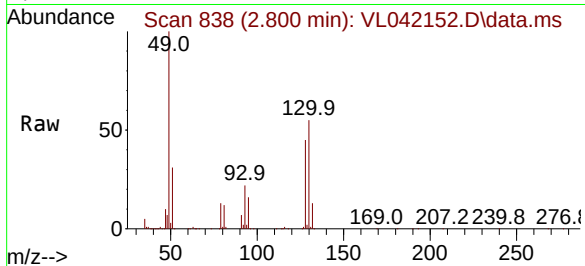




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.800 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

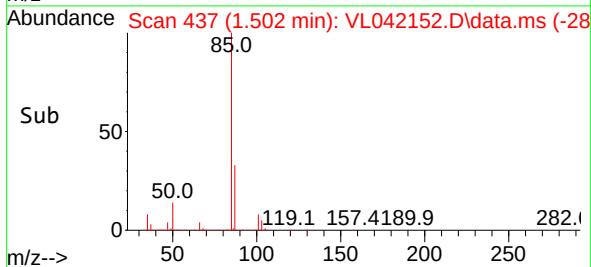
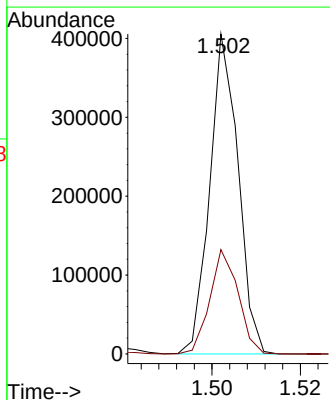
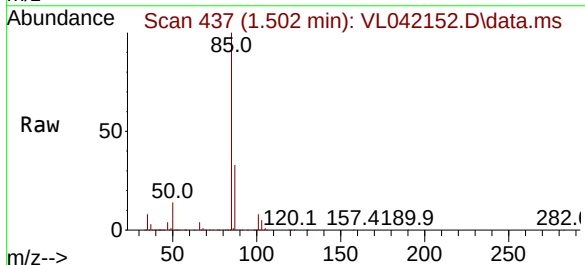
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

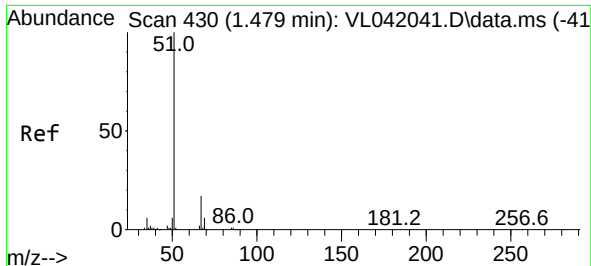
Tgt Ion: 49 Resp: 168331  
Ion Ratio Lower Upper  
49 100  
128 43.9 21.6 64.8  
130 55.3 27.8 83.4



#2  
Dichlorodifluoromethane  
Concen: 10.322 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 180681  
Ion Ratio Lower Upper  
85 100  
87 32.6 26.4 39.6

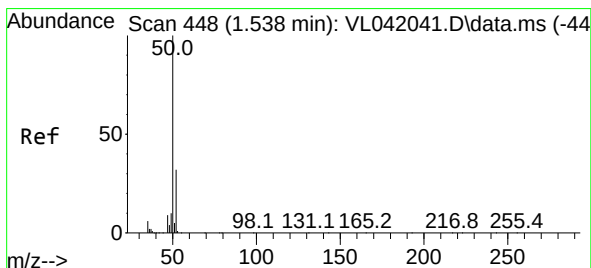
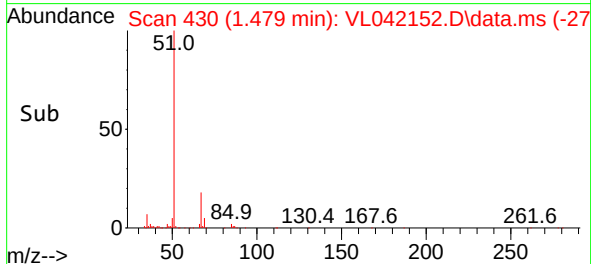
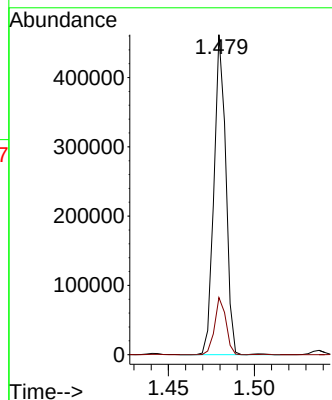
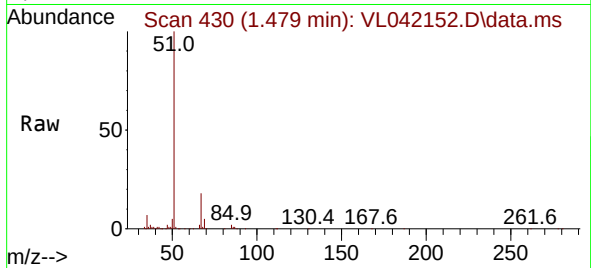




#3  
Chlorodifluoromethane  
Concen: 8.980 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

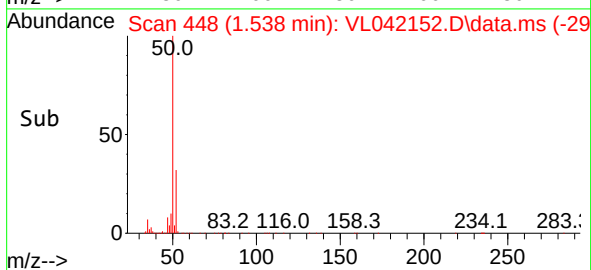
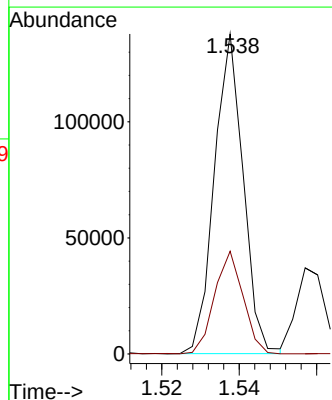
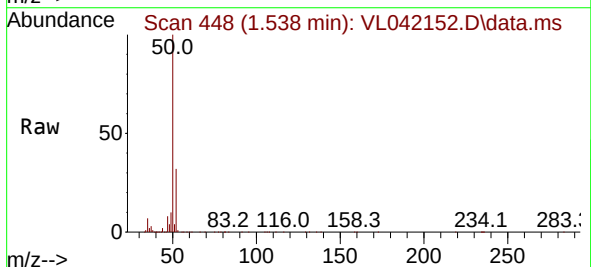
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

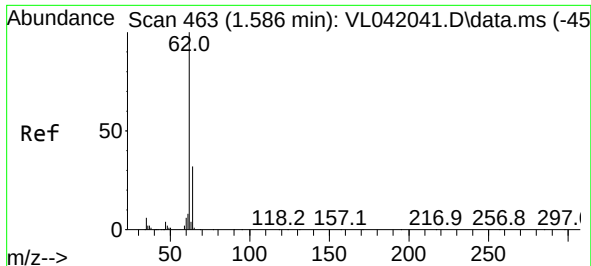
Tgt Ion: 51 Resp: 219701  
Ion Ratio Lower Upper  
51 100  
67 17.2 13.7 20.5



#4  
Chloromethane  
Concen: 10.989 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 50 Resp: 71134  
Ion Ratio Lower Upper  
50 100  
52 32.1 25.4 38.0

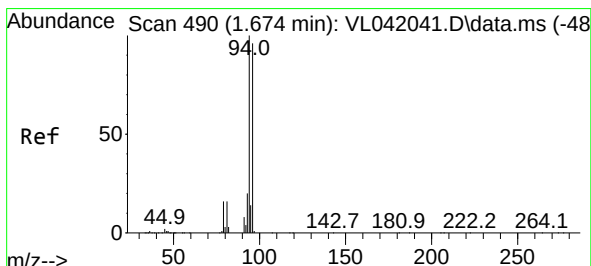
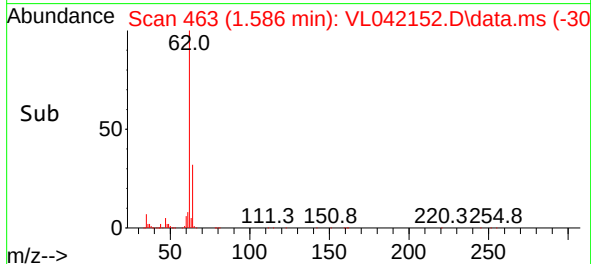
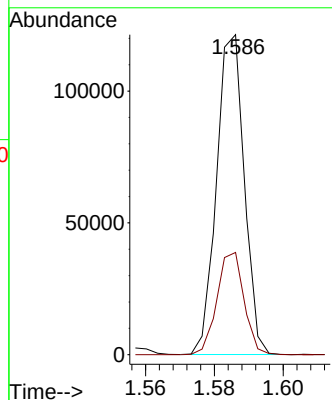
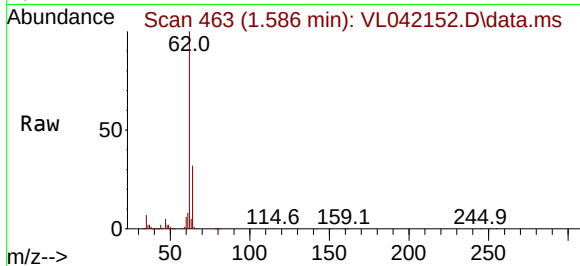




#5  
 Vinyl Chloride  
 Concen: 11.106 ppbv  
 RT: 1.586 min Scan# 463  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

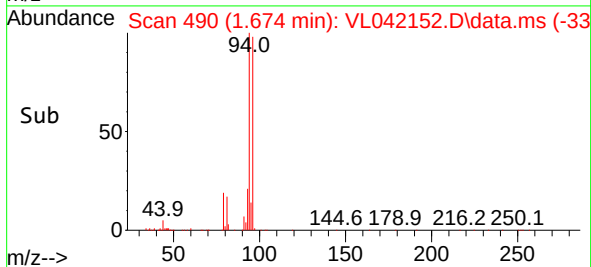
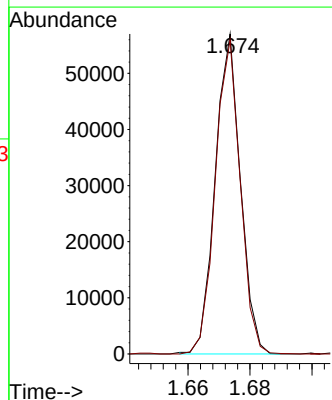
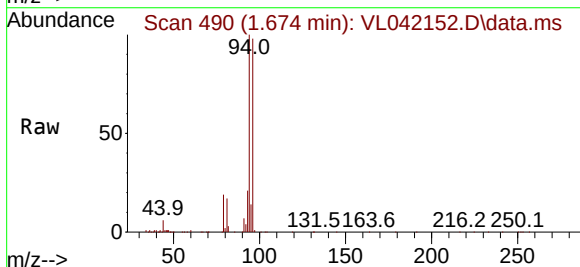
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0317ABS01

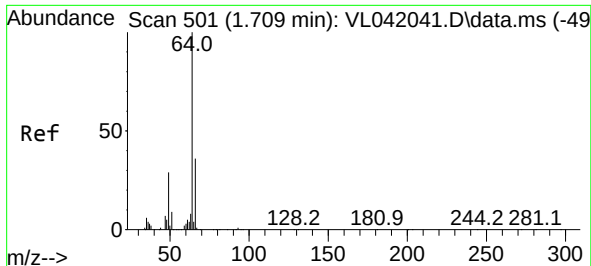
Tgt Ion: 62 Resp: 68001  
 Ion Ratio Lower Upper  
 62 100  
 64 32.0 25.3 37.9



#6  
 Bromomethane  
 Concen: 11.059 ppbv  
 RT: 1.674 min Scan# 490  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Tgt Ion: 94 Resp: 32244  
 Ion Ratio Lower Upper  
 94 100  
 96 98.2 76.5 114.7

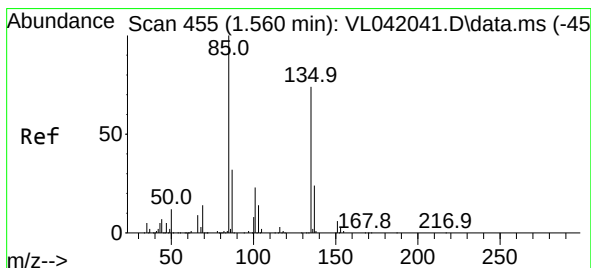
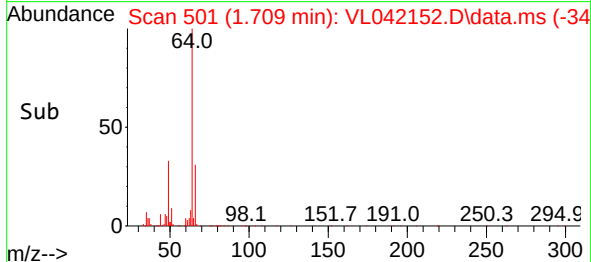
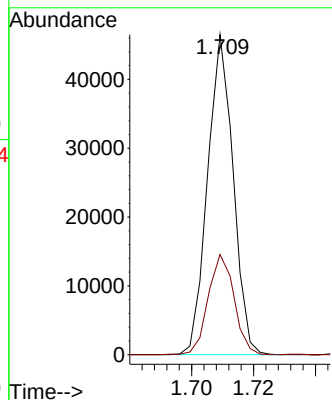
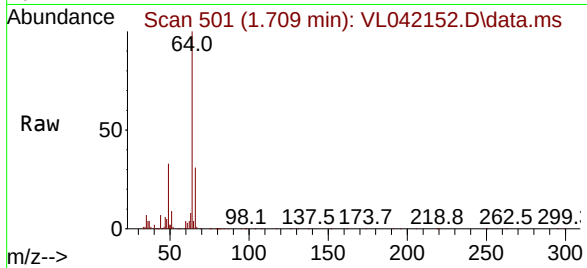




#7  
Chloroethane  
Concen: 10.682 ppbv  
RT: 1.709 min Scan# 501  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

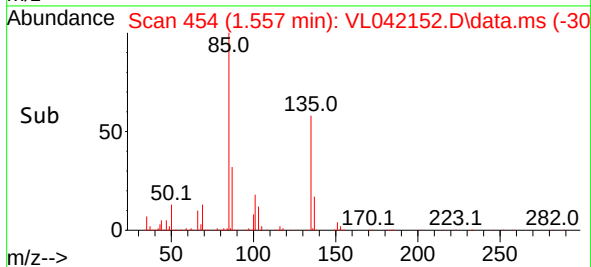
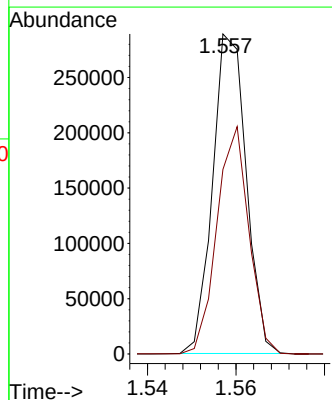
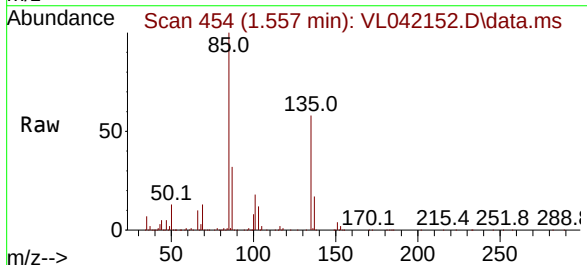
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

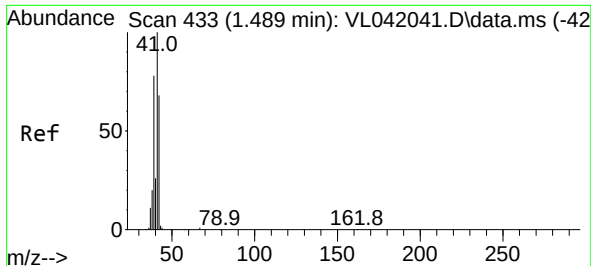
Tgt Ion: 64 Resp: 26575  
Ion Ratio Lower Upper  
64 100  
66 31.3 28.4 42.6



#8  
Dichlorotetrafluoroethane  
Concen: 10.624 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 152871  
Ion Ratio Lower Upper  
85 100  
135 67.8 54.6 81.8





#9

Propene

Concen: 8.756 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_1

ClientSampleId :

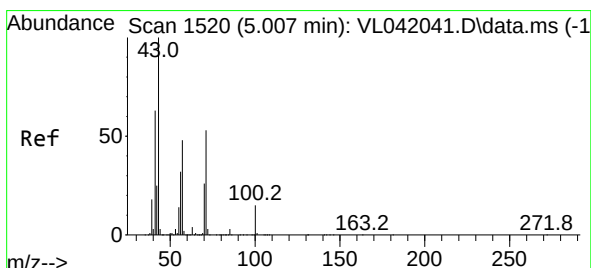
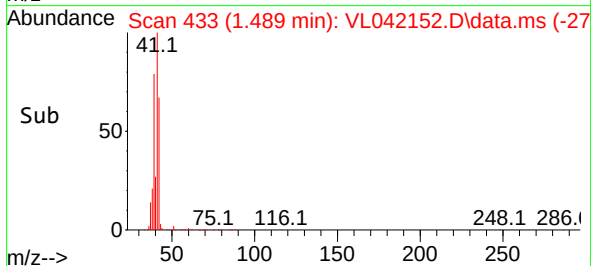
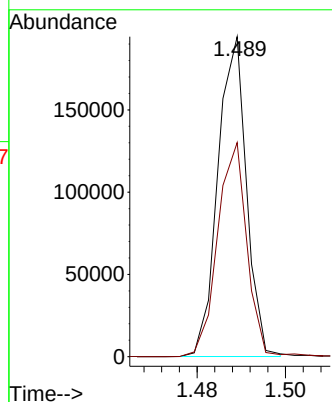
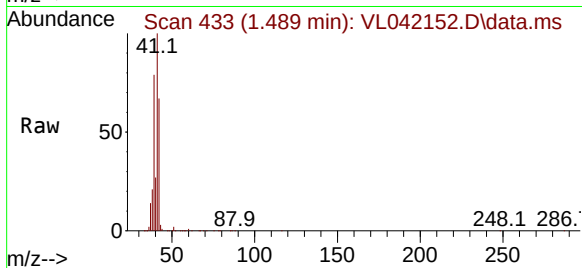
VL0317ABS01

Tgt Ion: 41 Resp: 87265

Ion Ratio Lower Upper

41 100

42 69.2 55.8 83.6



#10

Heptane

Concen: 8.069 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. -0.003 min

Lab File: VL042152.D

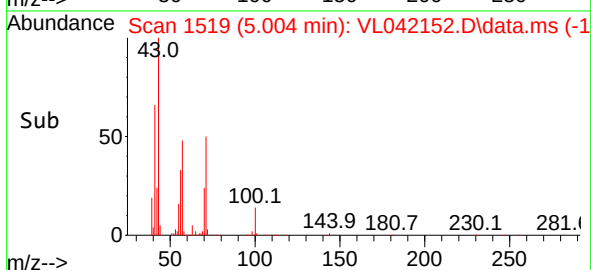
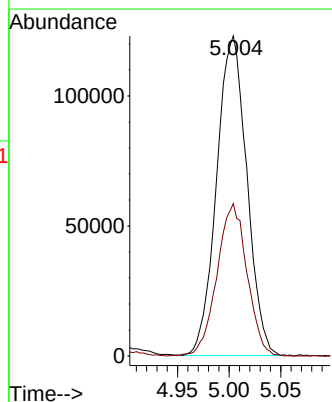
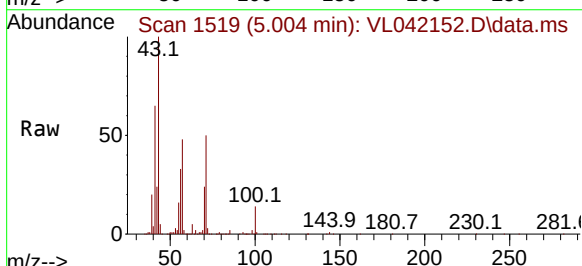
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 250401

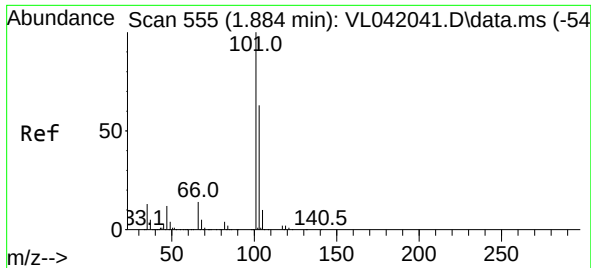
Ion Ratio Lower Upper

43 100

57 47.2 39.4 59.0



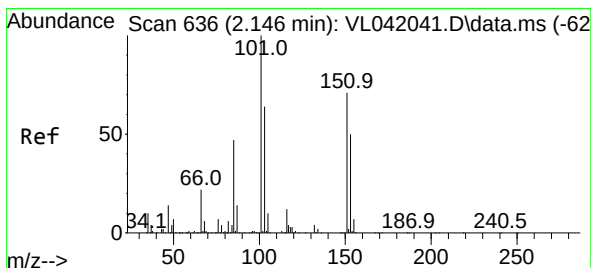
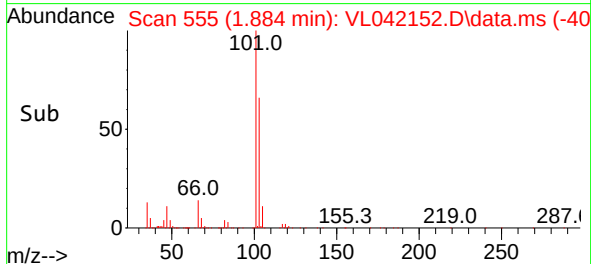
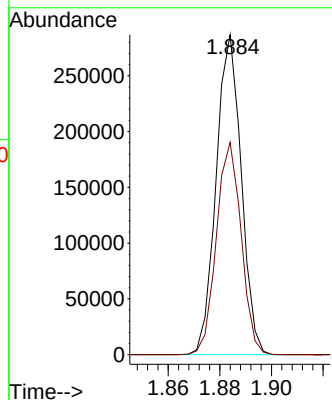
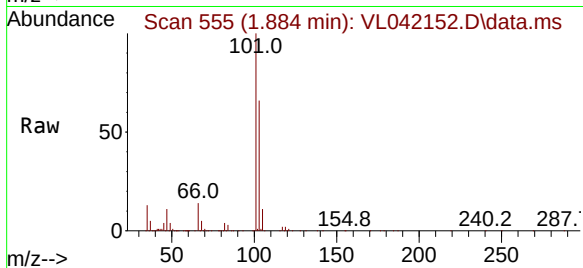




#11  
 Trichlorofluoromethane  
 Concen: 11.028 ppbv  
 RT: 1.884 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

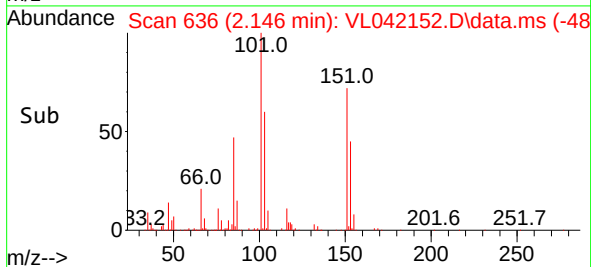
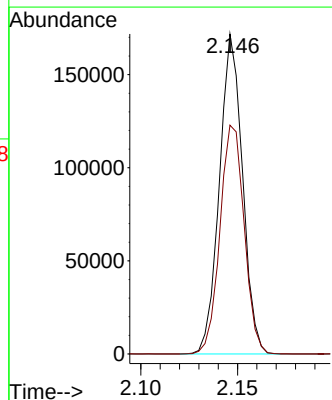
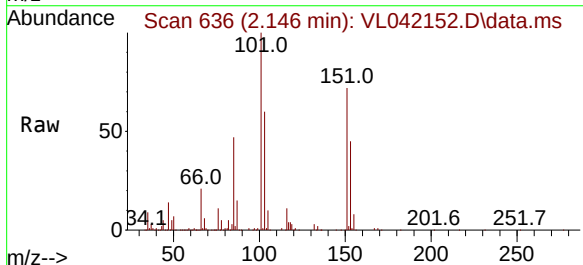
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

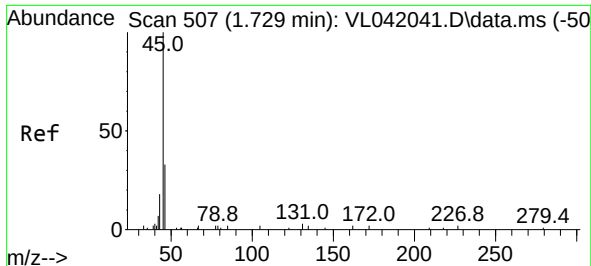
Tgt Ion:101 Resp: 193415  
 Ion Ratio Lower Upper  
 101 100  
 103 66.4 50.6 75.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.167 ppbv  
 RT: 2.146 min Scan# 636  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Tgt Ion:101 Resp: 142239  
 Ion Ratio Lower Upper  
 101 100  
 151 75.1 62.6 94.0

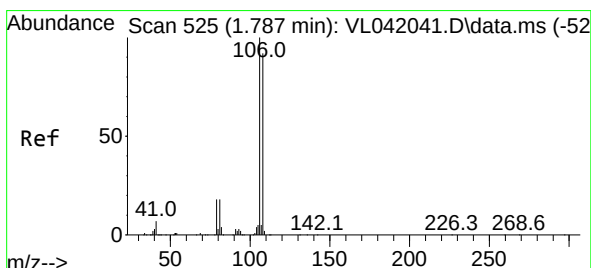
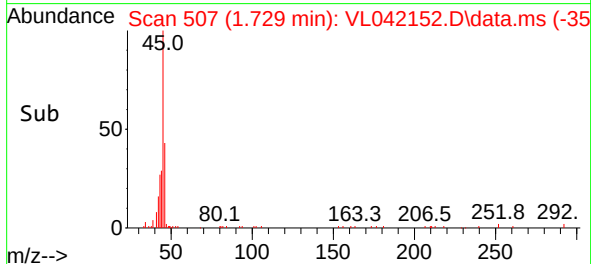
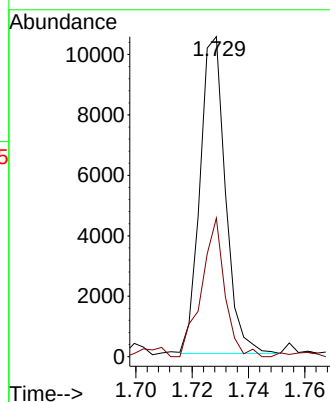
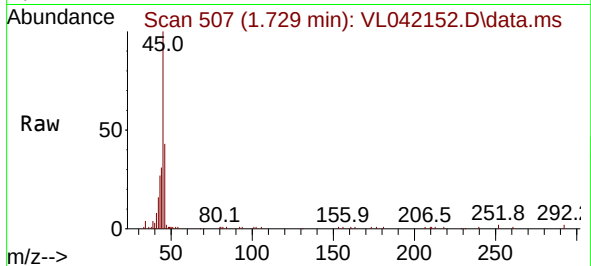




#13  
Ethanol  
Concen: 10.414 ppbv  
RT: 1.729 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

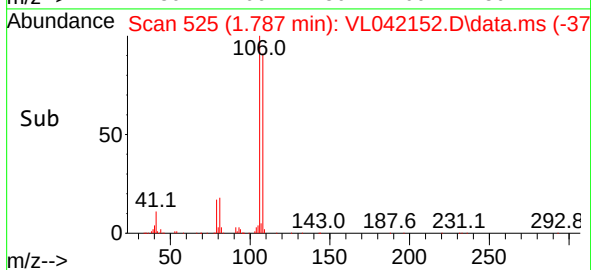
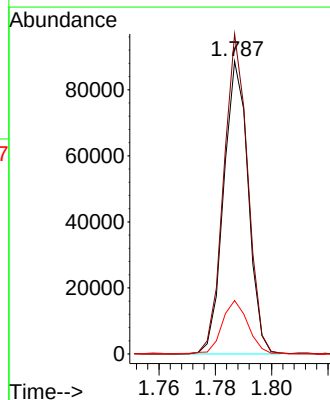
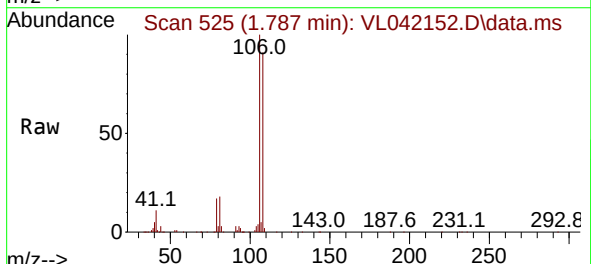
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MSVOA\_L  
ClientSampleId :  
VL0317ABS01

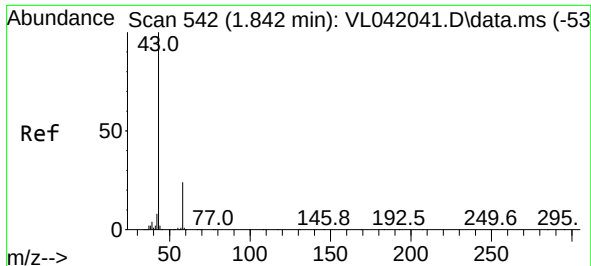
Tgt Ion: 45 Resp: 6589  
Ion Ratio Lower Upper  
45 100  
46 43.0 17.1 68.3



#14  
Bromoethene  
Concen: 10.866 ppbv  
RT: 1.787 min Scan# 525  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 108 Resp: 53682  
Ion Ratio Lower Upper  
108 100  
106 107.2 85.4 128.0  
79 19.7 16.5 24.7

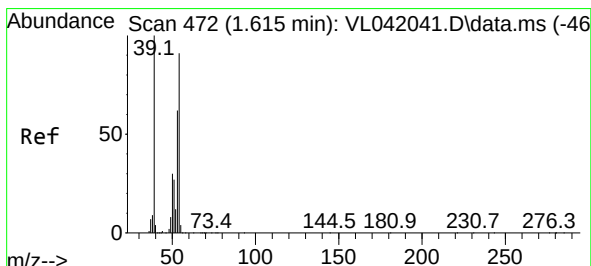
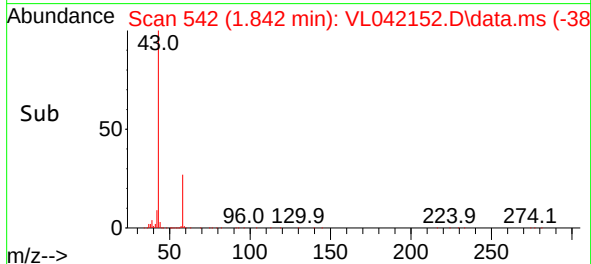
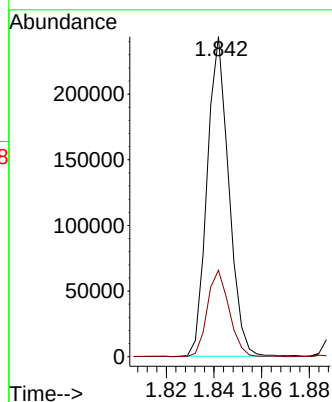
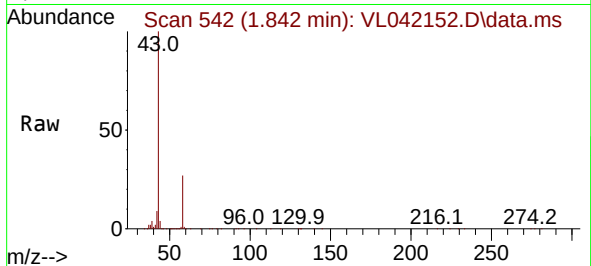




#15  
Acetone  
Concen: 10.342 ppbv  
RT: 1.842 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

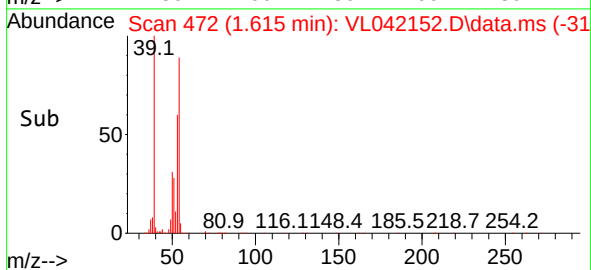
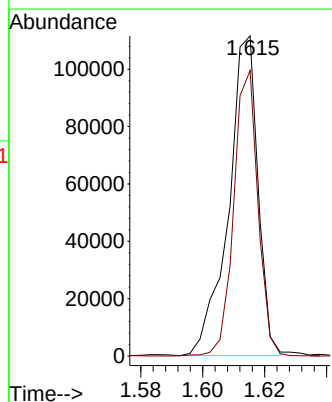
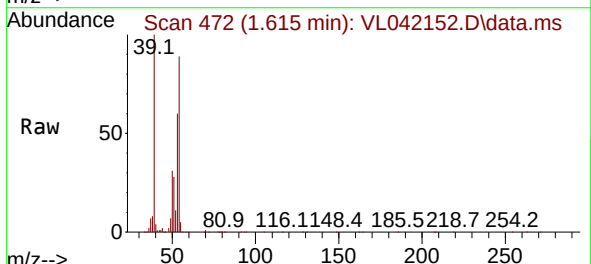
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MSVOA\_L  
ClientSampleId :  
VL0317ABS01

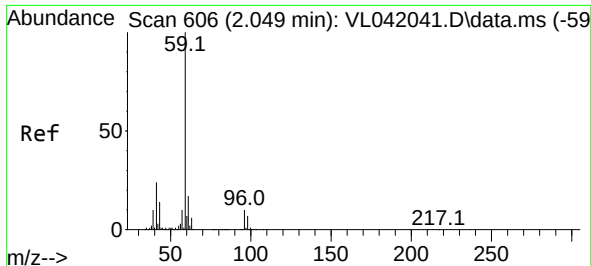
Tgt Ion: 43 Resp: 153734  
Ion Ratio Lower Upper  
43 100  
58 27.5 20.7 31.1



#16  
1,3-Butadiene  
Concen: 10.638 ppbv  
RT: 1.615 min Scan# 472  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 39 Resp: 73596  
Ion Ratio Lower Upper  
39 100  
54 73.4 59.6 89.4





#17

tert-Butyl alcohol

Concen: 9.081 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_1

ClientSampleId :

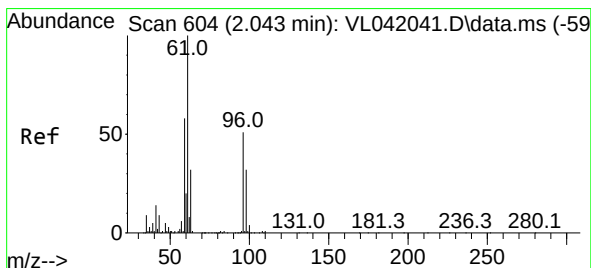
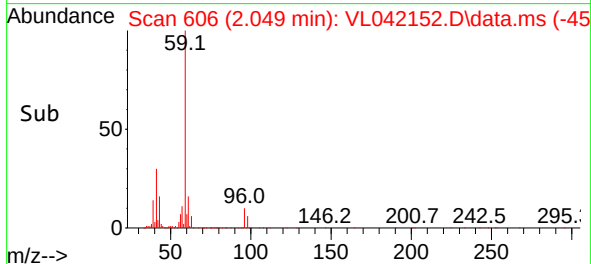
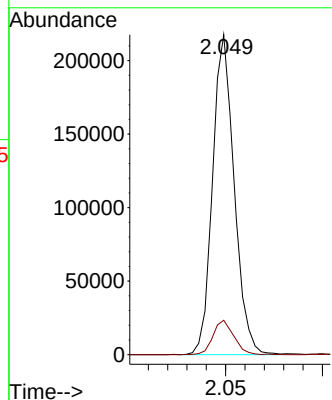
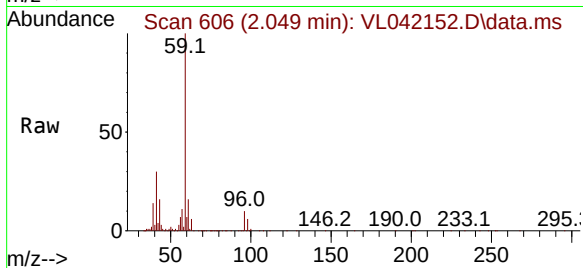
VL0317ABS01

Tgt Ion: 59 Resp: 168888

Ion Ratio Lower Upper

59 100

57 10.4 9.3 13.9



#18

1,1-Dichloroethene

Concen: 10.153 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

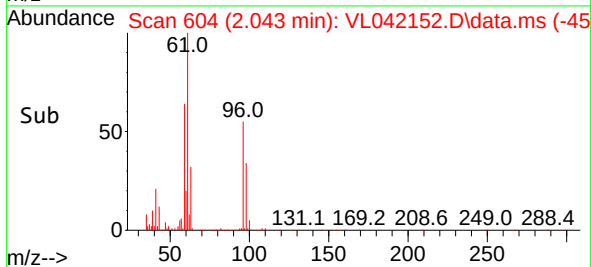
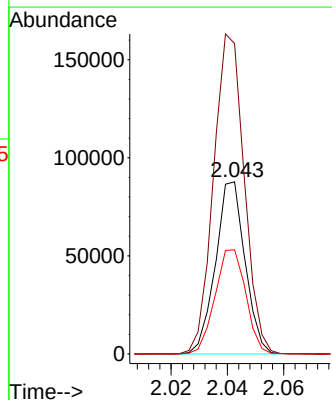
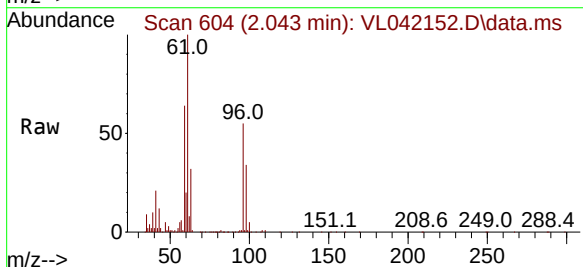
Tgt Ion: 96 Resp: 64186

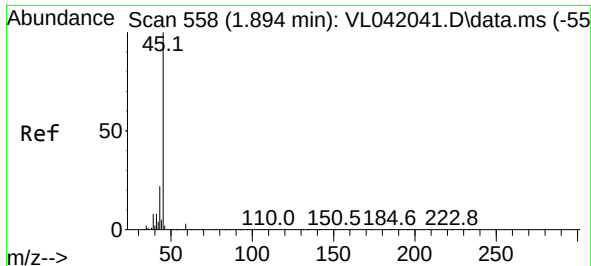
Ion Ratio Lower Upper

96 100

61 180.1 156.0 234.0

98 60.4 49.4 74.2

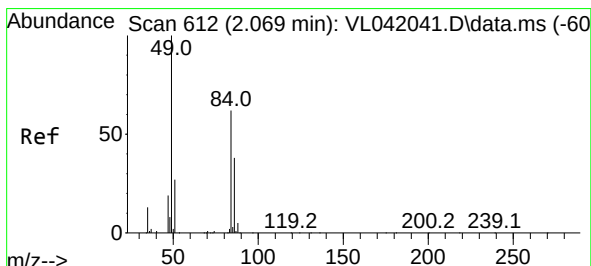
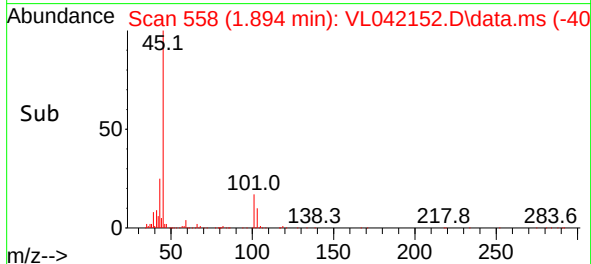
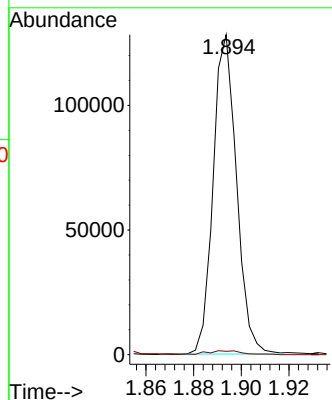
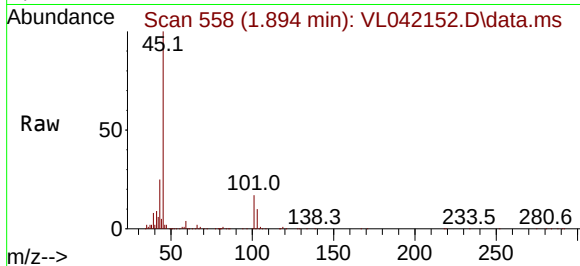




#19  
Isopropyl Alcohol  
Concen: 10.200 ppbv  
RT: 1.894 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

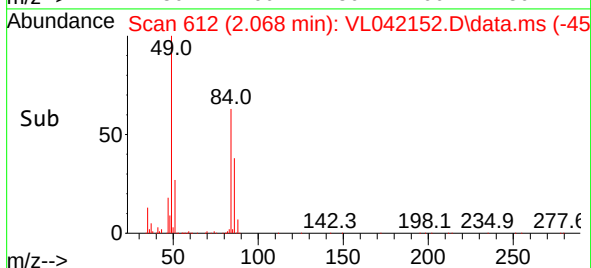
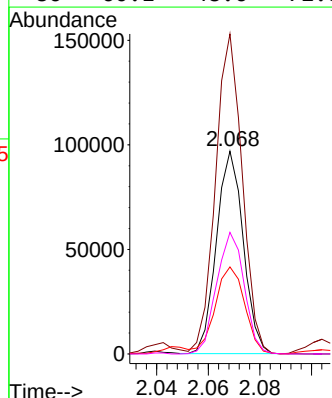
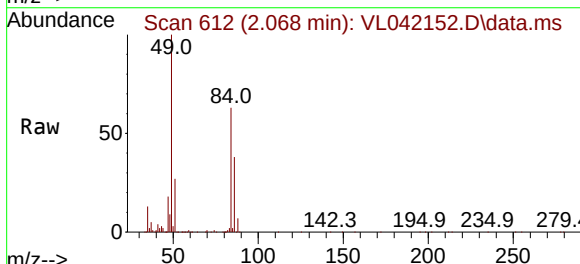
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

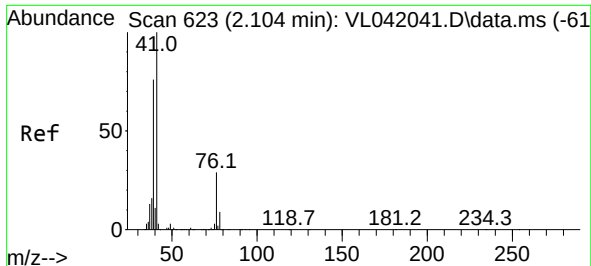
Tgt Ion: 45 Resp: 87101  
Ion Ratio Lower Upper  
45 100  
58 48.5 35.3 52.9



#20  
Methylene Chloride  
Concen: 12.426 ppbv  
RT: 2.068 min Scan# 612  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 84 Resp: 69871  
Ion Ratio Lower Upper  
84 100  
49 158.1 130.0 195.0  
51 42.9 37.4 56.0  
86 60.1 48.6 72.8

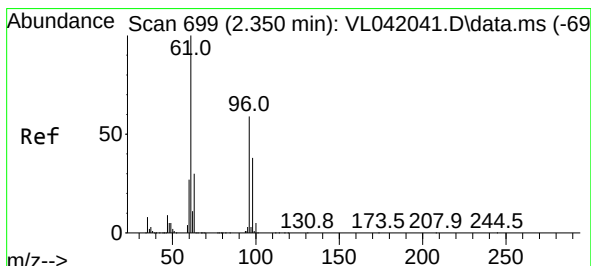
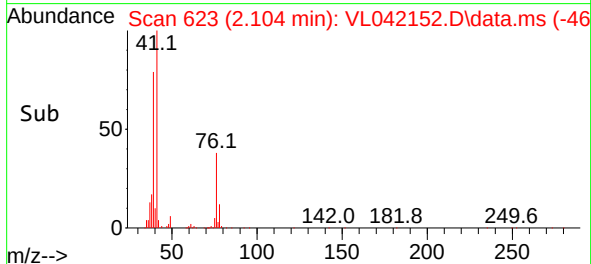
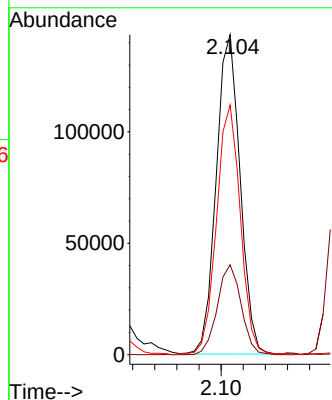
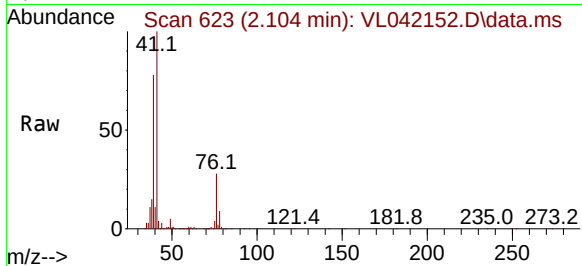




#21  
 Allyl Chloride  
 Concen: 10.020 ppbv  
 RT: 2.104 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

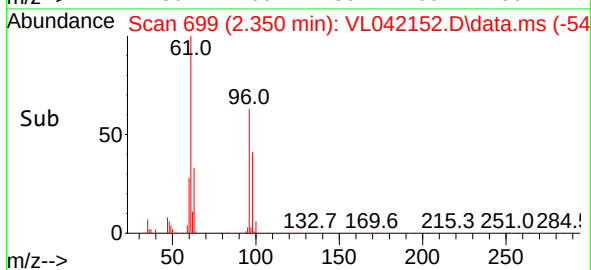
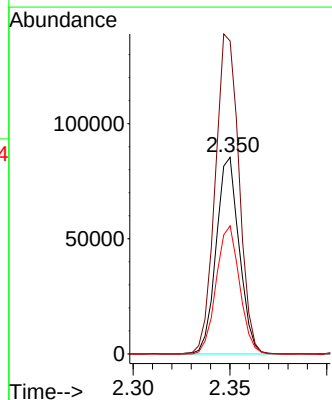
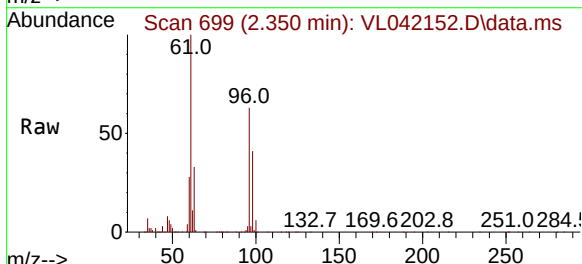
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

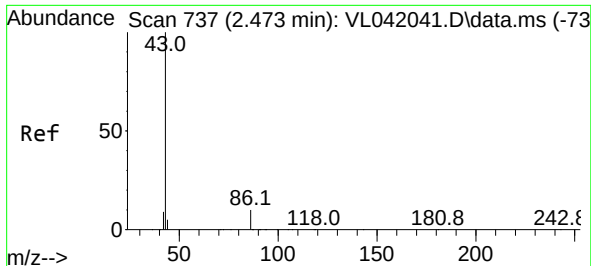
Tgt Ion: 41 Resp: 107619  
 Ion Ratio Lower Upper  
 41 100  
 76 28.0 23.8 35.6  
 39 77.4 63.8 95.6



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.562 ppbv  
 RT: 2.350 min Scan# 699  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Tgt Ion: 96 Resp: 70469  
 Ion Ratio Lower Upper  
 96 100  
 61 159.1 136.6 205.0  
 98 65.1 51.8 77.6

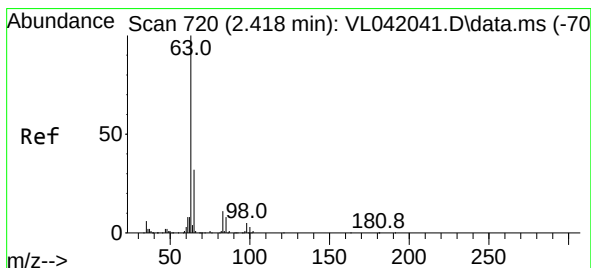
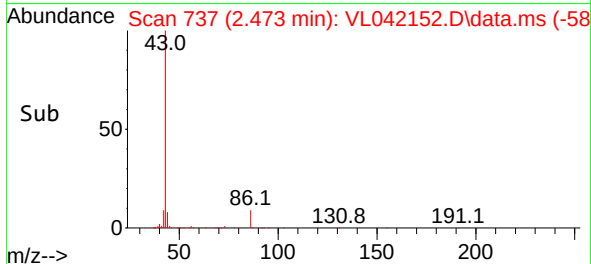
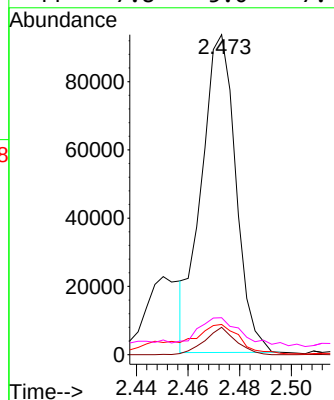
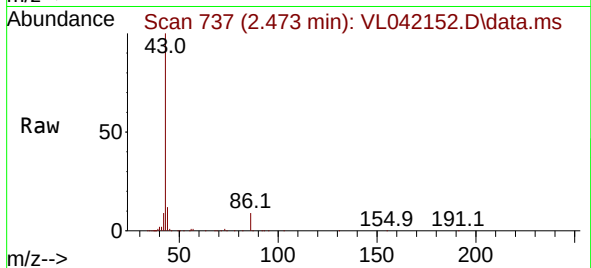




#23  
 Vinyl Acetate  
 Concen: 8.235 ppbv  
 RT: 2.473 min Scan# 737  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

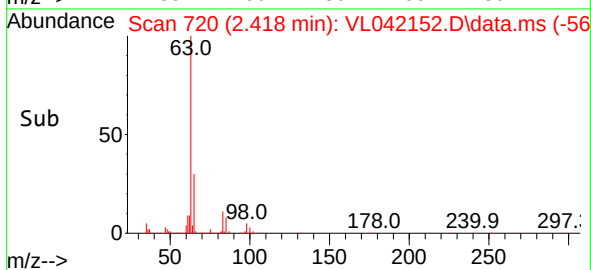
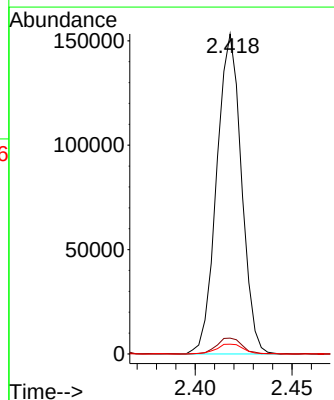
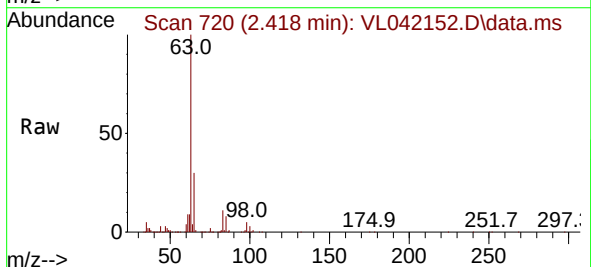
Instrument :  
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 ClientSampleId :  
 VL0317ABS01

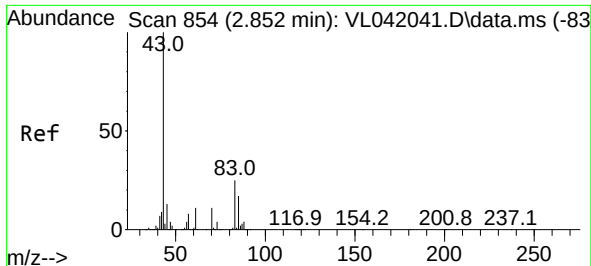
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 86073 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.6      | 7.0 10.4    |
| 42 9.0      | 7.6 11.4    |
| 44 7.8      | 5.0 7.4#    |



#24  
 1,1-Dichloroethane  
 Concen: 9.951 ppbv  
 RT: 2.418 min Scan# 720  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 136457 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 98 5.0      | 2.4 7.2      |
| 100 3.0     | 1.7 5.0      |

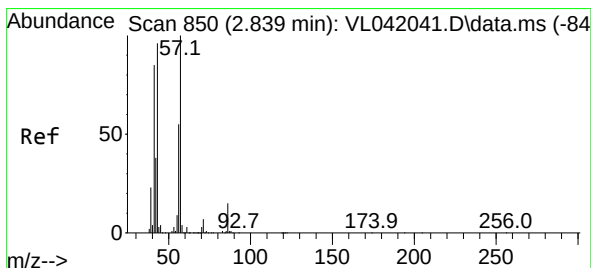
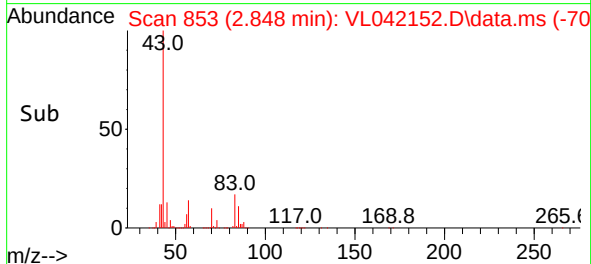
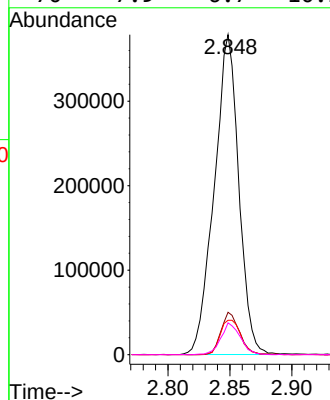
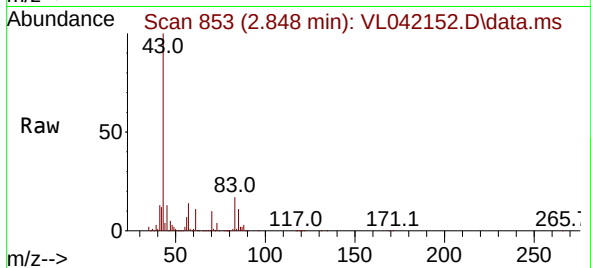




#25  
Ethyl Acetate  
Concen: 8.777 ppbv  
RT: 2.848 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

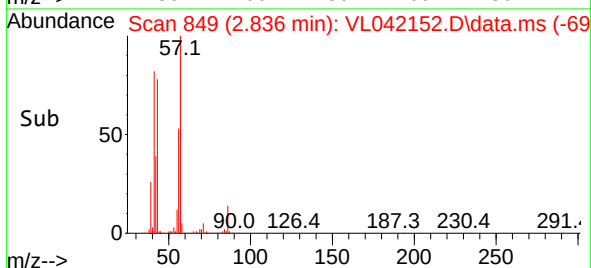
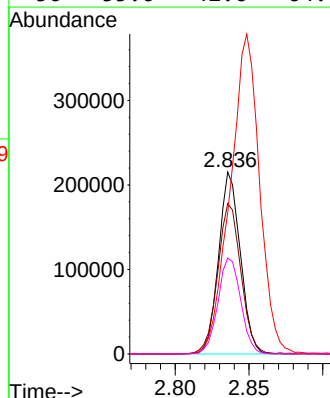
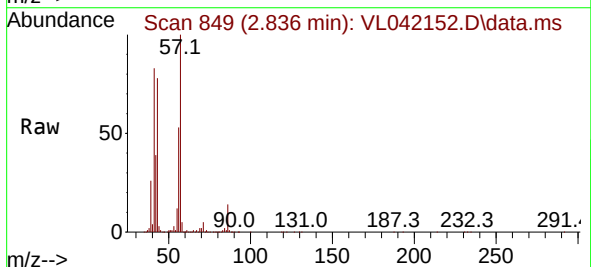
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

|     |         |              |       |
|-----|---------|--------------|-------|
| Tgt | Ion: 43 | Resp: 522277 |       |
| Ion | Ratio   | Lower        | Upper |
| 43  | 100     |              |       |
| 45  | 10.1    | 8.1          | 12.1  |
| 61  | 9.2     | 7.2          | 10.8  |
| 70  | 7.9     | 6.7          | 10.1  |

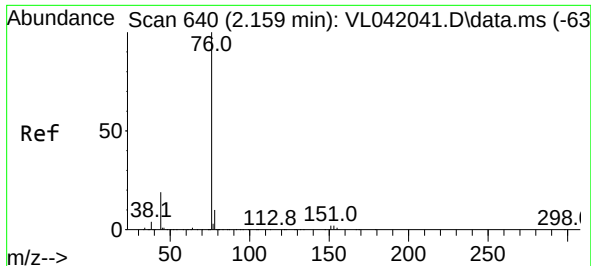


#26  
Hexane  
Concen: 9.143 ppbv  
RT: 2.836 min Scan# 849  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 219929 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 89.7     | 70.6 106.0   |
| 43 238.2    | 199.4 299.0  |
| 56 55.6     | 42.6 64.0    |



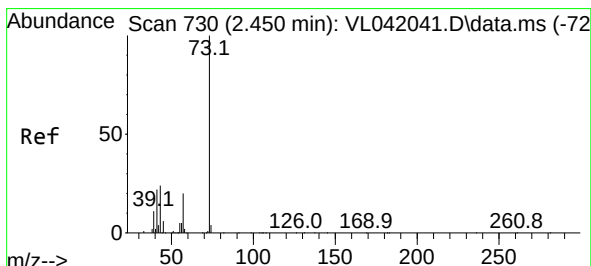
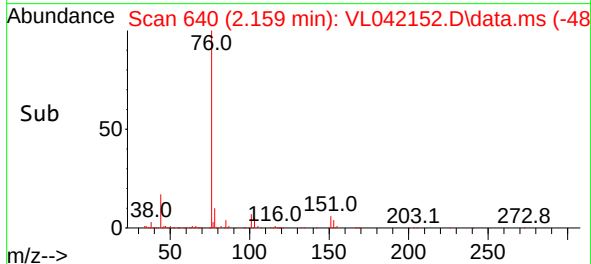
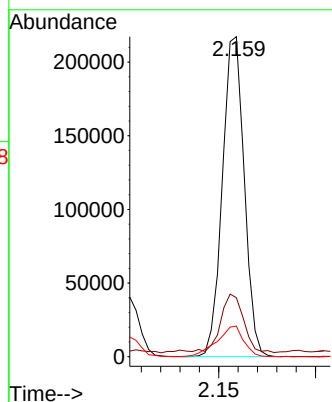
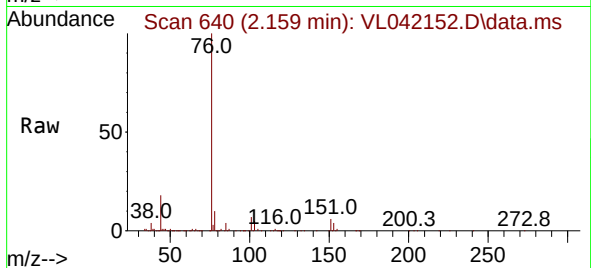




#27  
Carbon Disulfide  
Concen: 10.470 ppbv  
RT: 2.159 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

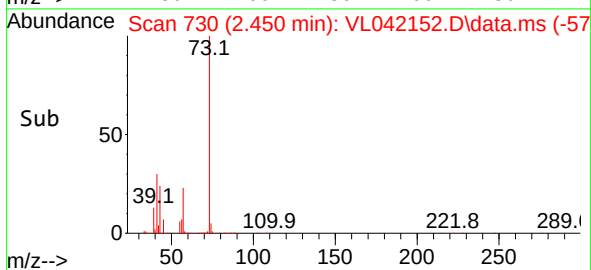
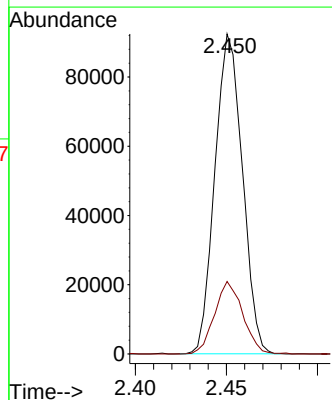
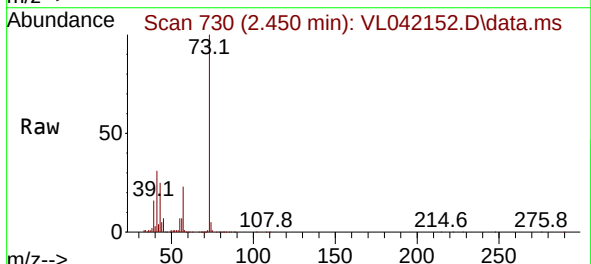
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0317ABS01

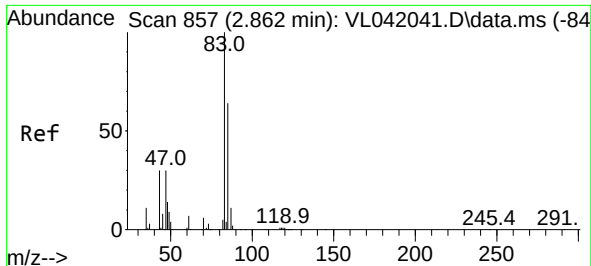
Tgt Ion: 76 Resp: 170724  
Ion Ratio Lower Upper  
76 100  
44 18.4 16.2 24.2  
78 11.8 9.4 14.0



#28  
Methyl tert-Butyl Ether  
Concen: 8.099 ppbv  
RT: 2.450 min Scan# 730  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 73 Resp: 96989  
Ion Ratio Lower Upper  
73 100  
57 23.3 17.7 26.5





#29

Chloroform

Concen: 8.627 ppbv

RT: 2.861 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

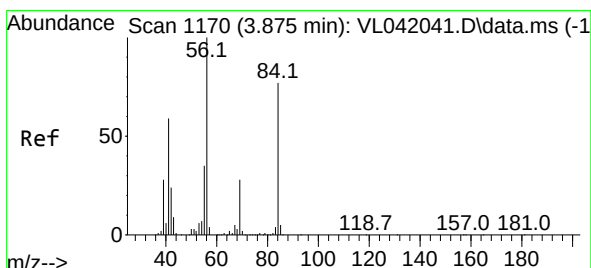
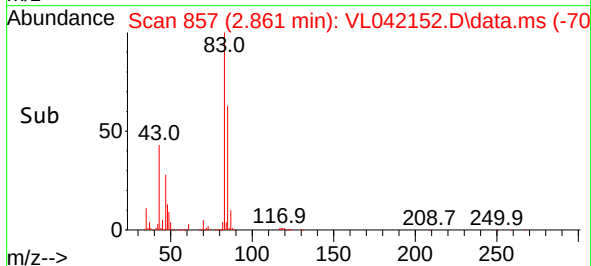
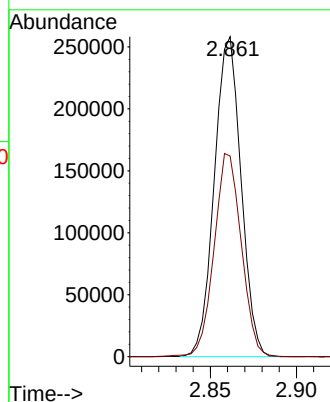
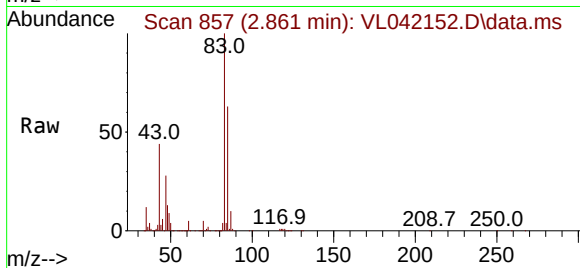
VL0317ABS01

Tgt Ion: 83 Resp: 279316

Ion Ratio Lower Upper

83 100

85 62.6 51.2 76.8



#30

Cyclohexane

Concen: 7.854 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

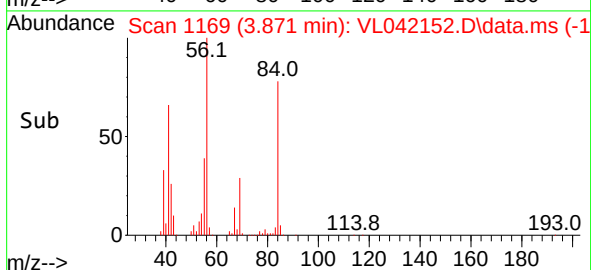
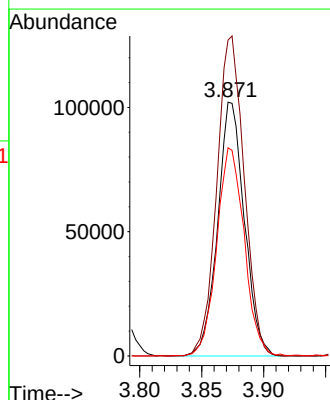
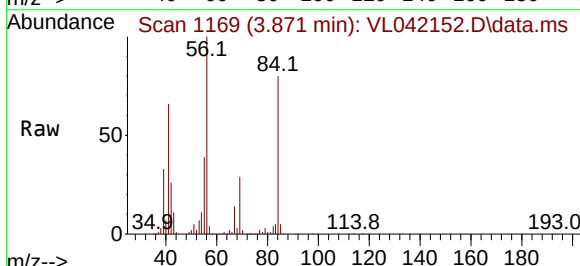
Tgt Ion: 84 Resp: 153350

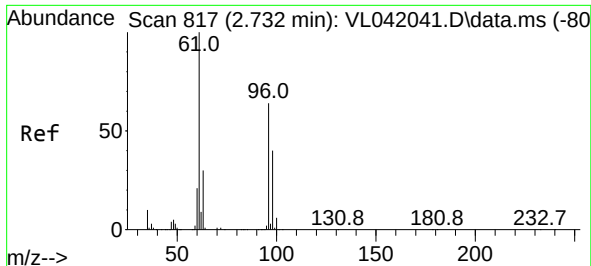
Ion Ratio Lower Upper

84 100

56 129.1 101.5 152.3

41 84.8 62.6 93.8

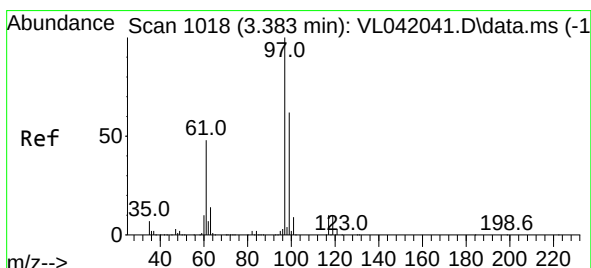
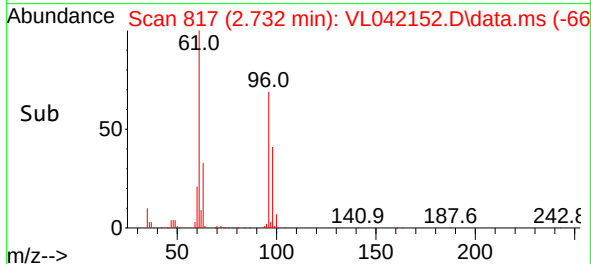
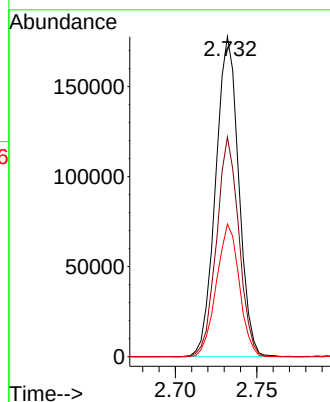
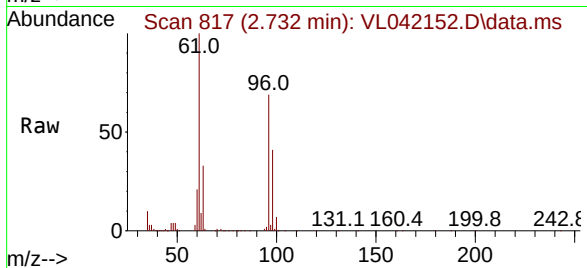




#31  
 cis-1,2-Dichloroethene  
 Concen: 7.685 ppbv  
 RT: 2.732 min Scan# 817  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

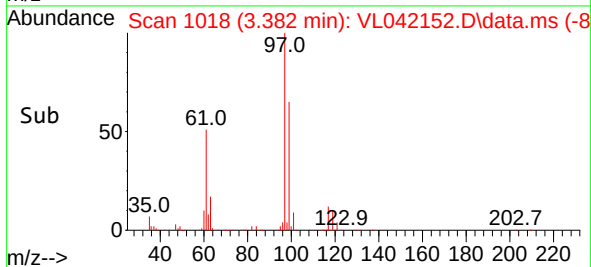
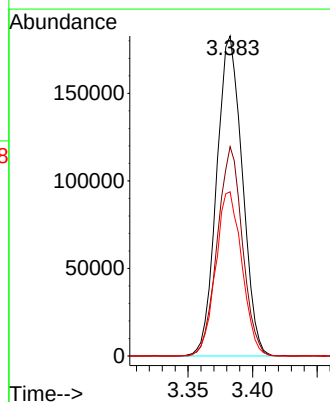
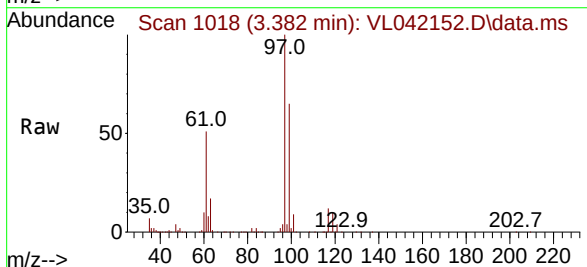
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0317ABS01

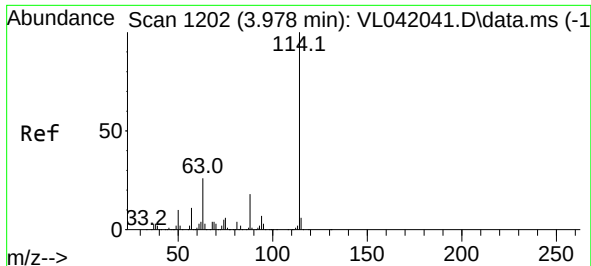
Tgt Ion: 61 Resp: 175002  
 Ion Ratio Lower Upper  
 61 100  
 96 68.6 51.5 77.3  
 98 41.5 32.0 48.0



#32  
 1,1,1-Trichloroethane  
 Concen: 8.044 ppbv  
 RT: 3.382 min Scan# 1018  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Tgt Ion: 97 Resp: 252623  
 Ion Ratio Lower Upper  
 97 100  
 99 63.8 49.8 74.6  
 61 52.4 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

VL0317ABS01

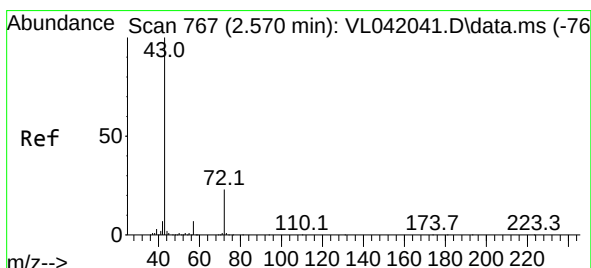
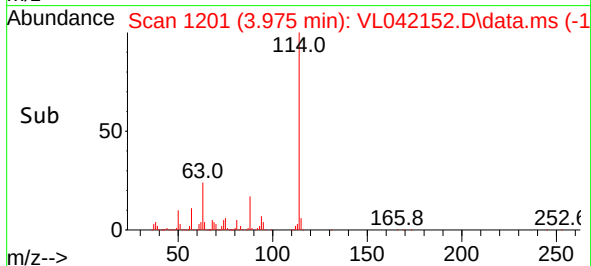
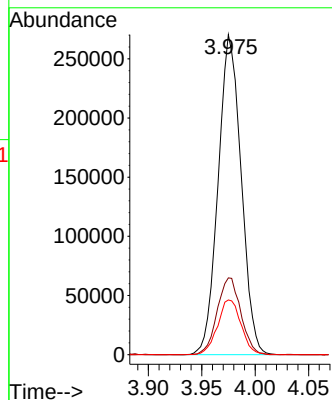
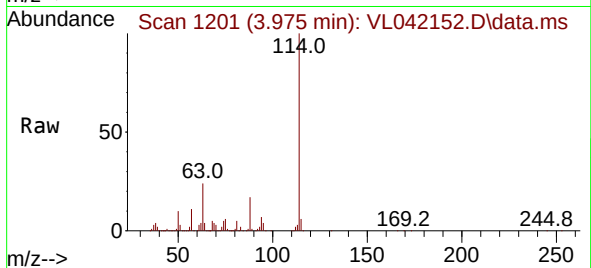
Tgt Ion:114 Resp: 405507

Ion Ratio Lower Upper

114 100

63 24.7 20.1 30.1

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 9.036 ppbv

RT: 2.567 min Scan# 766

Delta R.T. -0.003 min

Lab File: VL042152.D

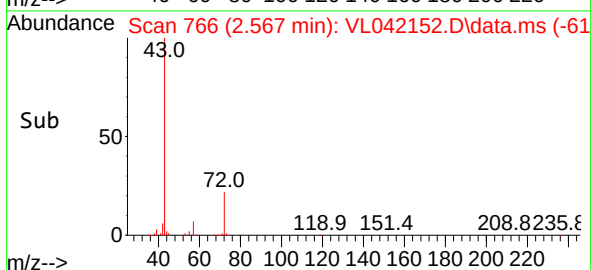
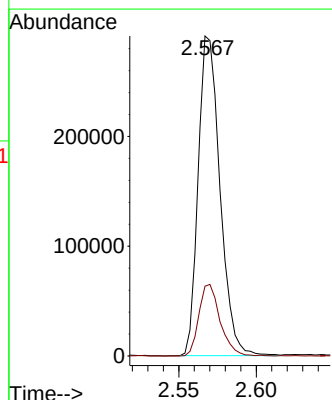
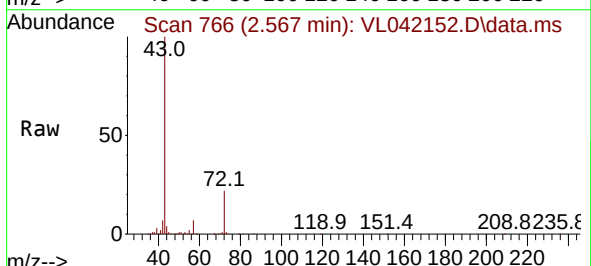
Acq: 17 Mar 2025 11:38

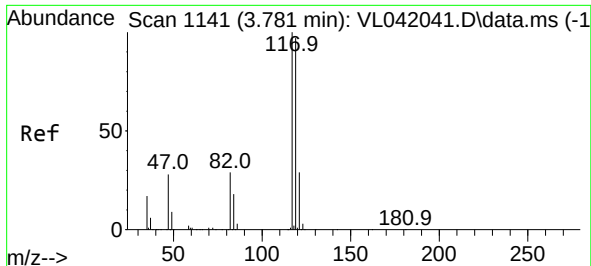
Tgt Ion: 43 Resp: 285475

Ion Ratio Lower Upper

43 100

72 21.9 18.5 27.7

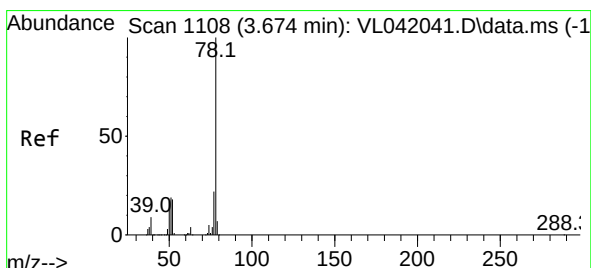
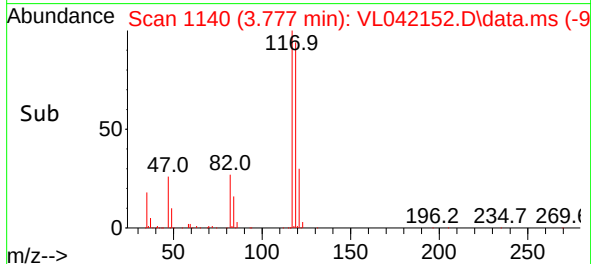
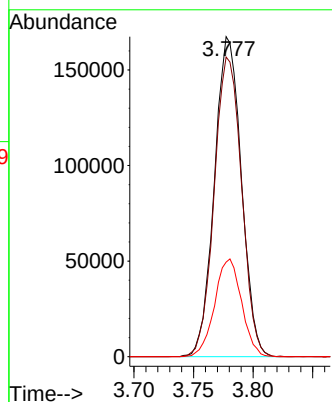
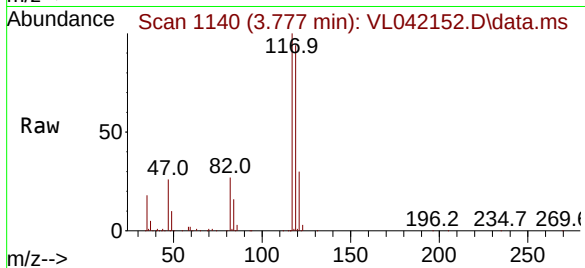




#35  
Carbon Tetrachloride  
Concen: 9.416 ppbv  
RT: 3.777 min Scan# 1140  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

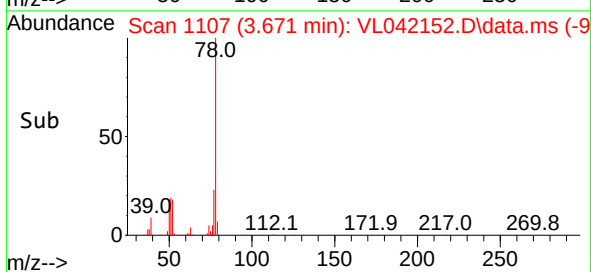
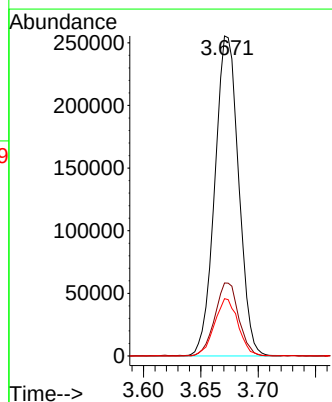
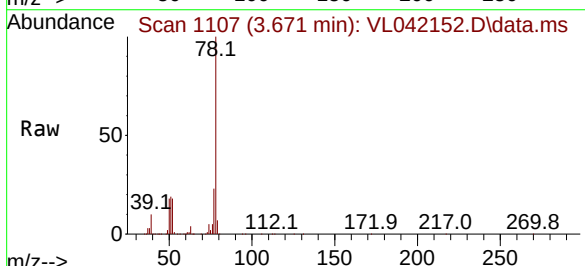
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

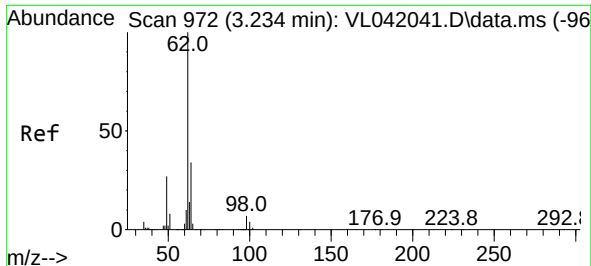
Tgt Ion:117 Resp: 263308  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.8 116.8  
121 29.6 23.4 35.0



#36  
Benzene  
Concen: 8.687 ppbv  
RT: 3.671 min Scan# 1107  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 78 Resp: 368780  
Ion Ratio Lower Upper  
78 100  
77 22.7 17.7 26.5  
50 17.9 13.9 20.9





#37

1,2-Dichloroethane

Concen: 8.744 ppbv

RT: 3.230 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

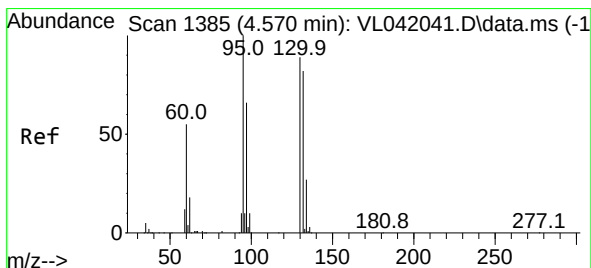
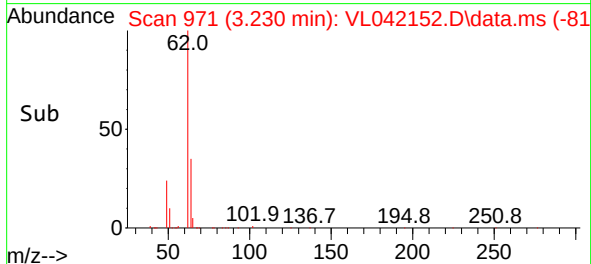
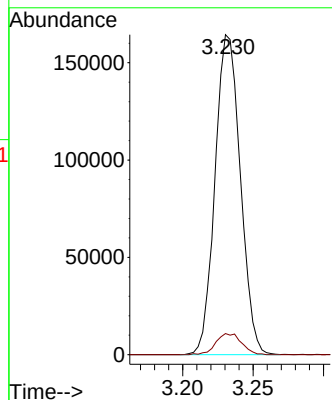
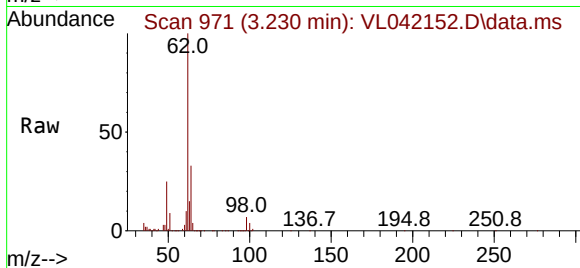
VL0317ABS01

Tgt Ion: 62 Resp: 205805

Ion Ratio Lower Upper

62 100

98 6.7 5.7 8.5



#38

Trichloroethene

Concen: 8.140 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Tgt Ion:130 Resp: 141107

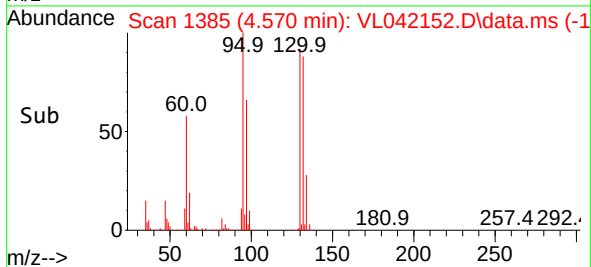
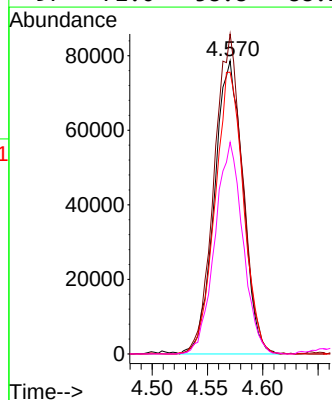
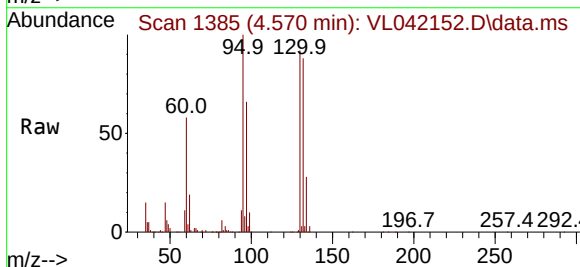
Ion Ratio Lower Upper

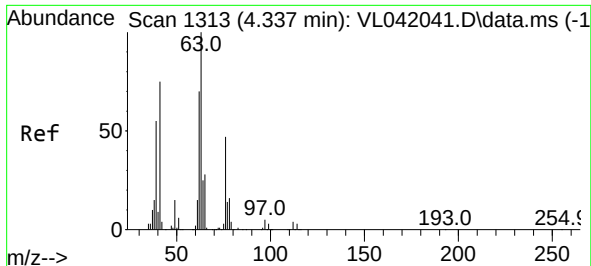
130 100

95 109.1 89.5 134.3

132 96.1 73.8 110.6

97 72.0 58.8 88.2





#39

1,2-Dichloropropane

Concen: 8.583 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_1

ClientSampleId :

VL0317ABS01

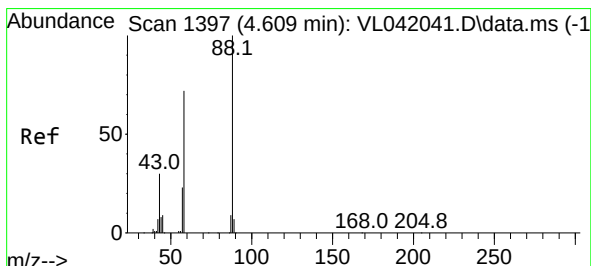
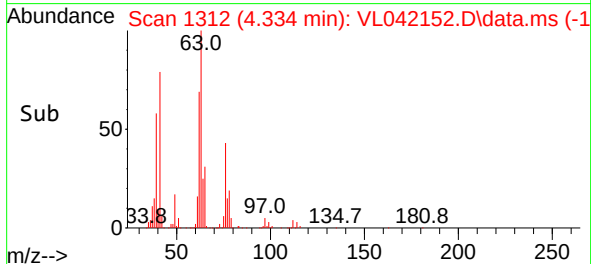
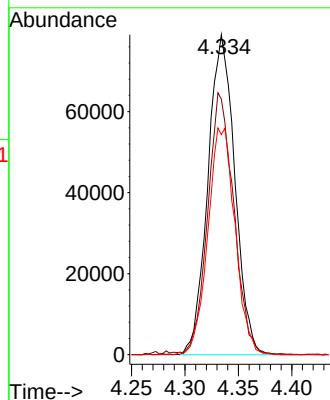
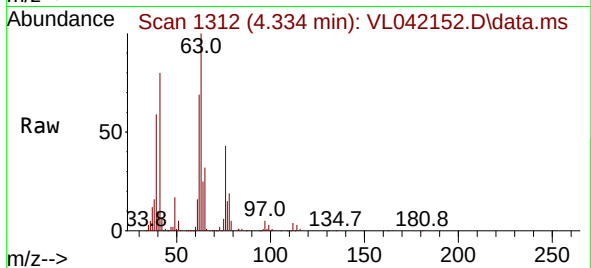
Tgt Ion: 63 Resp: 138287

Ion Ratio Lower Upper

63 100

41 79.5 60.1 90.1

62 68.8 55.8 83.8



#40

1,4-Dioxane

Concen: 8.528 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Tgt Ion: 88 Resp: 62727

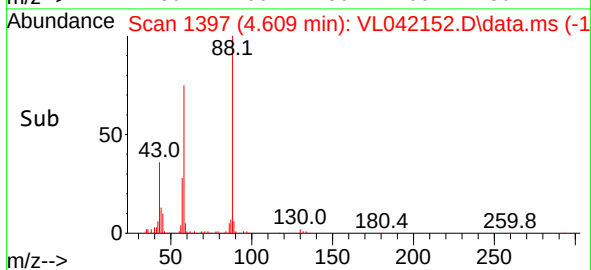
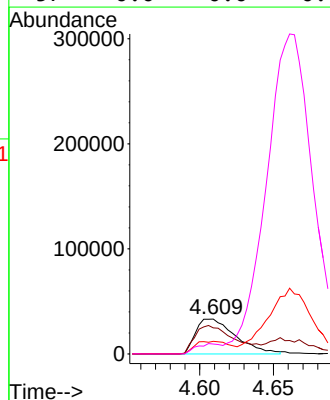
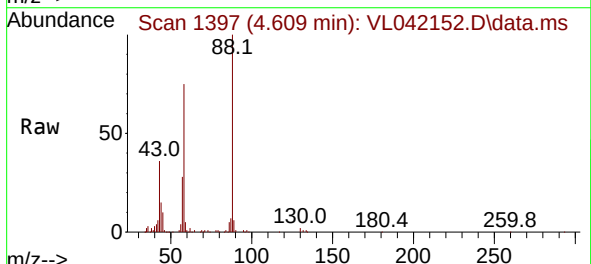
Ion Ratio Lower Upper

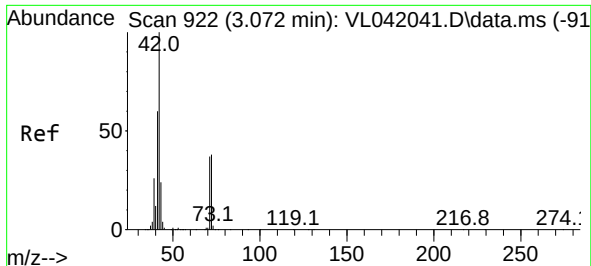
88 100

58 80.2 62.6 94.0

43 35.9 0.0 0.0#

57 0.0 0.0 0.0

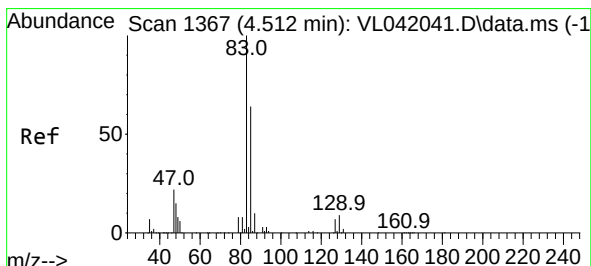
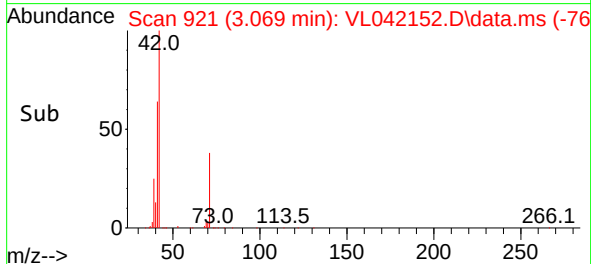
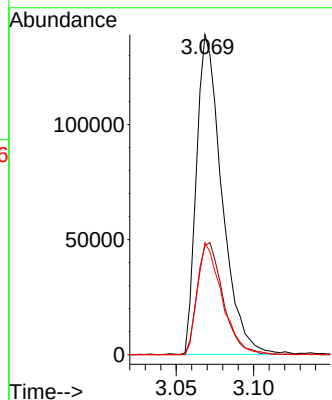
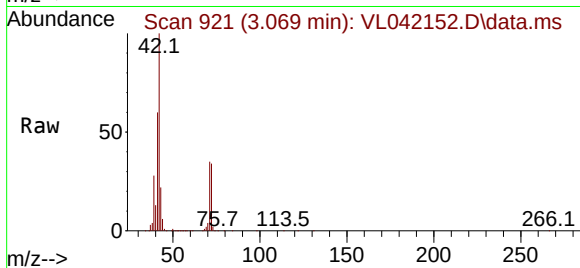




#41  
Tetrahydrofuran  
Concen: 8.504 ppbv  
RT: 3.069 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

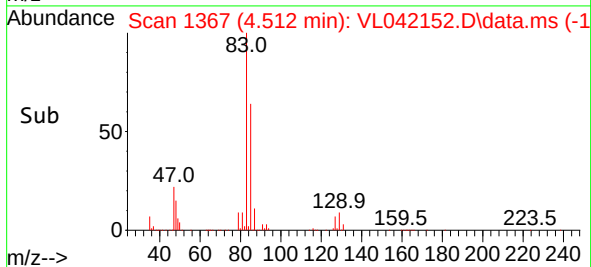
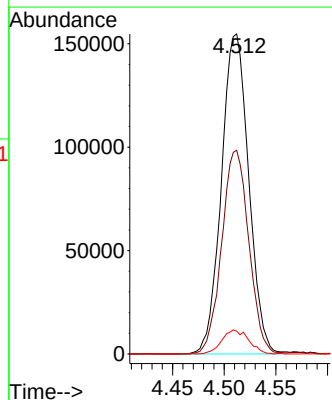
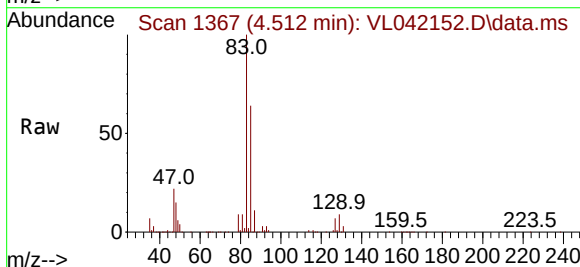
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

Tgt Ion: 42 Resp: 158737  
Ion Ratio Lower Upper  
42 100  
72 35.5 30.2 45.2  
71 34.1 28.2 42.4

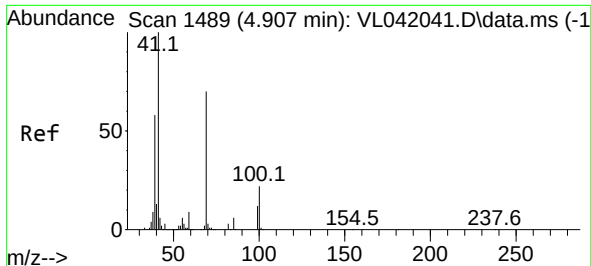


#42  
Bromodichloromethane  
Concen: 8.966 ppbv  
RT: 4.512 min Scan# 1367  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 83 Resp: 284311  
Ion Ratio Lower Upper  
83 100  
85 63.7 51.4 77.2  
127 7.1 5.8 8.6







#43

Methyl Methacrylate

Concen: 8.013 ppbv

RT: 4.910 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_1

ClientSampleId :

VL0317ABS01

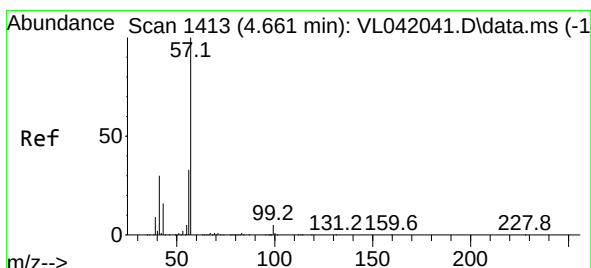
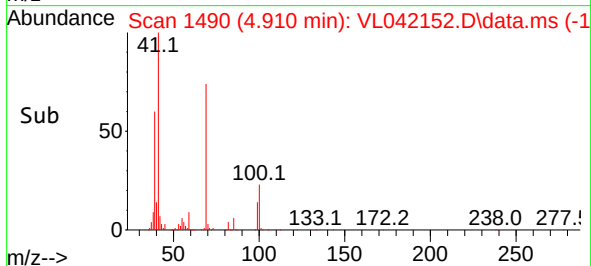
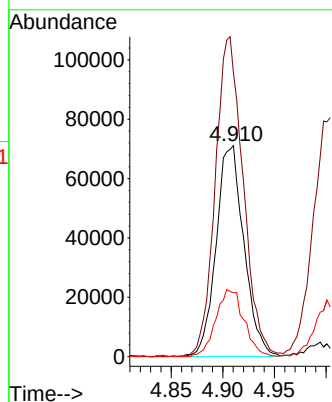
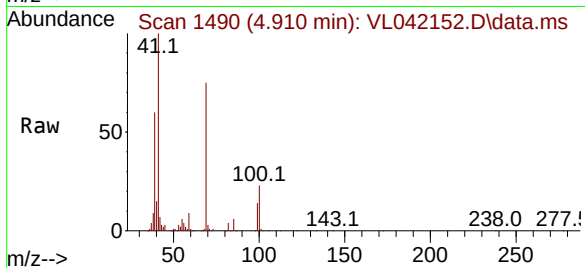
Tgt Ion: 69 Resp: 132841

Ion Ratio Lower Upper

69 100

41 152.1 118.2 177.4

100 32.5 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 8.845 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

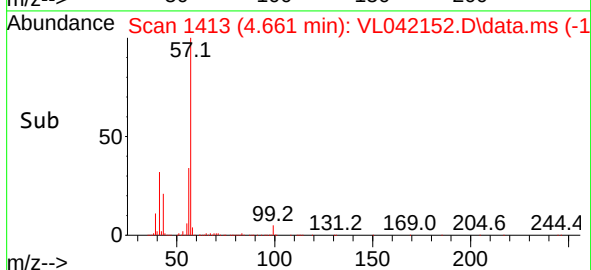
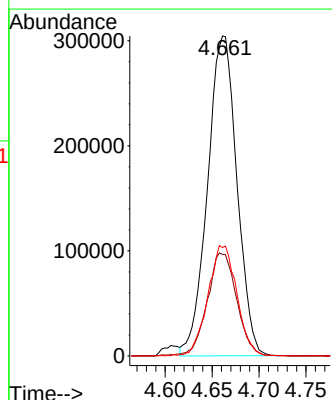
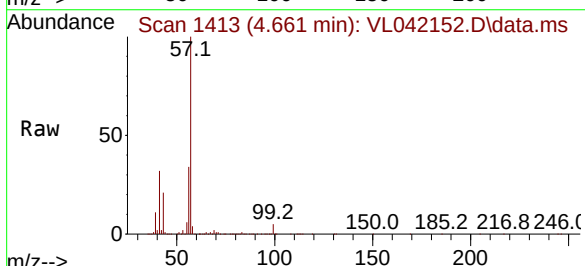
Tgt Ion: 57 Resp: 662648

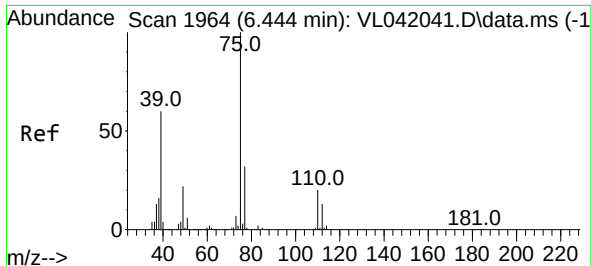
Ion Ratio Lower Upper

57 100

41 32.6 24.4 36.6

56 34.0 26.5 39.7





#45

t-1,3-Dichloropropene

Concen: 7.308 ppbv

RT: 6.441 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

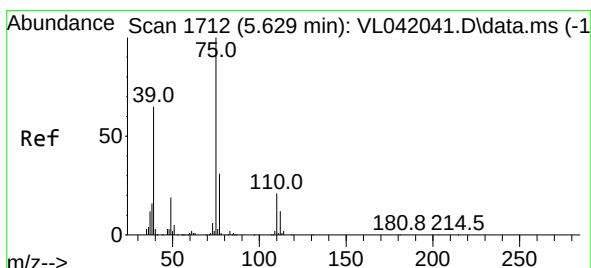
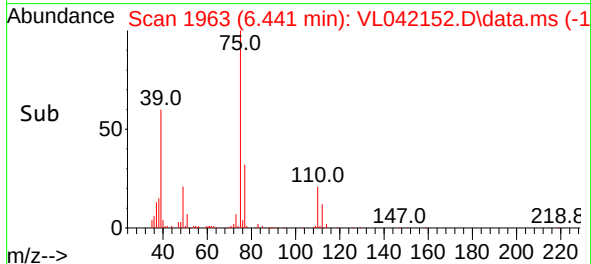
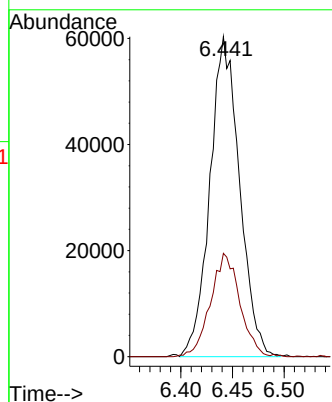
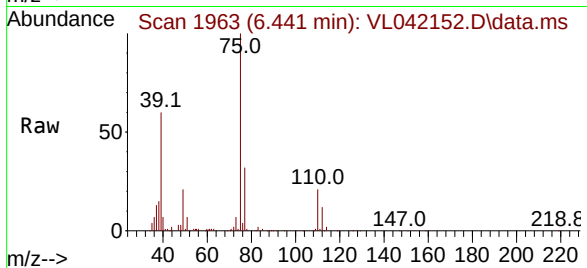
VL0317ABS01

Tgt Ion: 75 Resp: 120373

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 7.885 ppbv

RT: 5.629 min Scan# 1712

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

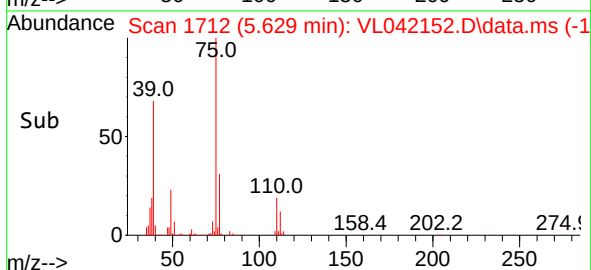
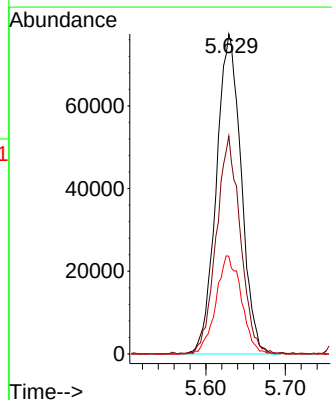
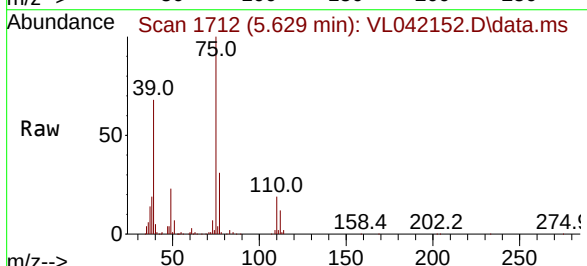
Tgt Ion: 75 Resp: 168060

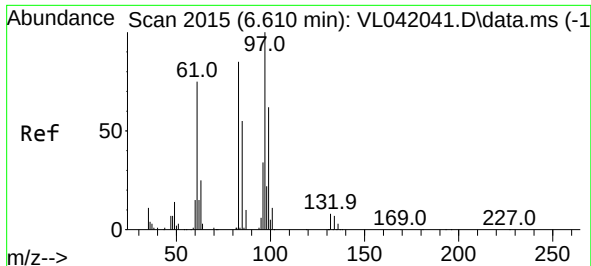
Ion Ratio Lower Upper

75 100

39 67.8 51.9 77.9

77 30.5 24.9 37.3

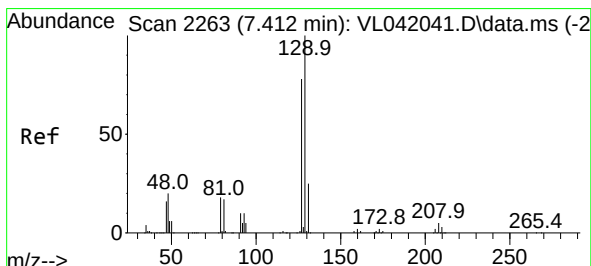
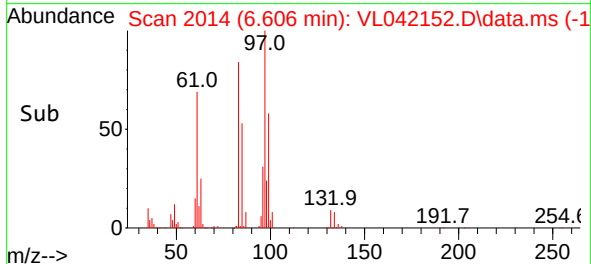
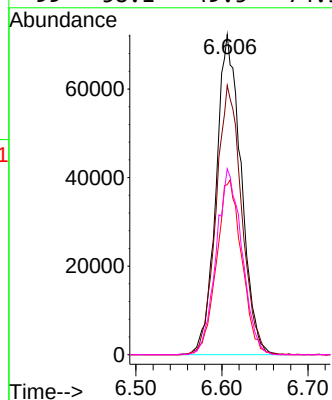
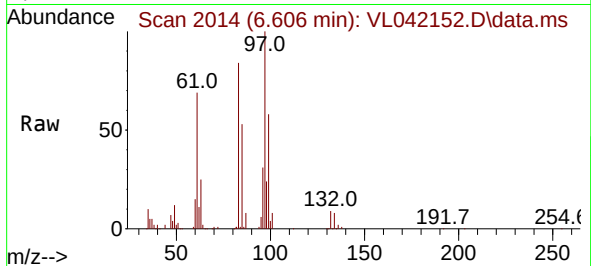




#47  
1,1,2-Trichloroethane  
Concen: 8.915 ppbv  
RT: 6.606 min Scan# 2015  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

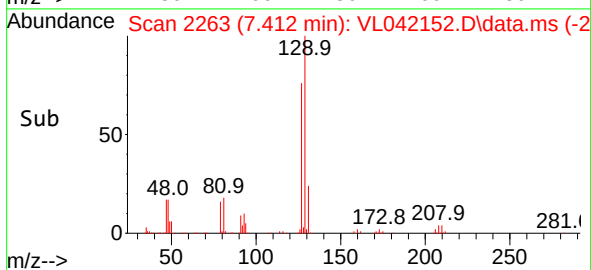
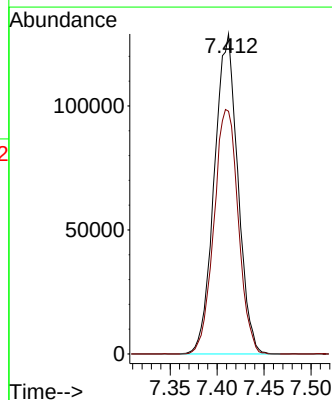
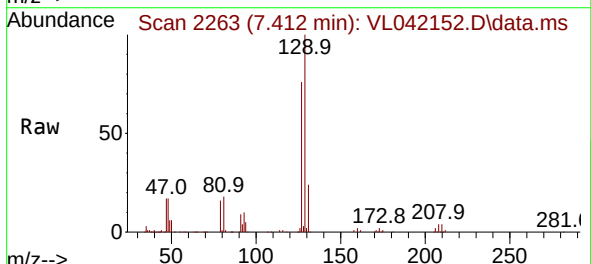
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

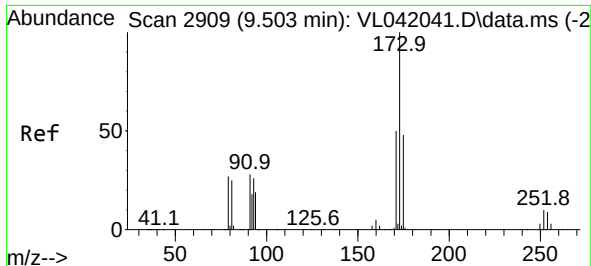
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 145834 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.1  | 68.1  | 102.1  |
| 85       | 53.2  | 44.0  | 66.0   |
| 99       | 58.1  | 49.5  | 74.3   |



#48  
Dibromochloromethane  
Concen: 8.777 ppbv  
RT: 7.412 min Scan# 2263  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 224861 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 78.9  | 38.6  | 115.8  |

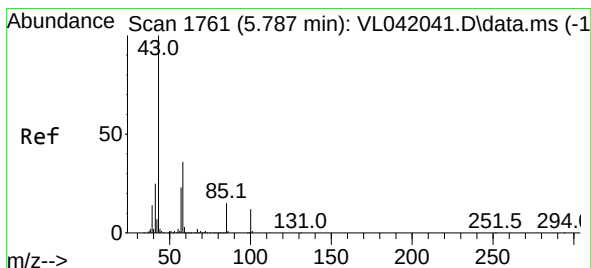
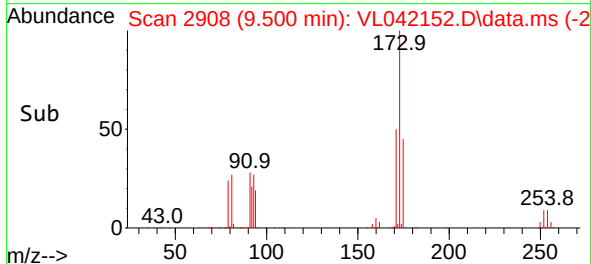
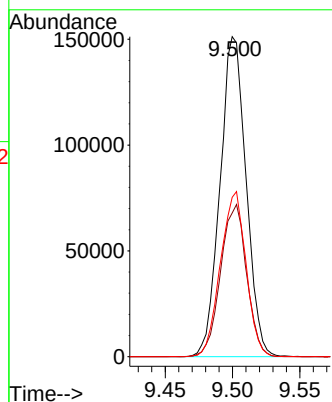
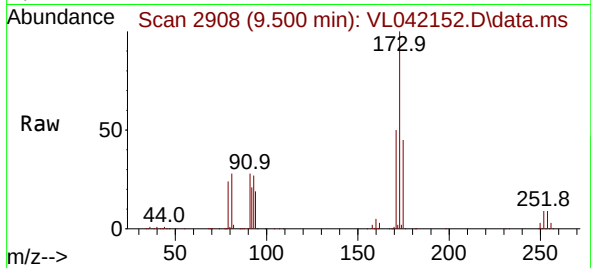




#49  
Bromoform  
Concen: 9.150 ppbv  
RT: 9.500 min Scan# 2909  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

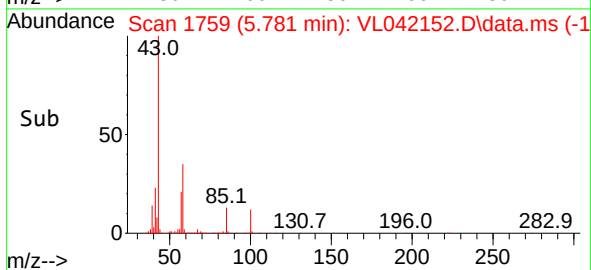
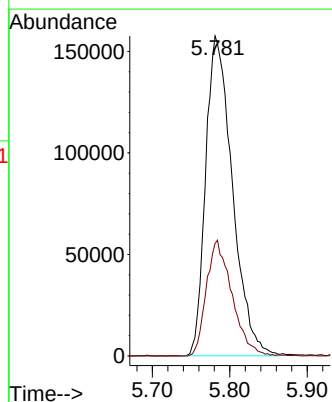
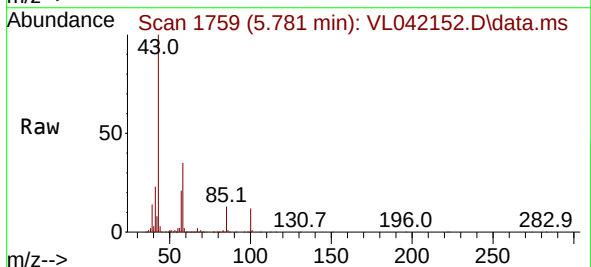
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

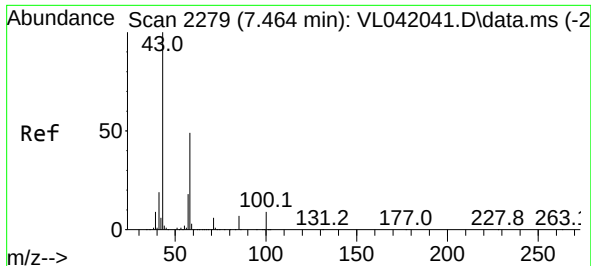
Tgt Ion:173 Resp: 203574  
Ion Ratio Lower Upper  
173 100  
175 47.4 38.3 57.5  
171 50.6 40.2 60.2



#50  
4-Methyl-2-Pentanone  
Concen: 9.252 ppbv  
RT: 5.781 min Scan# 1759  
Delta R.T. -0.007 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 378000  
Ion Ratio Lower Upper  
43 100  
58 34.9 29.3 43.9

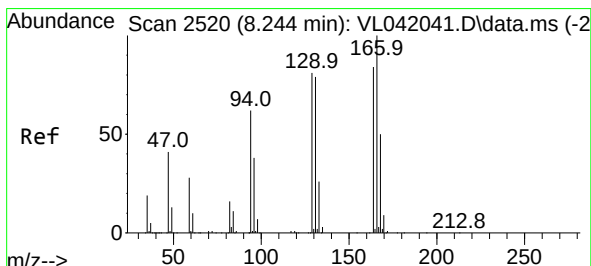
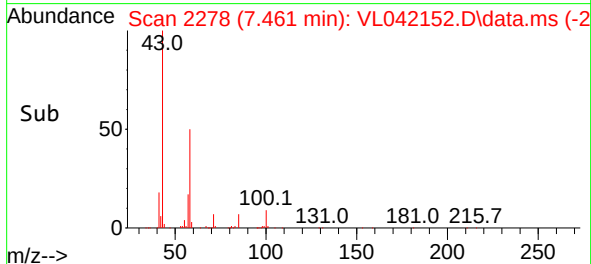
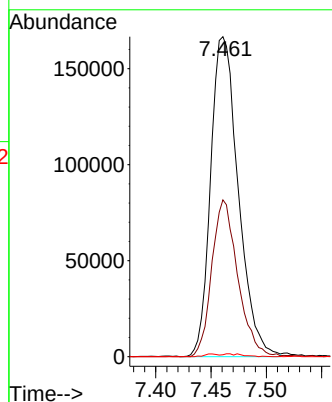
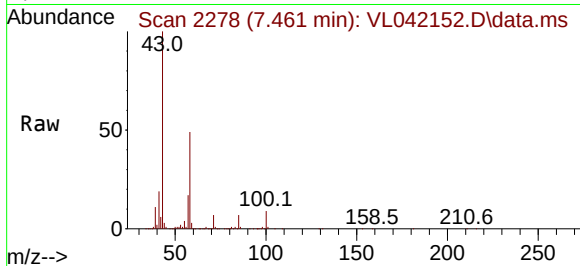




#51  
2-Hexanone  
Concen: 10.306 ppbv  
RT: 7.461 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

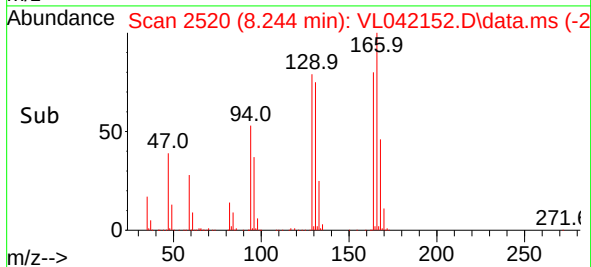
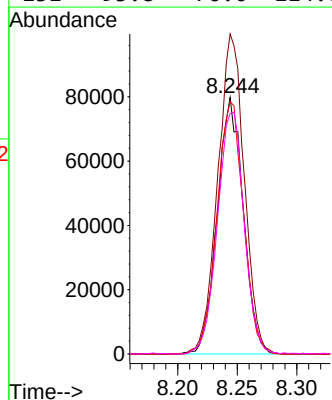
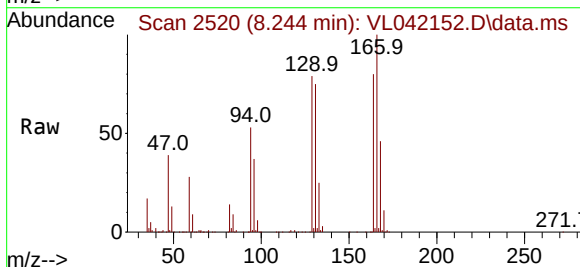
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

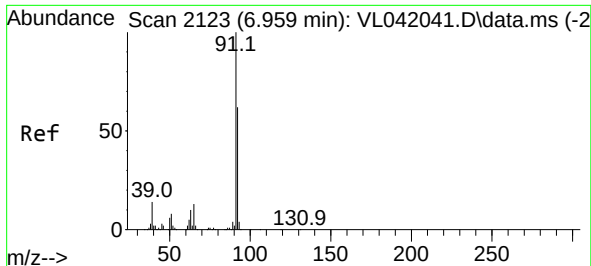
Tgt Ion: 43 Resp: 289813  
Ion Ratio Lower Upper  
43 100  
58 46.3 39.0 58.6  
98 1.1 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 8.341 ppbv  
RT: 8.244 min Scan# 2520  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion:164 Resp: 121217  
Ion Ratio Lower Upper  
164 100  
166 124.7 95.7 143.5  
129 98.4 77.1 115.7  
131 93.8 76.0 114.0

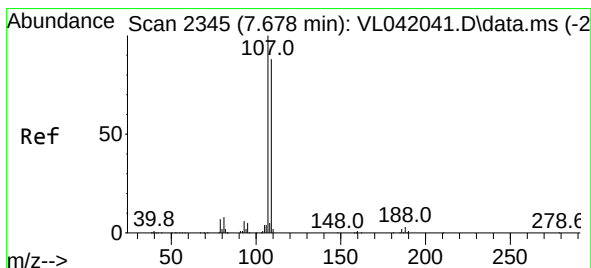
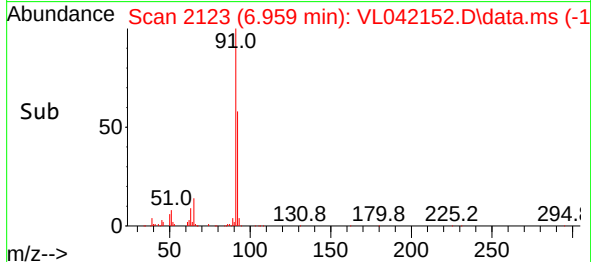
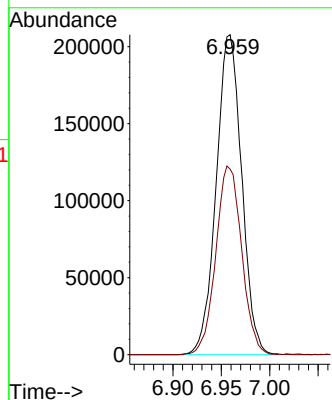
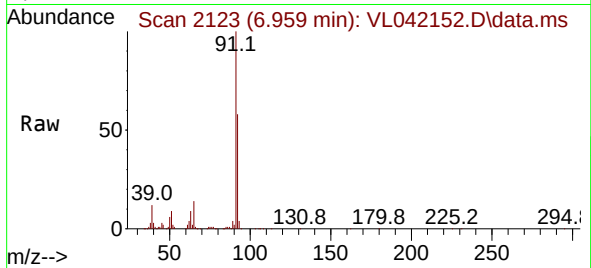




#53  
Toluene  
Concen: 8.019 ppbv  
RT: 6.959 min Scan# 2123  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

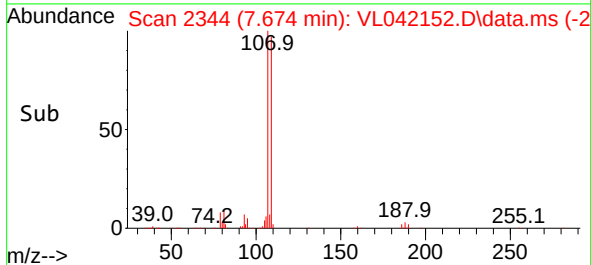
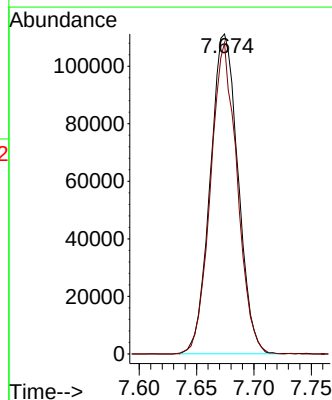
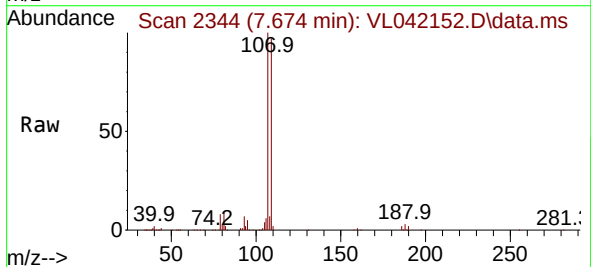
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

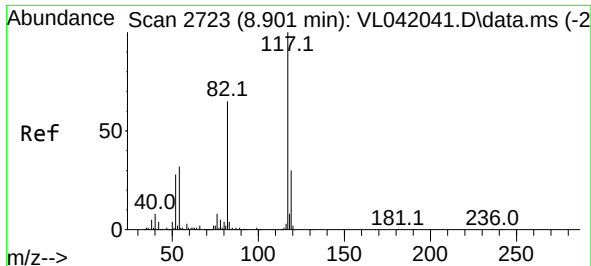
Tgt Ion: 91 Resp: 380447  
Ion Ratio Lower Upper  
91 100  
92 59.9 49.0 73.6



#54  
1,2-Dibromoethane  
Concen: 8.477 ppbv  
RT: 7.674 min Scan# 2344  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 107 Resp: 187462  
Ion Ratio Lower Upper  
107 100  
109 97.2 70.2 105.4

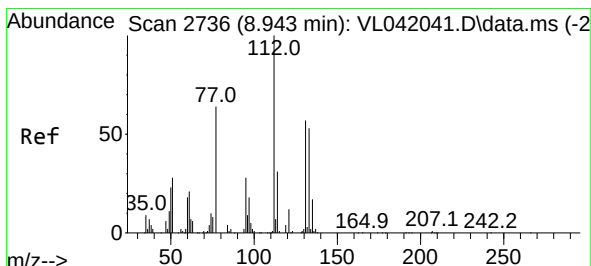
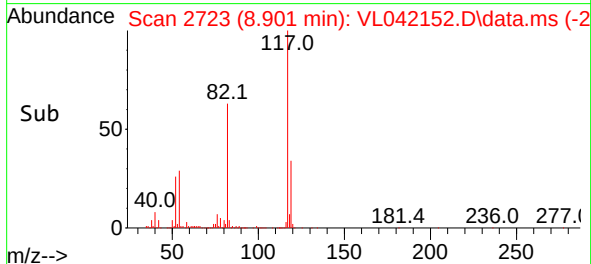
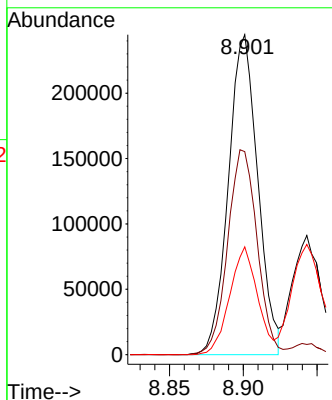
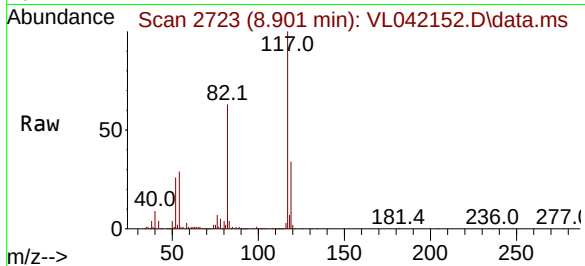




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.901 min Scan# 2723  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

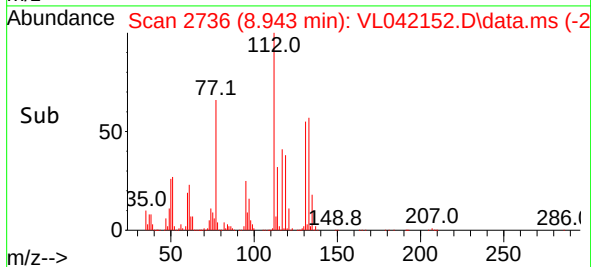
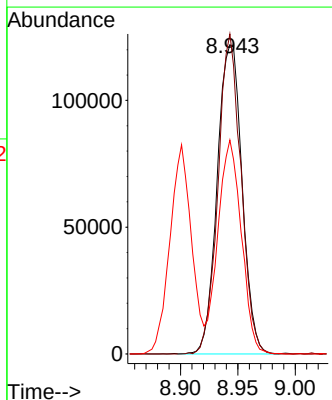
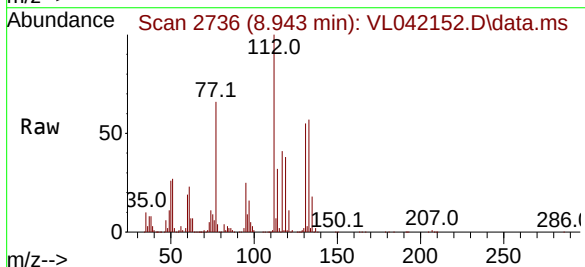
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

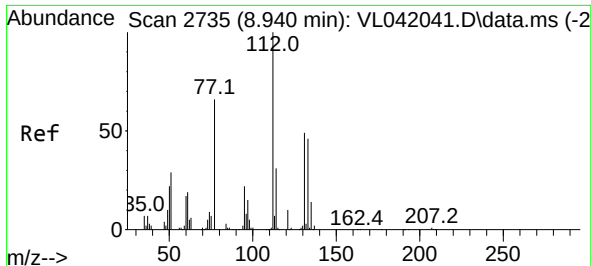
Tgt Ion:117 Resp: 339099  
Ion Ratio Lower Upper  
117 100  
82 67.6 55.0 82.6  
119 31.3 25.9 38.9



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.593 ppbv  
RT: 8.943 min Scan# 2736  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion:131 Resp: 183855  
Ion Ratio Lower Upper  
131 100  
133 95.3 75.8 113.8  
119 65.4 52.1 78.1

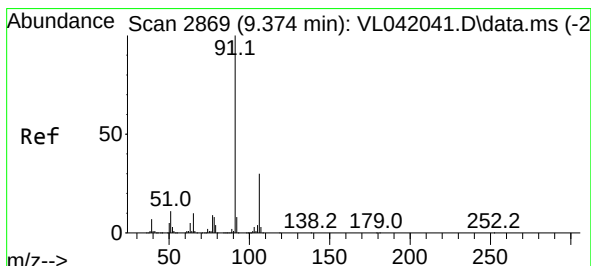
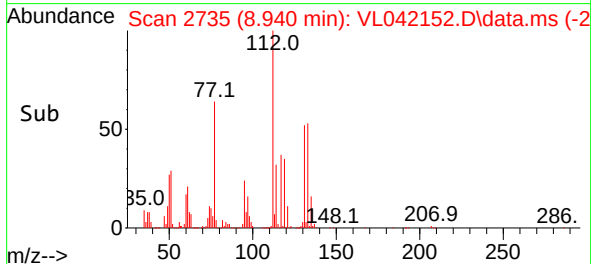
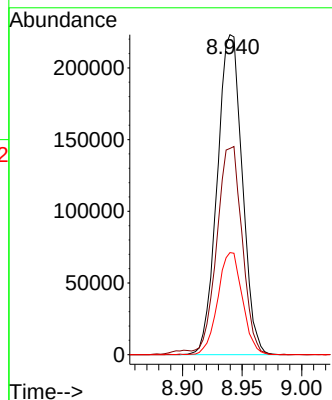
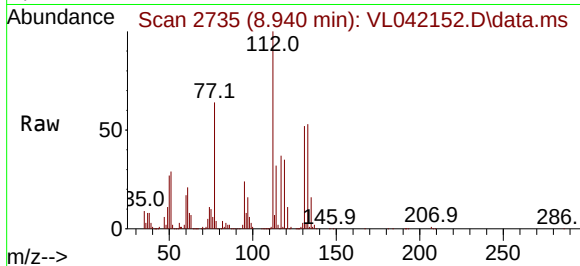




#57  
Chlorobenzene  
Concen: 9.267 ppbv  
RT: 8.940 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

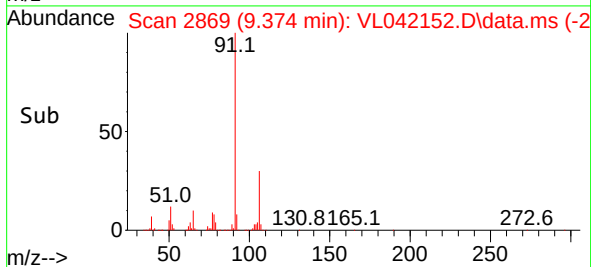
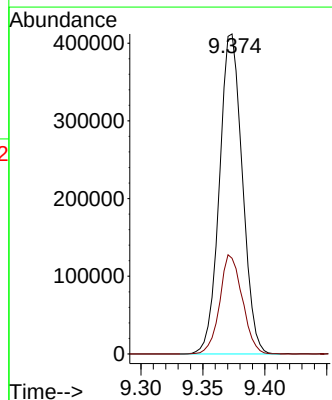
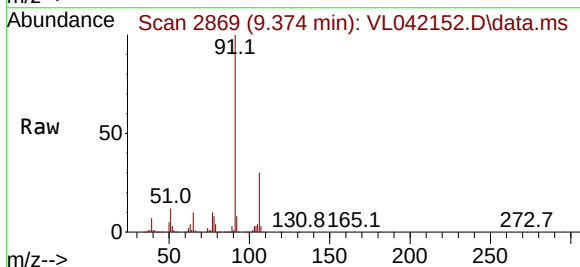
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

Tgt Ion:112 Resp: 325825  
Ion Ratio Lower Upper  
112 100  
77 64.4 53.4 80.2  
114 31.9 28.3 34.5

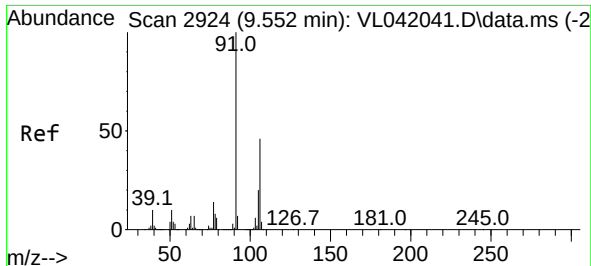


#58  
Ethyl Benzene  
Concen: 8.496 ppbv  
RT: 9.374 min Scan# 2869  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 530577  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.2 36.2







#59

m/p-Xylene

Concen: 9.349 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

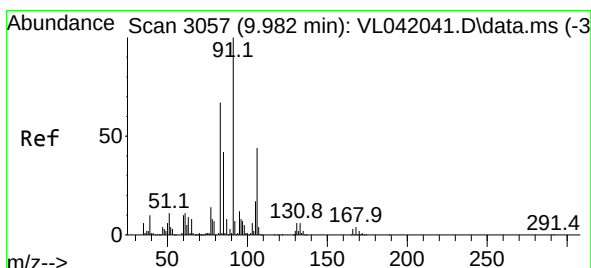
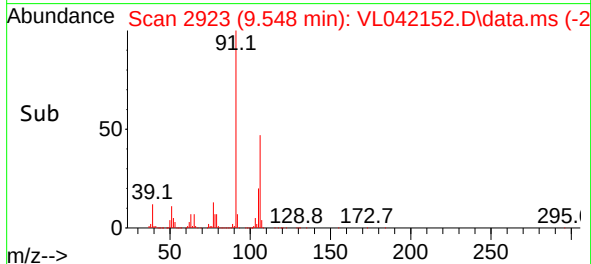
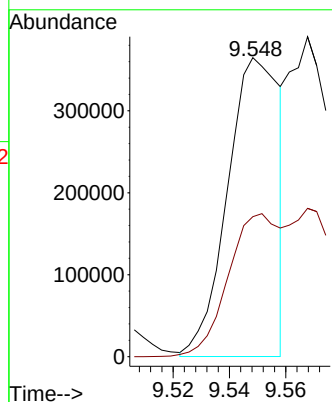
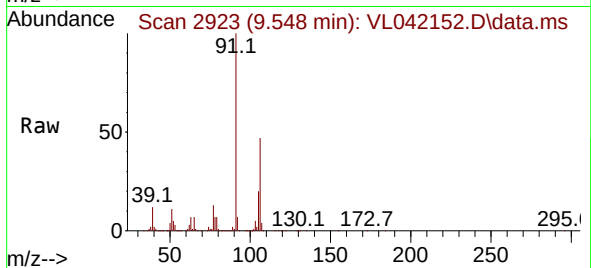
VL0317ABS01

Tgt Ion: 91 Resp: 464619

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 9.148 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.000 min

Lab File: VL042152.D

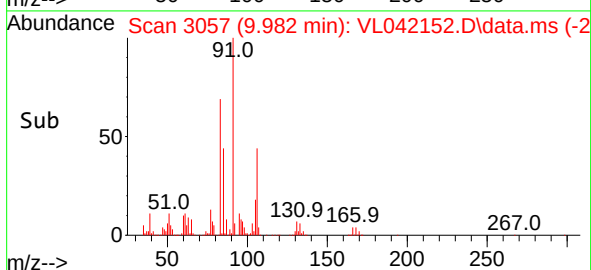
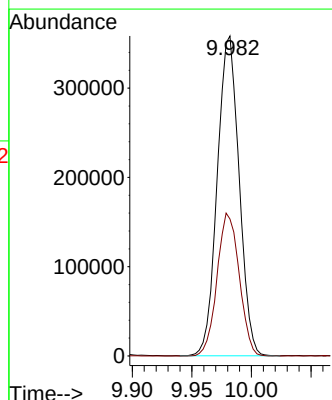
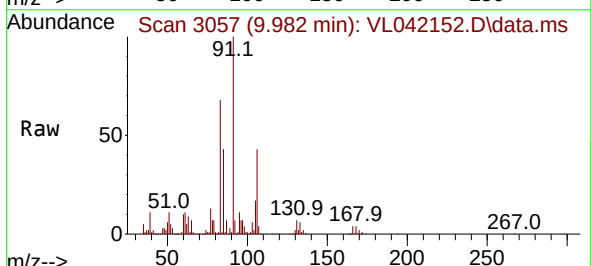
Acq: 17 Mar 2025 11:38

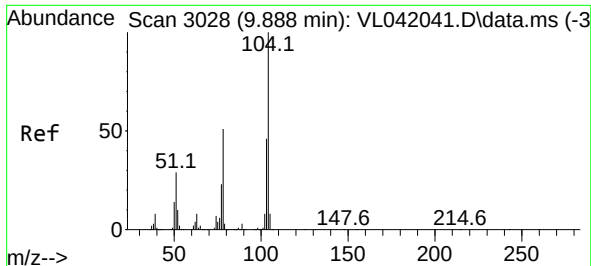
Tgt Ion: 91 Resp: 457063

Ion Ratio Lower Upper

91 100

106 45.3 22.3 66.8

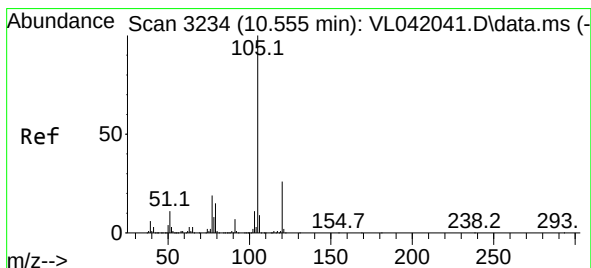
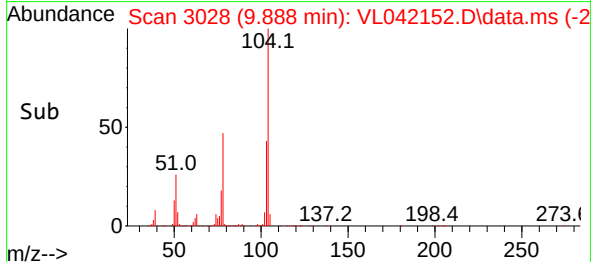
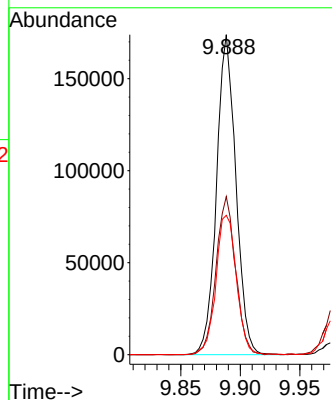
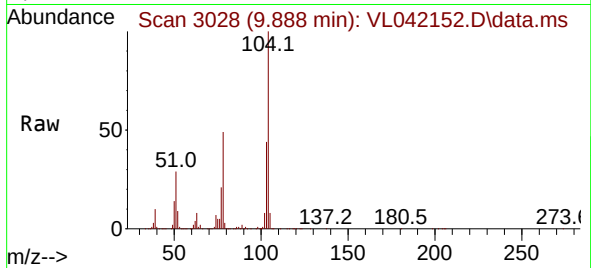




#61  
Styrene  
Concen: 8.334 ppbv  
RT: 9.888 min Scan# 3028  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

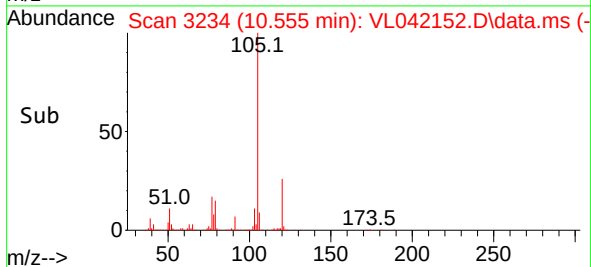
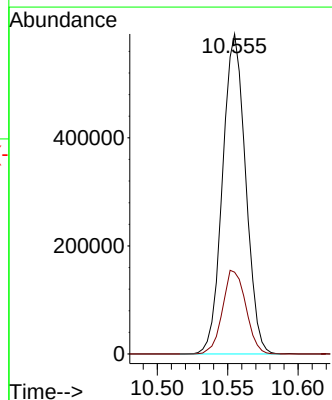
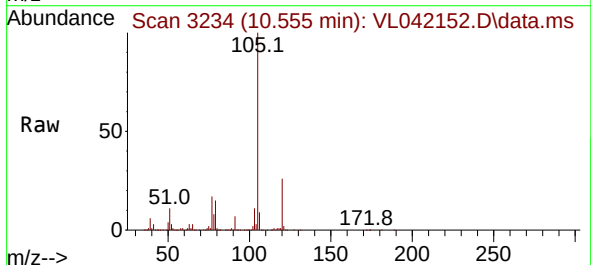
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

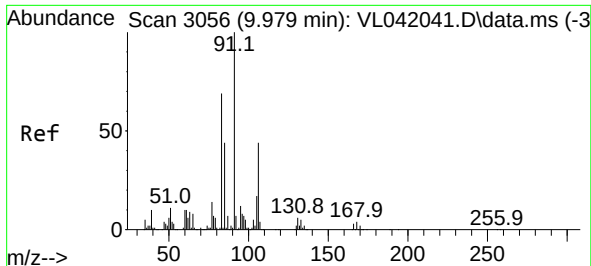
Tgt Ion:104 Resp: 195754  
Ion Ratio Lower Upper  
104 100  
78 49.9 41.0 61.4  
103 46.5 37.0 55.6



#62  
Isopropylbenzene  
Concen: 9.020 ppbv  
RT: 10.555 min Scan# 3234  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 674921  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.7 31.1

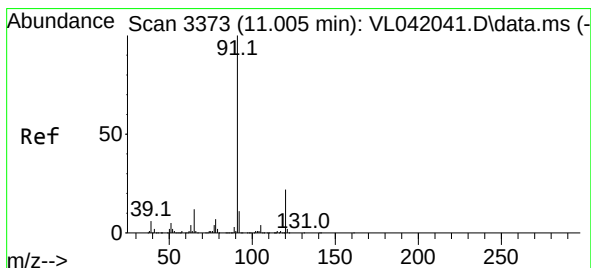
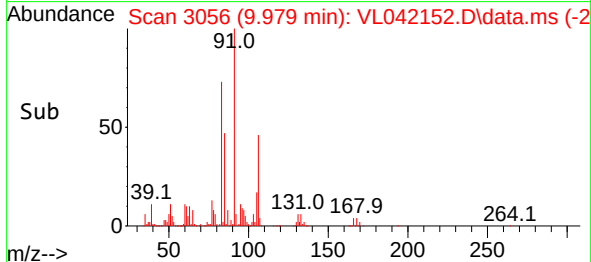
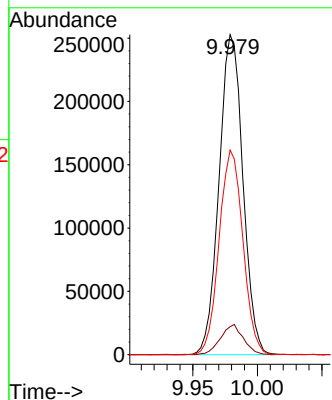
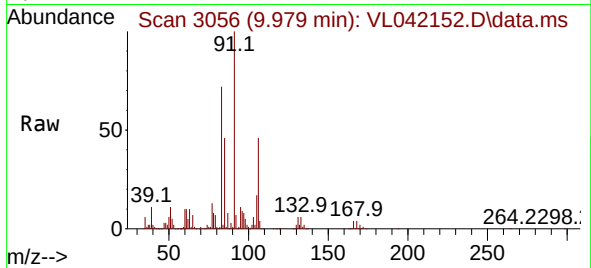




#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.864 ppbv  
RT: 9.979 min Scan# 3056  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

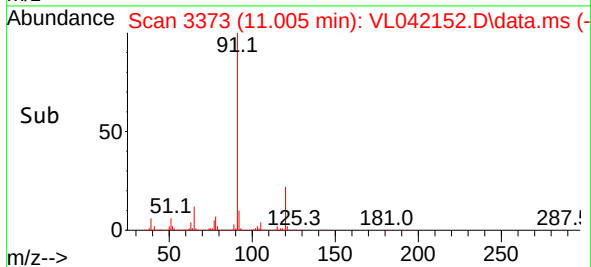
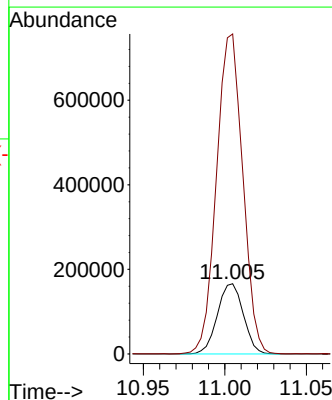
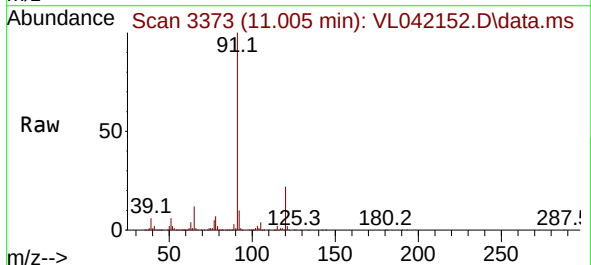
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0317ABS01

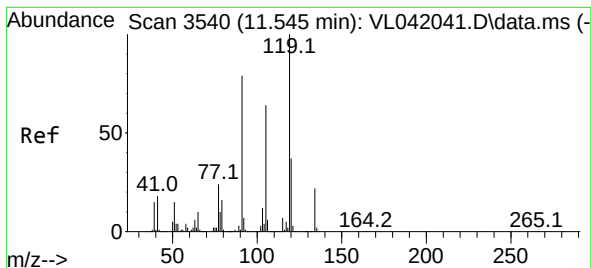
Tgt Ion: 83 Resp: 324554  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.5 13.7  
85 63.7 32.1 96.3



#64  
n-propylbenzene  
Concen: 9.363 ppbv  
RT: 11.005 min Scan# 3373  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 120 Resp: 183756  
Ion Ratio Lower Upper  
120 100  
91 462.1 370.6 556.0





#65

tert-Butylbenzene

Concen: 9.165 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

VL0317ABS01

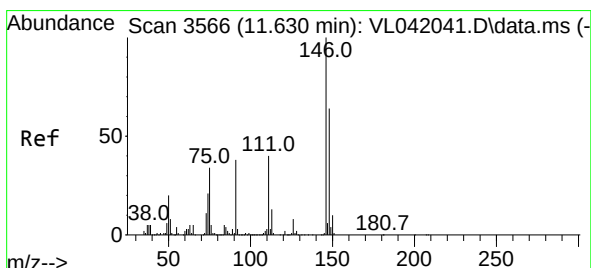
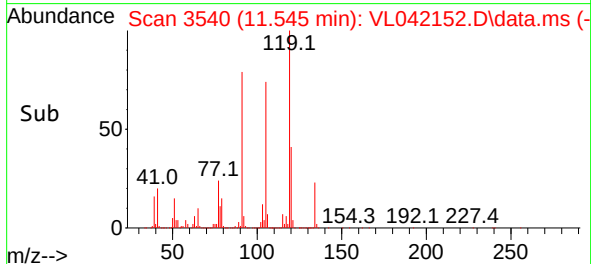
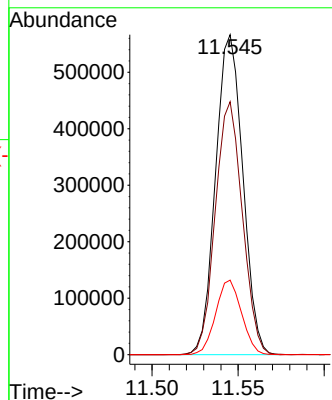
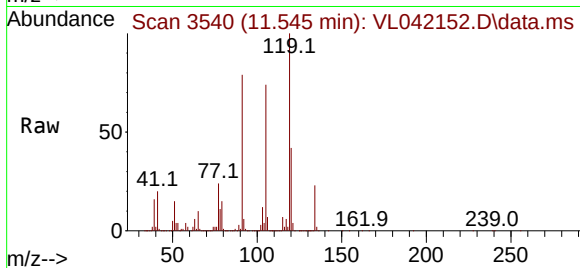
Tgt Ion:119 Resp: 624075

Ion Ratio Lower Upper

119 100

91 78.6 64.2 96.2

134 22.2 17.4 26.2



#66

Benzyl Chloride

Concen: 8.233 ppbv

RT: 11.629 min Scan# 3566

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

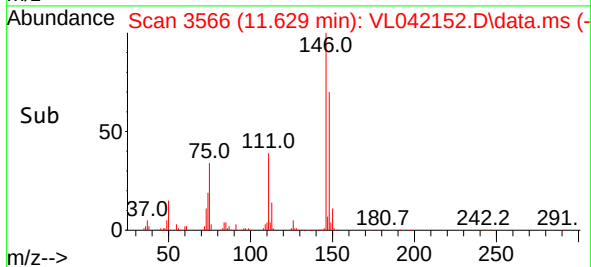
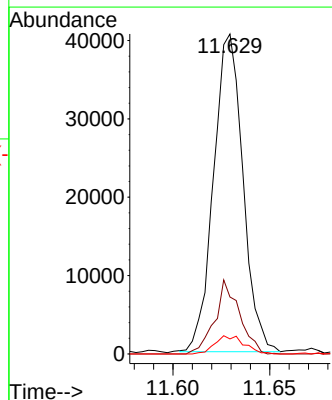
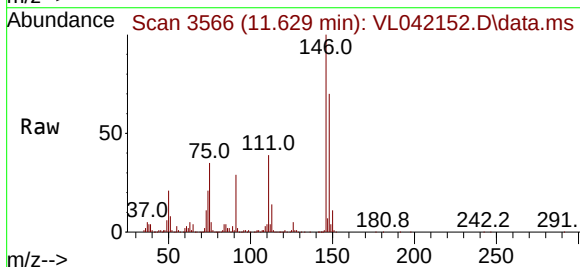
Tgt Ion: 91 Resp: 42782

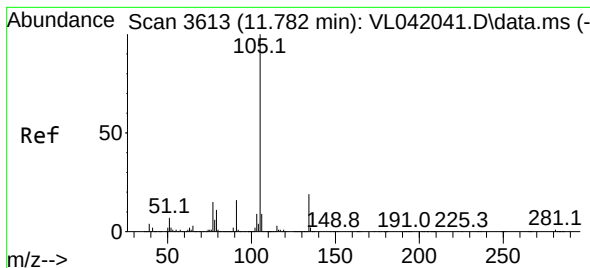
Ion Ratio Lower Upper

91 100

126 19.6 14.5 21.7

128 5.7 5.4 8.2

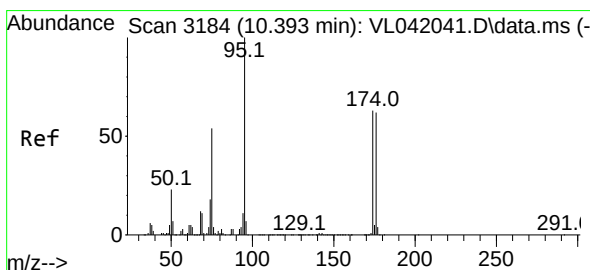
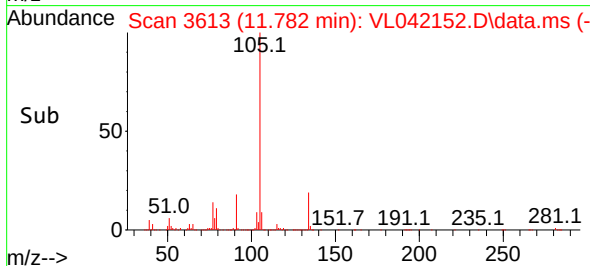
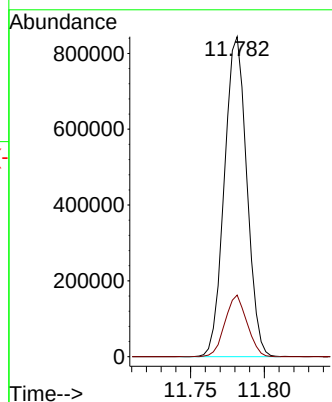
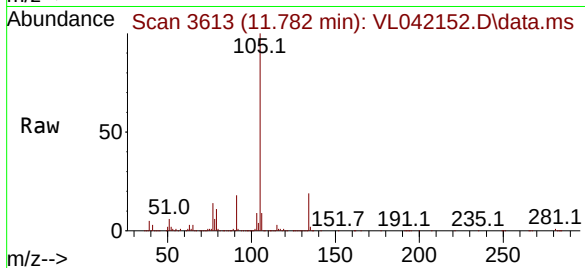




#67  
 sec-Butylbenzene  
 Concen: 9.153 ppbv  
 RT: 11.782 min Scan# 3613  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

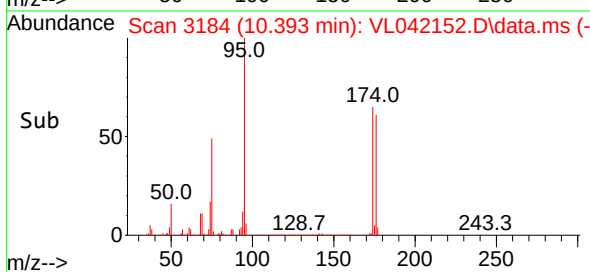
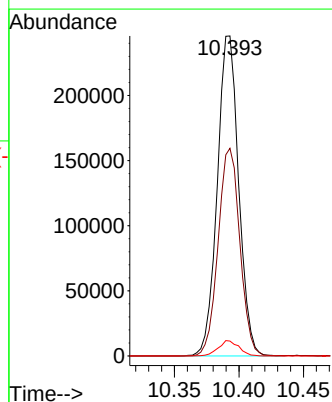
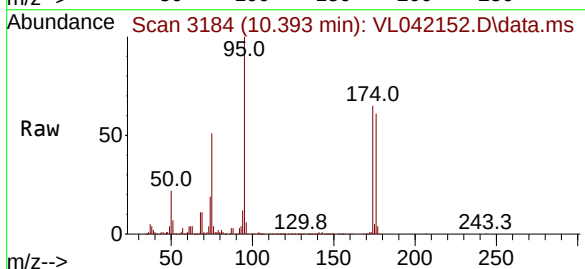
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

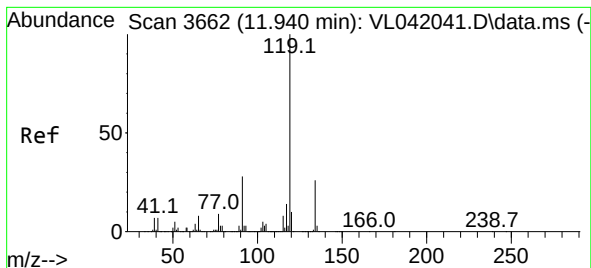
Tgt Ion:105 Resp: 891362  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 14.9 22.3



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.844 ppbv  
 RT: 10.393 min Scan# 3184  
 Delta R.T. -0.000 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Tgt Ion: 95 Resp: 282890  
 Ion Ratio Lower Upper  
 95 100  
 174 66.0 51.8 77.6  
 175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 9.204 ppbv

RT: 11.937 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

VL0317ABS01

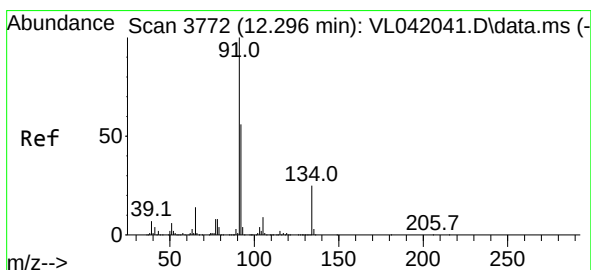
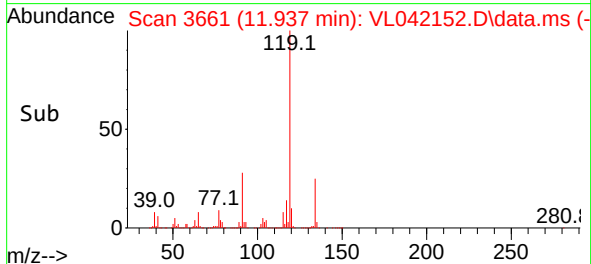
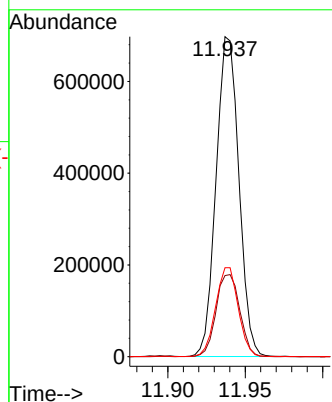
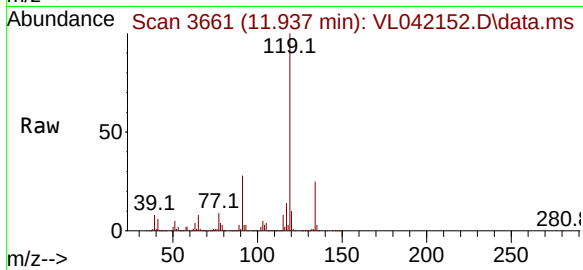
Tgt Ion:119 Resp: 713173

Ion Ratio Lower Upper

119 100

134 26.9 20.9 31.3

91 27.8 23.1 34.7



#70

n-Butylbenzene

Concen: 9.359 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.003 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

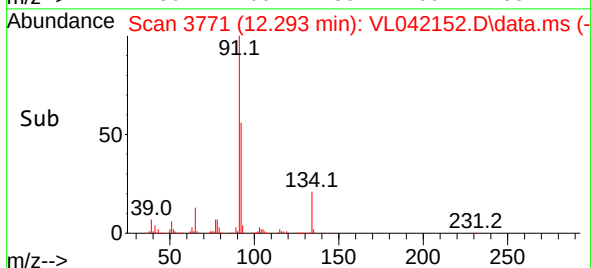
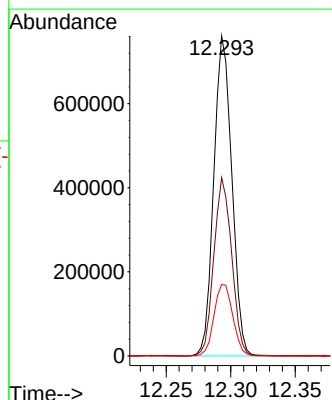
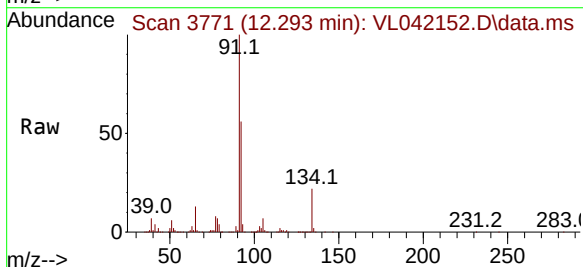
Tgt Ion: 91 Resp: 740235

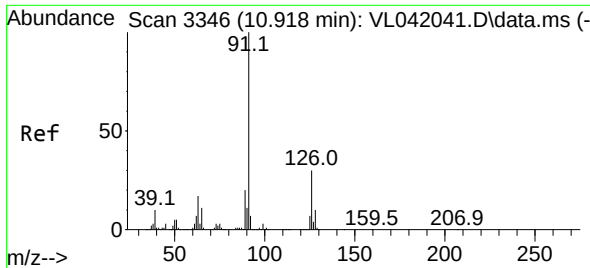
Ion Ratio Lower Upper

91 100

92 55.2 44.7 67.1

134 23.3 18.9 28.3

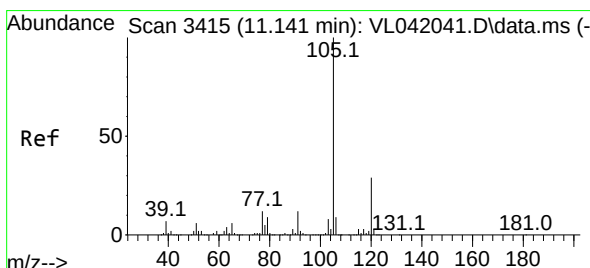
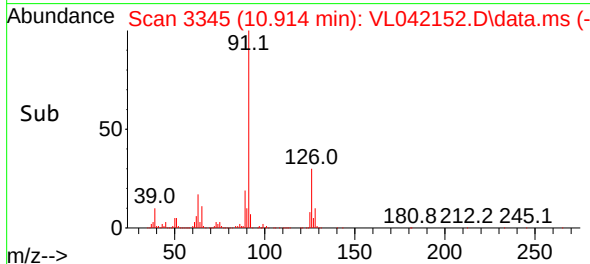
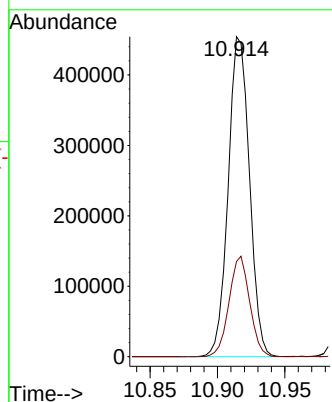
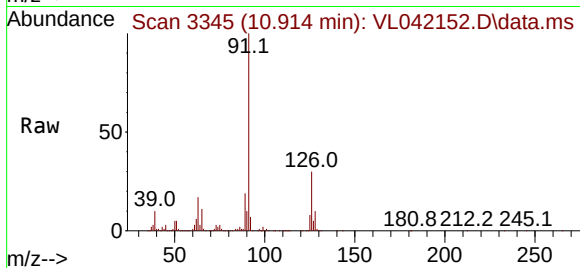




#71  
2-Chlorotoluene  
Concen: 8.648 ppbv  
RT: 10.914 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

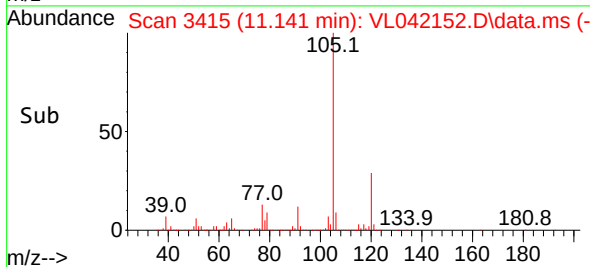
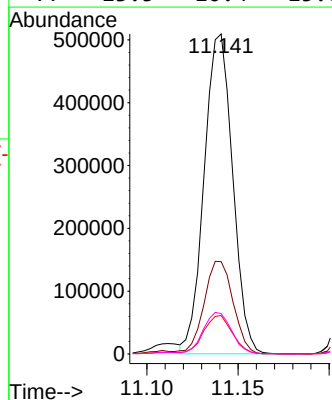
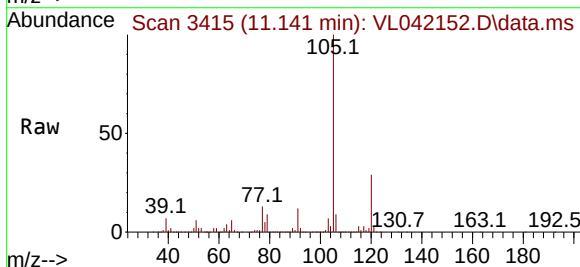
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

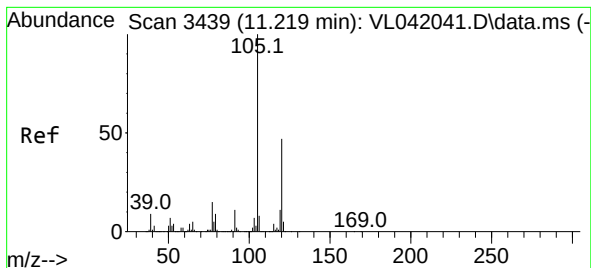
Tgt Ion: 91 Resp: 498827  
Ion Ratio Lower Upper  
91 100  
126 30.5 11.9 47.5



#72  
4-Ethyltoluene  
Concen: 9.080 ppbv  
RT: 11.141 min Scan# 3415  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion: 105 Resp: 553863  
Ion Ratio Lower Upper  
105 100  
120 30.6 24.1 36.1  
91 12.8 10.2 15.4  
77 13.5 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.891 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

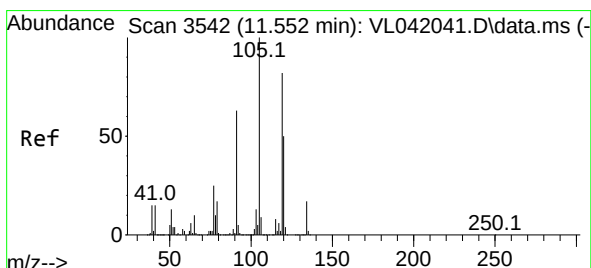
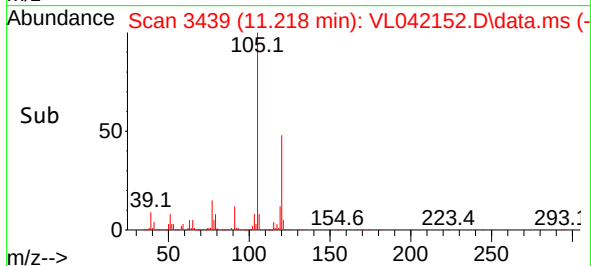
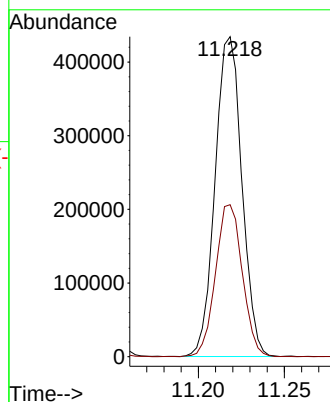
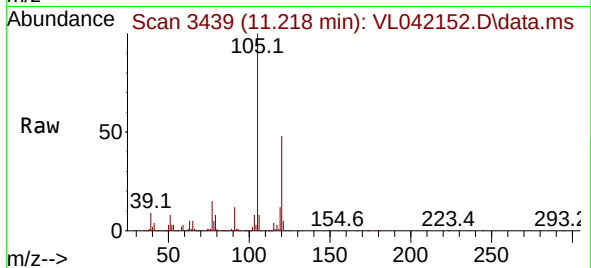
VL0317ABS01

Tgt Ion:105 Resp: 470478

Ion Ratio Lower Upper

105 100

120 47.5 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 9.173 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 546537

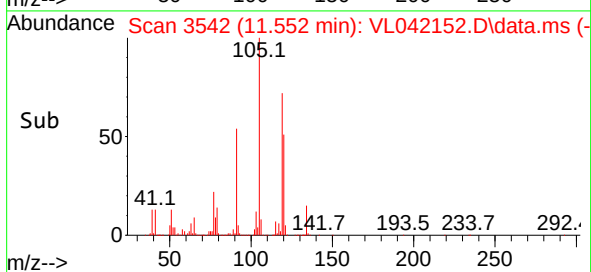
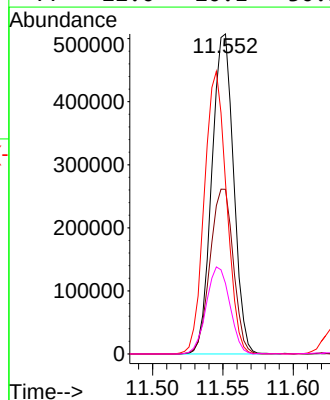
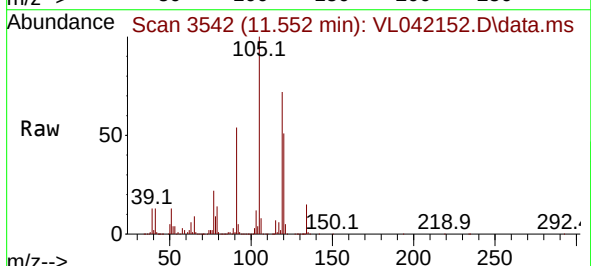
Ion Ratio Lower Upper

105 100

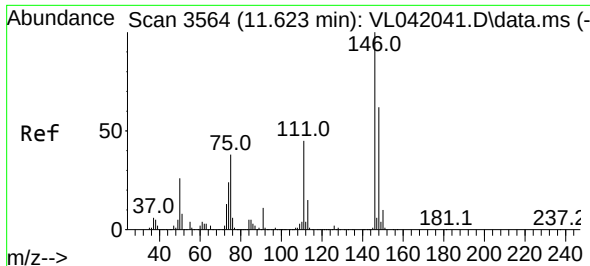
120 51.4 40.2 60.2

91 53.6 51.4 77.2

77 22.0 20.1 30.1



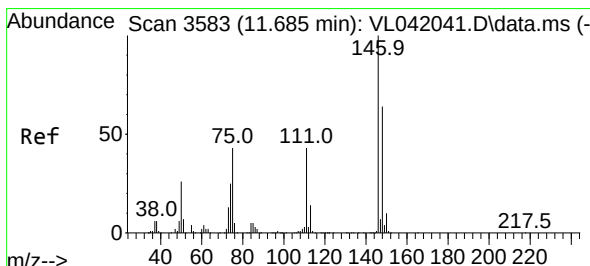
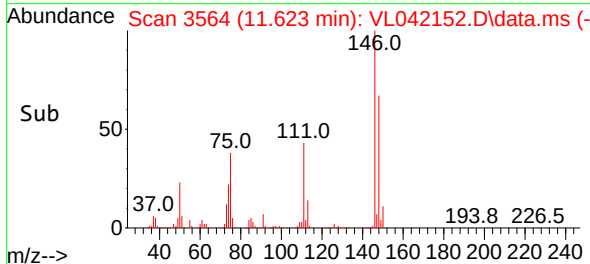
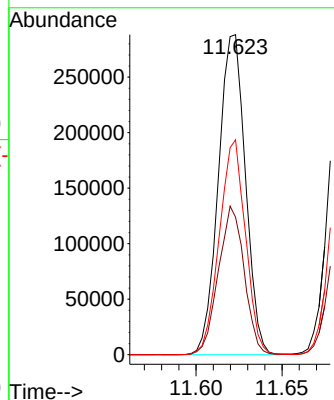
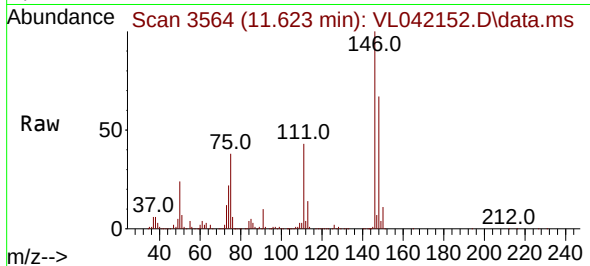




#75  
1,3-Dichlorobenzene  
Concen: 9.193 ppbv  
RT: 11.623 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

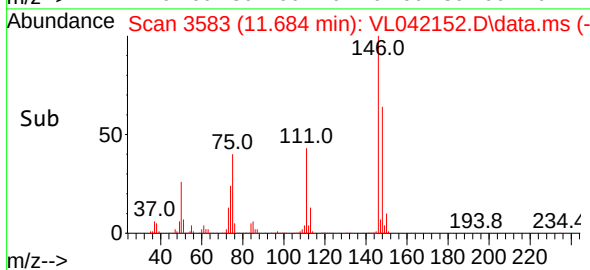
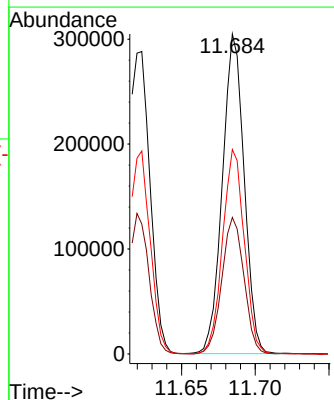
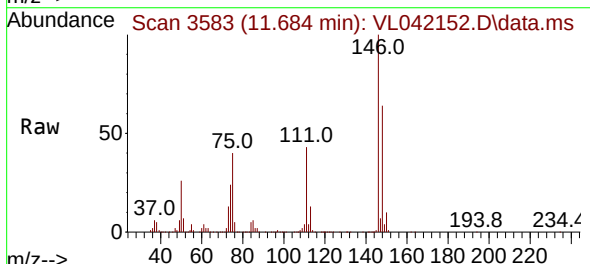
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

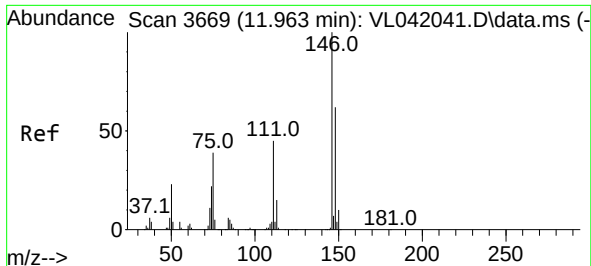
Tgt Ion:146 Resp: 315233  
Ion Ratio Lower Upper  
146 100  
111 44.4 22.4 67.2  
148 65.0 32.3 96.8



#76  
1,4-Dichlorobenzene  
Concen: 9.170 ppbv  
RT: 11.684 min Scan# 3583  
Delta R.T. -0.000 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion:146 Resp: 312196  
Ion Ratio Lower Upper  
146 100  
111 43.4 21.5 64.5  
148 64.1 31.6 95.0

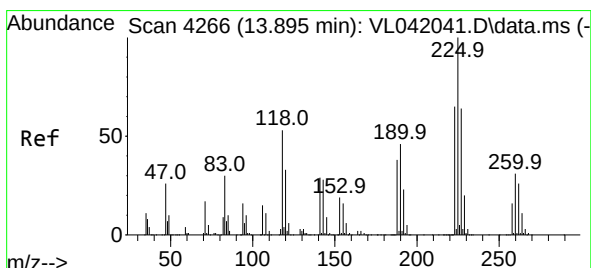
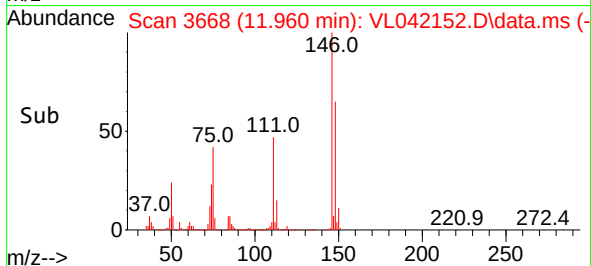
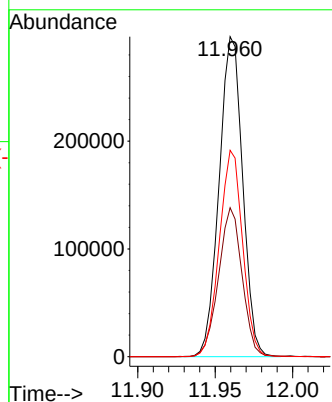
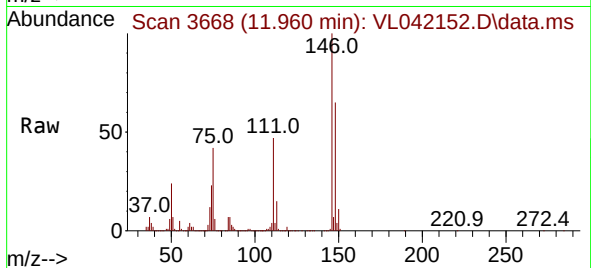




#77  
1,2-Dichlorobenzene  
Concen: 9.436 ppbv  
RT: 11.960 min Scan# 30  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

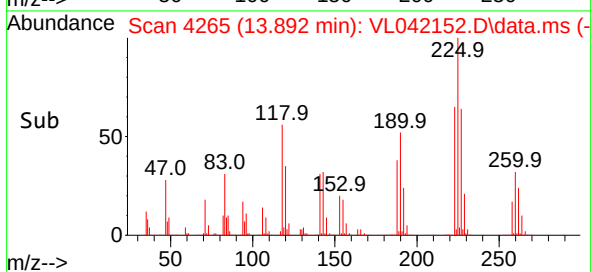
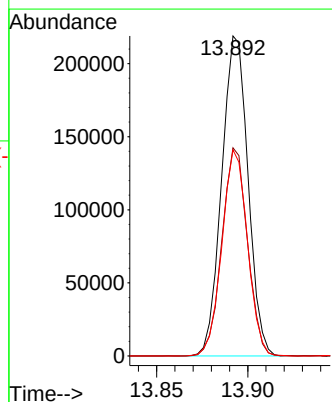
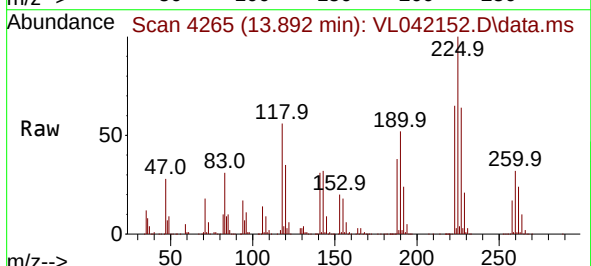
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0317ABS01

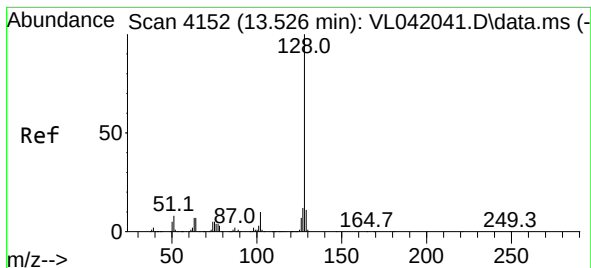
Tgt Ion:146 Resp: 313994  
Ion Ratio Lower Upper  
146 100  
111 46.5 23.2 69.6  
148 63.9 31.4 94.2



#78  
Hexachloro-1,3-Butadiene  
Concen: 8.487 ppbv  
RT: 13.892 min Scan# 4265  
Delta R.T. -0.003 min  
Lab File: VL042152.D  
Acq: 17 Mar 2025 11:38

Tgt Ion:225 Resp: 219764  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.2 75.2  
227 62.5 50.8 76.2





#79

Naphthalene

Concen: 11.049 ppbv

RT: 13.526 min Scan# 4152

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

Instrument :

MSVOA\_L

ClientSampleId :

VL0317ABS01

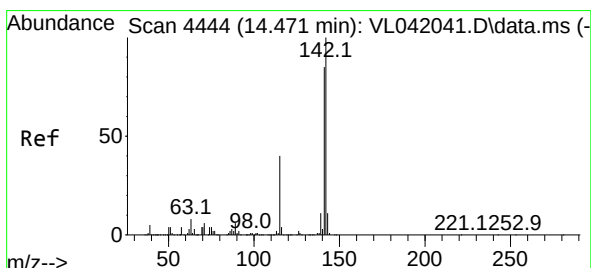
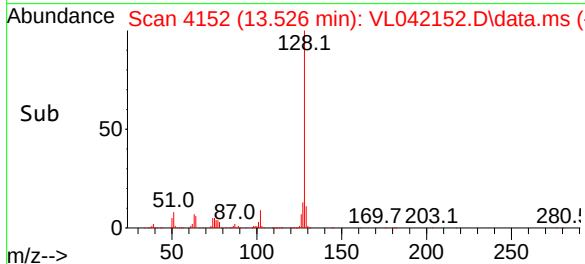
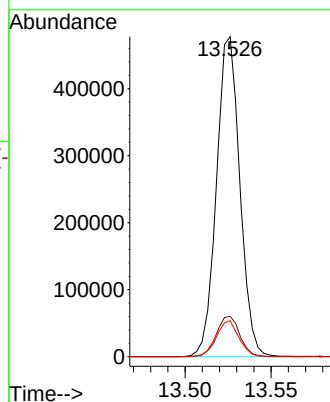
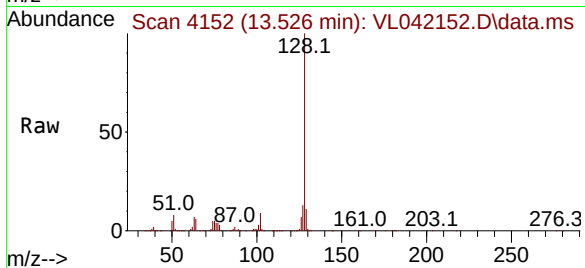
Tgt Ion:128 Resp: 451423

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.6

129 11.2 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 12.529 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. -0.000 min

Lab File: VL042152.D

Acq: 17 Mar 2025 11:38

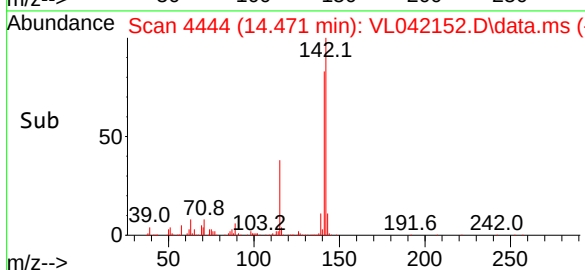
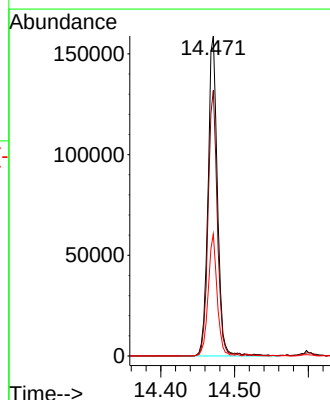
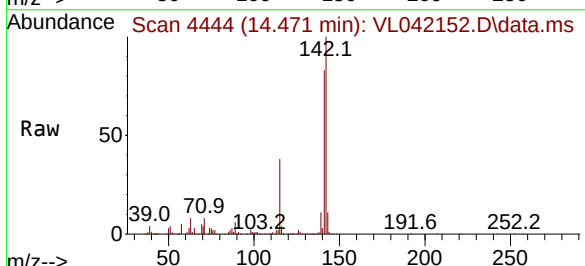
Tgt Ion:142 Resp: 140075

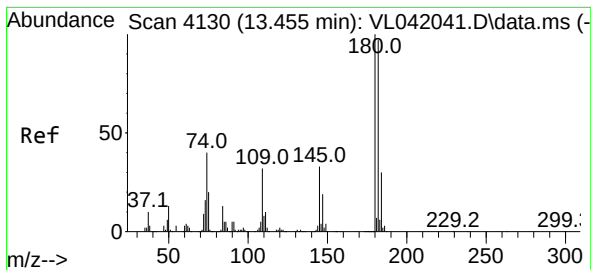
Ion Ratio Lower Upper

142 100

141 82.4 65.8 98.6

115 36.9 29.5 44.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.192 ppbv  
 RT: 13.452 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL042152.D  
 Acq: 17 Mar 2025 11:38

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0317ABS01

Tgt Ion:180 Resp: 209284  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 75.1 112.7  
 184 30.6 23.8 35.6

