

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041525\  
 Data File : VL042336.D  
 Acq On : 15 Apr 2025 17:14  
 Operator : SY/MD  
 Sample : Q1802-01 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Quant Time: Apr 16 01:34:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Mar 28 02:00:52 2025  
 Response via : Initial Calibration

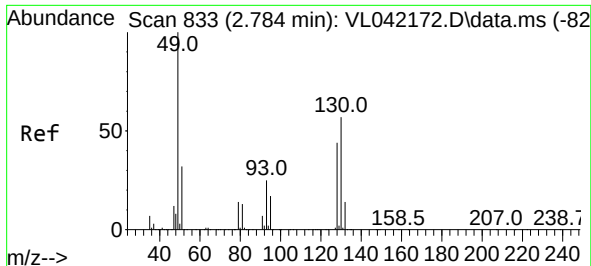
| Compound                     | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                        |           |       |          |          |        |          |
| Internal Standards           |           |       |          |          |        |          |
| 1) Bromochloromethane        | 2.816     | 49    | 187159   | 10.000   | ppbv   | 0.03     |
| 33) 1,4-Difluorobenzene      | 4.001     | 114   | 441424   | 10.000   | ppbv   | 0.05     |
| 55) Chlorobenzene-d5         | 8.917     | 117   | 401113   | 10.000   | ppbv   | 0.04     |
| System Monitoring Compounds  |           |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene  | 10.406    | 95    | 347560   | 10.551   | ppbv   | 0.04     |
| Spiked Amount                | 10.000    | Range | 65 - 135 | Recovery | =      | 105.500% |
| Target Compounds             |           |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.505     | 85    | 3034     | 0.110    | ppbv   | 93       |
| 3) Chlorodifluoromethane     | 1.470     | 51    | 1211544  | 42.917   | ppbv # | 58       |
| 4) Chloromethane             | 1.541     | 50    | 578      | 0.051    | ppbv # | 70       |
| 7) Chloroethane              | 1.473     | 64    | 64814    | 14.297   | ppbv   | 95       |
| 8) Dichlorotetrafluoroethane | 1.505     | 85    | 3034     | 0.129    | ppbv # | 22       |
| 9) Propene                   | 1.492     | 41    | 8160     | 0.631    | ppbv   | 96       |
| 10) Heptane                  | 5.030     | 43    | 1277     | 0.037    | ppbv # | 28       |
| 11) Trichlorofluoromethane   | 1.890     | 101   | 1223     | 0.045    | ppbv   | 92       |
| 13) Ethanol                  | 1.735     | 45    | 27277    | 22.300   | ppbv # | 27       |
| 15) Acetone                  | 1.855     | 43    | 36128    | 1.380    | ppbv # | 4        |
| 16) 1,3-Butadiene            | 1.628     | 39    | 4659     | 0.364    | ppbv # | 11       |
| 17) tert-Butyl alcohol       | 2.062     | 59    | 2117     | 0.065    | ppbv # | 71       |
| 19) Isopropyl Alcohol        | 1.735     | 45    | 27277    | 1.847    | ppbv # | 51       |
| 20) Methylene Chloride       | 2.081     | 84    | 2029     | 0.208    | ppbv # | 81       |
| 21) Allyl Chloride           | 2.097     | 41    | 807      | 0.044    | ppbv # | 64       |
| 22) trans-1,2-Dichloroethene | 2.748     | 96    | 15326    | 1.283    | ppbv   | 80       |
| 23) Vinyl Acetate            | 2.499     | 43    | 7808     | 0.689    | ppbv # | 33       |
| 25) Ethyl Acetate            | 2.855     | 43    | 4118     | 0.061    | ppbv # | 73       |
| 26) Hexane                   | 2.858     | 57    | 4910     | 0.187    | ppbv # | 1        |
| 27) Carbon Disulfide         | 2.165     | 76    | 1278     | 0.045    | ppbv # | 71       |
| 29) Chloroform               | 2.877     | 83    | 95381    | 2.484    | ppbv   | 96       |
| 31) cis-1,2-Dichloroethene   | 2.748     | 61    | 21485    | 0.807    | ppbv   | 94       |
| 34) 2-Butanone               | 2.583     | 43    | 200144   | 6.253    | ppbv   | 97       |
| 36) Benzene                  | 3.696     | 78    | 2912     | 0.067    | ppbv # | 81       |
| 38) Trichloroethene          | 4.593     | 130   | 78558    | 4.302    | ppbv   | 92       |
| 39) 1,2-Dichloropropane      | 4.001     | 63    | 114035   | 7.155    | ppbv # | 23       |
| 41) Tetrahydrofuran          | 3.104     | 42    | 1304     | 0.071    | ppbv # | 61       |
| 44) 2,2,4-Trimethylpentane   | 4.690     | 57    | 16864    | 0.228    | ppbv # | 56       |
| 51) 2-Hexanone               | 7.486     | 43    | 30458    | 0.731    | ppbv # | 82       |
| 52) Tetrachloroethene        | 8.270     | 164   | 1681038  | 96.862   | ppbv   | 95       |
| 53) Toluene                  | 6.985     | 91    | 26241    | 0.506    | ppbv   | 100      |
| 58) Ethyl Benzene            | 9.386     | 91    | 7529     | 0.106    | ppbv   | 97       |
| 59) m/p-Xylene               | 9.561     | 91    | 28519    | 0.501    | ppbv   | 98       |
| 60) o-Xylene                 | 9.995     | 91    | 17051    | 0.299    | ppbv   | 88       |
| 64) n-propylbenzene          | 11.018    | 120   | 1876     | 0.085    | ppbv # | 9        |
| 65) tert-Butylbenzene        | 11.908    | 119   | 2841     | 0.036    | ppbv   | 96       |
| 66) Benzyl Chloride          | 11.662    | 91    | 321      | 0.038    | ppbv # | 64       |
| 72) 4-Ethyltoluene           | 11.150    | 105   | 8741     | 0.123    | ppbv # | 55       |
| 73) 1,3,5-Trimethylbenzene   | 11.234    | 105   | 5918     | 0.095    | ppbv # | 83       |
| 74) 1,2,4-Trimethylbenzene   | 11.561    | 105   | 36517    | 0.511    | ppbv # | 67       |
| -----                        |           |       |          |          |        |          |

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

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
SV1

Quant Time: Apr 16 01:34:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri Mar 28 02:00:52 2025  
Response via : Initial Calibration

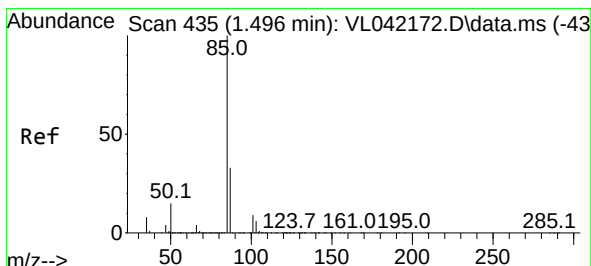
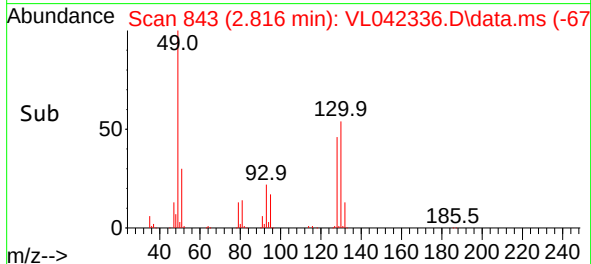
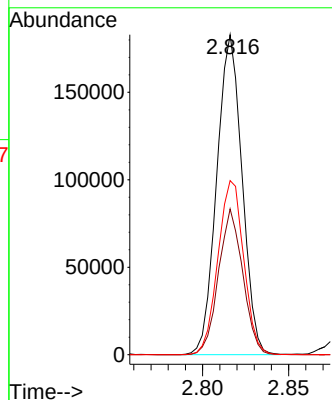
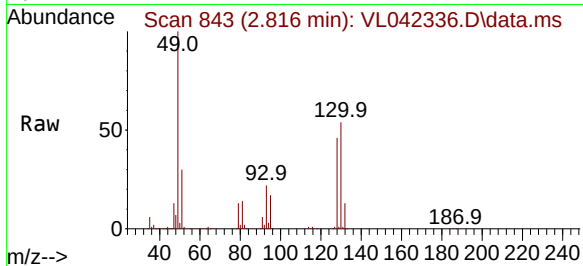




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.816 min Scan# 84  
Delta R.T. 0.032 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

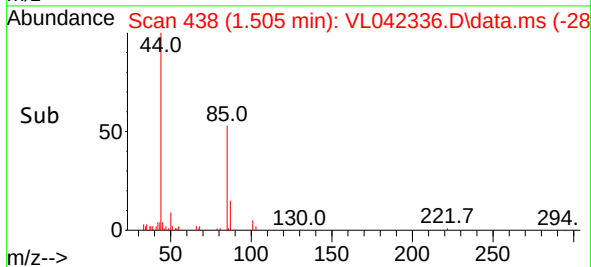
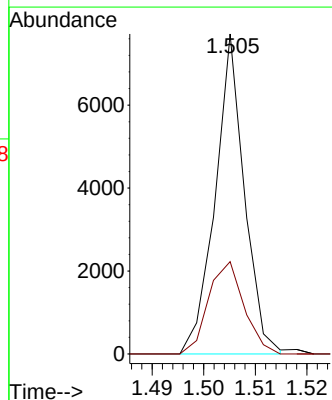
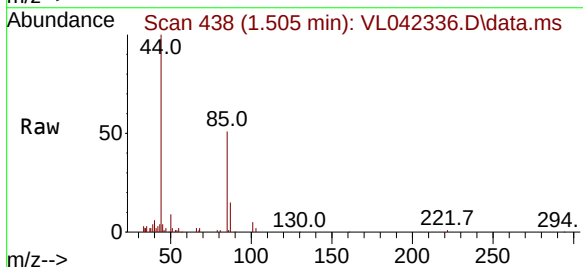
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

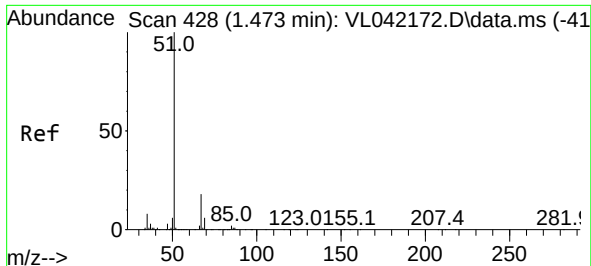
Tgt Ion: 49 Resp: 187159  
Ion Ratio Lower Upper  
49 100  
128 43.7 22.9 68.5  
130 55.4 28.8 86.4



#2  
Dichlorodifluoromethane  
Concen: 0.110 ppbv  
RT: 1.505 min Scan# 438  
Delta R.T. 0.009 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 85 Resp: 3034  
Ion Ratio Lower Upper  
85 100  
87 28.9 26.1 39.1

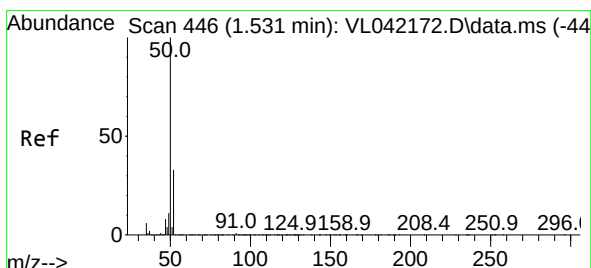
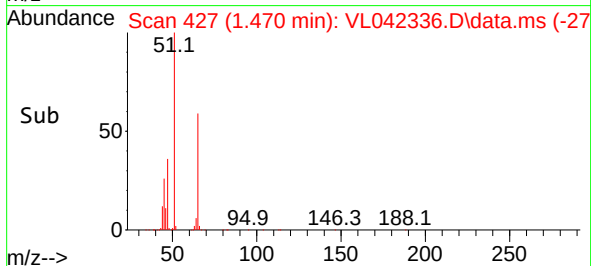
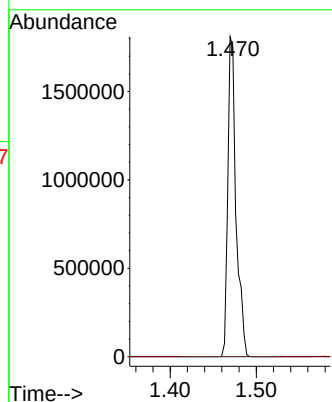
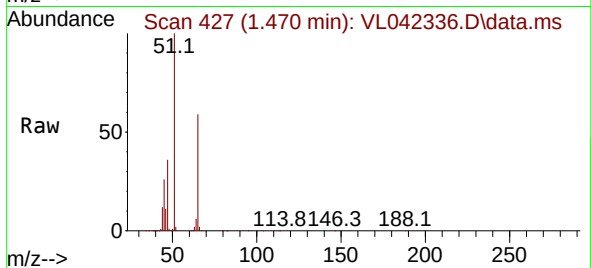




#3  
Chlorodifluoromethane  
Concen: 42.917 ppbv  
RT: 1.470 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

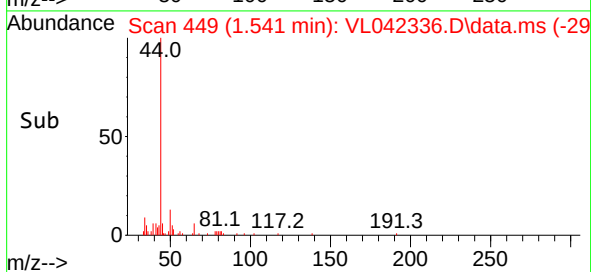
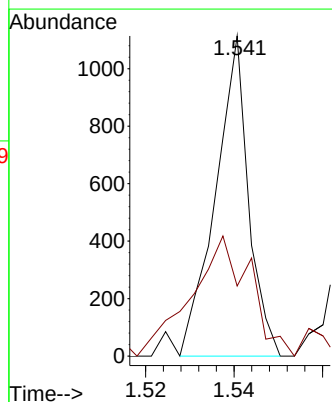
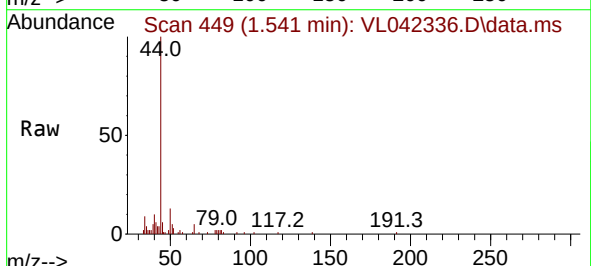
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

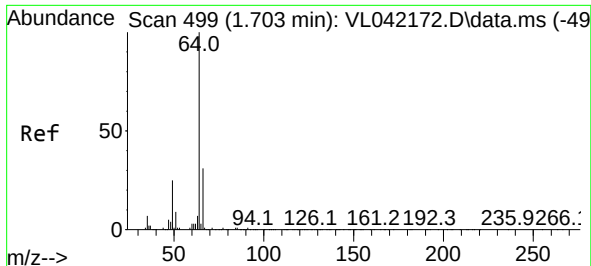
Tgt Ion: 51 Resp: 1211544  
Ion Ratio Lower Upper  
51 100  
67 0.0 15.0 22.6#



#4  
Chloromethane  
Concen: 0.051 ppbv  
RT: 1.541 min Scan# 449  
Delta R.T. 0.009 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 50 Resp: 578  
Ion Ratio Lower Upper  
50 100  
52 15.7 26.1 39.1#

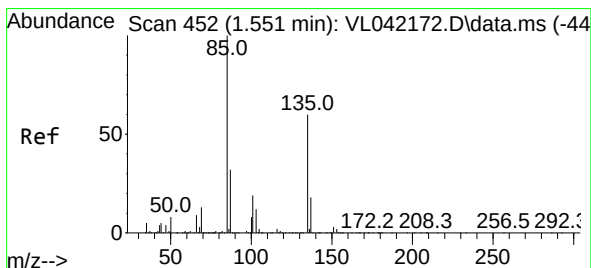
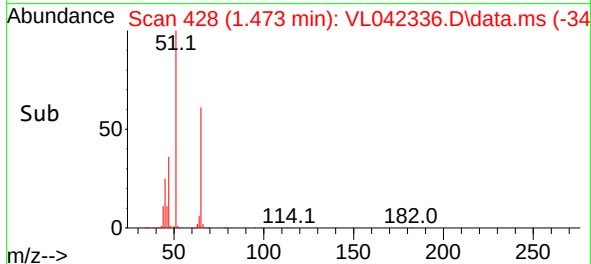
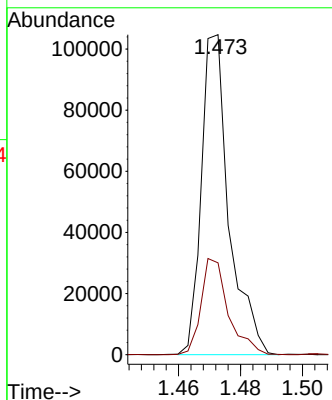
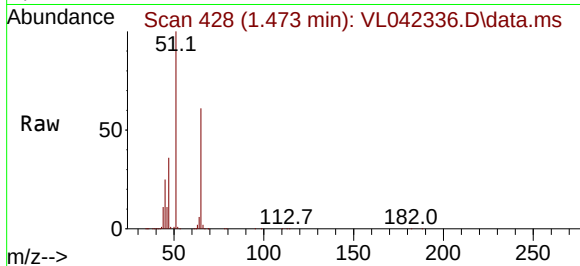




#7  
Chloroethane  
Concen: 14.297 ppbv  
RT: 1.473 min Scan# 41  
Delta R.T. -0.230 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

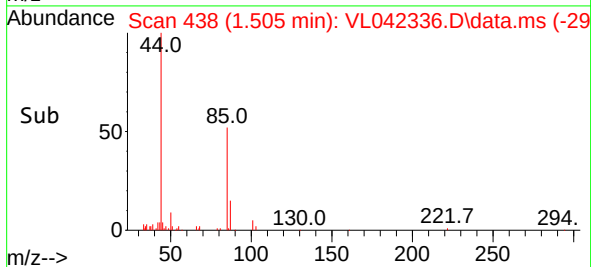
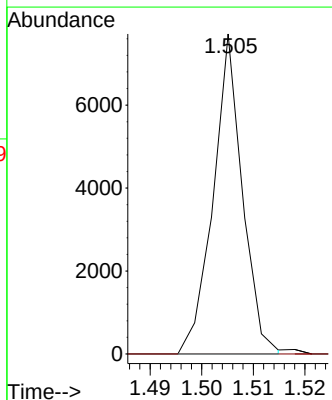
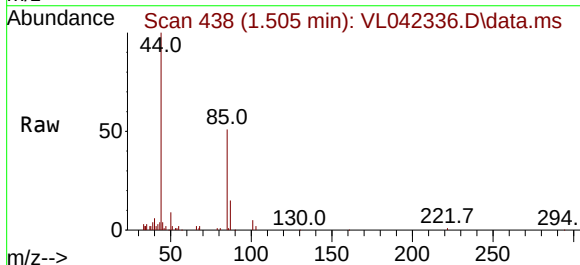
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

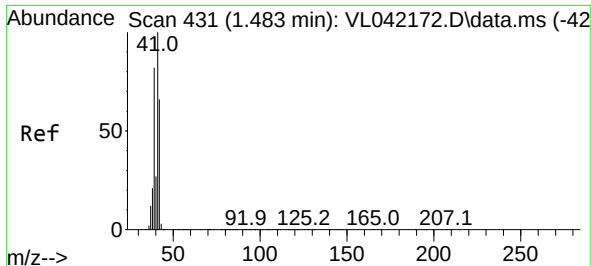
Tgt Ion: 64 Resp: 64814  
Ion Ratio Lower Upper  
64 100  
66 28.7 25.2 37.8



#8  
Dichlorotetrafluoroethane  
Concen: 0.129 ppbv  
RT: 1.505 min Scan# 438  
Delta R.T. -0.046 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 85 Resp: 3034  
Ion Ratio Lower Upper  
85 100  
135 3.4 52.4 78.6#





#9

Propene

Concen: 0.631 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.009 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

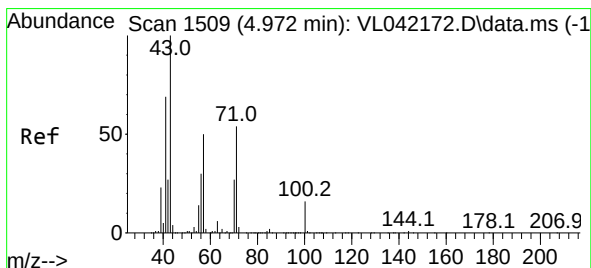
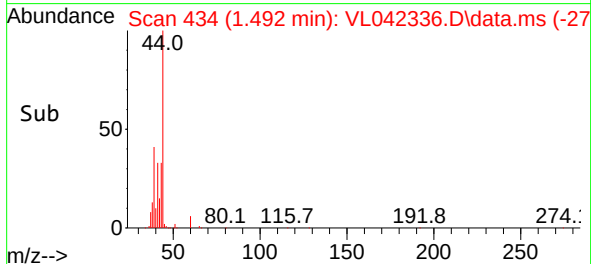
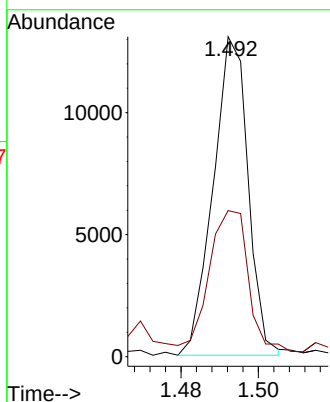
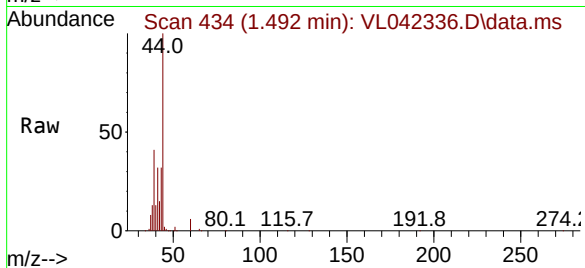
SV1

Tgt Ion: 41 Resp: 8160

Ion Ratio Lower Upper

41 100

42 72.4 55.4 83.2



#10

Heptane

Concen: 0.037 ppbv

RT: 5.030 min Scan# 1527

Delta R.T. 0.058 min

Lab File: VL042336.D

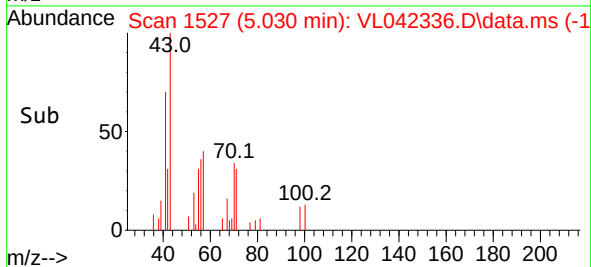
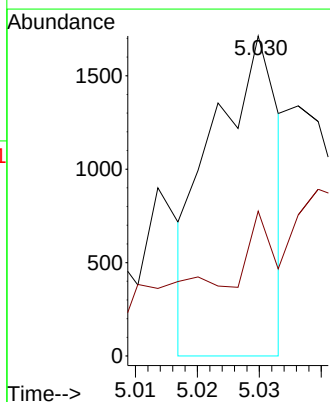
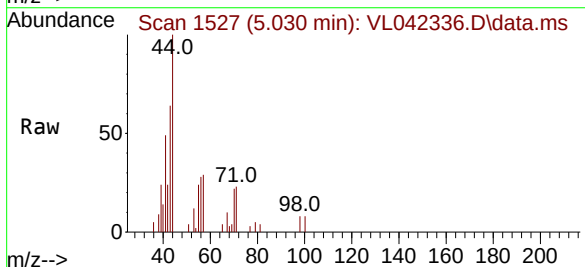
Acq: 15 Apr 2025 17:14

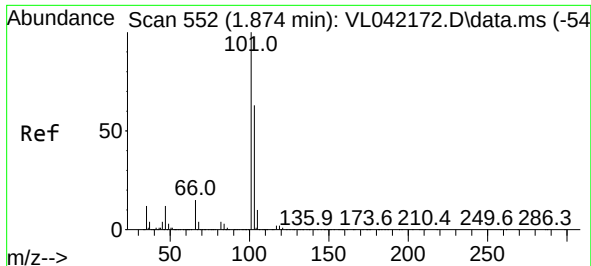
Tgt Ion: 43 Resp: 1277

Ion Ratio Lower Upper

43 100

57 0.0 39.4 59.2#

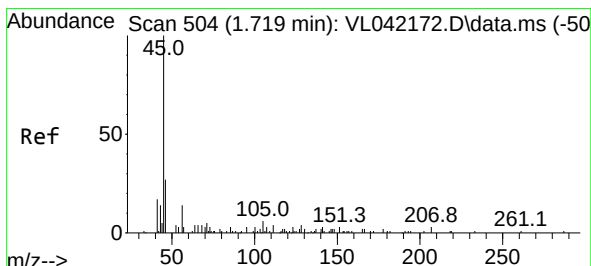
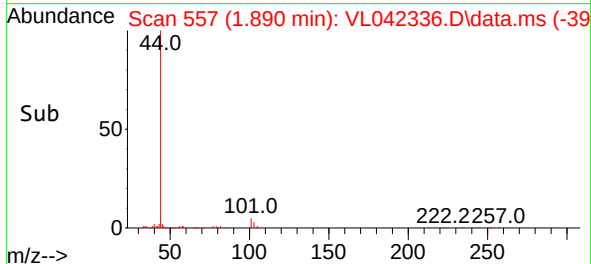
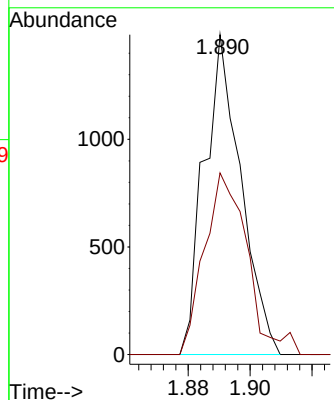
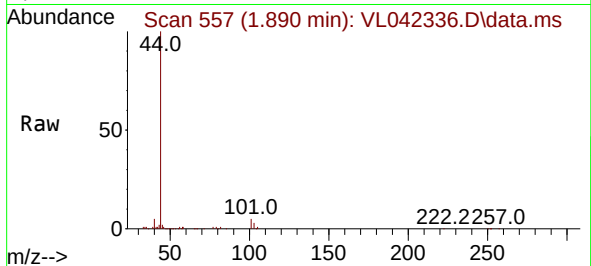




#11  
Trichlorofluoromethane  
Concen: 0.045 ppbv  
RT: 1.890 min Scan# 51  
Delta R.T. 0.016 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

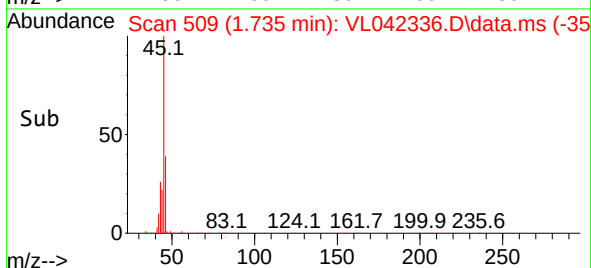
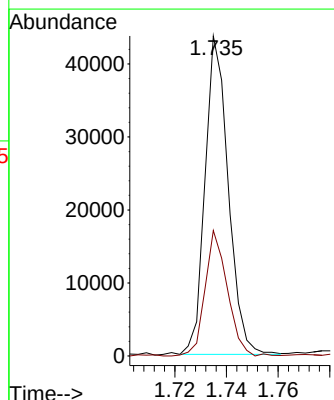
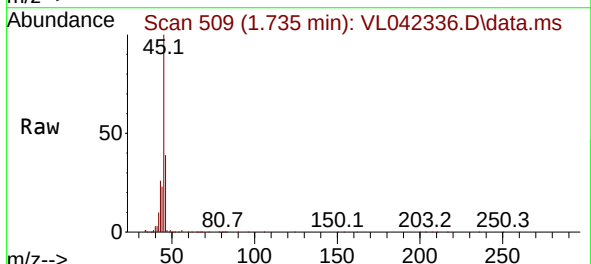
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion:101 Resp: 1223  
Ion Ratio Lower Upper  
101 100  
103 56.8 50.2 75.2

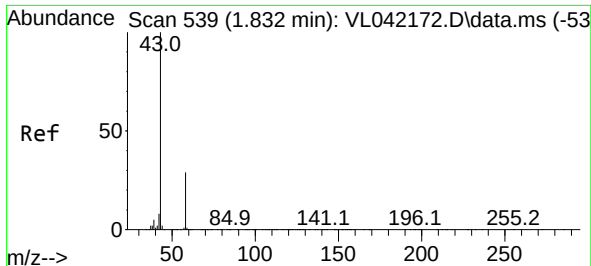


#13  
Ethanol  
Concen: 22.300 ppbv  
RT: 1.735 min Scan# 509  
Delta R.T. 0.016 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 45 Resp: 27277  
Ion Ratio Lower Upper  
45 100  
46 0.0 20.2 80.8#







#15

Acetone

Concen: 1.380 ppbv

RT: 1.855 min Scan# 54

Delta R.T. 0.022 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

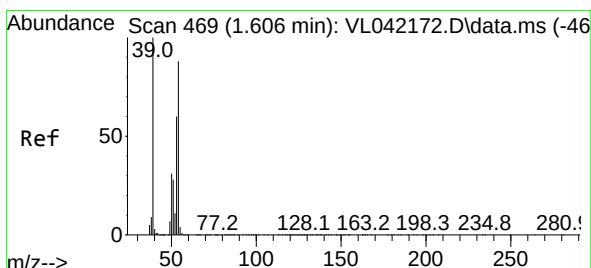
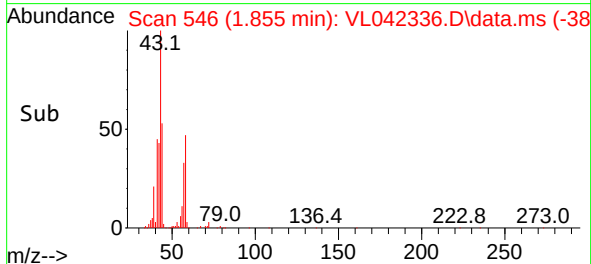
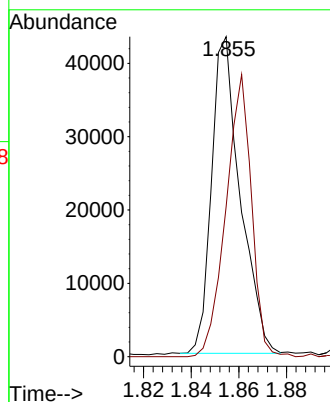
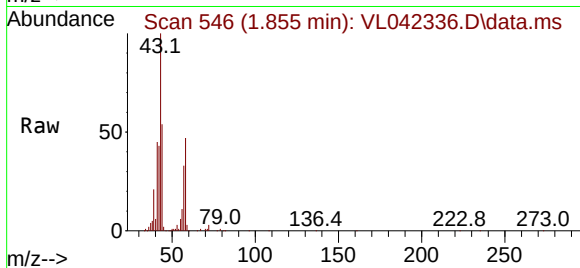
SV1

Tgt Ion: 43 Resp: 36128

Ion Ratio Lower Upper

43 100

58 80.2 23.2 34.8#



#16

1,3-Butadiene

Concen: 0.364 ppbv

RT: 1.628 min Scan# 476

Delta R.T. 0.022 min

Lab File: VL042336.D

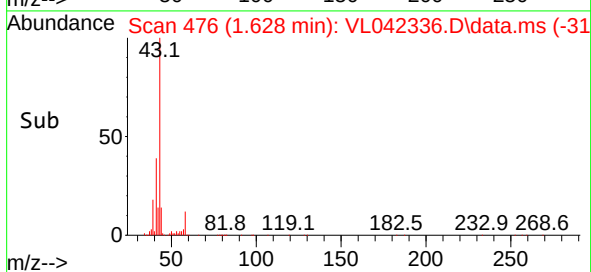
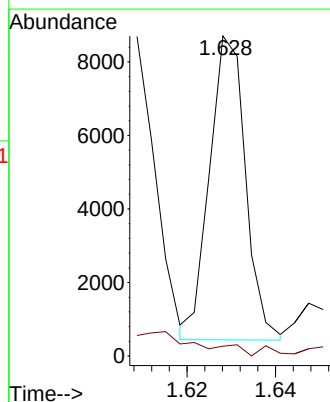
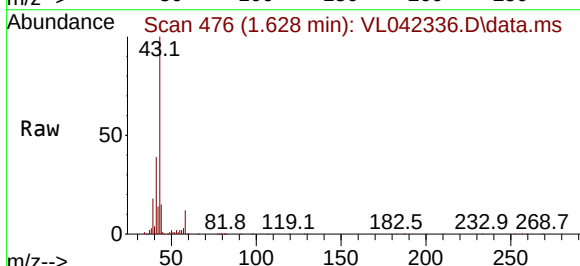
Acq: 15 Apr 2025 17:14

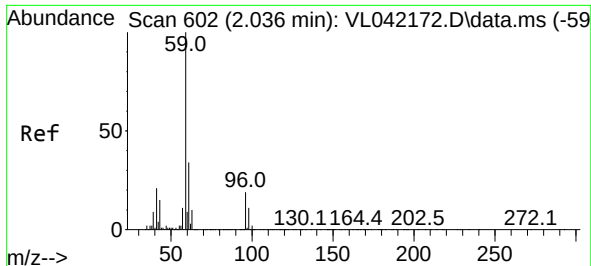
Tgt Ion: 39 Resp: 4659

Ion Ratio Lower Upper

39 100

54 0.0 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.065 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.026 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

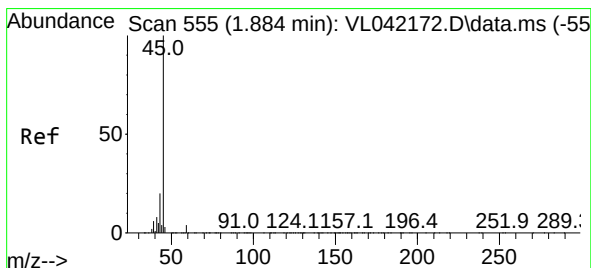
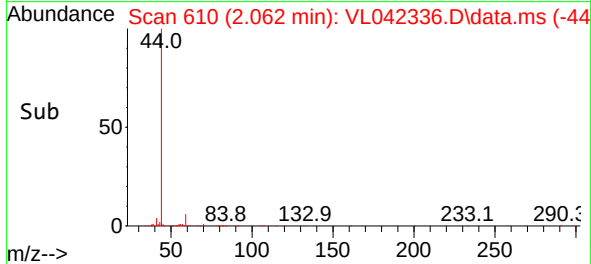
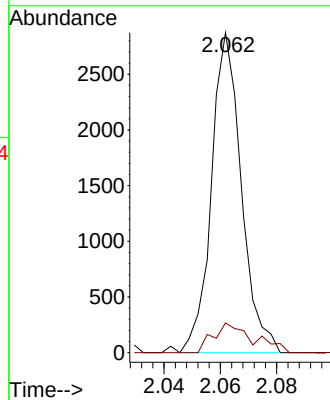
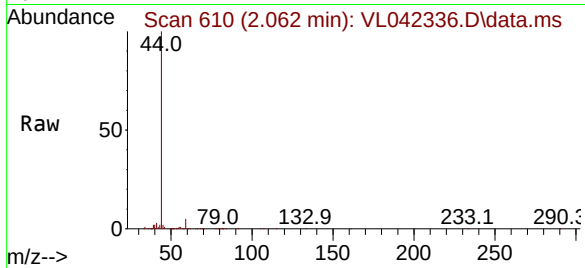
SV1

Tgt Ion: 59 Resp: 2117

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 1.847 ppbv

RT: 1.735 min Scan# 509

Delta R.T. -0.149 min

Lab File: VL042336.D

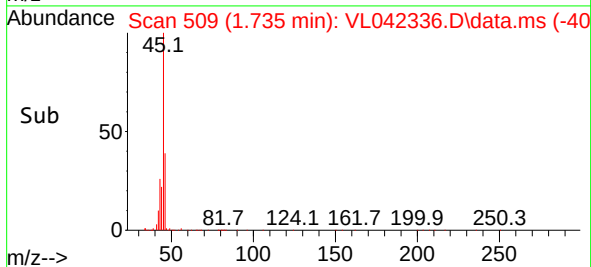
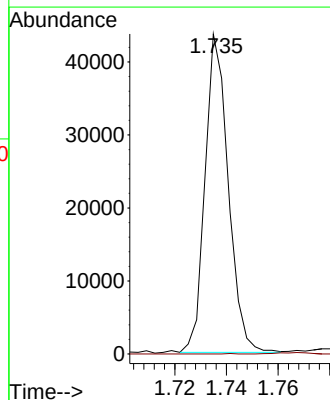
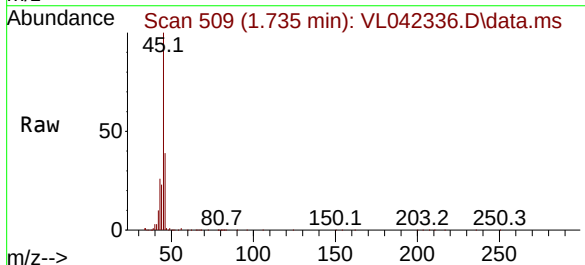
Acq: 15 Apr 2025 17:14

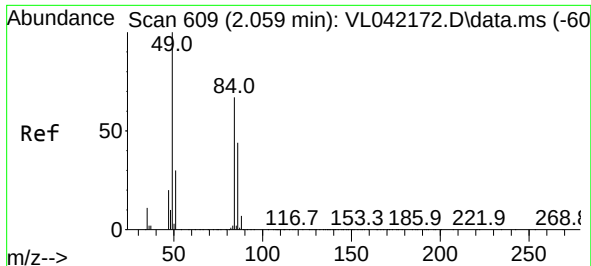
Tgt Ion: 45 Resp: 27277

Ion Ratio Lower Upper

45 100

58 13.5 36.9 55.3#





#20

Methylene Chloride

Concen: 0.208 ppbv

RT: 2.081 min Scan# 616

Delta R.T. 0.022 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 2029

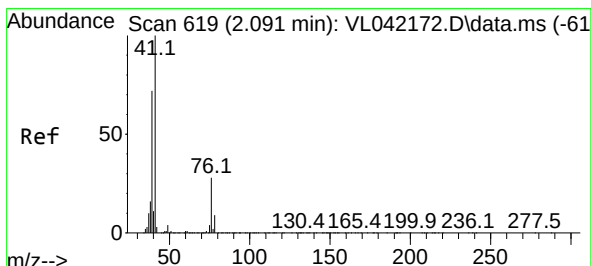
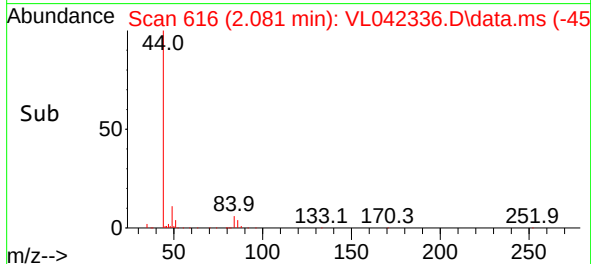
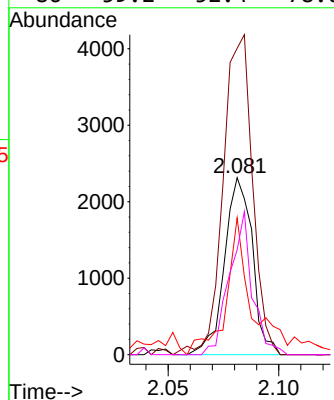
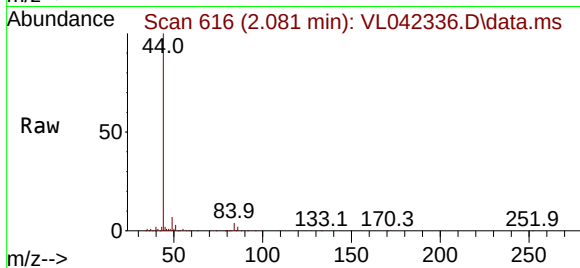
Ion Ratio Lower Upper

84 100

49 173.2 120.2 180.4

51 73.4 37.4 56.0#

86 59.2 52.4 78.6



#21

Allyl Chloride

Concen: 0.044 ppbv

RT: 2.097 min Scan# 621

Delta R.T. 0.006 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

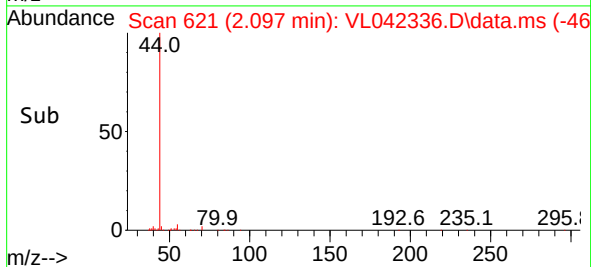
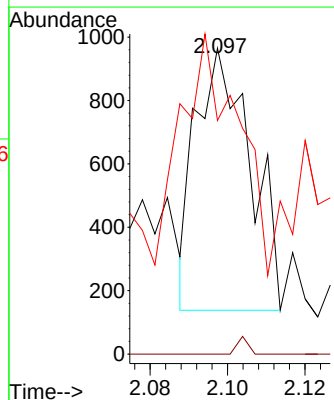
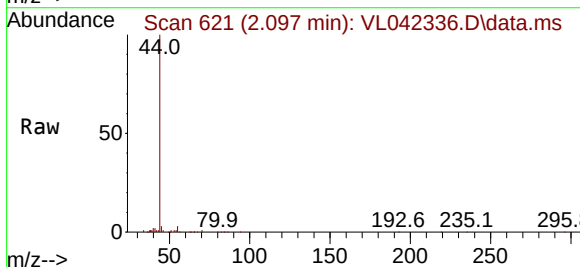
Tgt Ion: 41 Resp: 807

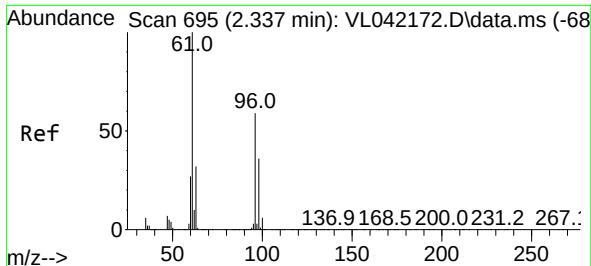
Ion Ratio Lower Upper

41 100

76 0.0 24.1 36.1#

39 100.5 61.1 91.7#

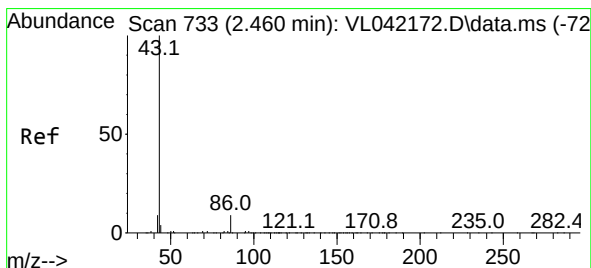
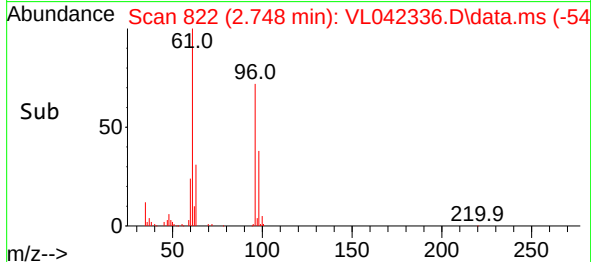
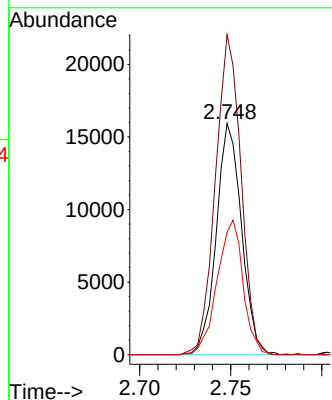
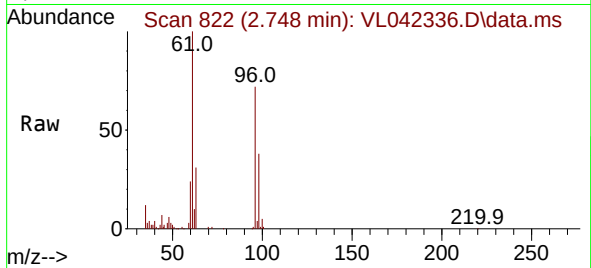




#22  
trans-1,2-Dichloroethene  
Concen: 1.283 ppbv  
RT: 2.748 min Scan# 81  
Delta R.T. 0.411 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

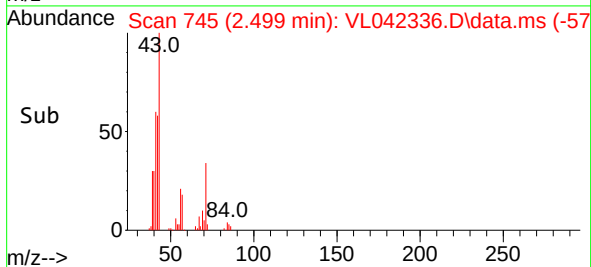
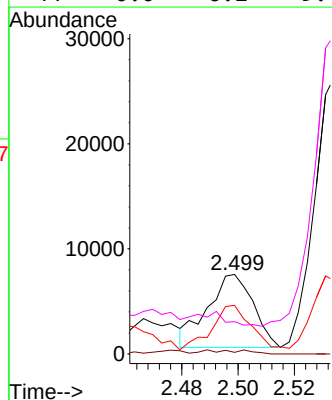
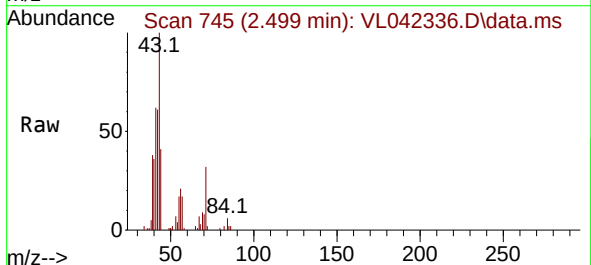
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

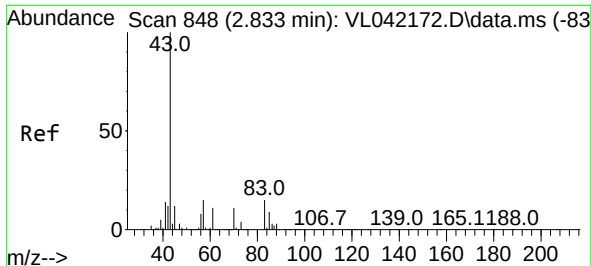
Tgt Ion: 96 Resp: 15326  
Ion Ratio Lower Upper  
96 100  
61 138.4 136.6 204.8  
98 53.0 49.4 74.2



#23  
Vinyl Acetate  
Concen: 0.689 ppbv  
RT: 2.499 min Scan# 745  
Delta R.T. 0.038 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 43 Resp: 7808  
Ion Ratio Lower Upper  
43 100  
86 2.3 5.5 8.3#  
42 61.1 8.6 13.0#  
44 0.0 6.2 9.4#

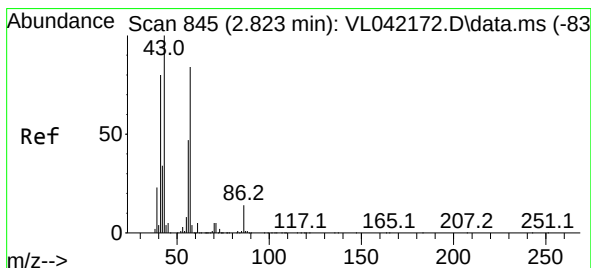
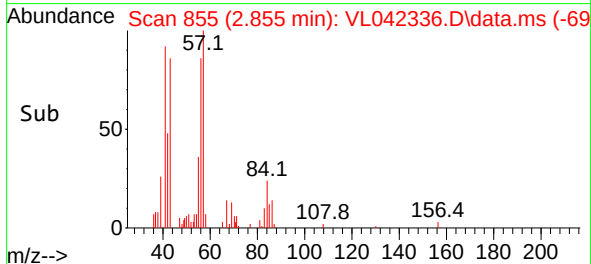
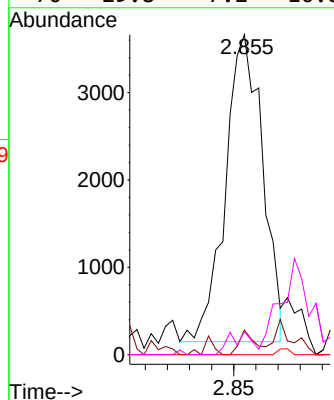
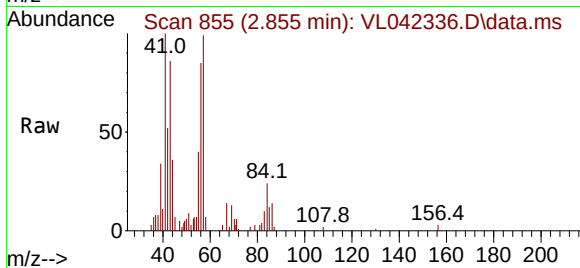




#25  
Ethyl Acetate  
Concen: 0.061 ppbv  
RT: 2.855 min Scan# 811  
Delta R.T. 0.022 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

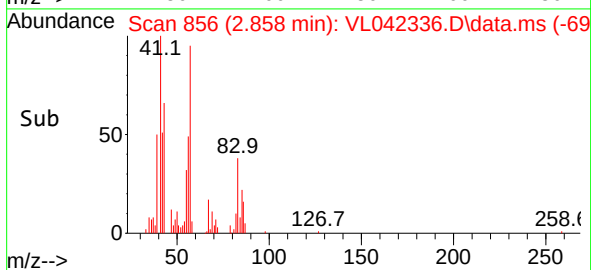
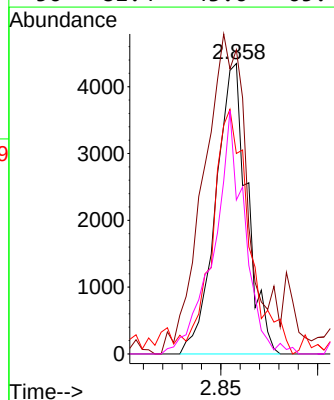
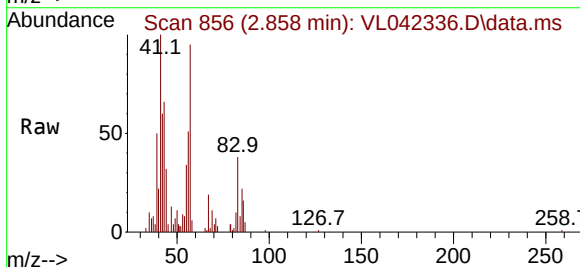
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

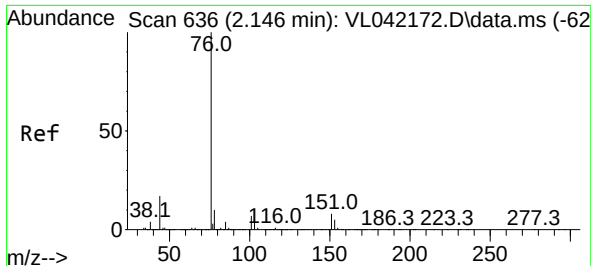
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4118  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 10.0     | 8.2 12.2    |
| 61 0.0      | 7.3 10.9#   |
| 70 29.8     | 7.2 10.8#   |



#26  
Hexane  
Concen: 0.187 ppbv  
RT: 2.858 min Scan# 856  
Delta R.T. 0.035 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

|             |       |       |        |
|-------------|-------|-------|--------|
| Tgt Ion: 57 | Resp: | 4910  |        |
| Ion         | Ratio | Lower | Upper  |
| 57          | 100   |       |        |
| 41          | 168.0 | 76.6  | 114.8# |
| 43          | 0.0   | 207.8 | 311.8# |
| 56          | 81.4  | 43.6  | 65.4#  |

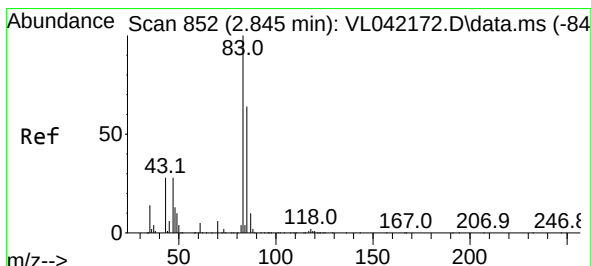
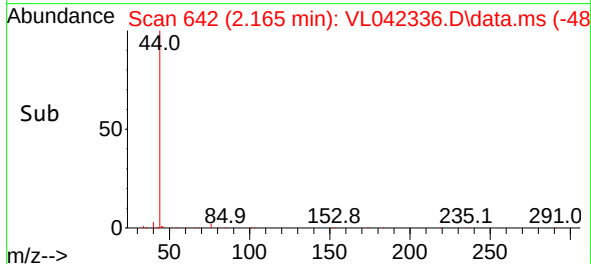
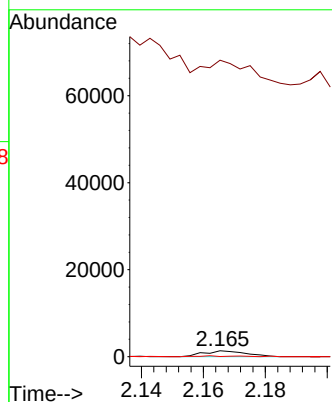
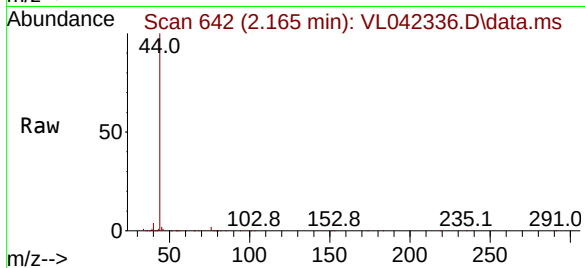




#27  
Carbon Disulfide  
Concen: 0.045 ppbv  
RT: 2.165 min Scan# 642  
Delta R.T. 0.019 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

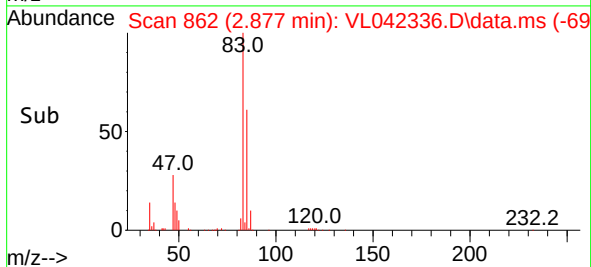
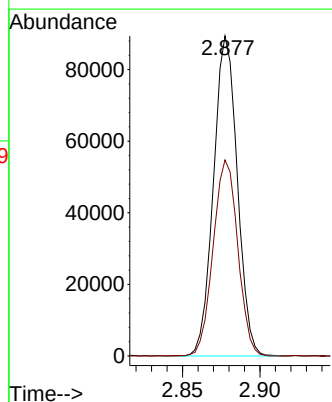
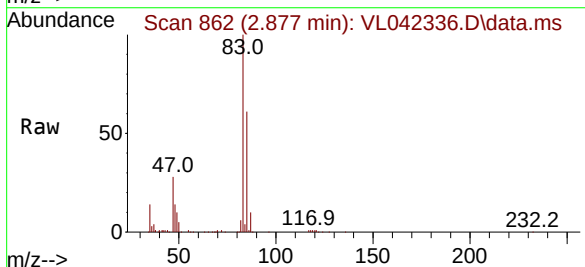
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

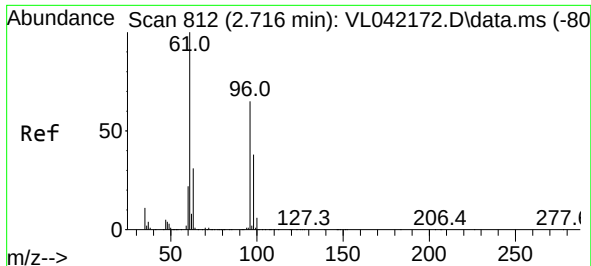
Tgt Ion: 76 Resp: 1278  
Ion Ratio Lower Upper  
76 100  
44 0.0 14.7 22.1#  
78 15.4 9.3 13.9#



#29  
Chloroform  
Concen: 2.484 ppbv  
RT: 2.877 min Scan# 862  
Delta R.T. 0.032 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 83 Resp: 95381  
Ion Ratio Lower Upper  
83 100  
85 61.2 51.4 77.2

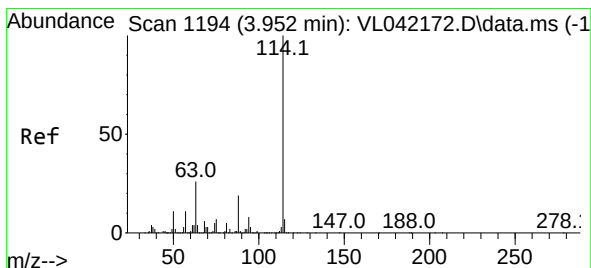
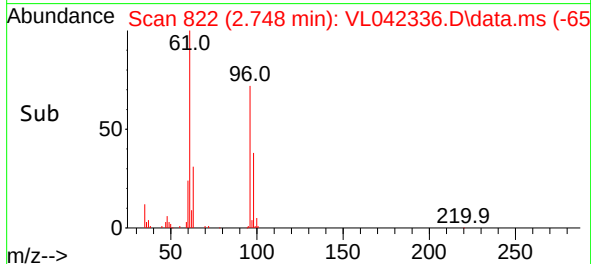
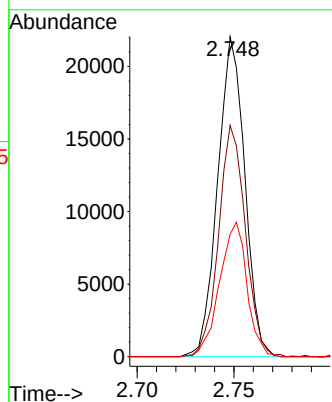
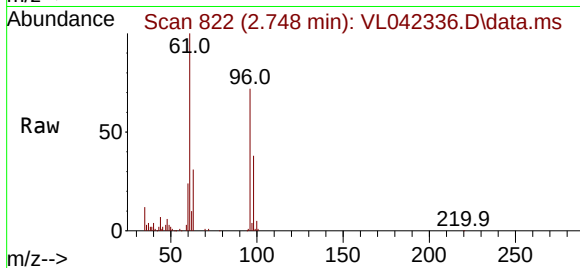




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.807 ppbv  
 RT: 2.748 min Scan# 812  
 Delta R.T. 0.032 min  
 Lab File: VL042336.D  
 Acq: 15 Apr 2025 17:14

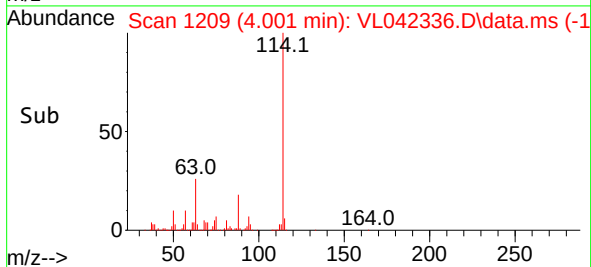
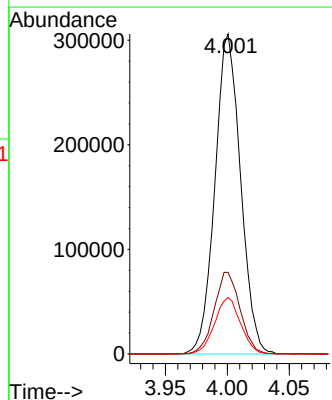
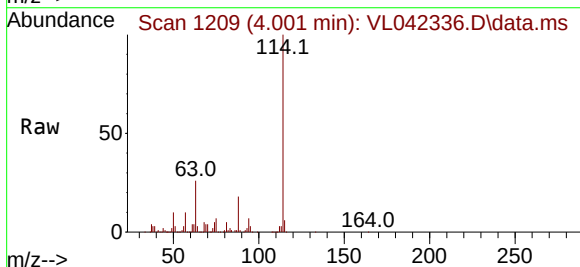
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

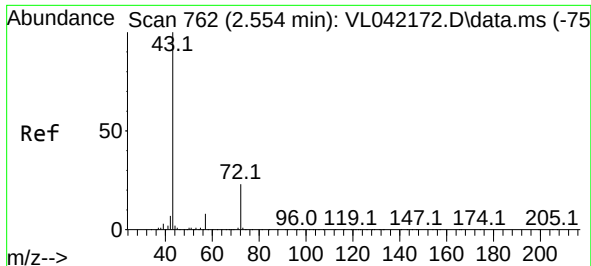
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 21485 |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 72.2  | 51.8  | 77.8  |
| 98       | 38.3  | 30.6  | 46.0  |



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 4.001 min Scan# 1209  
 Delta R.T. 0.048 min  
 Lab File: VL042336.D  
 Acq: 15 Apr 2025 17:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 441424 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 25.9  | 20.7  | 31.1   |
| 88       | 17.8  | 15.0  | 22.4   |

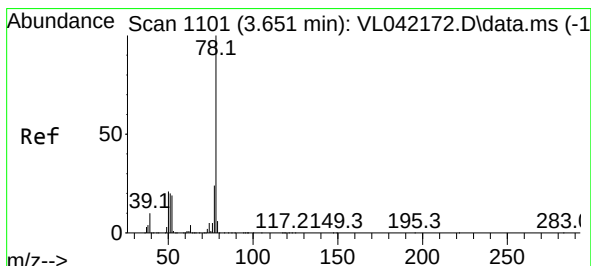
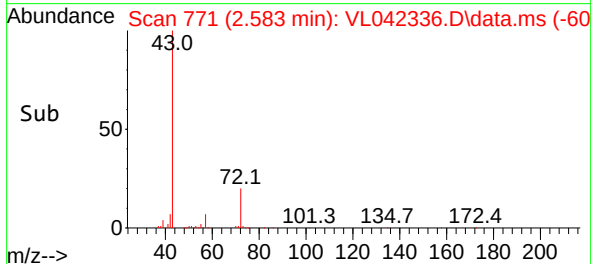
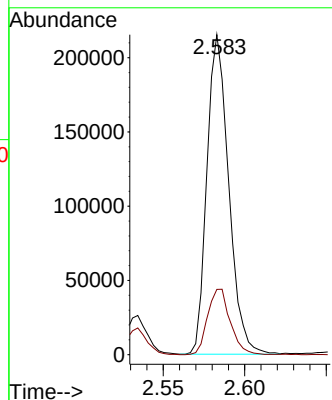
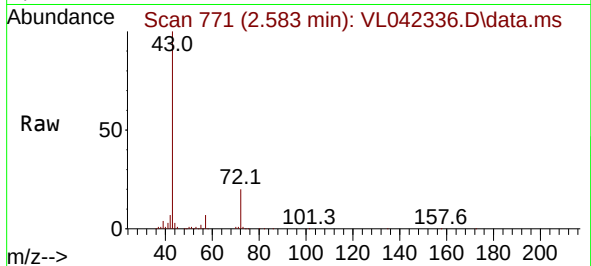




#34  
2-Butanone  
Concen: 6.253 ppbv  
RT: 2.583 min Scan# 71  
Delta R.T. 0.029 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

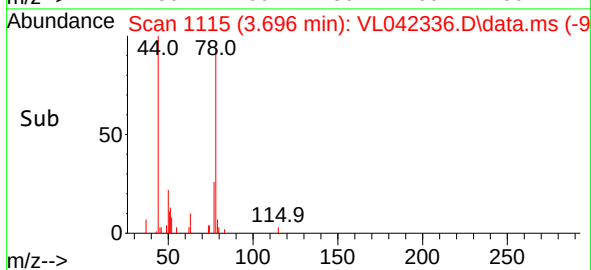
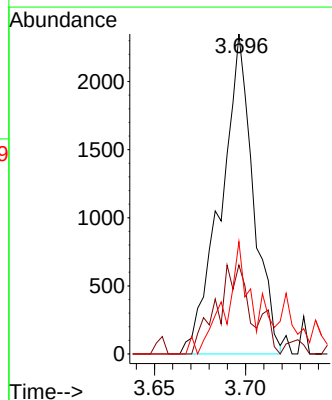
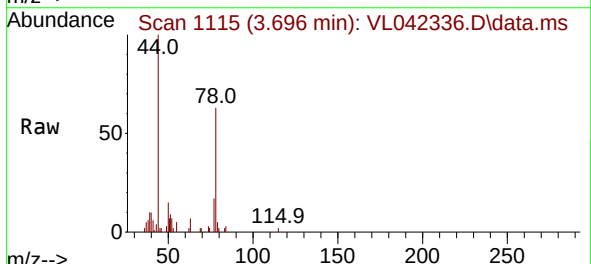
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 43 Resp: 200144  
Ion Ratio Lower Upper  
43 100  
72 21.4 18.2 27.2

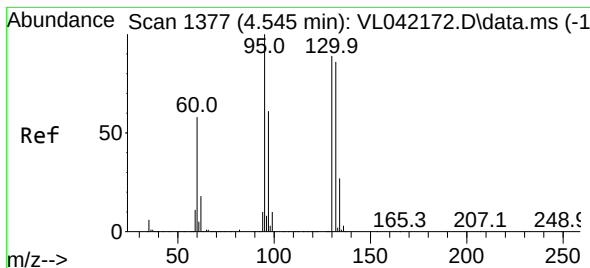


#36  
Benzene  
Concen: 0.067 ppbv  
RT: 3.696 min Scan# 1115  
Delta R.T. 0.045 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 78 Resp: 2912  
Ion Ratio Lower Upper  
78 100  
77 27.8 19.1 28.7  
50 35.1 16.6 24.8#







#38

Trichloroethene

Concen: 4.302 ppbv

RT: 4.593 min Scan# 11

Delta R.T. 0.048 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

SV1

Tgt Ion:130 Resp: 78558

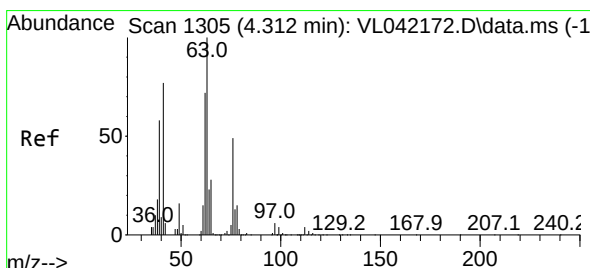
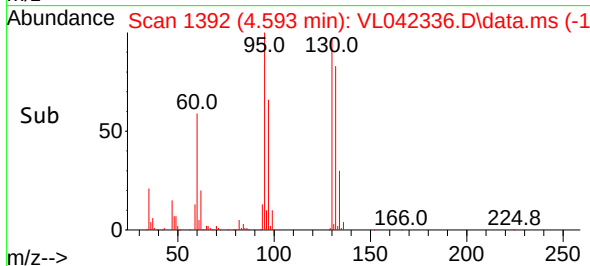
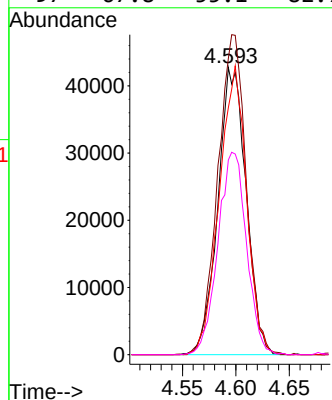
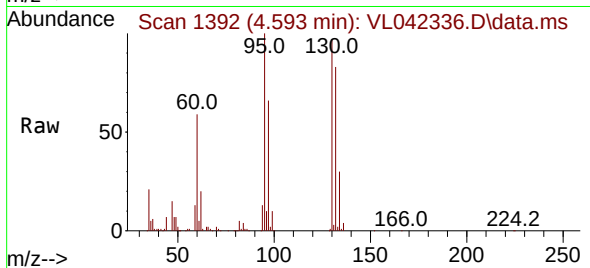
Ion Ratio Lower Upper

130 100

95 103.0 89.8 134.8

132 86.0 77.4 116.2

97 67.8 55.1 82.7



#39

1,2-Dichloropropane

Concen: 7.155 ppbv

RT: 4.001 min Scan# 1209

Delta R.T. -0.311 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

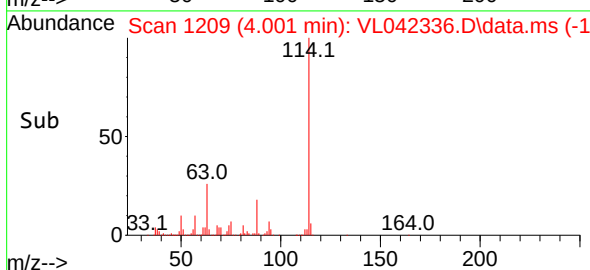
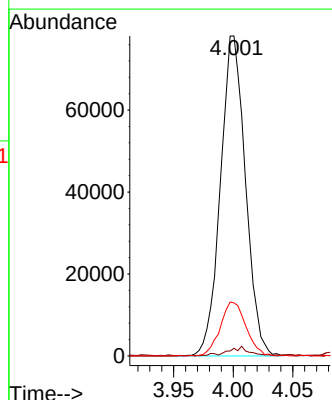
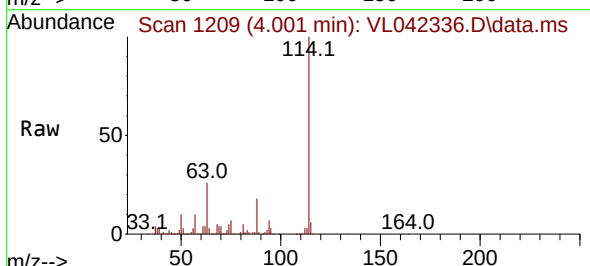
Tgt Ion: 63 Resp: 114035

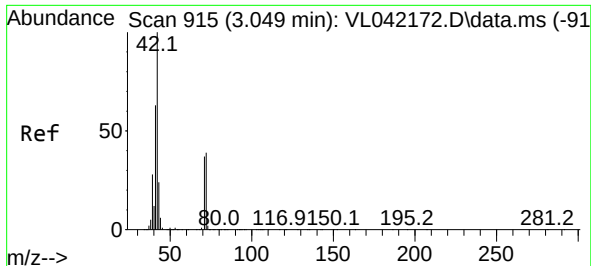
Ion Ratio Lower Upper

63 100

41 2.3 61.7 92.5#

62 16.4 57.6 86.4#





#41

Tetrahydrofuran

Concen: 0.071 ppbv

RT: 3.104 min Scan# 915

Delta R.T. 0.055 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

SV1

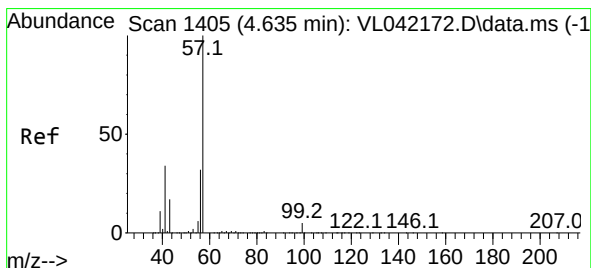
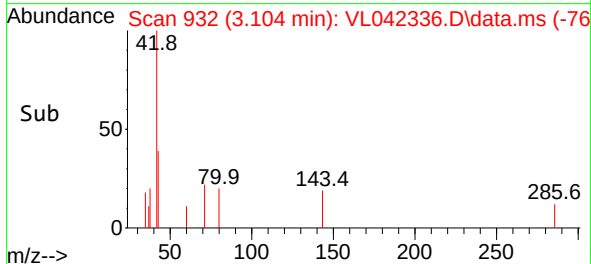
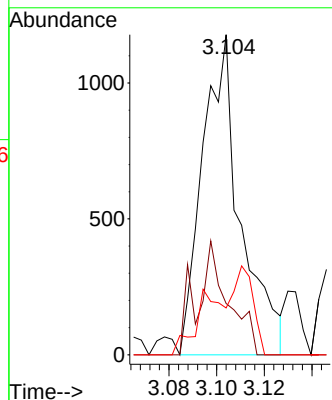
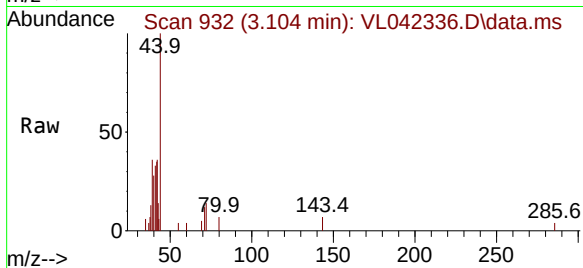
Tgt Ion: 42 Resp: 1304

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 29.4 30.2 45.4#



#44

2,2,4-Trimethylpentane

Concen: 0.228 ppbv

RT: 4.690 min Scan# 1422

Delta R.T. 0.055 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

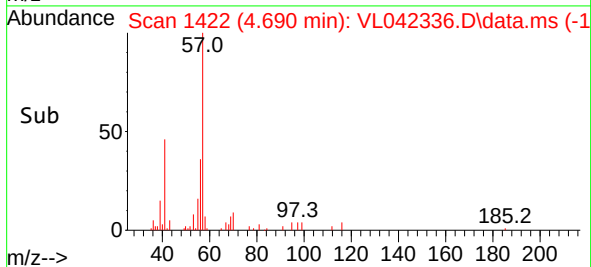
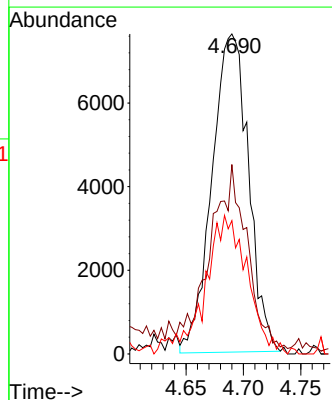
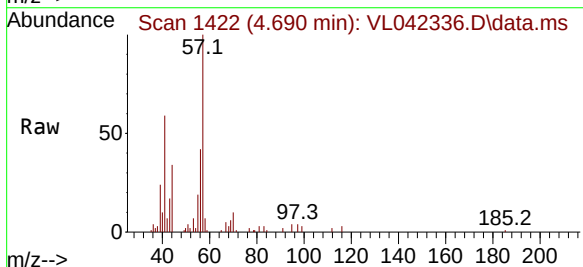
Tgt Ion: 57 Resp: 16864

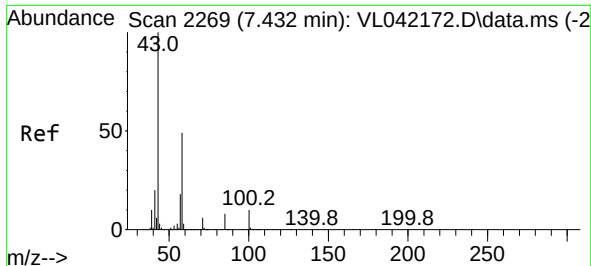
Ion Ratio Lower Upper

57 100

41 64.5 26.8 40.2#

56 50.6 25.6 38.4#

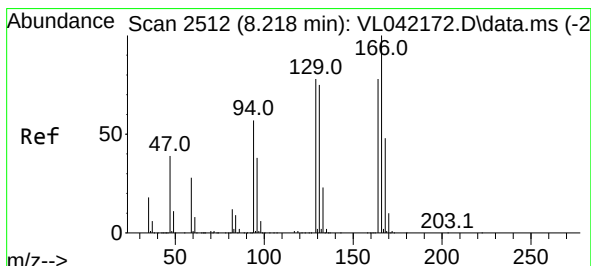
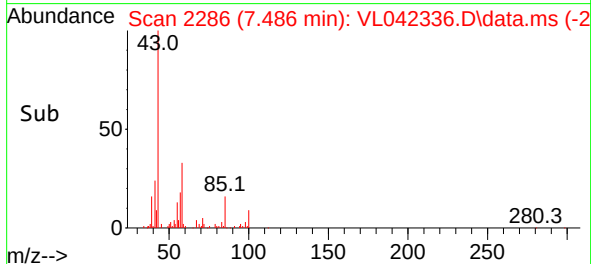
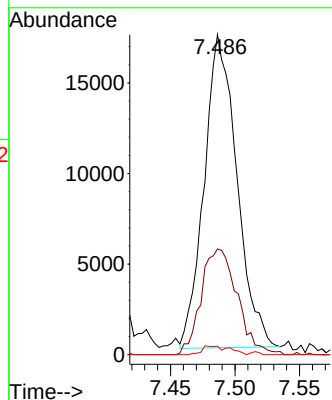
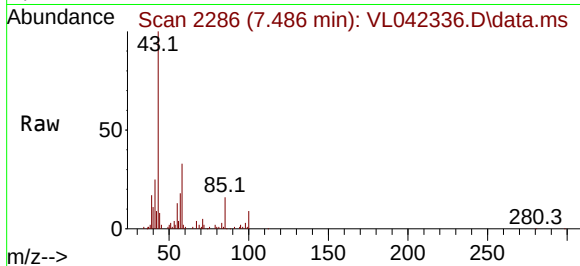




#51  
2-Hexanone  
Concen: 0.731 ppbv  
RT: 7.486 min Scan# 21  
Delta R.T. 0.055 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

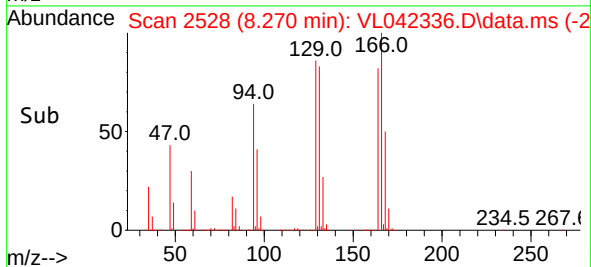
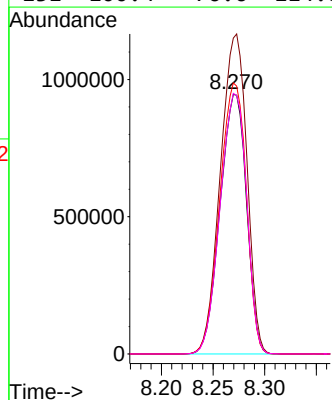
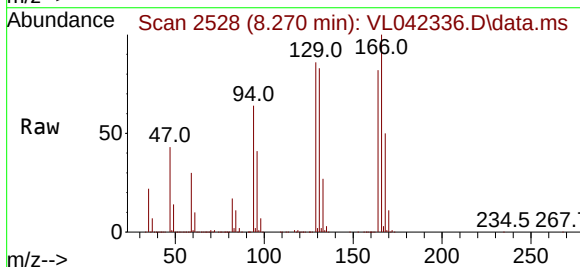
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

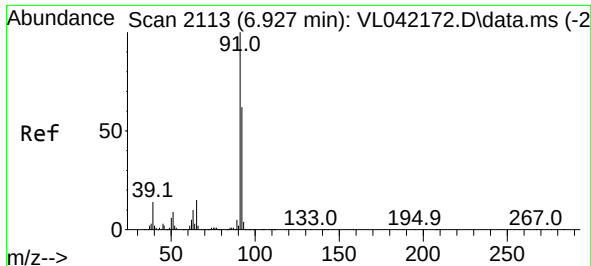
Tgt Ion: 43 Resp: 30458  
Ion Ratio Lower Upper  
43 100  
58 37.4 39.7 59.5#  
98 2.6 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 96.862 ppbv  
RT: 8.270 min Scan# 2528  
Delta R.T. 0.051 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion:164 Resp: 1681038  
Ion Ratio Lower Upper  
164 100  
166 121.7 102.5 153.7  
129 104.4 79.8 119.8  
131 100.4 76.6 114.8

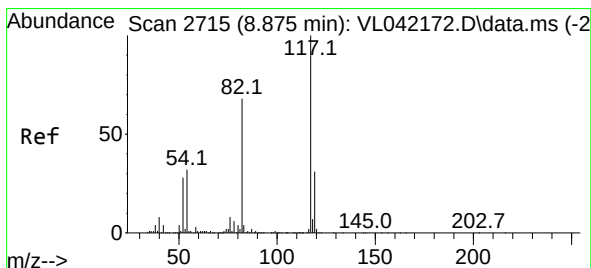
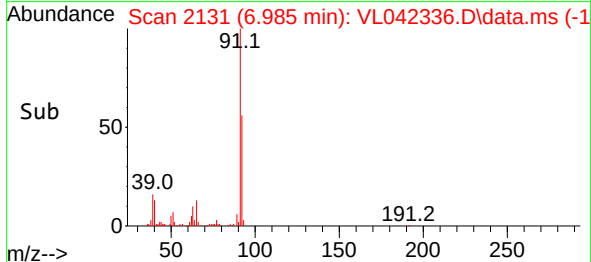
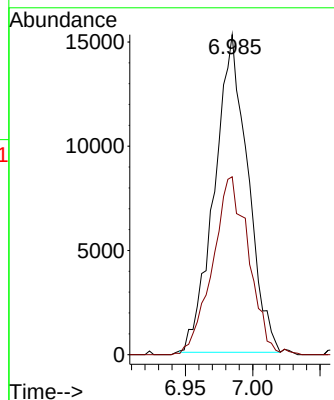
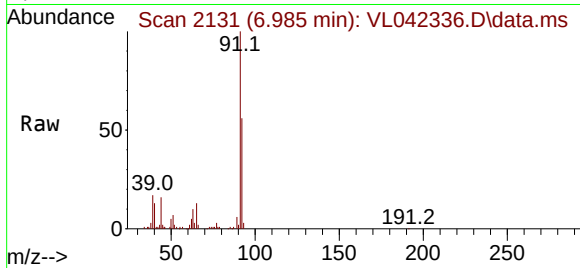




#53  
Toluene  
Concen: 0.506 ppbv  
RT: 6.985 min Scan# 2113  
Delta R.T. 0.058 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

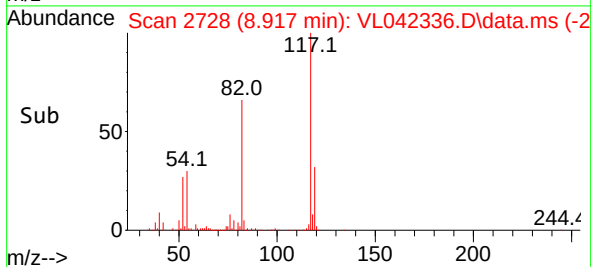
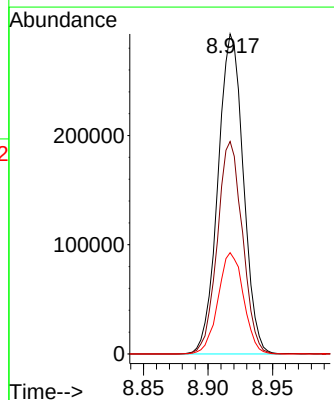
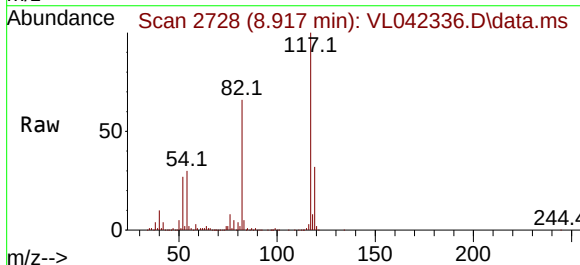
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

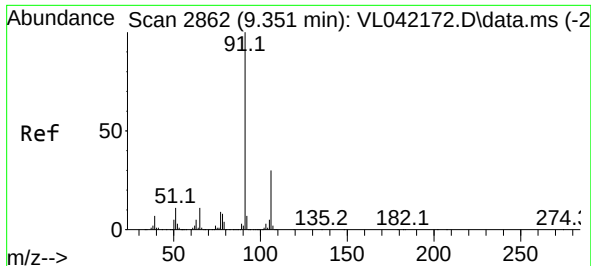
Tgt Ion: 91 Resp: 26241  
Ion Ratio Lower Upper  
91 100  
92 60.8 48.4 72.6



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.917 min Scan# 2728  
Delta R.T. 0.042 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 117 Resp: 401113  
Ion Ratio Lower Upper  
117 100  
82 65.7 55.8 83.6  
119 31.8 25.5 38.3

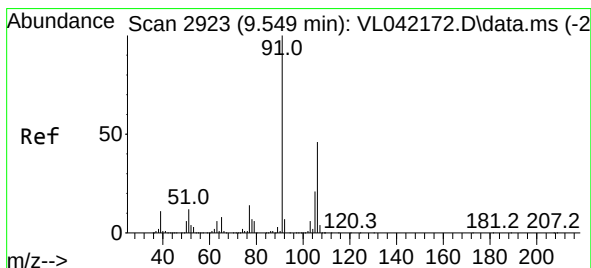
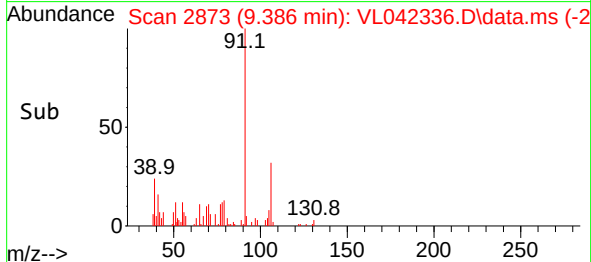
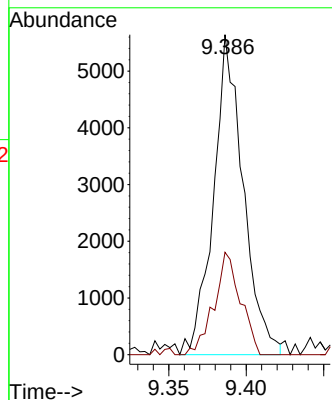
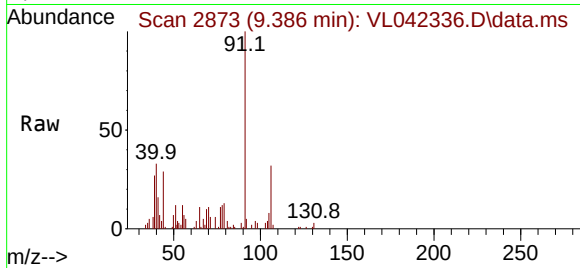




#58  
Ethyl Benzene  
Concen: 0.106 ppbv  
RT: 9.386 min Scan# 2862  
Delta R.T. 0.035 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

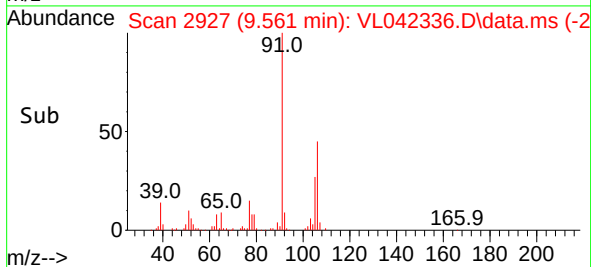
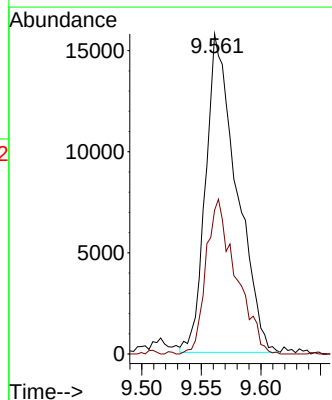
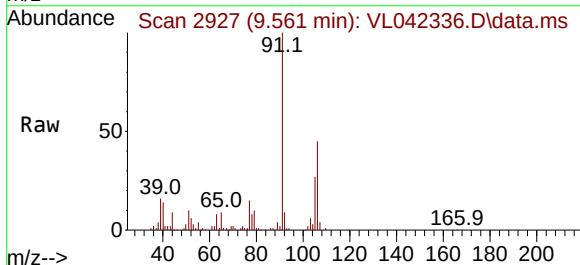
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

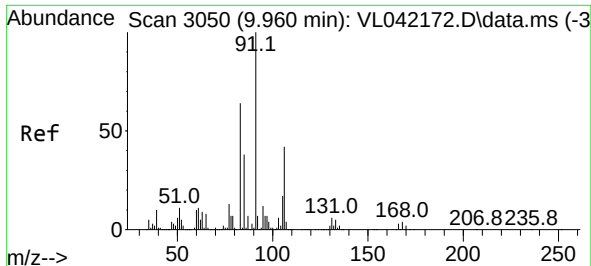
Tgt Ion: 91 Resp: 7529  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.2 36.2



#59  
m/p-Xylene  
Concen: 0.501 ppbv  
RT: 9.561 min Scan# 2927  
Delta R.T. 0.013 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 91 Resp: 28519  
Ion Ratio Lower Upper  
91 100  
106 47.0 36.4 54.6

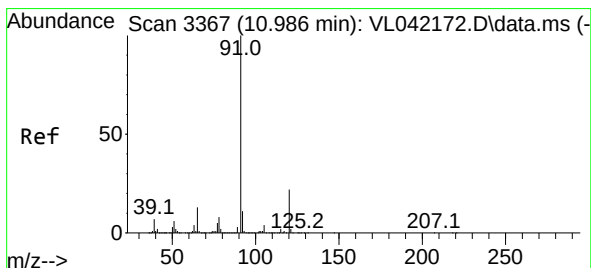
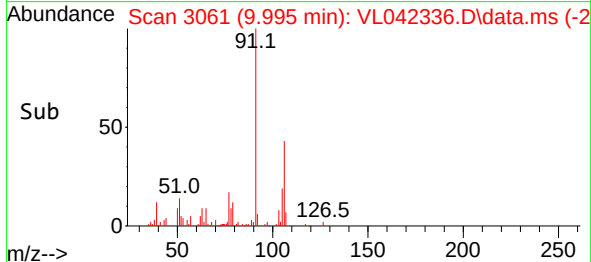
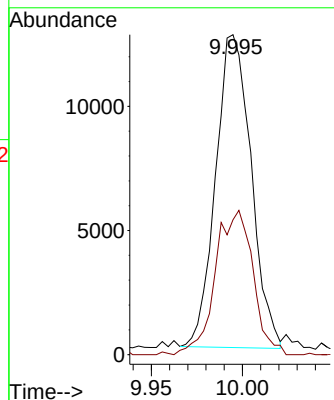
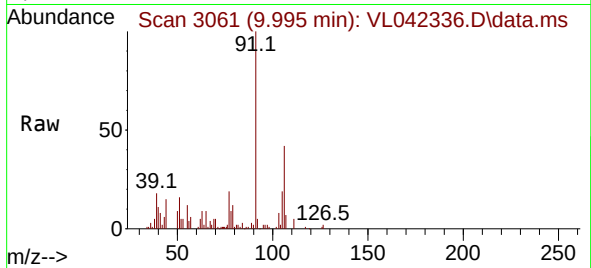




#60  
o-Xylene  
Concen: 0.299 ppbv  
RT: 9.995 min Scan# 3050  
Delta R.T. 0.035 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

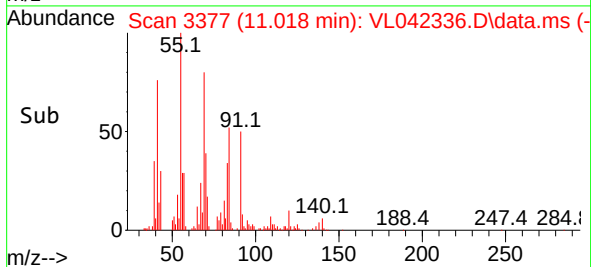
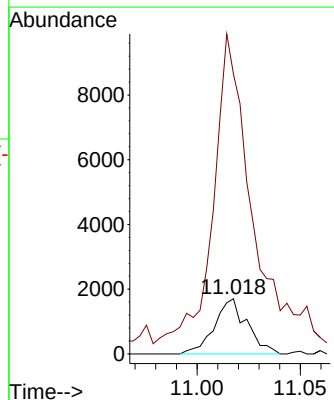
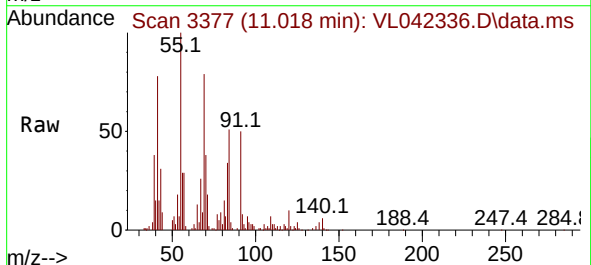
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

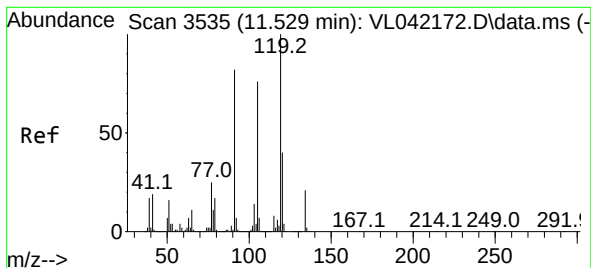
Tgt Ion: 91 Resp: 17051  
Ion Ratio Lower Upper  
91 100  
106 49.0 20.8 62.5



#64  
n-propylbenzene  
Concen: 0.085 ppbv  
RT: 11.018 min Scan# 3377  
Delta R.T. 0.032 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 120 Resp: 1876  
Ion Ratio Lower Upper  
120 100  
91 713.2 376.9 565.3#





#65

tert-Butylbenzene

Concen: 0.036 ppbv

RT: 11.908 min Scan# 3

Delta R.T. 0.378 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

SV1

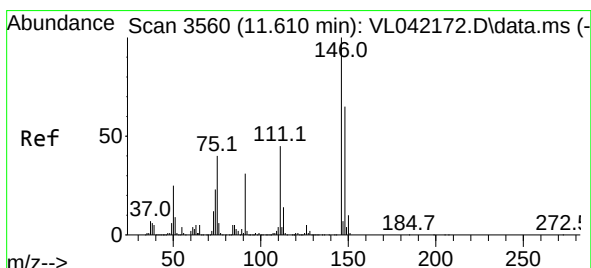
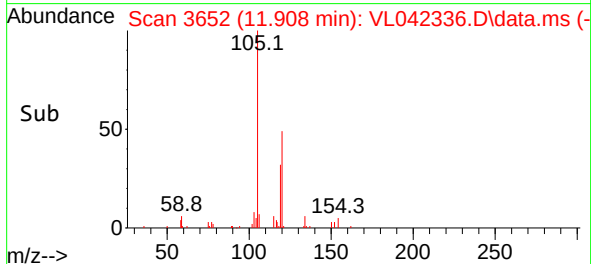
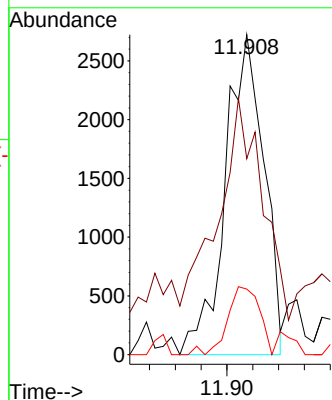
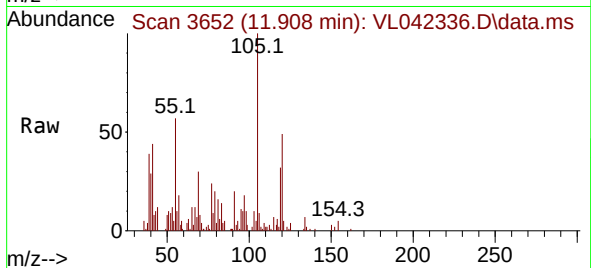
Tgt Ion:119 Resp: 2841

Ion Ratio Lower Upper

119 100

91 85.8 66.0 99.0

134 22.6 16.7 25.1



#66

Benzyl Chloride

Concen: 0.038 ppbv

RT: 11.662 min Scan# 3576

Delta R.T. 0.051 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

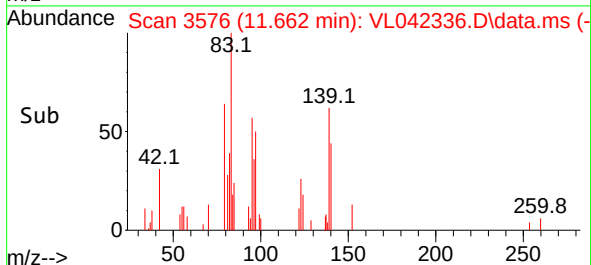
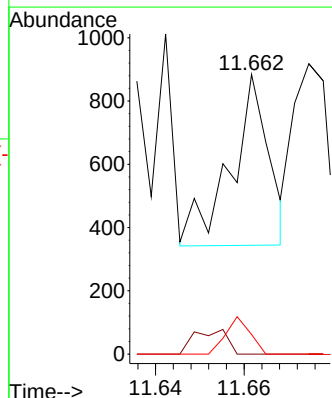
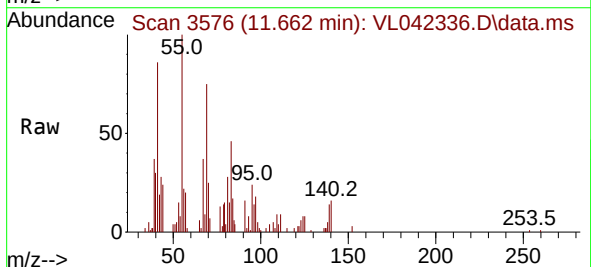
Tgt Ion: 91 Resp: 321

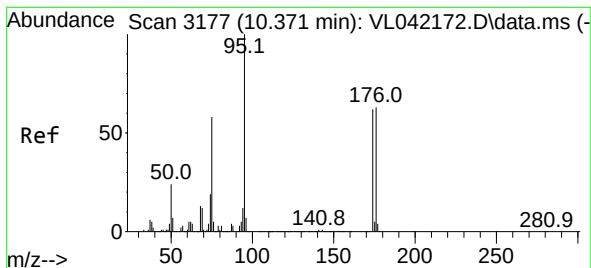
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 14.0 4.5 6.7#

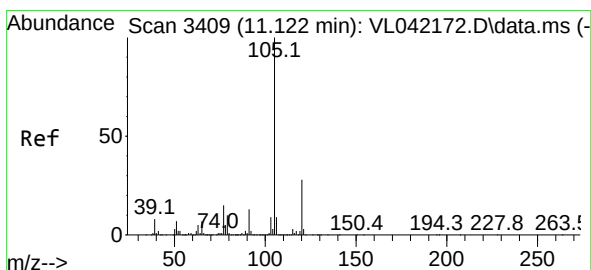
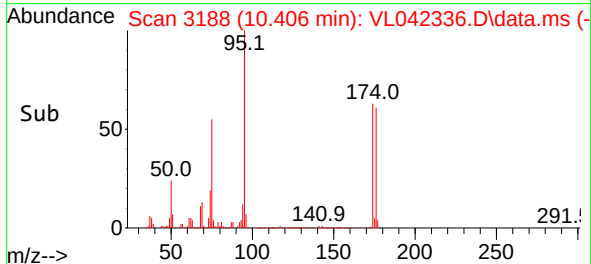
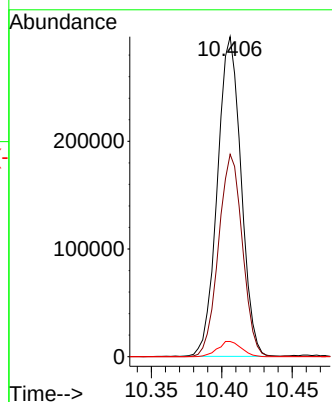
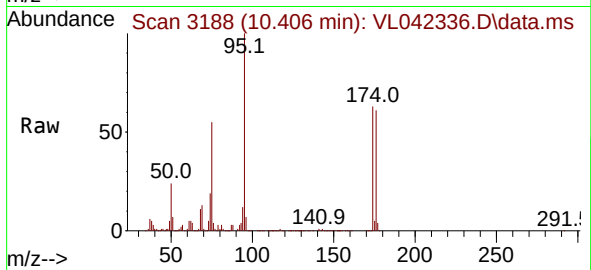




#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.551 ppbv  
RT: 10.406 min Scan# 3177  
Delta R.T. 0.035 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

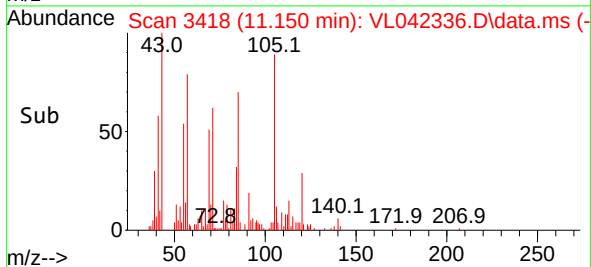
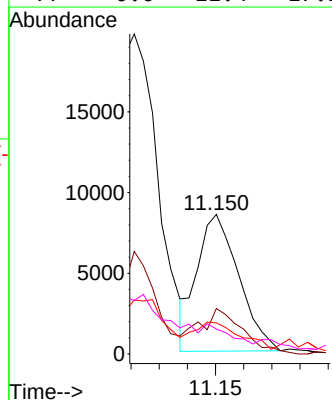
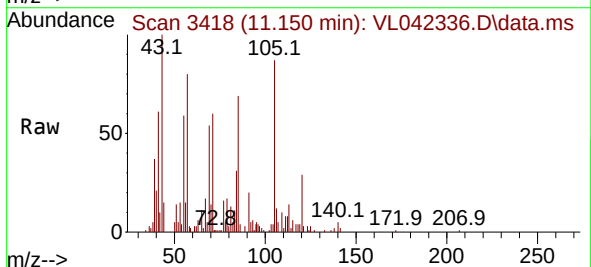
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 95 Resp: 347560  
Ion Ratio Lower Upper  
95 100  
174 64.0 50.6 76.0  
175 4.8 3.8 5.6

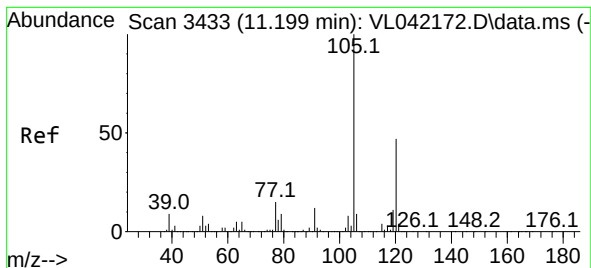


#72  
4-Ethyltoluene  
Concen: 0.123 ppbv  
RT: 11.150 min Scan# 3418  
Delta R.T. 0.029 min  
Lab File: VL042336.D  
Acq: 15 Apr 2025 17:14

Tgt Ion: 105 Resp: 8741  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.4 35.0#  
91 0.0 10.3 15.5#  
77 0.0 11.4 17.2#







#73

1,3,5-Trimethylbenzene

Concen: 0.095 ppbv

RT: 11.234 min Scan# 3444

Delta R.T. 0.035 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Instrument :

MSVOA\_L

ClientSampleId :

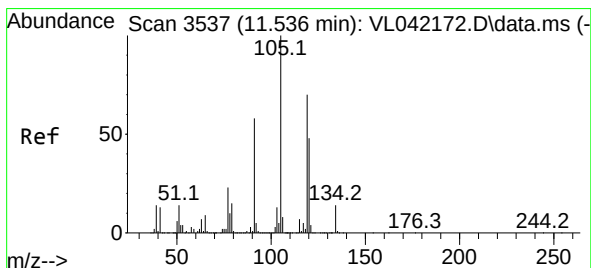
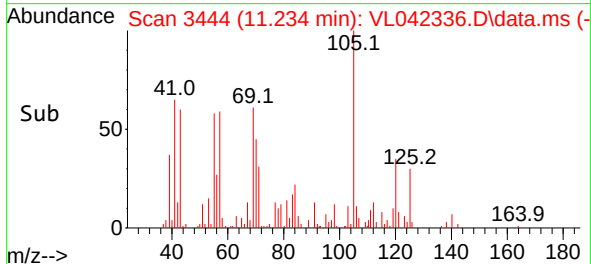
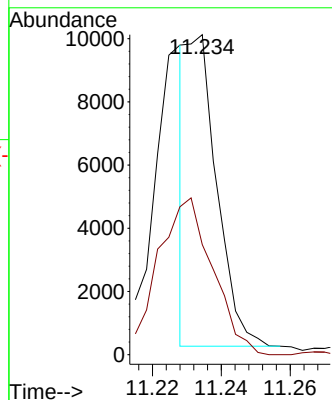
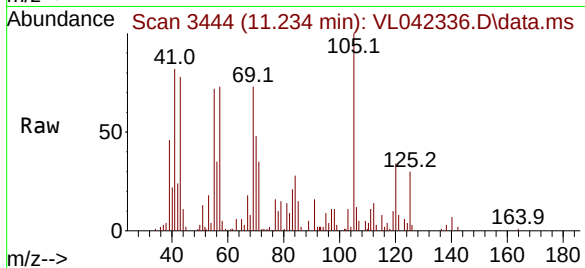
SV1

Tgt Ion:105 Resp: 5918

Ion Ratio Lower Upper

105 100

120 35.3 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.511 ppbv

RT: 11.561 min Scan# 3545

Delta R.T. 0.026 min

Lab File: VL042336.D

Acq: 15 Apr 2025 17:14

Tgt Ion:105 Resp: 36517

Ion Ratio Lower Upper

105 100

120 40.8 38.6 58.0

91 13.3 46.2 69.2#

77 16.7 18.6 27.8#

