

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041525\  
 Data File : VL042333.D  
 Acq On : 15 Apr 2025 15:35  
 Operator : SY/MD  
 Sample : Q1802-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Quant Time: Apr 16 01:32:53 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

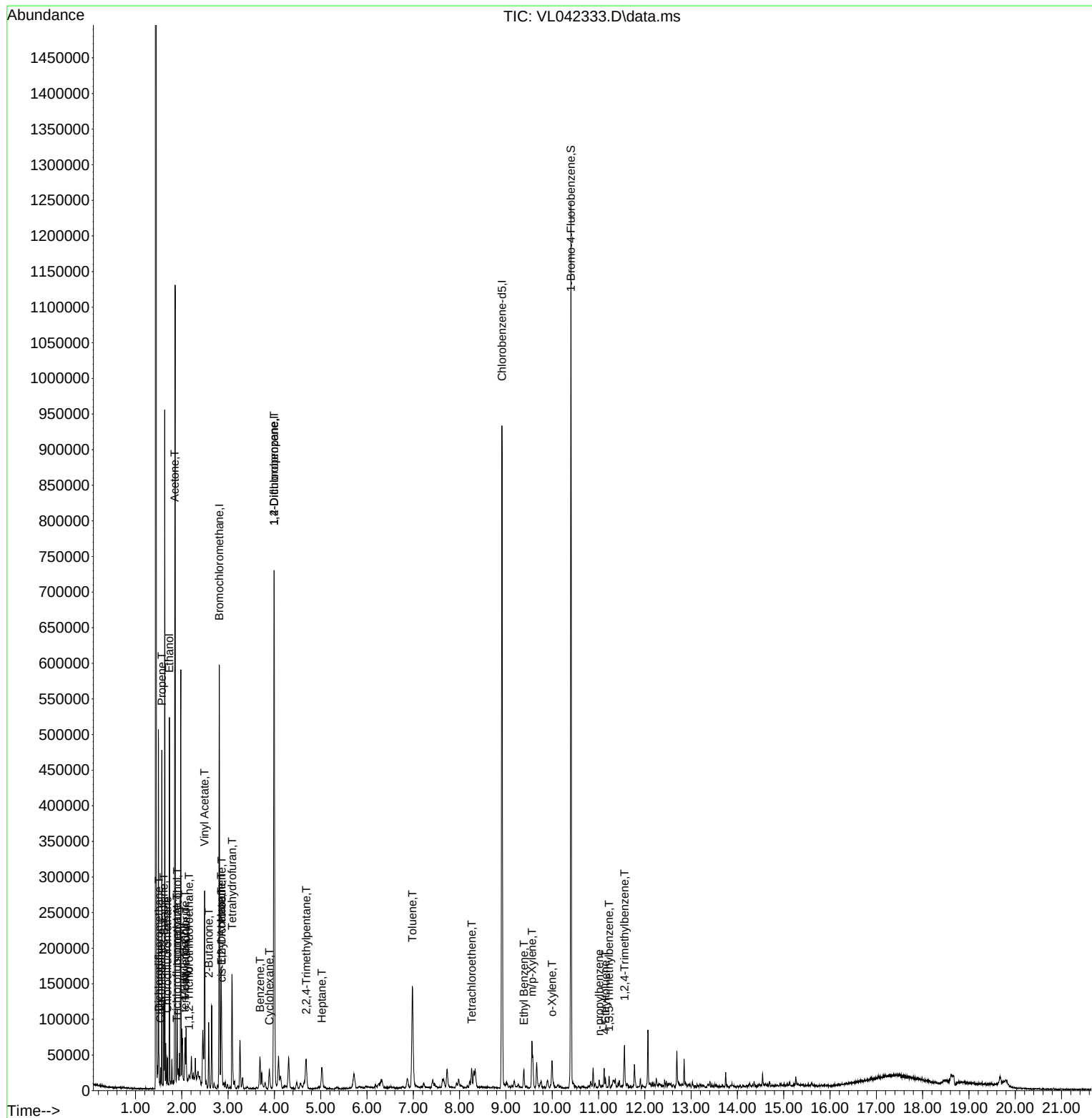
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.810  | 49    | 165032   | 10.000   | ppbv   | 0.03     |
| 33) 1,4-Difluorobenzene       | 3.994  | 114   | 401986   | 10.000   | ppbv   | 0.04     |
| 55) Chlorobenzene-d5          | 8.914  | 117   | 365464   | 10.000   | ppbv   | 0.04     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.403 | 95    | 293899   | 9.793    | ppbv   | 0.03     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 97.900%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.508  | 85    | 9916     | 0.407    | ppbv   | 90       |
| 3) Chlorodifluoromethane      | 1.686  | 51    | 757      | 0.030    | ppbv   | 99       |
| 4) Chloromethane              | 1.541  | 50    | 6928     | 0.696    | ppbv   | 99       |
| 9) Propene                    | 1.570  | 41    | 47702    | 4.181    | ppbv   | 97       |
| 10) Heptane                   | 5.023  | 43    | 6524     | 0.215    | ppbv # | 64       |
| 11) Trichlorofluoromethane    | 1.890  | 101   | 4453     | 0.188    | ppbv   | 90       |
| 12) 1,1,2-Trichlorotrifluo... | 2.156  | 101   | 1143     | 0.059    | ppbv   | 92       |
| 13) Ethanol                   | 1.732  | 45    | 169320   | 156.984  | ppbv   | 83       |
| 15) Acetone                   | 1.848  | 43    | 411650   | 17.835   | ppbv # | 79       |
| 16) 1,3-Butadiene             | 1.612  | 39    | 12950    | 1.149    | ppbv # | 35       |
| 17) tert-Butyl alcohol        | 2.062  | 59    | 1627     | 0.057    | ppbv # | 71       |
| 19) Isopropyl Alcohol         | 1.900  | 45    | 38693    | 2.971    | ppbv # | 1        |
| 20) Methylene Chloride        | 2.075  | 84    | 2851     | 0.332    | ppbv   | 95       |
| 21) Allyl Chloride            | 2.094  | 41    | 5241     | 0.322    | ppbv # | 1        |
| 23) Vinyl Acetate             | 2.492  | 43    | 74625    | 7.470    | ppbv # | 41       |
| 25) Ethyl Acetate             | 2.858  | 43    | 48568    | 0.811    | ppbv # | 91       |
| 26) Hexane                    | 2.852  | 57    | 29064    | 1.256    | ppbv # | 60       |
| 30) Cyclohexane               | 3.891  | 84    | 3228     | 0.161    | ppbv # | 16       |
| 31) cis-1,2-Dichloroethene    | 2.861  | 61    | 3611     | 0.154    | ppbv # | 27       |
| 34) 2-Butanone                | 2.580  | 43    | 53746    | 1.844    | ppbv   | 97       |
| 36) Benzene                   | 3.687  | 78    | 26856    | 0.674    | ppbv # | 91       |
| 39) 1,2-Dichloropropane       | 3.994  | 63    | 101927   | 7.023    | ppbv # | 22       |
| 41) Tetrahydrofuran           | 3.085  | 42    | 53848    | 3.208    | ppbv   | 91       |
| 44) 2,2,4-Trimethylpentane    | 4.687  | 57    | 12748    | 0.189    | ppbv # | 1        |
| 52) Tetrachloroethene         | 8.260  | 164   | 3689     | 0.233    | ppbv   | 91       |
| 53) Toluene                   | 6.978  | 91    | 97628    | 2.067    | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.390  | 91    | 13061    | 0.201    | ppbv # | 89       |
| 59) m/p-Xylene                | 9.561  | 91    | 42208    | 0.814    | ppbv   | 99       |
| 60) o-Xylene                  | 9.995  | 91    | 13960    | 0.269    | ppbv   | 87       |
| 64) n-propylbenzene           | 11.014 | 120   | 869      | 0.043    | ppbv   | 75       |
| 72) 4-Ethyltoluene            | 11.147 | 105   | 4505     | 0.070    | ppbv # | 55       |
| 73) 1,3,5-Trimethylbenzene    | 11.228 | 105   | 4338     | 0.077    | ppbv # | 79       |
| 74) 1,2,4-Trimethylbenzene    | 11.561 | 105   | 17878    | 0.275    | ppbv # | 69       |
| -----                         |        |       |          |          |        |          |

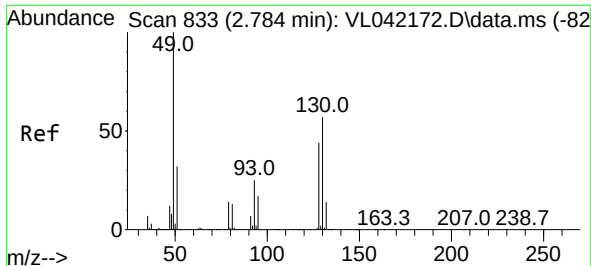
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1802-02  
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Instrument :  
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Quant Time: Apr 16 01:32:53 2025  
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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  
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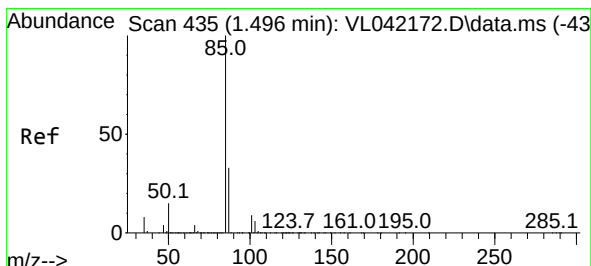
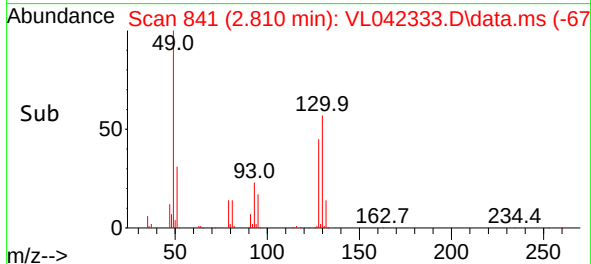
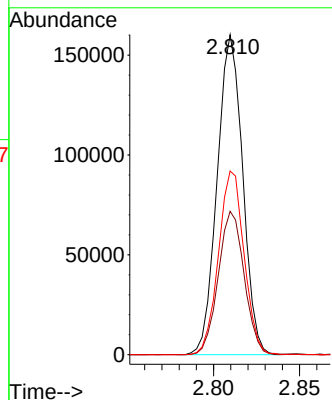
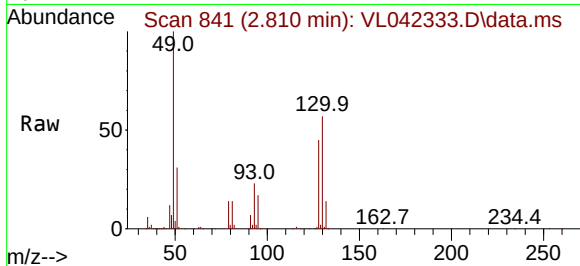




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.810 min Scan# 841  
Delta R.T. 0.026 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

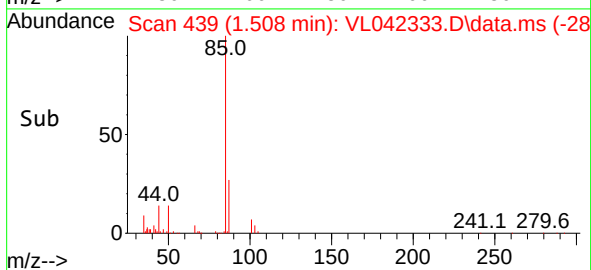
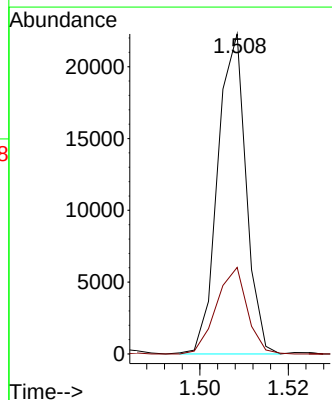
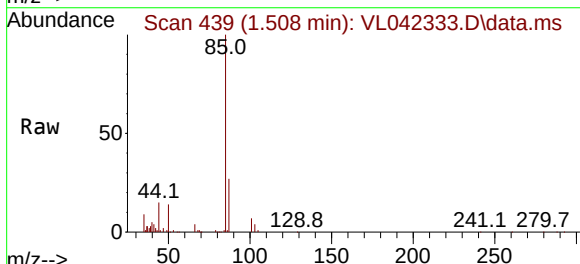
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

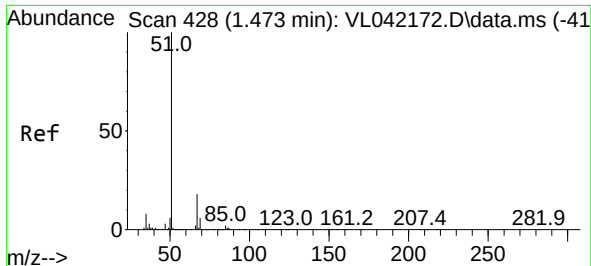
Tgt Ion: 49 Resp: 165032  
Ion Ratio Lower Upper  
49 100  
128 45.5 22.9 68.5  
130 57.8 28.8 86.4



#2  
Dichlorodifluoromethane  
Concen: 0.407 ppbv  
RT: 1.508 min Scan# 439  
Delta R.T. 0.013 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 85 Resp: 9916  
Ion Ratio Lower Upper  
85 100  
87 27.0 26.1 39.1

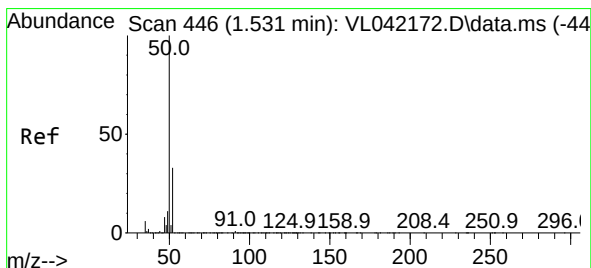
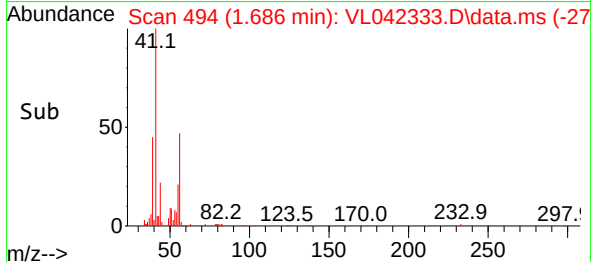
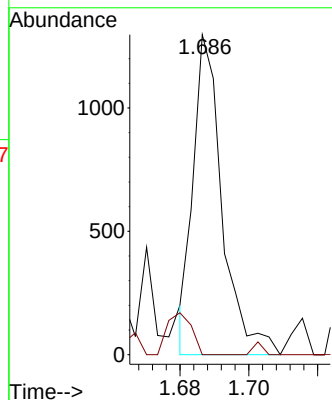
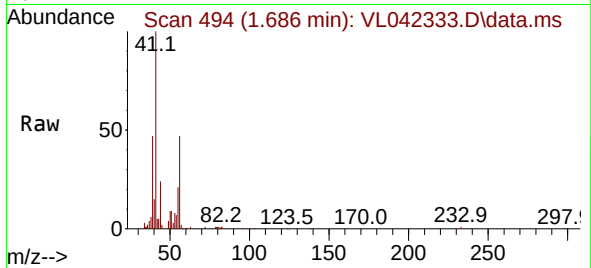




#3  
Chlorodifluoromethane  
Concen: 0.030 ppbv  
RT: 1.686 min Scan# 494  
Delta R.T. 0.213 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

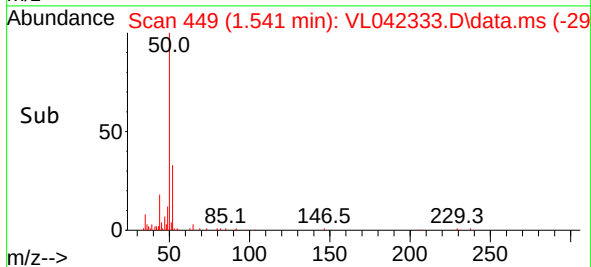
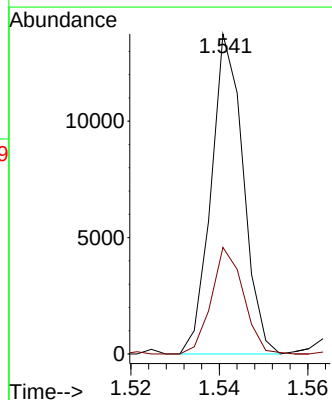
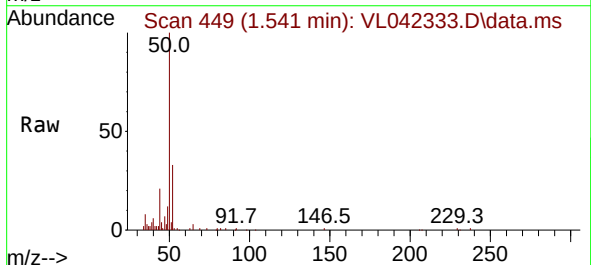
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

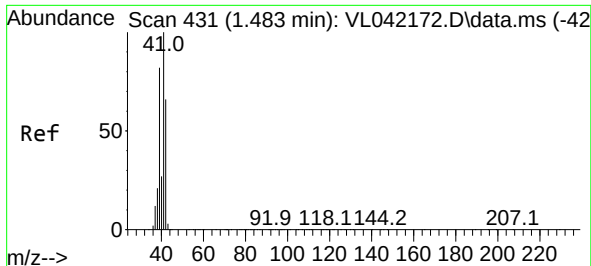
Tgt Ion: 51 Resp: 757  
Ion Ratio Lower Upper  
51 100  
67 18.4 15.0 22.6



#4  
Chloromethane  
Concen: 0.696 ppbv  
RT: 1.541 min Scan# 449  
Delta R.T. 0.009 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 50 Resp: 6928  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.1 39.1





#9

Propene

Concen: 4.181 ppbv

RT: 1.570 min Scan# 41

Delta R.T. 0.087 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

Instrument :

MSVOA\_L

ClientSampleId :

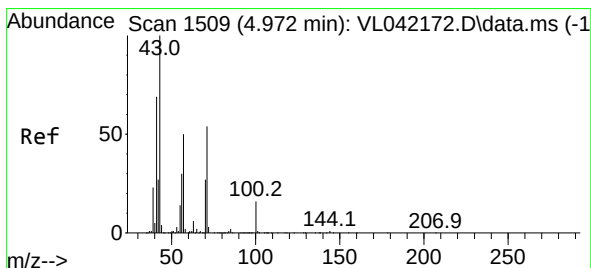
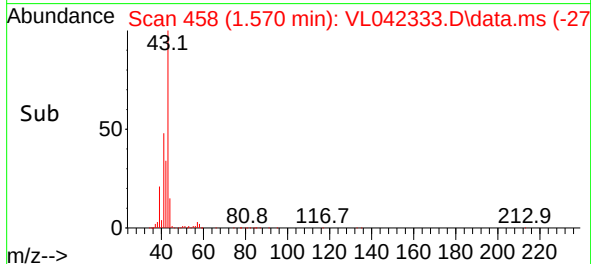
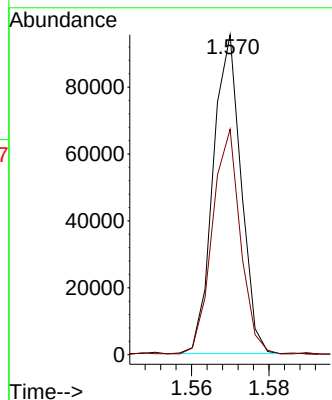
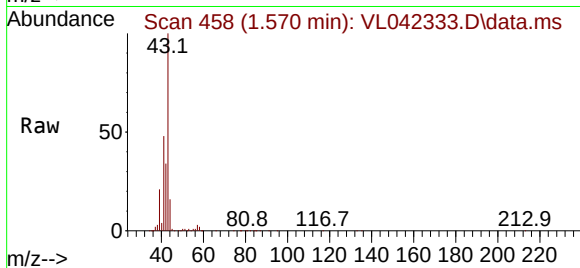
IA1

Tgt Ion: 41 Resp: 47702

Ion Ratio Lower Upper

41 100

42 72.0 55.4 83.2



#10

Heptane

Concen: 0.215 ppbv

RT: 5.023 min Scan# 1525

Delta R.T. 0.051 min

Lab File: VL042333.D

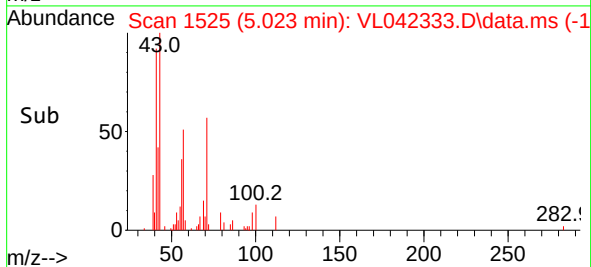
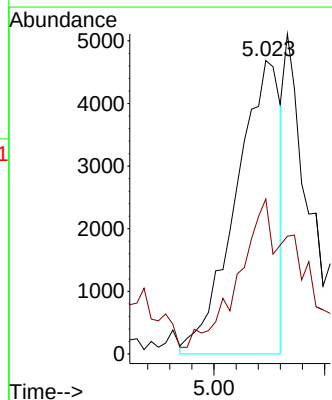
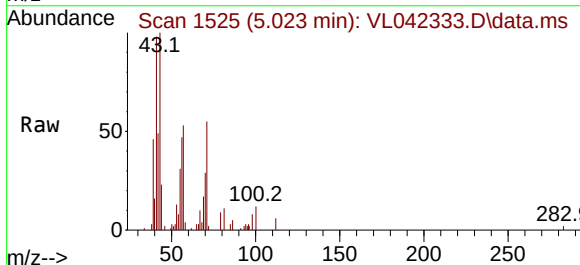
Acq: 15 Apr 2025 15:35

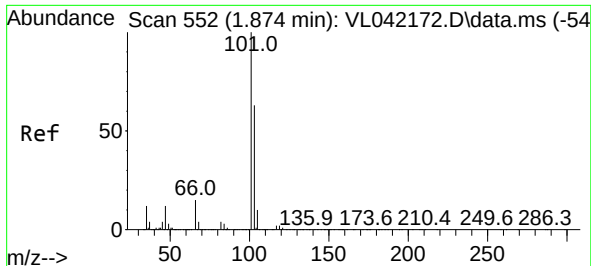
Tgt Ion: 43 Resp: 6524

Ion Ratio Lower Upper

43 100

57 74.0 39.4 59.2#

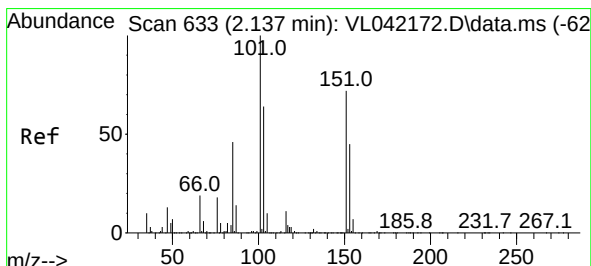
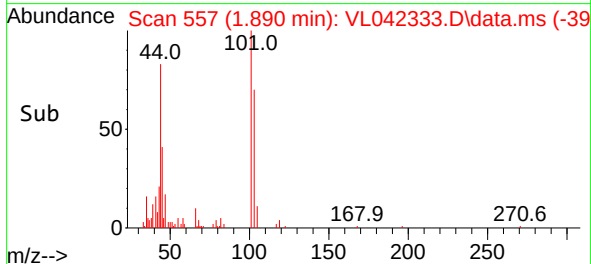
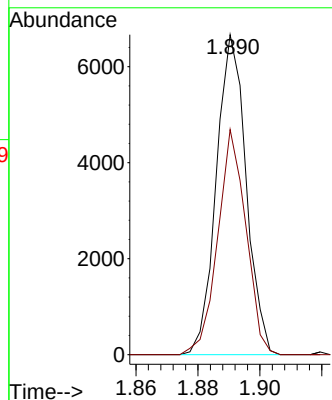
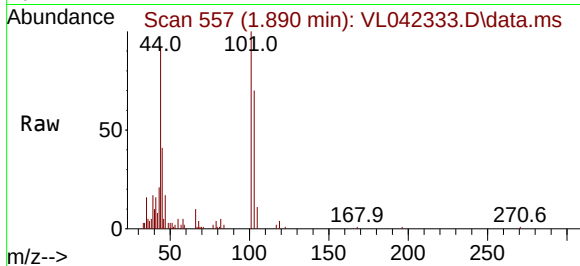




#11  
 Trichlorofluoromethane  
 Concen: 0.188 ppbv  
 RT: 1.890 min Scan# 511  
 Delta R.T. 0.016 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

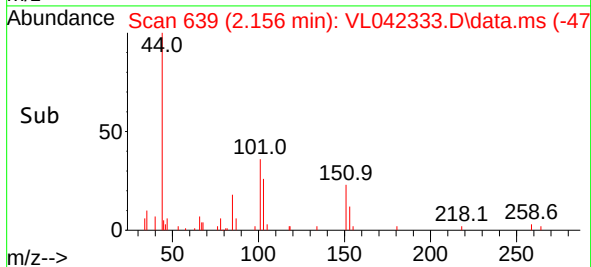
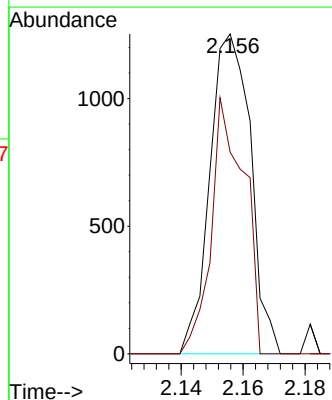
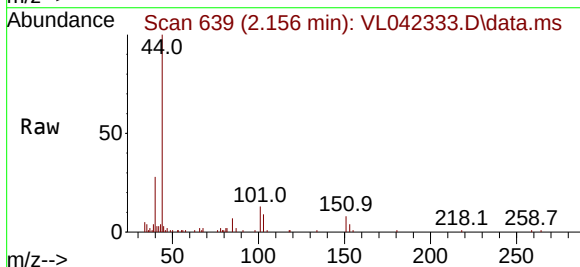
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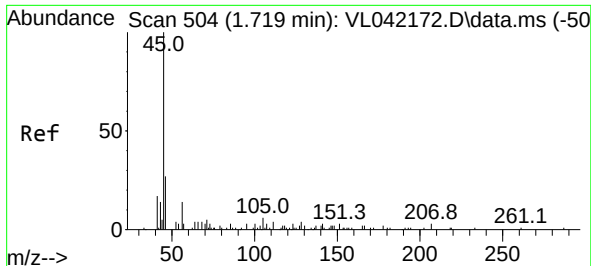
Tgt Ion:101 Resp: 4453  
 Ion Ratio Lower Upper  
 101 100  
 103 70.4 50.2 75.2



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.059 ppbv  
 RT: 2.156 min Scan# 639  
 Delta R.T. 0.019 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

Tgt Ion:101 Resp: 1143  
 Ion Ratio Lower Upper  
 101 100  
 151 64.7 57.1 85.7

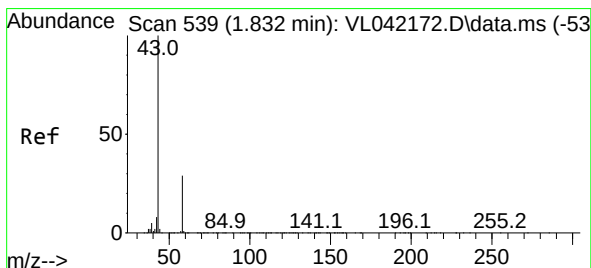
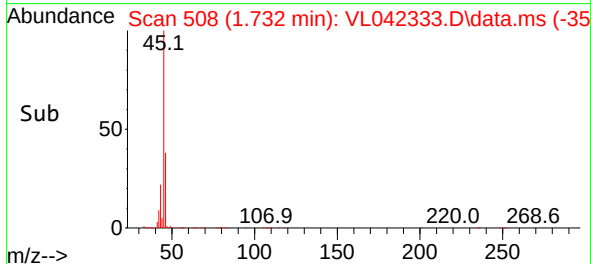
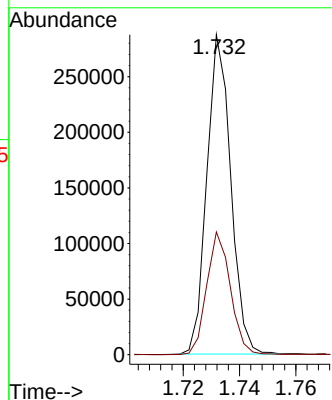
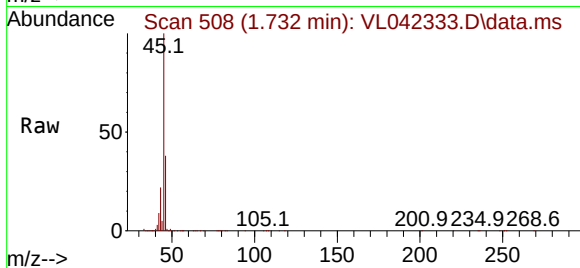




#13  
 Ethanol  
 Concen: 156.984 ppbv  
 RT: 1.732 min Scan# 504  
 Delta R.T. 0.013 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

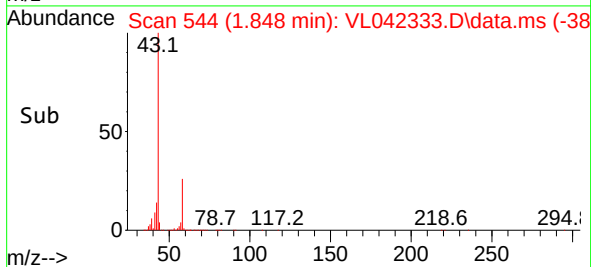
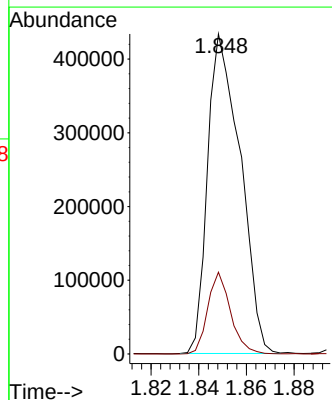
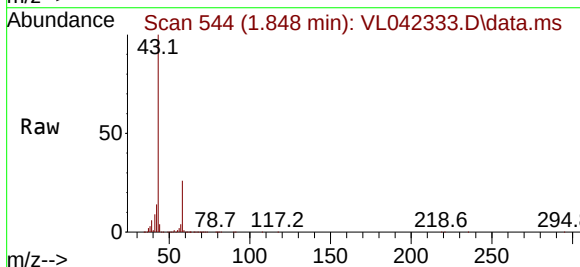
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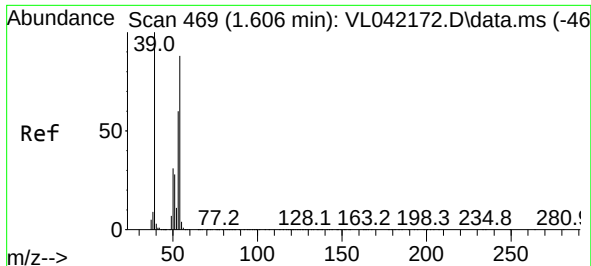
Tgt Ion: 45 Resp: 169320  
 Ion Ratio Lower Upper  
 45 100  
 46 38.5 20.2 80.8



#15  
 Acetone  
 Concen: 17.835 ppbv  
 RT: 1.848 min Scan# 544  
 Delta R.T. 0.016 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

Tgt Ion: 43 Resp: 411650  
 Ion Ratio Lower Upper  
 43 100  
 58 18.0 23.2 34.8#

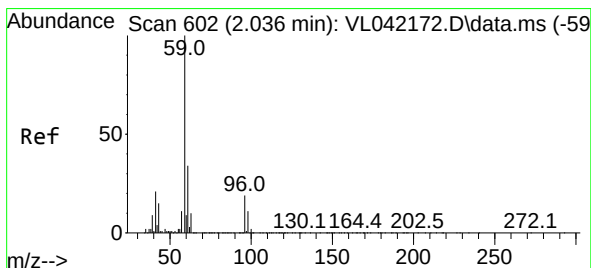
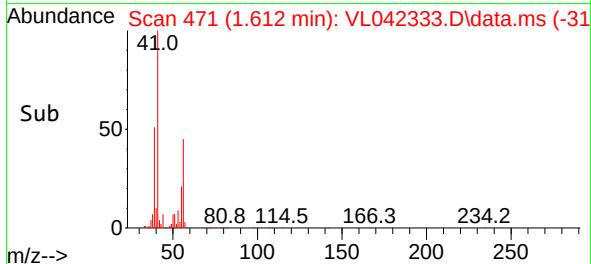
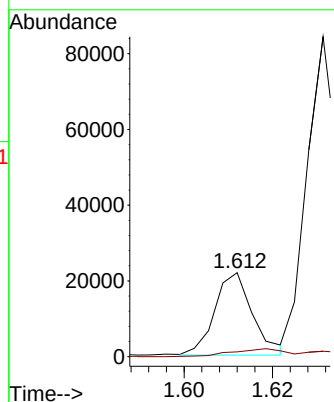
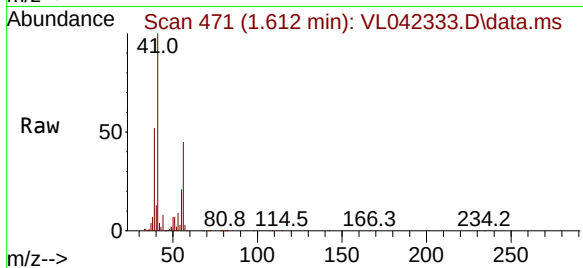




#16  
1,3-Butadiene  
Concen: 1.149 ppbv  
RT: 1.612 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

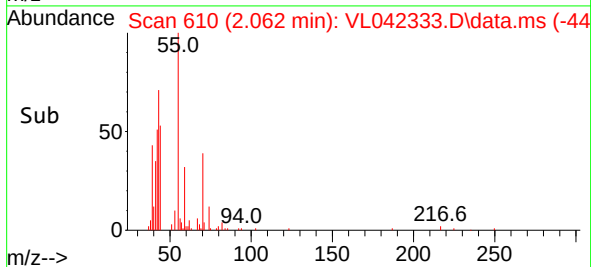
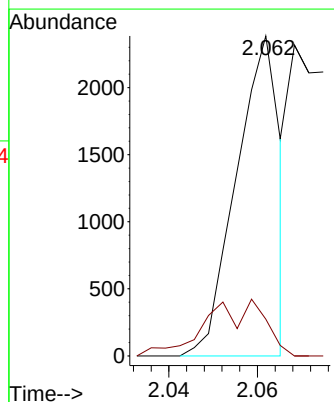
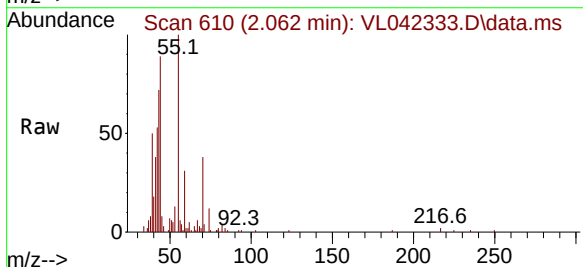
Instrument :  
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ClientSampleId :  
IA1

Tgt Ion: 39 Resp: 12950  
Ion Ratio Lower Upper  
39 100  
54 20.3 60.7 91.1#

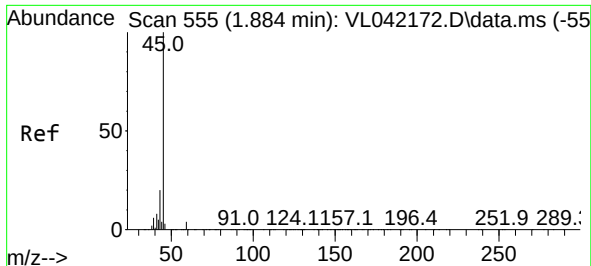


#17  
tert-Butyl alcohol  
Concen: 0.057 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.026 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 59 Resp: 1627  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



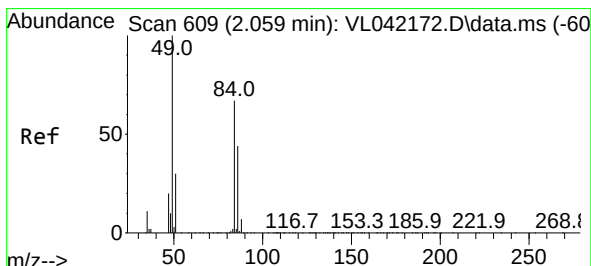
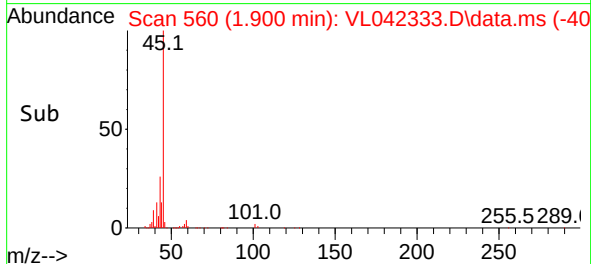
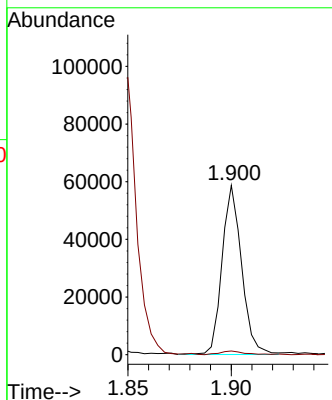
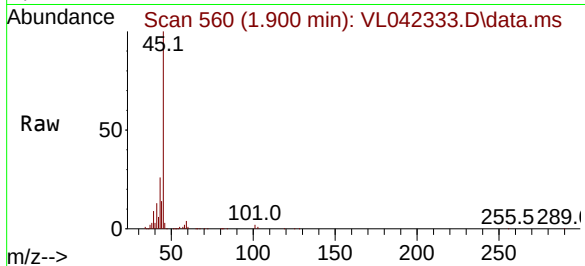




#19  
Isopropyl Alcohol  
Concen: 2.971 ppbv  
RT: 1.900 min Scan# 501  
Delta R.T. 0.016 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

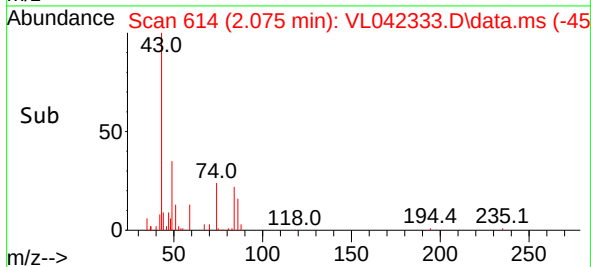
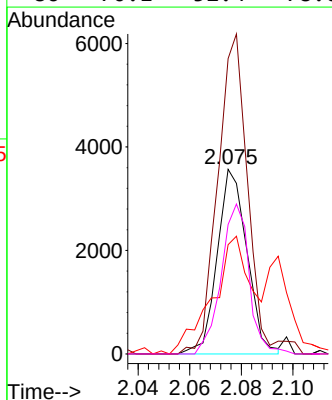
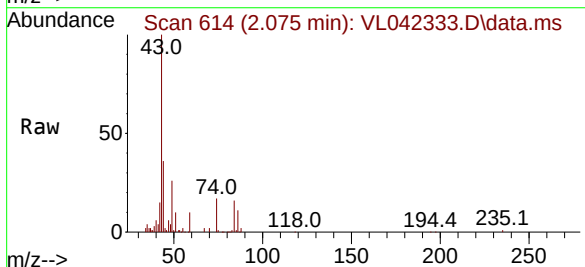
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

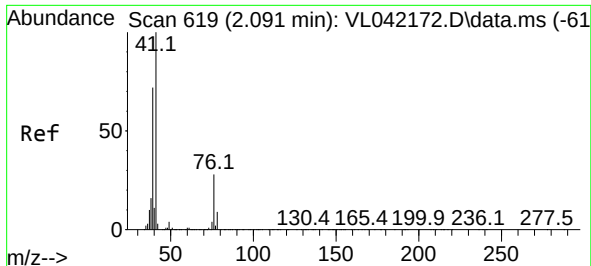
Tgt Ion: 45 Resp: 38693  
Ion Ratio Lower Upper  
45 100  
58 191.7 36.9 55.3#



#20  
Methylene Chloride  
Concen: 0.332 ppbv  
RT: 2.075 min Scan# 614  
Delta R.T. 0.016 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 84 Resp: 2851  
Ion Ratio Lower Upper  
84 100  
49 154.1 120.2 180.4  
51 54.4 37.4 56.0  
86 70.1 52.4 78.6

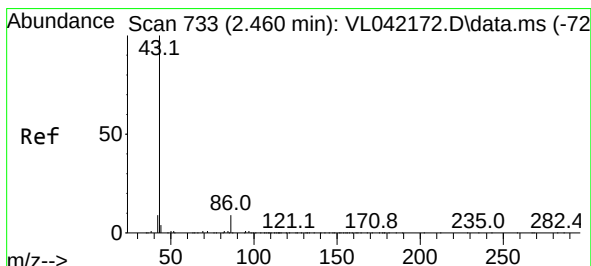
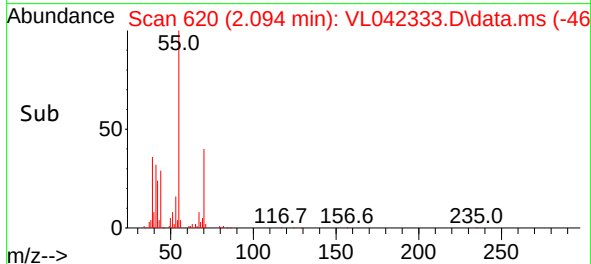
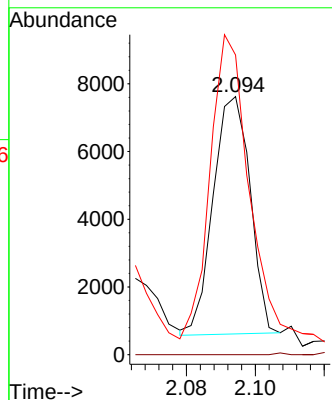
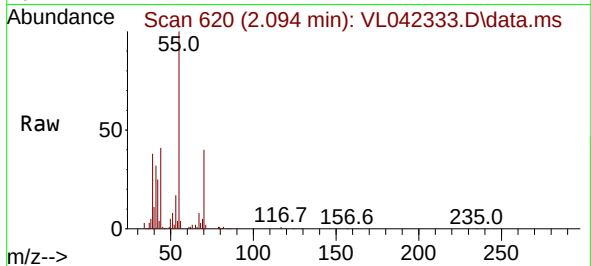




#21  
 Allyl Chloride  
 Concen: 0.322 ppbv  
 RT: 2.094 min Scan# 619  
 Delta R.T. 0.003 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

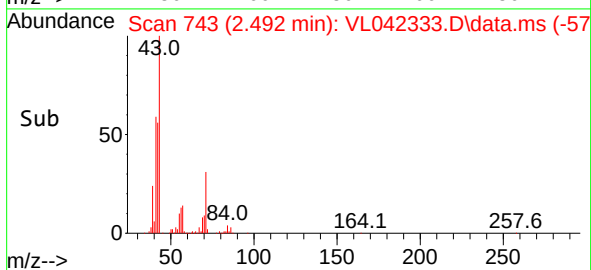
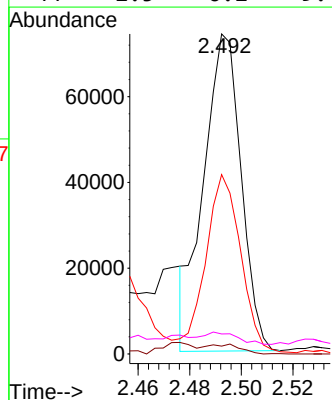
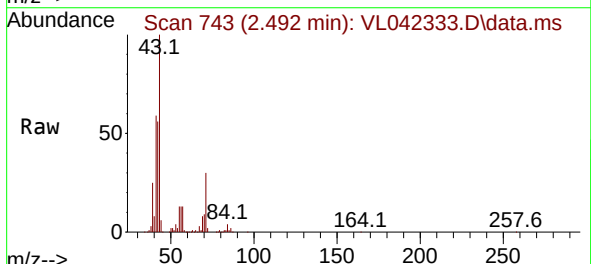
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

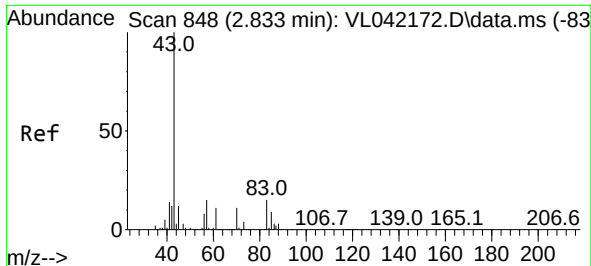
Tgt Ion: 41 Resp: 5241  
 Ion Ratio Lower Upper  
 41 100  
 76 0.5 24.1 36.1#  
 39 189.5 61.1 91.7#



#23  
 Vinyl Acetate  
 Concen: 7.470 ppbv  
 RT: 2.492 min Scan# 743  
 Delta R.T. 0.032 min  
 Lab File: VL042333.D  
 Acq: 15 Apr 2025 15:35

Tgt Ion: 43 Resp: 74625  
 Ion Ratio Lower Upper  
 43 100  
 86 2.4 5.5 8.3#  
 42 56.0 8.6 13.0#  
 44 2.5 6.2 9.4#

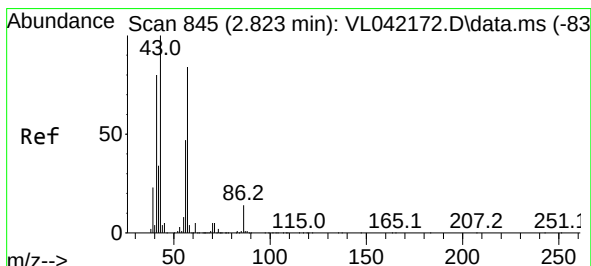
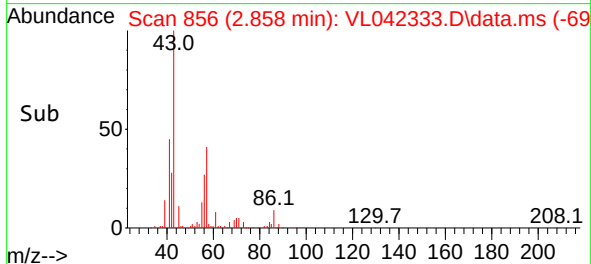
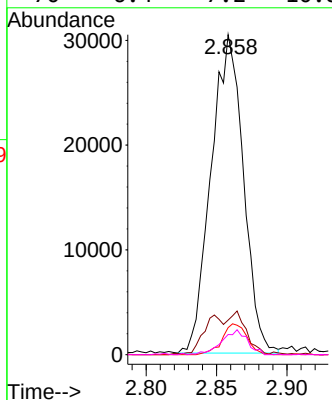
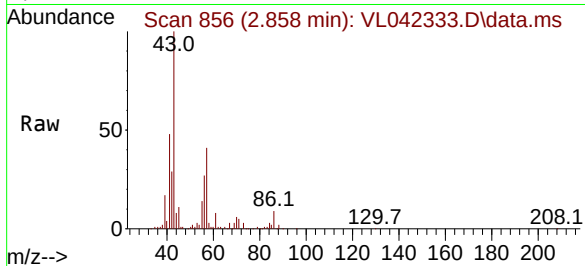




#25  
Ethyl Acetate  
Concen: 0.811 ppbv  
RT: 2.858 min Scan# 81  
Delta R.T. 0.026 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

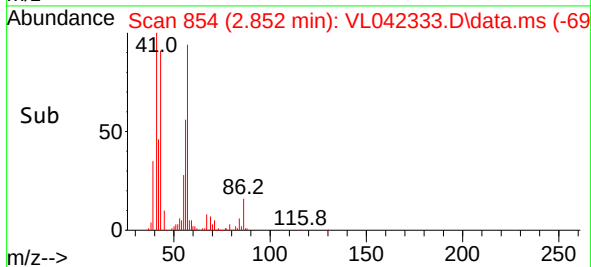
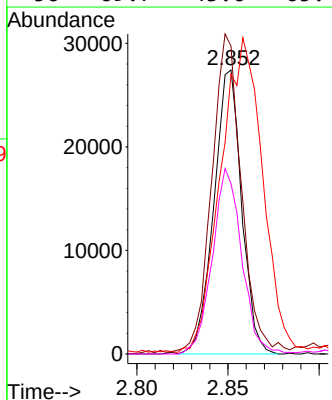
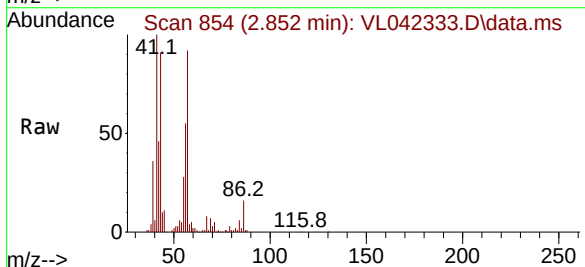
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

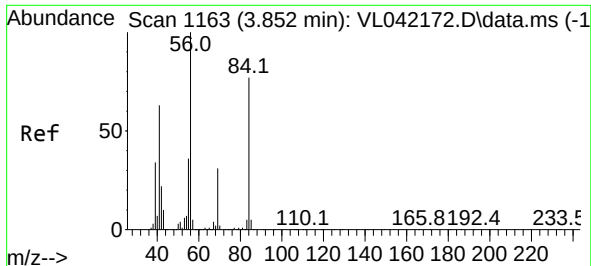
Tgt Ion: 43 Resp: 48568  
Ion Ratio Lower Upper  
43 100  
45 15.9 8.2 12.2#  
61 7.4 7.3 10.9  
70 6.4 7.2 10.8#



#26  
Hexane  
Concen: 1.256 ppbv  
RT: 2.852 min Scan# 854  
Delta R.T. 0.029 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 57 Resp: 29064  
Ion Ratio Lower Upper  
57 100  
41 121.7 76.6 114.8#  
43 171.4 207.8 311.8#  
56 69.7 43.6 65.4#

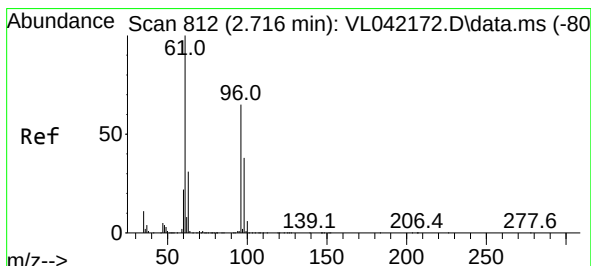
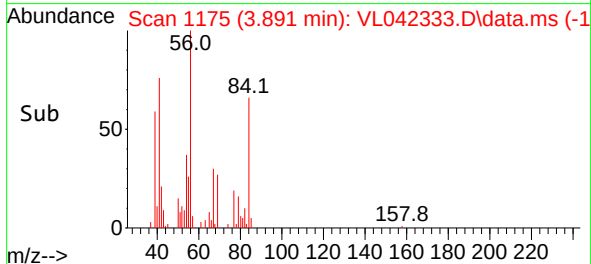
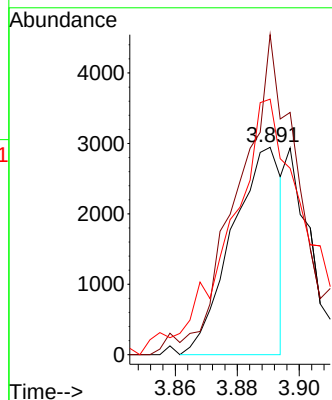
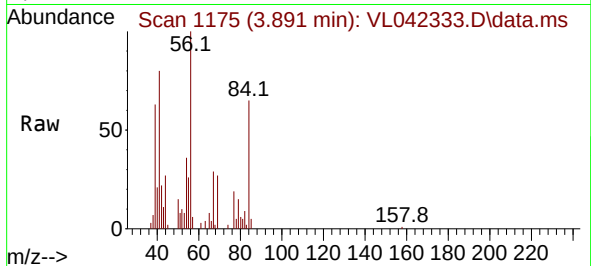




#30  
Cyclohexane  
Concen: 0.161 ppbv  
RT: 3.891 min Scan# 1163  
Delta R.T. 0.039 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

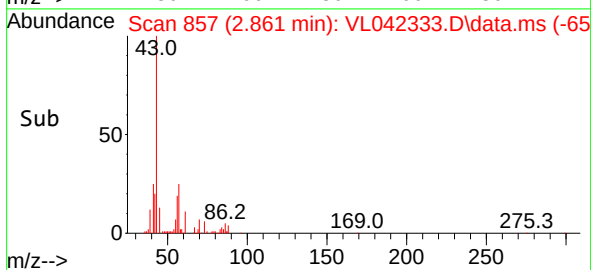
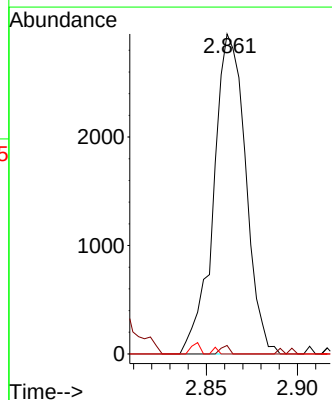
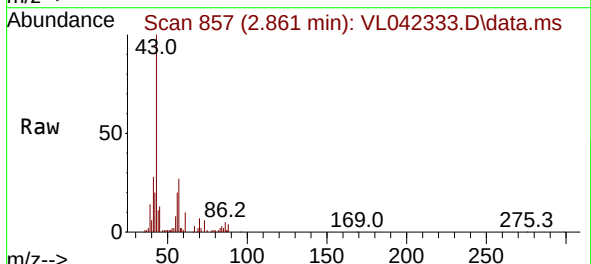
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

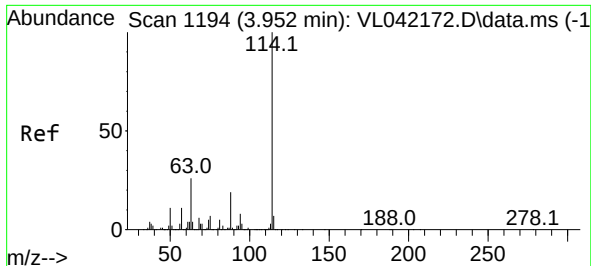
Tgt Ion: 84 Resp: 3228  
Ion Ratio Lower Upper  
84 100  
56 192.2 102.8 154.2#  
41 198.7 66.5 99.7#



#31  
cis-1,2-Dichloroethene  
Concen: 0.154 ppbv  
RT: 2.861 min Scan# 857  
Delta R.T. 0.145 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 61 Resp: 3611  
Ion Ratio Lower Upper  
61 100  
96 2.6 51.8 77.8#  
98 0.0 30.6 46.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.994 min Scan# 11

Delta R.T. 0.042 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

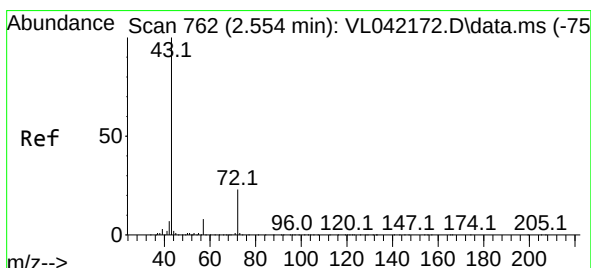
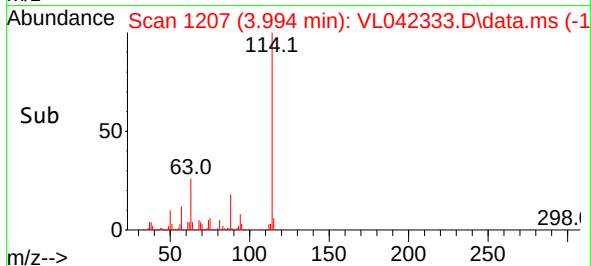
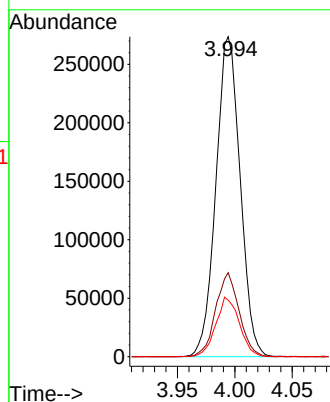
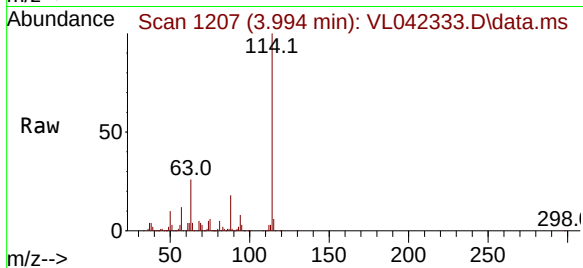
Tgt Ion:114 Resp: 401986

Ion Ratio Lower Upper

114 100

63 25.5 20.7 31.1

88 18.1 15.0 22.4



#34

2-Butanone

Concen: 1.844 ppbv

RT: 2.580 min Scan# 770

Delta R.T. 0.026 min

Lab File: VL042333.D

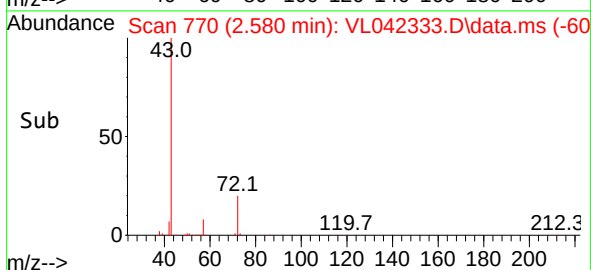
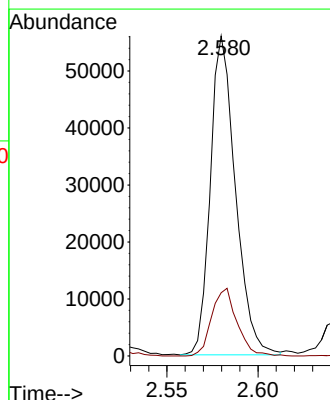
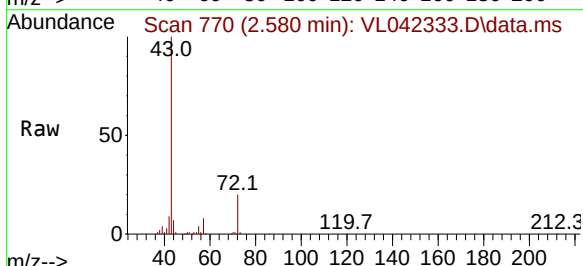
Acq: 15 Apr 2025 15:35

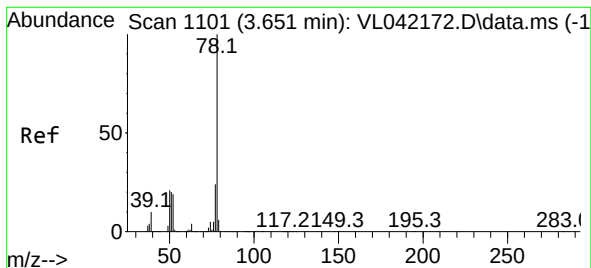
Tgt Ion: 43 Resp: 53746

Ion Ratio Lower Upper

43 100

72 21.3 18.2 27.2





#36

Benzene

Concen: 0.674 ppbv

RT: 3.687 min Scan# 1112

Delta R.T. 0.035 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

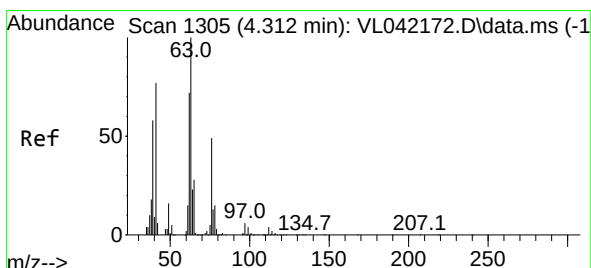
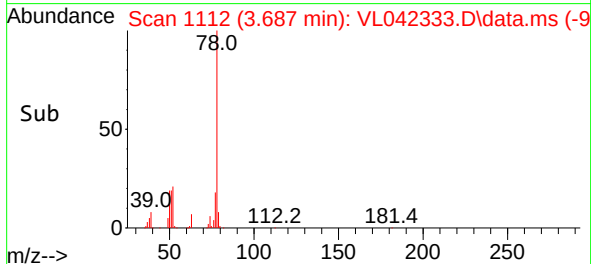
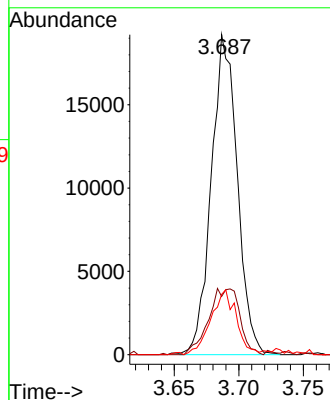
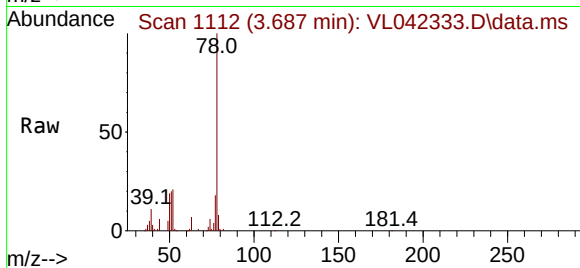
Tgt Ion: 78 Resp: 26856

Ion Ratio Lower Upper

78 100

77 18.2 19.1 28.7#

50 18.1 16.6 24.8



#39

1,2-Dichloropropane

Concen: 7.023 ppbv

RT: 3.994 min Scan# 1207

Delta R.T. -0.317 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

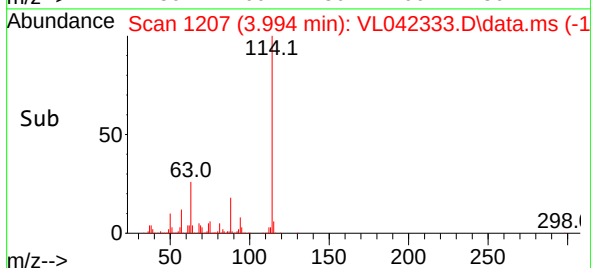
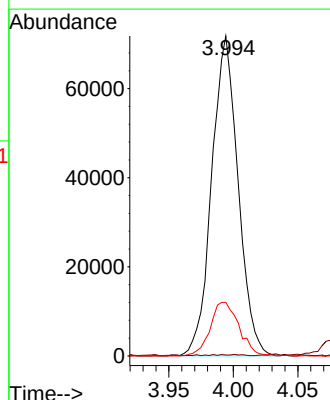
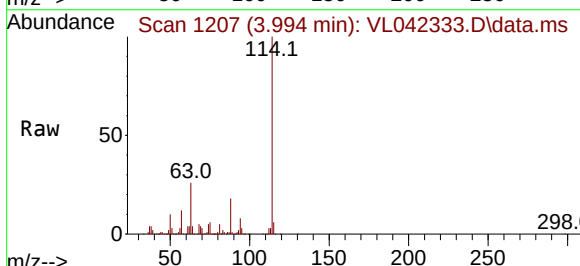
Tgt Ion: 63 Resp: 101927

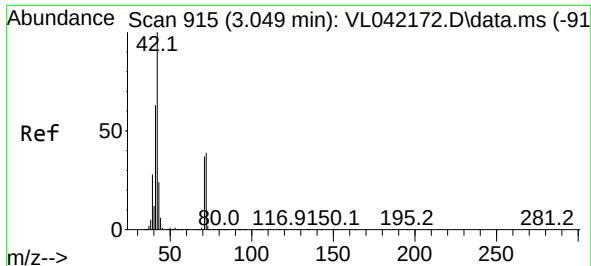
Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 16.8 57.6 86.4#





#41

Tetrahydrofuran

Concen: 3.208 ppbv

RT: 3.085 min Scan# 915

Delta R.T. 0.035 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

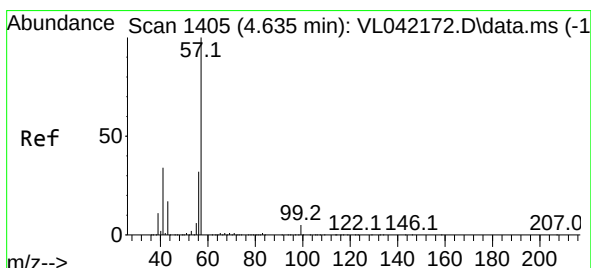
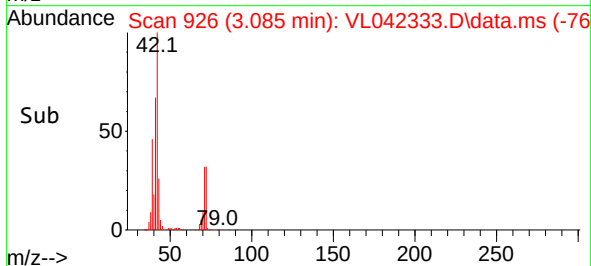
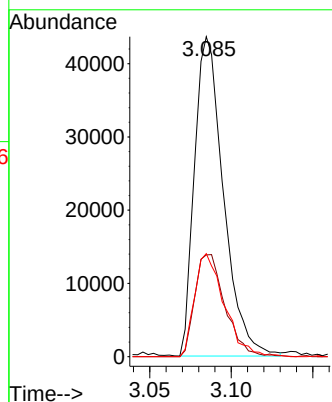
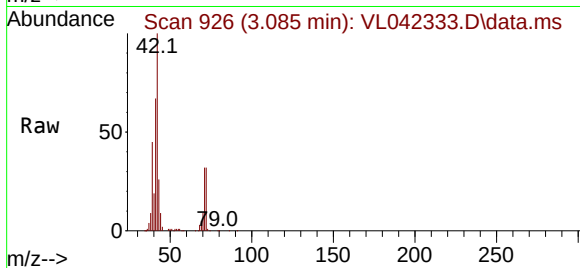
Tgt Ion: 42 Resp: 53848

Ion Ratio Lower Upper

42 100

72 33.4 31.4 47.0

71 33.1 30.2 45.4



#44

2,2,4-Trimethylpentane

Concen: 0.189 ppbv

RT: 4.687 min Scan# 1421

Delta R.T. 0.052 min

Lab File: VL042333.D

Acq: 15 Apr 2025 15:35

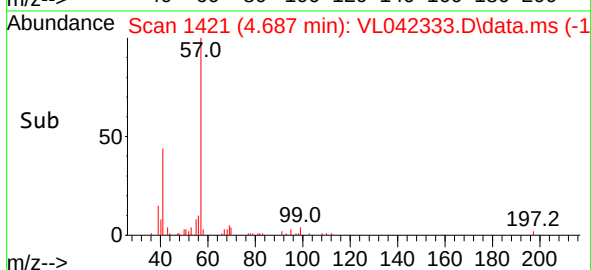
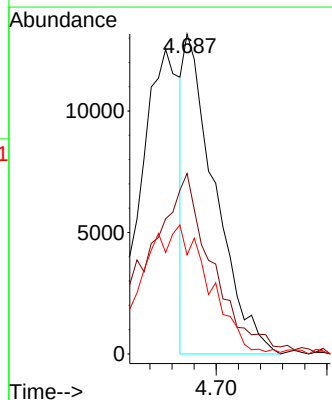
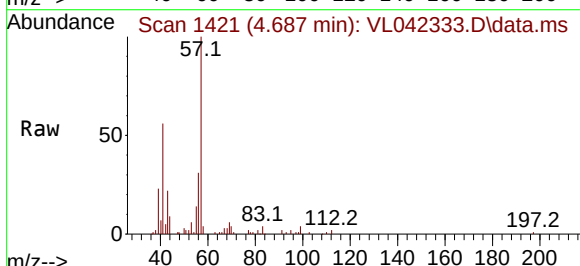
Tgt Ion: 57 Resp: 12748

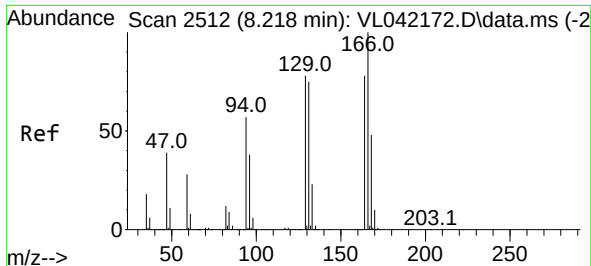
Ion Ratio Lower Upper

57 100

41 133.1 26.8 40.2#

56 106.0 25.6 38.4#

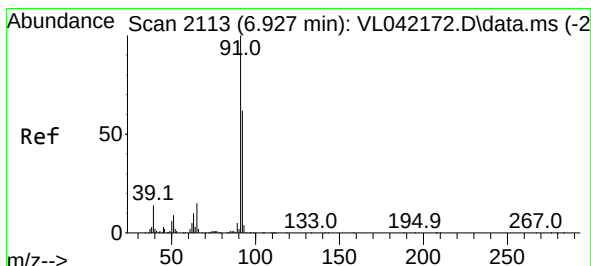
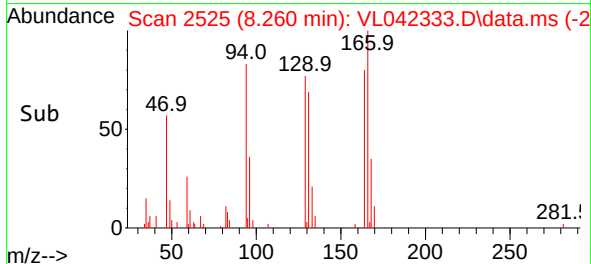
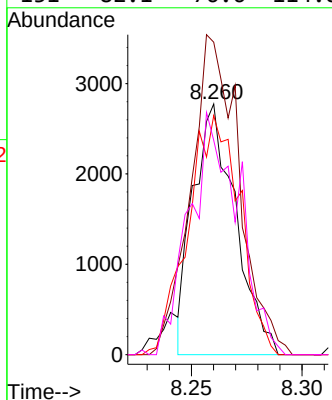
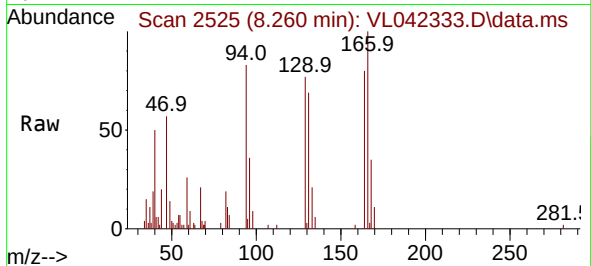




#52  
Tetrachloroethene  
Concen: 0.233 ppbv  
RT: 8.260 min Scan# 2129  
Delta R.T. 0.042 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

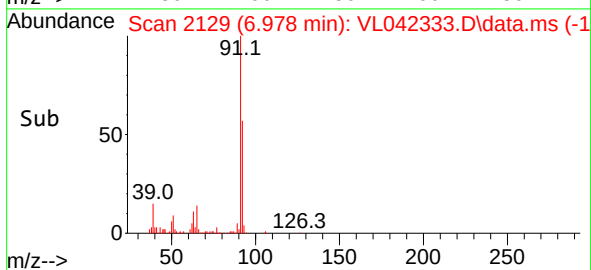
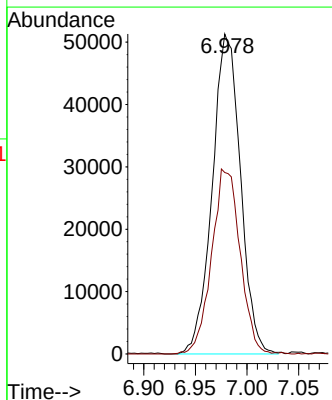
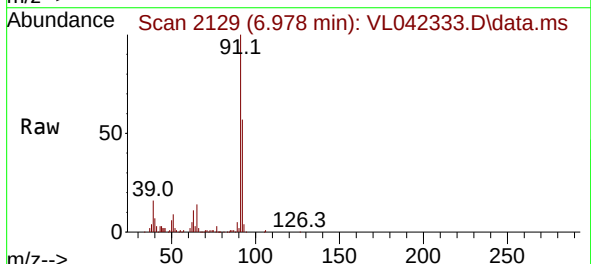
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 3689  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 119.0 | 102.5 | 153.7 |
| 129      | 95.4  | 79.8  | 119.8 |
| 131      | 82.1  | 76.6  | 114.8 |

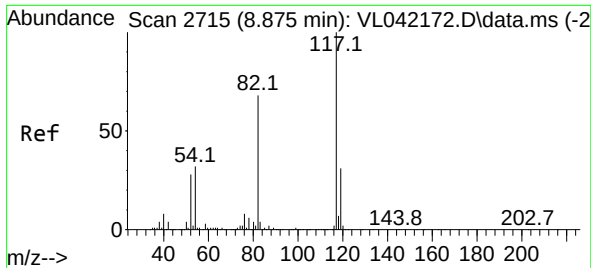


#53  
Toluene  
Concen: 2.067 ppbv  
RT: 6.978 min Scan# 2129  
Delta R.T. 0.051 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 97628 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 58.3  | 48.4  | 72.6  |



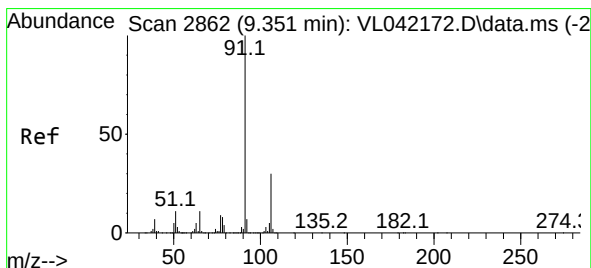
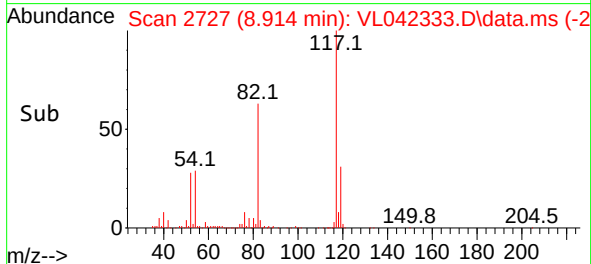
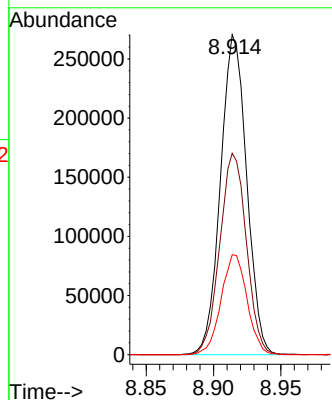
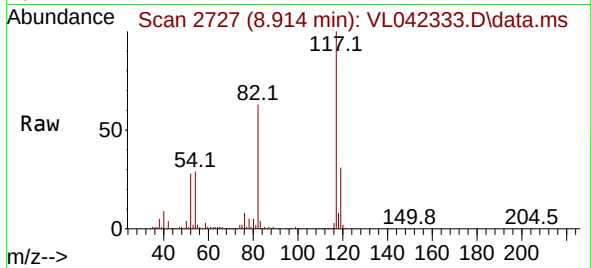




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.914 min Scan# 21  
Delta R.T. 0.039 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

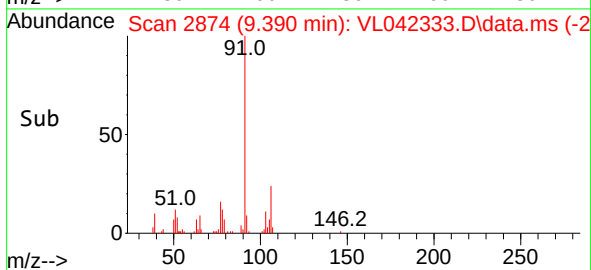
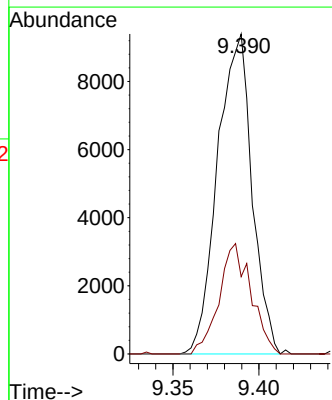
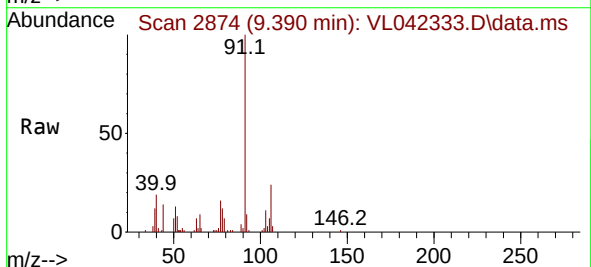
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

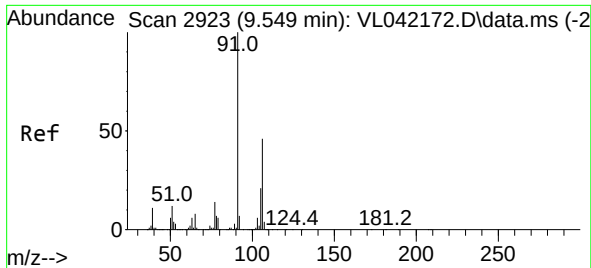
Tgt Ion: 117 Resp: 365464  
Ion Ratio Lower Upper  
117 100  
82 64.1 55.8 83.6  
119 31.1 25.5 38.3



#58  
Ethyl Benzene  
Concen: 0.201 ppbv  
RT: 9.390 min Scan# 2874  
Delta R.T. 0.039 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 91 Resp: 13061  
Ion Ratio Lower Upper  
91 100  
106 24.2 24.2 36.2#

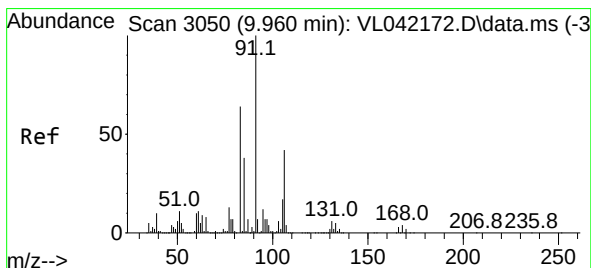
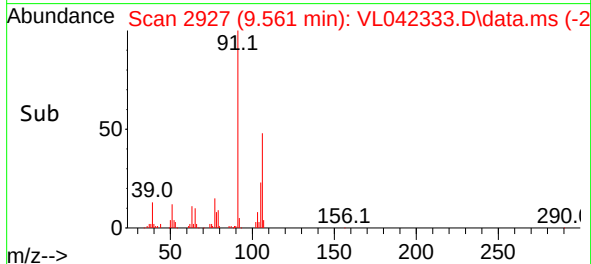
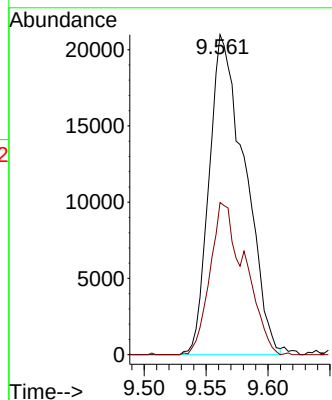
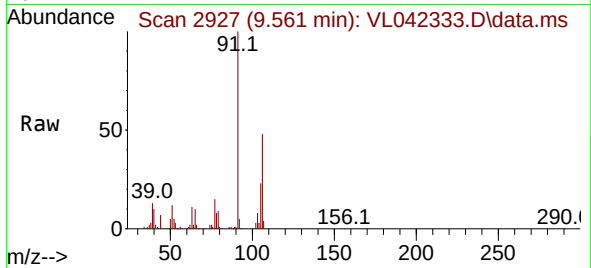




#59  
m/p-Xylene  
Concen: 0.814 ppbv  
RT: 9.561 min Scan# 2927  
Delta R.T. 0.013 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

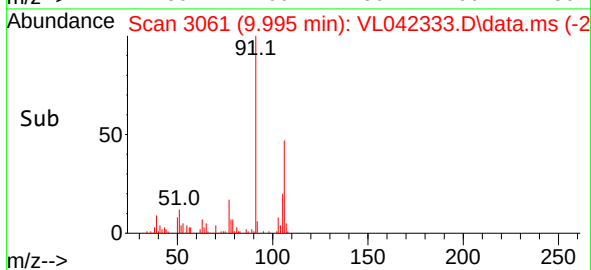
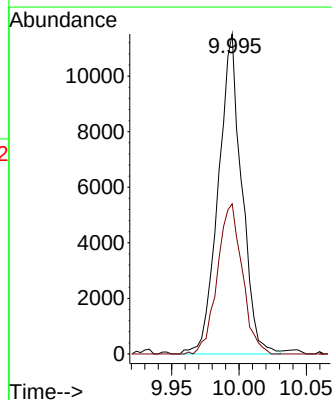
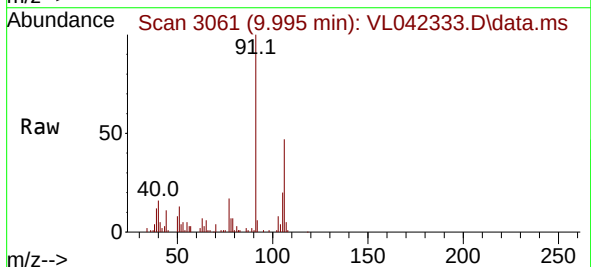
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

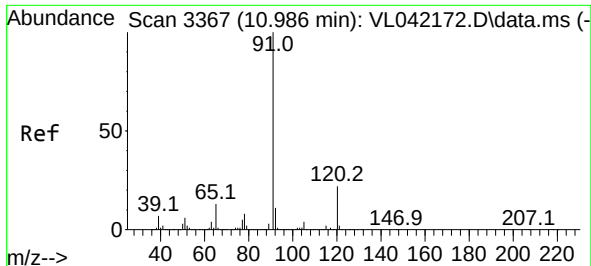
Tgt Ion: 91 Resp: 42208  
Ion Ratio Lower Upper  
91 100  
106 46.4 36.4 54.6



#60  
o-Xylene  
Concen: 0.269 ppbv  
RT: 9.995 min Scan# 3061  
Delta R.T. 0.035 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 91 Resp: 13960  
Ion Ratio Lower Upper  
91 100  
106 49.6 20.8 62.5

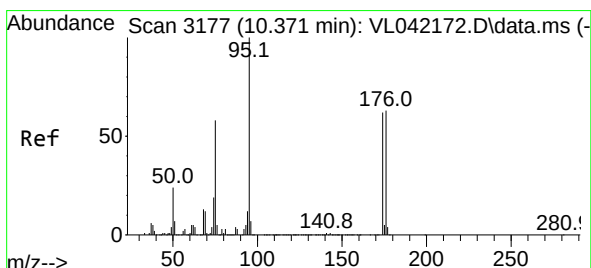
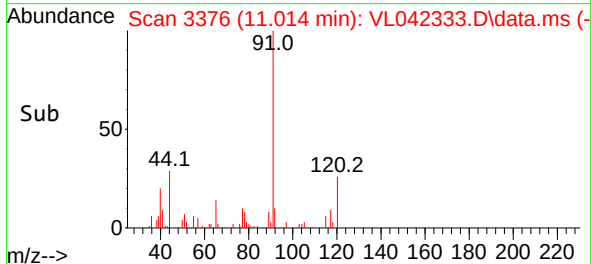
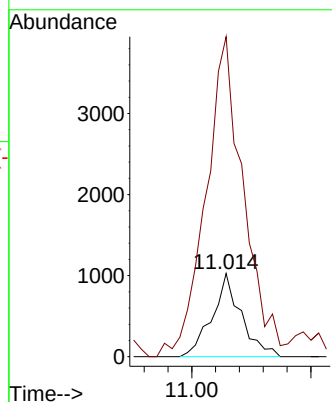
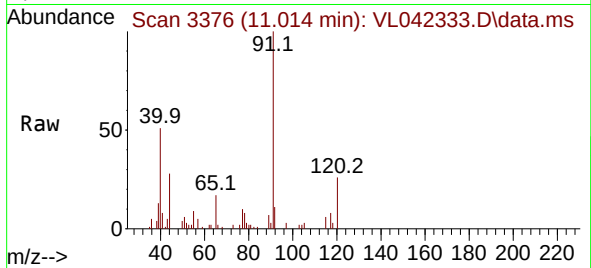




#64  
n-propylbenzene  
Concen: 0.043 ppbv  
RT: 11.014 min Scan# 3187  
Delta R.T. 0.029 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

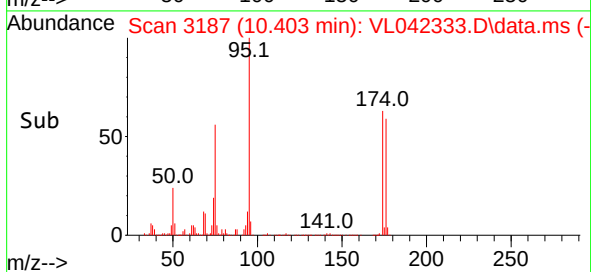
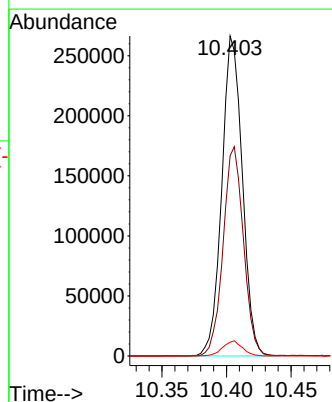
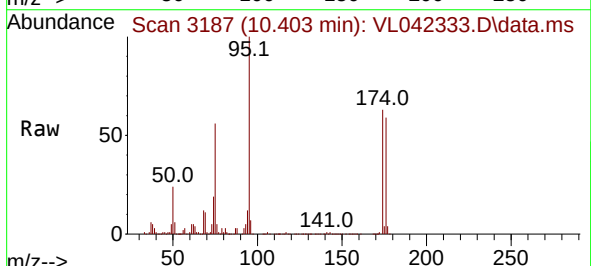
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

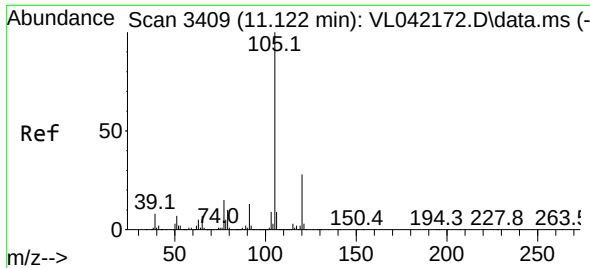
Tgt Ion:120 Resp: 869  
Ion Ratio Lower Upper  
120 100  
91 536.2 376.9 565.3



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.793 ppbv  
RT: 10.403 min Scan# 3187  
Delta R.T. 0.032 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

Tgt Ion: 95 Resp: 293899  
Ion Ratio Lower Upper  
95 100  
174 65.2 50.6 76.0  
175 4.6 3.8 5.6

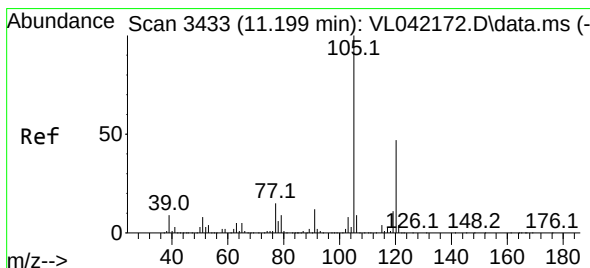
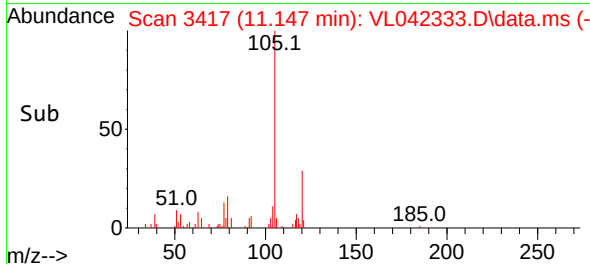
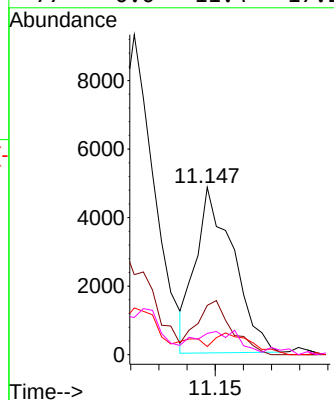
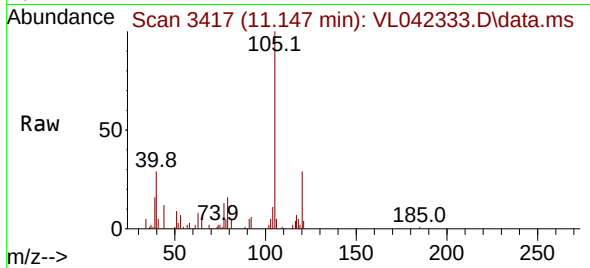




#72  
4-Ethyltoluene  
Concen: 0.070 ppbv  
RT: 11.147 min Scan# 3409  
Delta R.T. 0.026 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

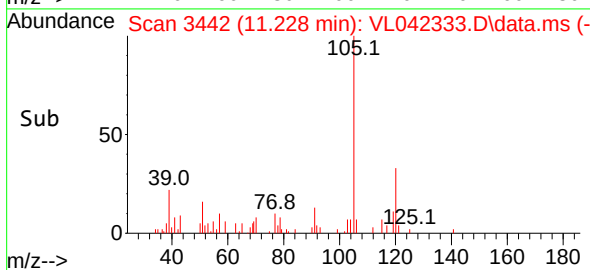
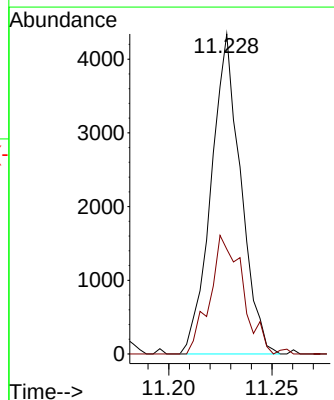
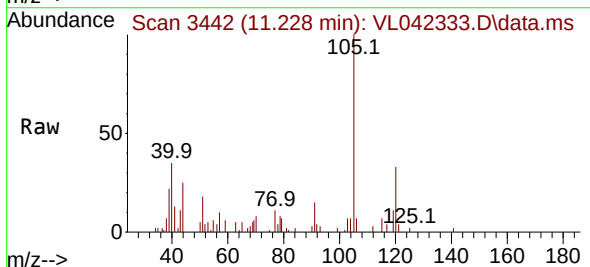
Instrument :  
MSVOA\_1  
ClientSampleId :  
1A1

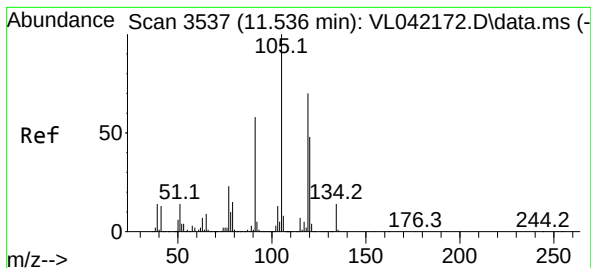
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 4505  |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 0.0   | 23.4  | 35.0# |
| 91        | 0.0   | 10.3  | 15.5# |
| 77        | 0.0   | 11.4  | 17.2# |



#73  
1,3,5-Trimethylbenzene  
Concen: 0.077 ppbv  
RT: 11.228 min Scan# 3442  
Delta R.T. 0.029 min  
Lab File: VL042333.D  
Acq: 15 Apr 2025 15:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 4338  |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 32.8  | 37.4  | 56.0# |





#74

1,2,4-Trimethylbenzene

Concen: 0.275 ppbv

RT: 11.561 min Scan# 3

Delta R.T. 0.026 min

Lab File: VL042333.D

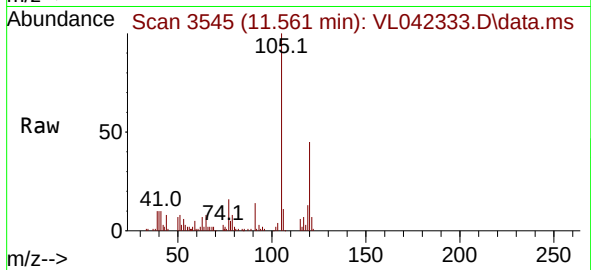
Acq: 15 Apr 2025 15:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1



Tgt Ion:105 Resp: 17878

Ion Ratio Lower Upper

105 100

120 45.6 38.6 58.0

91 13.3 46.2 69.2#

77 15.3 18.6 27.8#

