

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062223\  
 Data File : VL040488.D  
 Acq On : 22 Jun 2023 16:43  
 Operator : SY/MD  
 Sample : 03300-03DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AI-1DUP

Quant Time: Jun 23 01:31:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jun 06 06:22:12 2023  
 Response via : Initial Calibration

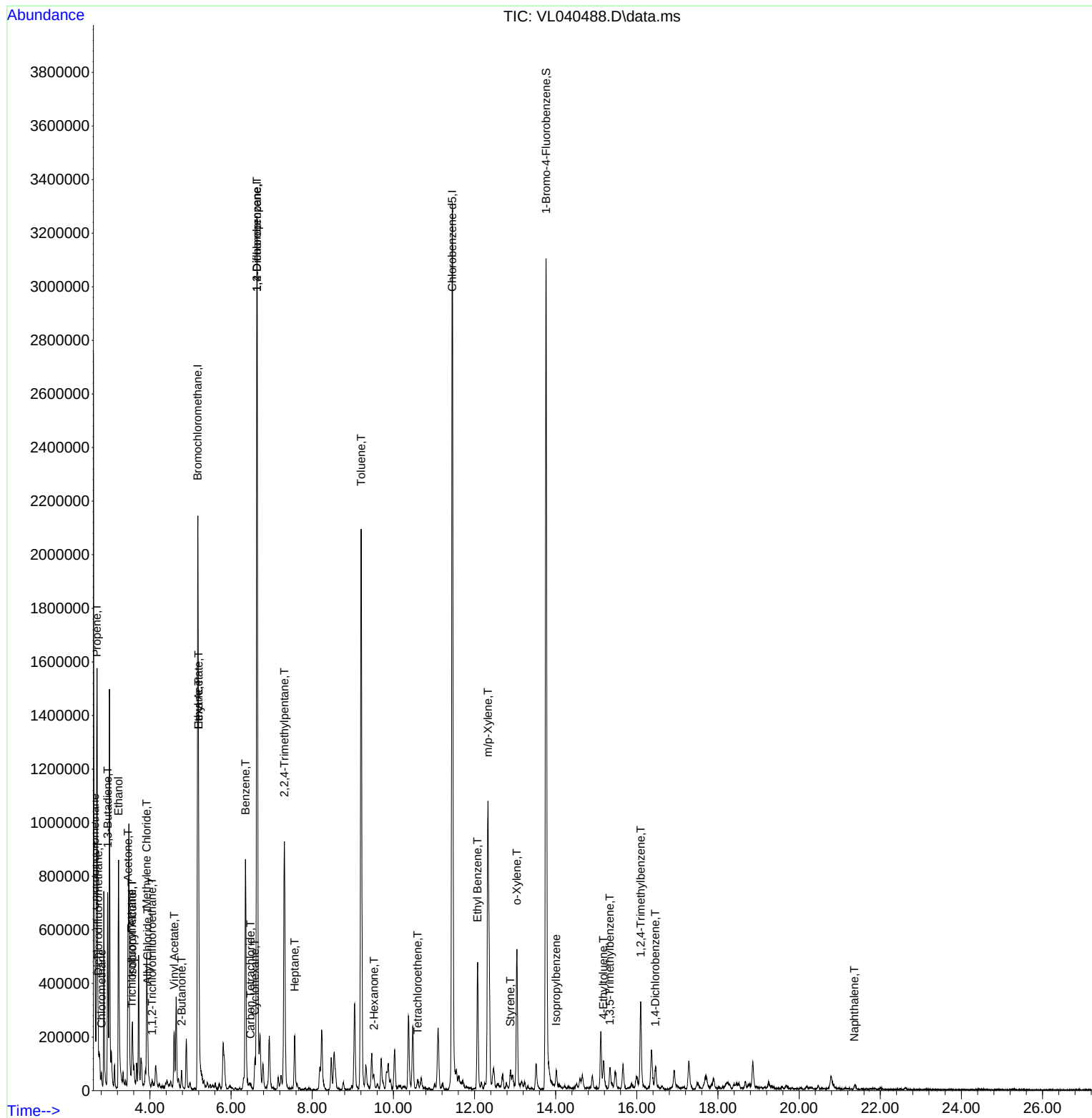
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.179  | 49    | 934945   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.639  | 114   | 2443904  | 10.000   | ppbv   | -0.02    |
| 55) Chlorobenzene-d5          | 11.452 | 117   | 2131515  | 10.000   | ppbv   | -0.03    |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.764 | 95    | 1555121  | 8.840    | ppbv   | -0.02    |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 88.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.726  | 85    | 81973    | 0.403    | ppbv   | 92       |
| 3) Chlorodifluoromethane      | 2.645  | 51    | 198145   | 1.294    | ppbv # | 66       |
| 4) Chloromethane              | 2.806  | 50    | 35830    | 0.604    | ppbv   | 89       |
| 9) Propene                    | 2.690  | 41    | 570462   | 12.081   | ppbv   | 87       |
| 10) Heptane                   | 7.565  | 43    | 71840    | 0.672    | ppbv   | 91       |
| 11) Trichlorofluoromethane    | 3.552  | 101   | 45247    | 0.273    | ppbv   | 90       |
| 12) 1,1,2-Trichlorotrifluo... | 4.054  | 101   | 5450     | 0.047    | ppbv # | 48       |
| 13) Ethanol                   | 3.227  | 45    | 907860   | 92.841   | ppbv   | 97       |
| 15) Acetone                   | 3.459  | 43    | 536292   | 4.756    | ppbv # | 86       |
| 16) 1,3-Butadiene             | 2.957  | 39    | 221231   | 4.031    | ppbv # | 36       |
| 19) Isopropyl Alcohol         | 3.568  | 45    | 198765   | 3.657    | ppbv # | 97       |
| 20) Methylene Chloride        | 3.922  | 84    | 162537   | 3.377    | ppbv   | 98       |
| 21) Allyl Chloride            | 3.944  | 41    | 16120    | 0.253    | ppbv # | 4        |
| 23) Vinyl Acetate             | 4.600  | 43    | 52429    | 0.476    | ppbv # | 1        |
| 25) Ethyl Acetate             | 5.198  | 43    | 181200   | 0.887    | ppbv # | 89       |
| 26) Hexane                    | 5.198  | 57    | 194079   | 2.006    | ppbv # | 52       |
| 30) Cyclohexane               | 6.584  | 84    | 15548    | 0.199    | ppbv # | 1        |
| 34) 2-Butanone                | 4.780  | 43    | 66427    | 0.564    | ppbv   | 95       |
| 35) Carbon Tetrachloride      | 6.481  | 117   | 9021     | 0.054    | ppbv # | 68       |
| 36) Benzene                   | 6.356  | 78    | 715112   | 3.679    | ppbv   | 98       |
| 39) 1,2-Dichloropropane       | 6.639  | 63    | 597997   | 7.980    | ppbv # | 22       |
| 44) 2,2,4-Trimethylpentane    | 7.314  | 57    | 874986   | 2.754    | ppbv   | 96       |
| 51) 2-Hexanone                | 9.523  | 43    | 12865    | 0.117    | ppbv # | 55       |
| 52) Tetrachloroethene         | 10.597 | 164   | 2260     | 0.037    | ppbv   | 90       |
| 53) Toluene                   | 9.208  | 91    | 1395098  | 6.814    | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.073 | 91    | 400733   | 1.552    | ppbv   | 100      |
| 59) m/p-Xylene                | 12.330 | 91    | 1131135  | 4.766    | ppbv   | 95       |
| 60) o-Xylene                  | 13.044 | 91    | 407704   | 1.811    | ppbv   | 98       |
| 61) Styrene                   | 12.883 | 104   | 23709    | 0.245    | ppbv # | 58       |
| 62) Isopropylbenzene          | 14.015 | 105   | 25839    | 0.077    | ppbv # | 50       |
| 72) 4-Ethyltoluene            | 15.175 | 105   | 36851    | 0.145    | ppbv # | 49       |
| 73) 1,3,5-Trimethylbenzene    | 15.333 | 105   | 20067    | 0.090    | ppbv # | 64       |
| 74) 1,2,4-Trimethylbenzene    | 16.095 | 105   | 243543   | 0.924    | ppbv # | 71       |
| 76) 1,4-Dichlorobenzene       | 16.452 | 146   | 6471     | 0.045    | ppbv # | 1        |
| 79) Naphthalene               | 21.362 | 128   | 5220     | 0.034    | ppbv # | 81       |
| -----                         |        |       |          |          |        |          |

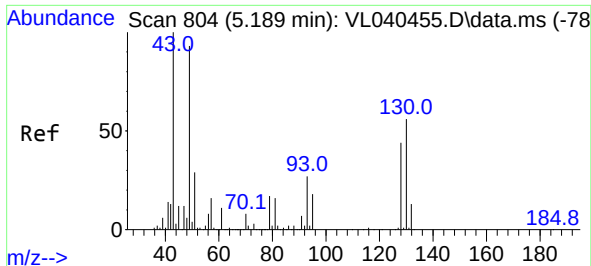
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
AI-1DUP

Quant Time: Jun 23 01:31:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060523AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Jun 06 06:22:12 2023  
Response via : Initial Calibration

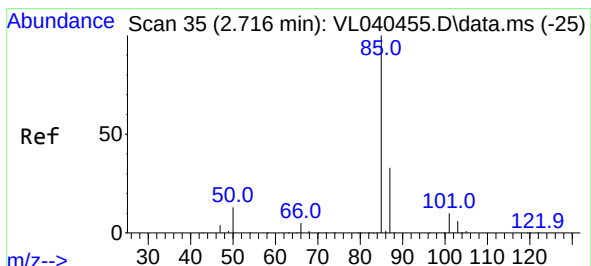
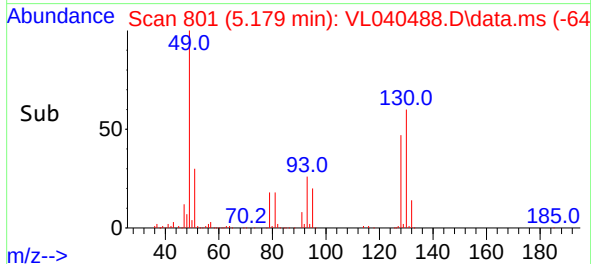
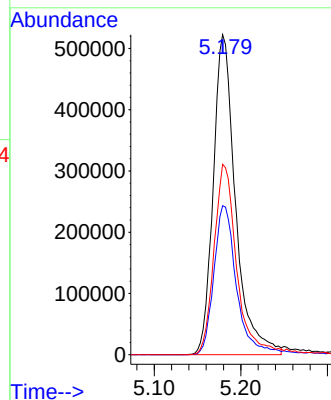
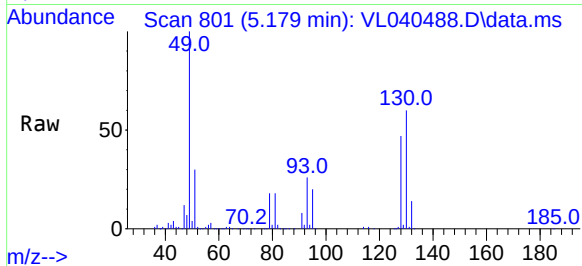




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.179 min Scan# 80  
Delta R.T. -0.010 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

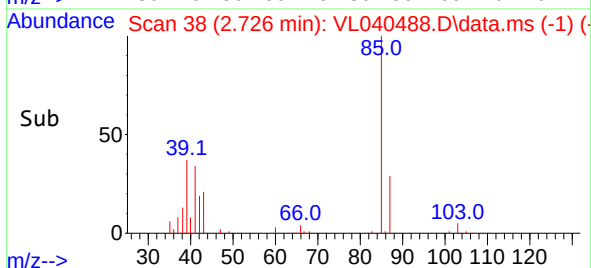
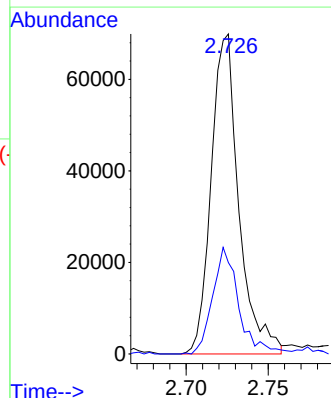
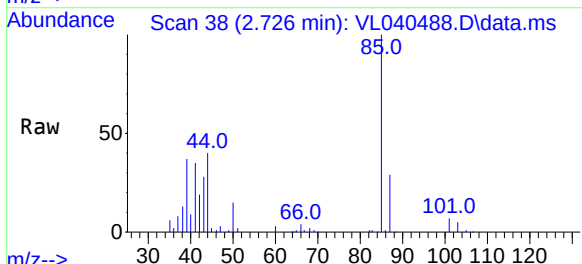
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

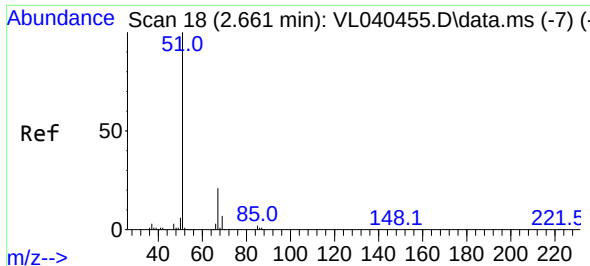
Tgt Ion: 49 Resp: 934945  
Ion Ratio Lower Upper  
49 100  
128 48.3 24.7 74.1  
130 62.1 31.4 94.2



#2  
Dichlorodifluoromethane  
Concen: 0.403 ppbv  
RT: 2.726 min Scan# 38  
Delta R.T. 0.010 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 85 Resp: 81973  
Ion Ratio Lower Upper  
85 100  
87 28.6 26.6 39.8

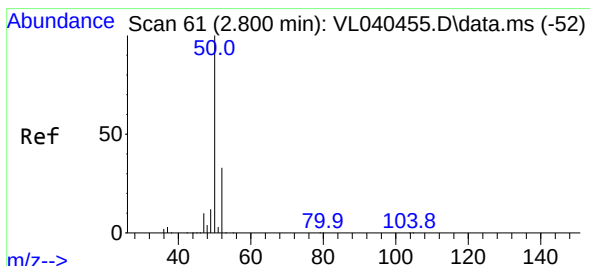
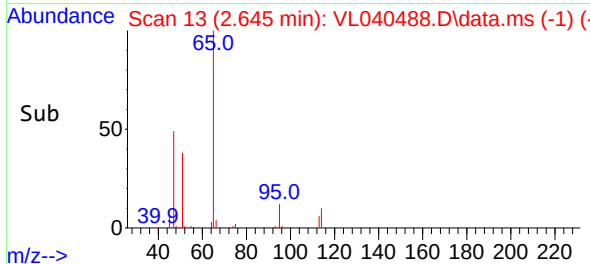
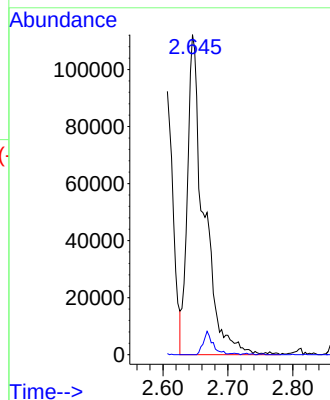
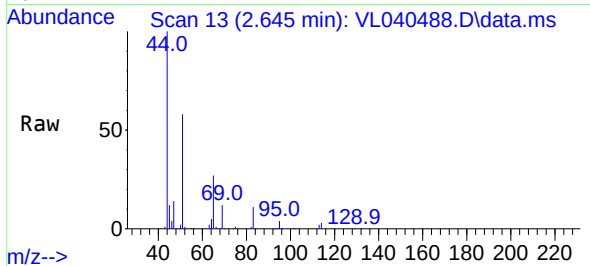




#3  
Chlorodifluoromethane  
Concen: 1.294 ppbv  
RT: 2.645 min Scan# 11  
Delta R.T. -0.016 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

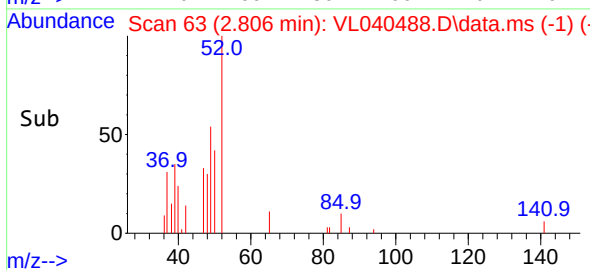
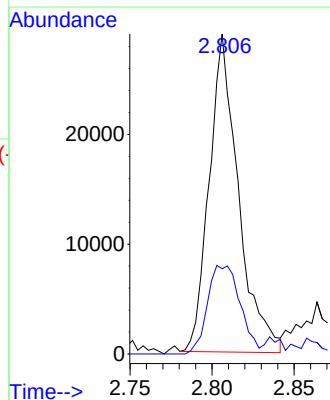
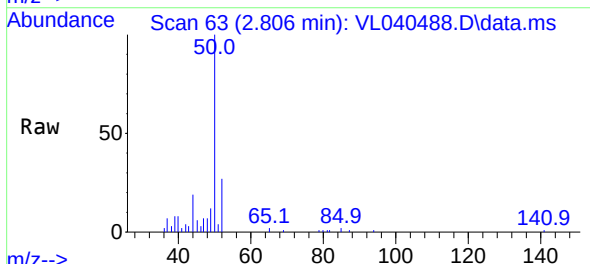
Instrument :  
MSVOA\_L  
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AI-1DUP

Tgt Ion: 51 Resp: 198145  
Ion Ratio Lower Upper  
51 100  
67 4.7 16.3 24.5#

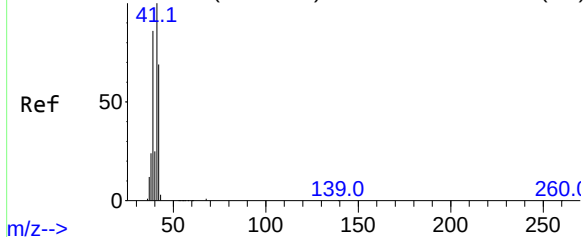


#4  
Chloromethane  
Concen: 0.604 ppbv  
RT: 2.806 min Scan# 63  
Delta R.T. 0.007 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 50 Resp: 35830  
Ion Ratio Lower Upper  
50 100  
52 26.9 26.3 39.5

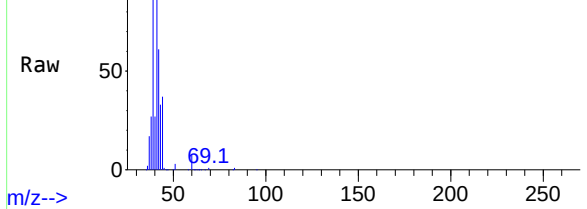


Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



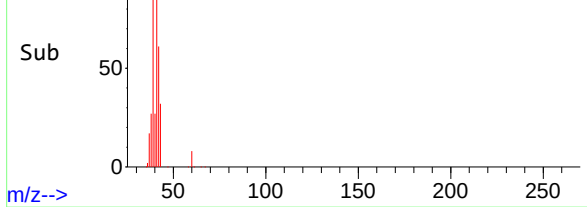
m/z-->

Abundance Scan 27 (2.690 min): VL040488.D\data.ms



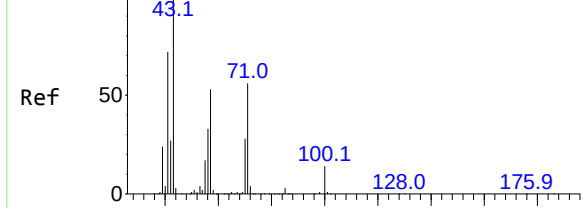
m/z-->

Abundance Scan 27 (2.690 min): VL040488.D\data.ms (-1)



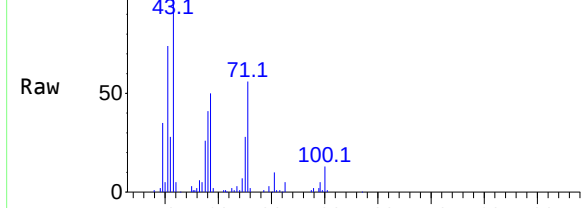
m/z-->

Abundance Scan 1549 (7.584 min): VL040455.D\data.ms (-1)



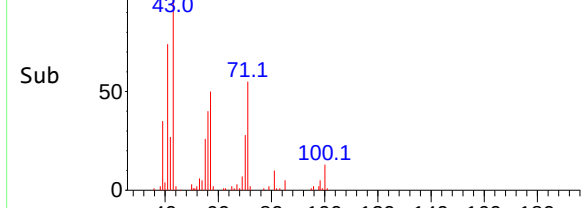
m/z-->

Abundance Scan 1543 (7.565 min): VL040488.D\data.ms



m/z-->

Abundance Scan 1543 (7.565 min): VL040488.D\data.ms (-1)



m/z-->

#9

Propene

Concen: 12.081 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040488.D

Acq: 22 Jun 2023 16:43

Instrument :

MSVOA\_L

ClientSampleId :

AI-1DUP

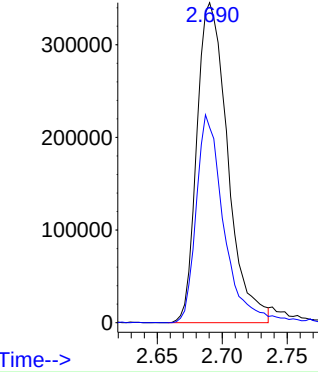
Tgt Ion: 41 Resp: 570462

Ion Ratio Lower Upper

41 100

42 59.1 56.2 84.2

Abundance



Time-->

#10

Heptane

Concen: 0.672 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. -0.019 min

Lab File: VL040488.D

Acq: 22 Jun 2023 16:43

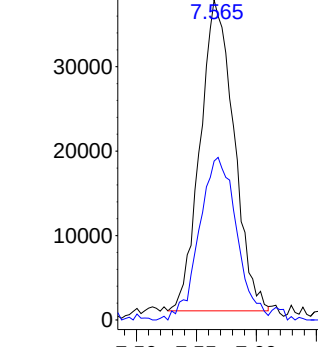
Tgt Ion: 43 Resp: 71840

Ion Ratio Lower Upper

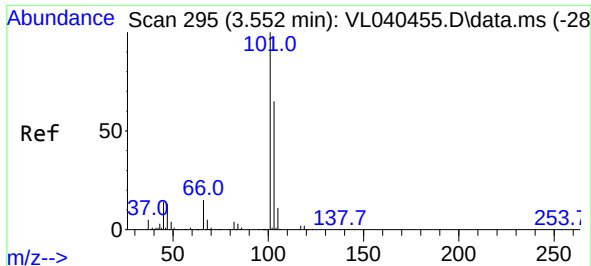
43 100

57 59.4 42.5 63.7

Abundance



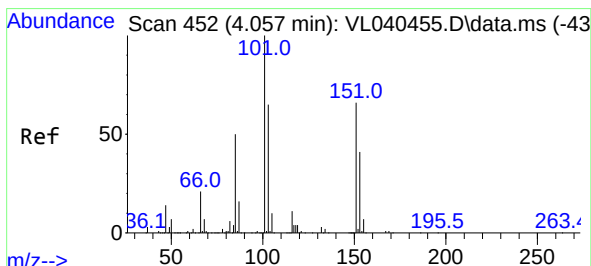
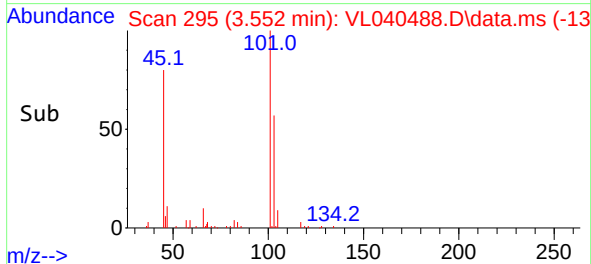
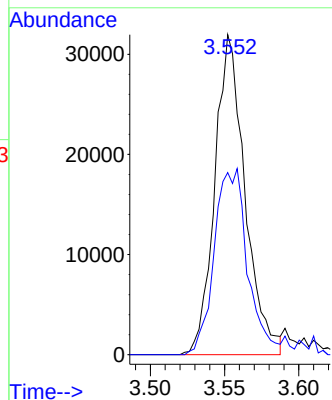
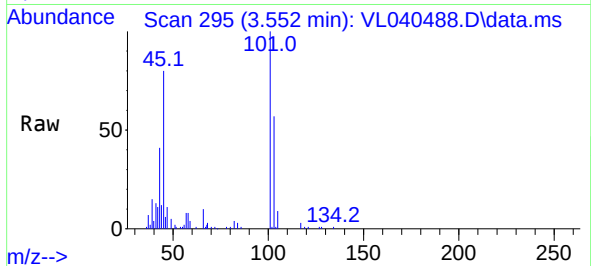
Time-->



#11  
 Trichlorofluoromethane  
 Concen: 0.273 ppbv  
 RT: 3.552 min Scan# 295  
 Delta R.T. 0.000 min  
 Lab File: VL040488.D  
 Acq: 22 Jun 2023 16:43

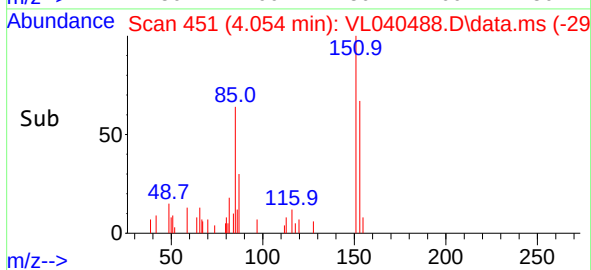
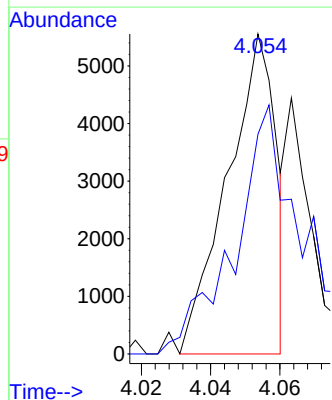
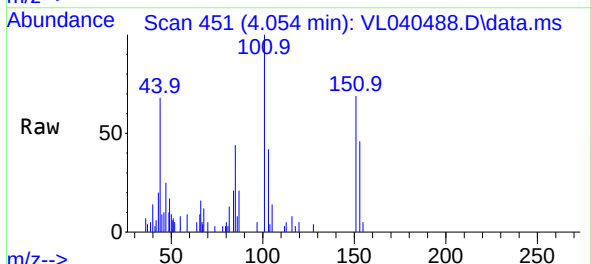
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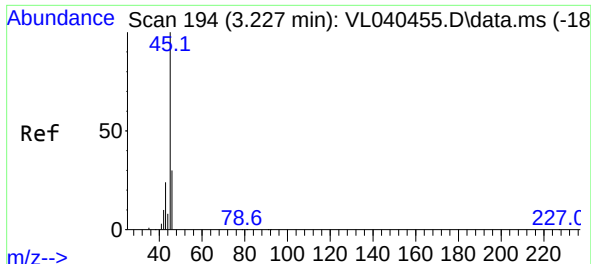
Tgt Ion:101 Resp: 45247  
 Ion Ratio Lower Upper  
 101 100  
 103 56.9 51.7 77.5



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.047 ppbv  
 RT: 4.054 min Scan# 451  
 Delta R.T. -0.003 min  
 Lab File: VL040488.D  
 Acq: 22 Jun 2023 16:43

Tgt Ion:101 Resp: 5450  
 Ion Ratio Lower Upper  
 101 100  
 151 110.1 54.3 81.5#

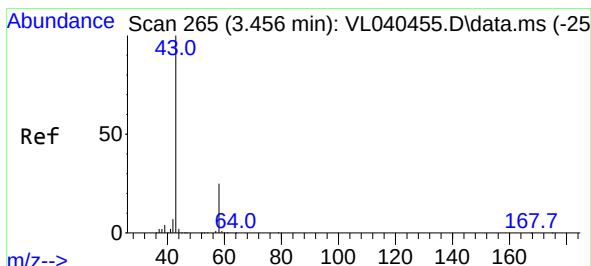
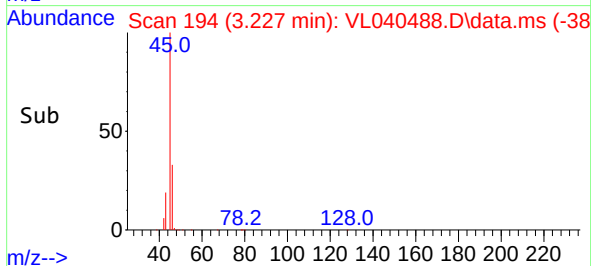
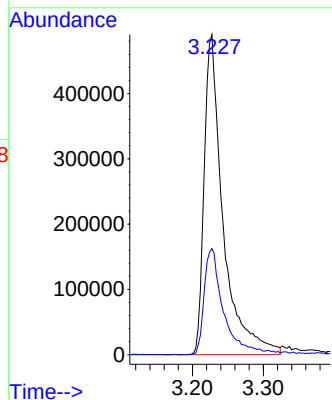
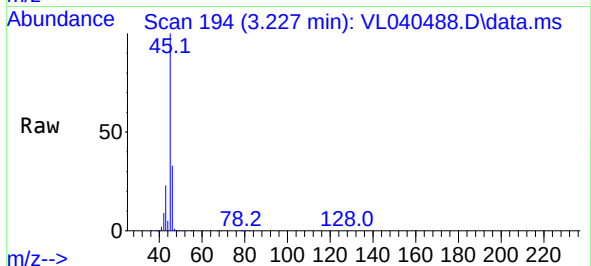




#13  
Ethanol  
Concen: 92.841 ppbv  
RT: 3.227 min Scan# 194  
Delta R.T. 0.000 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

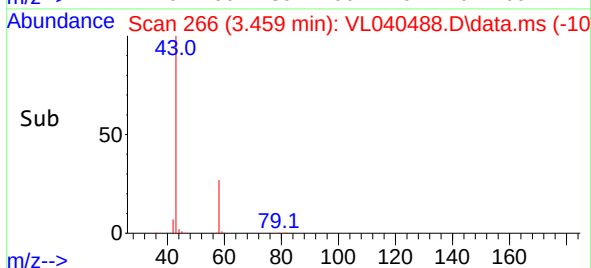
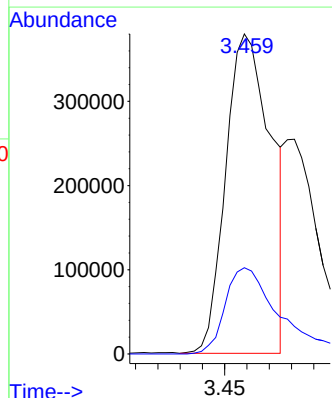
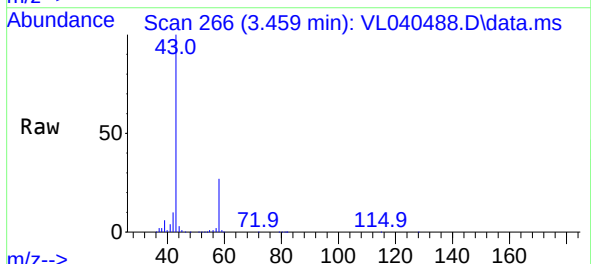
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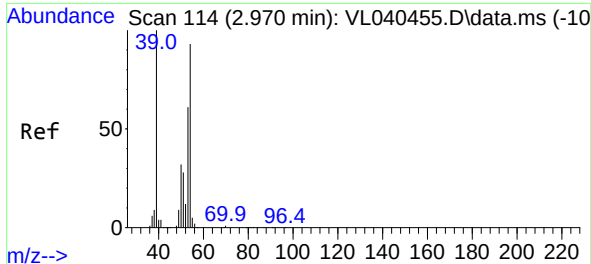
Tgt Ion: 45 Resp: 907860  
Ion Ratio Lower Upper  
45 100  
46 34.8 14.5 58.1



#15  
Acetone  
Concen: 4.756 ppbv  
RT: 3.459 min Scan# 266  
Delta R.T. 0.003 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 43 Resp: 536292  
Ion Ratio Lower Upper  
43 100  
58 34.1 21.6 32.4#

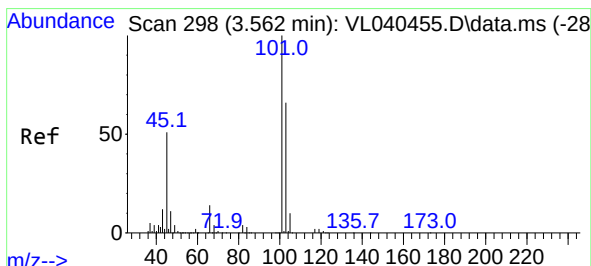
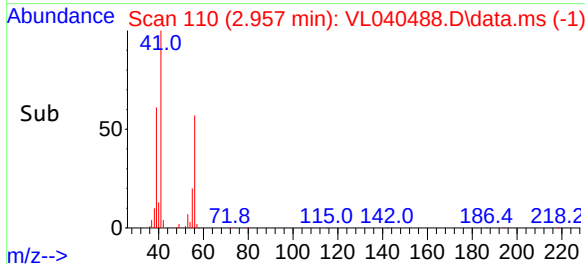
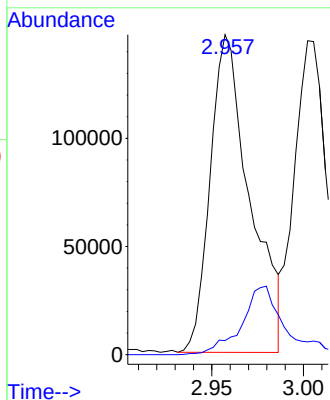
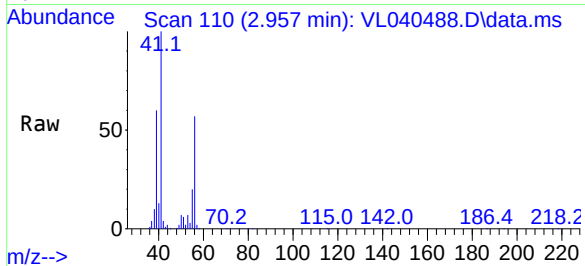




#16  
1,3-Butadiene  
Concen: 4.031 ppbv  
RT: 2.957 min Scan# 114  
Delta R.T. -0.013 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

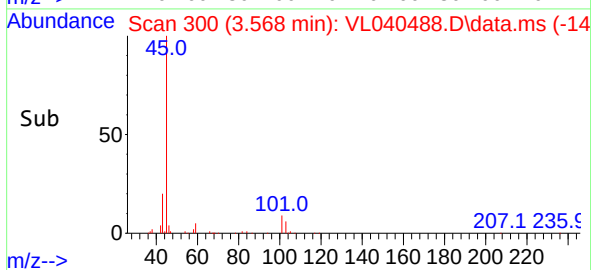
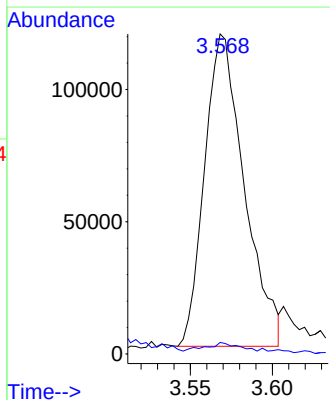
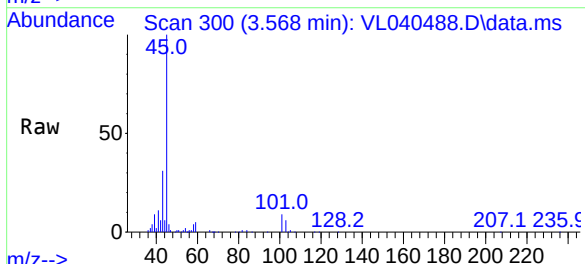
Instrument :  
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Tgt Ion: 39 Resp: 221231  
Ion Ratio Lower Upper  
39 100  
54 26.1 66.9 100.3#

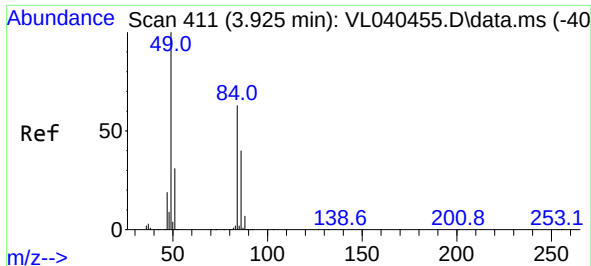


#19  
Isopropyl Alcohol  
Concen: 3.657 ppbv  
RT: 3.568 min Scan# 300  
Delta R.T. 0.006 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 45 Resp: 198765  
Ion Ratio Lower Upper  
45 100  
58 4.3 2.6 4.0#



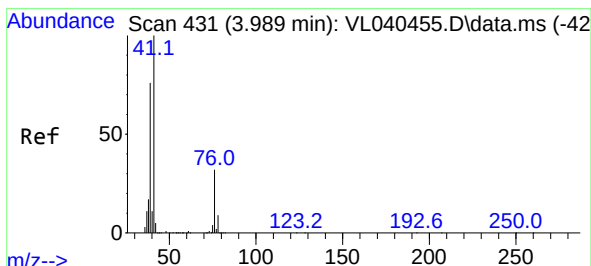
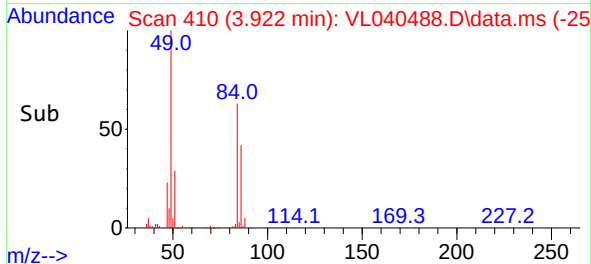
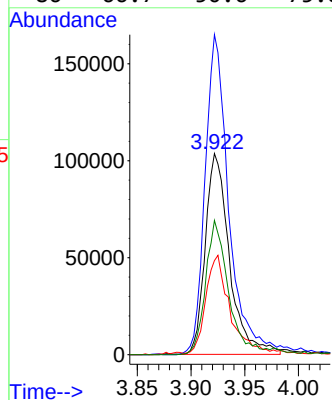
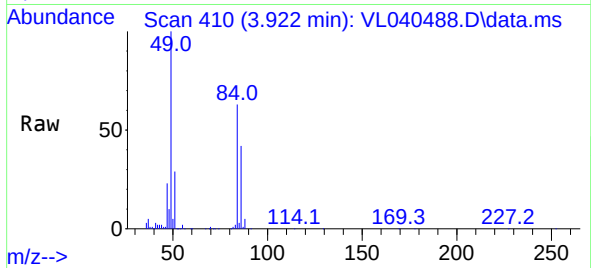




#20  
Methylene Chloride  
Concen: 3.377 ppbv  
RT: 3.922 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

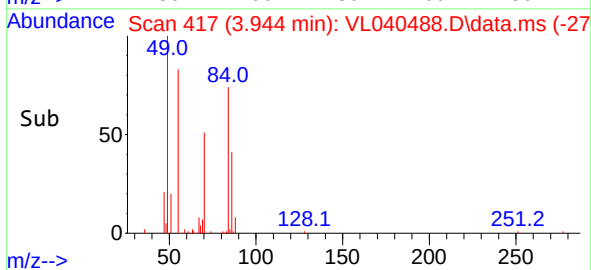
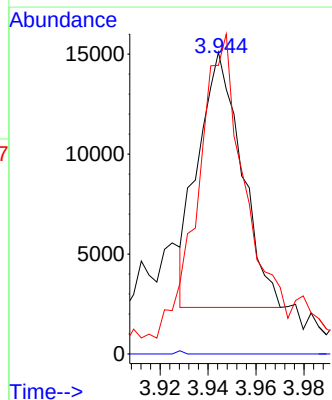
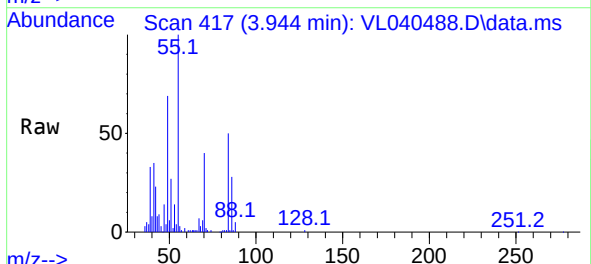
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

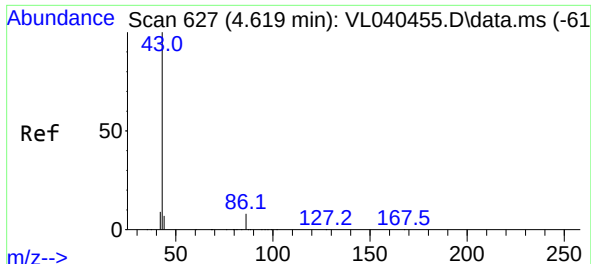
Tgt Ion: 84 Resp: 162537  
Ion Ratio Lower Upper  
84 100  
49 158.9 126.2 189.2  
51 45.8 38.7 58.1  
86 66.7 50.6 75.8



#21  
Allyl Chloride  
Concen: 0.253 ppbv  
RT: 3.944 min Scan# 417  
Delta R.T. -0.045 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 41 Resp: 16120  
Ion Ratio Lower Upper  
41 100  
76 0.0 26.1 39.1#  
39 178.4 63.9 95.9#



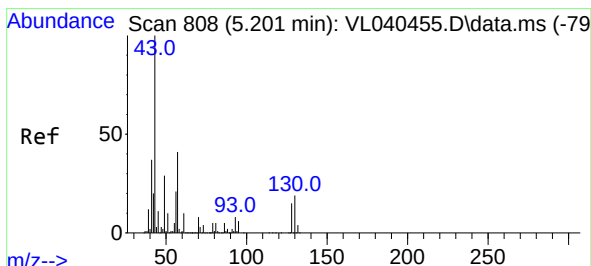
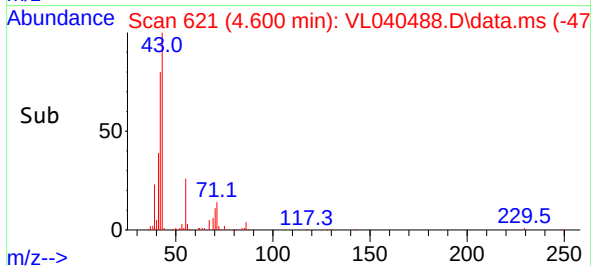
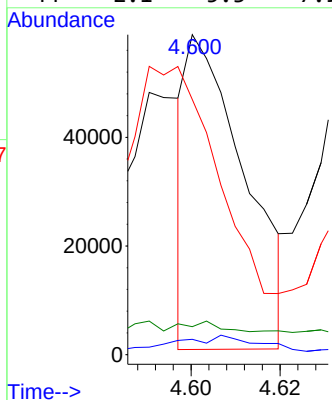
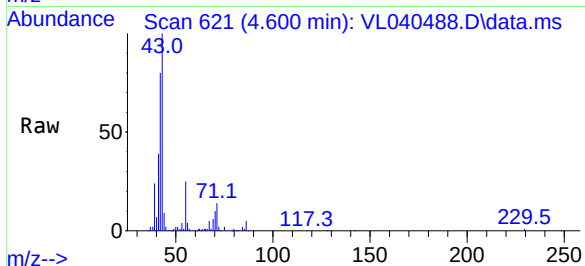


#23  
 Vinyl Acetate  
 Concen: 0.476 ppbv  
 RT: 4.600 min Scan# 61  
 Delta R.T. -0.019 min  
 Lab File: VL040488.D  
 Acq: 22 Jun 2023 16:43

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AI-1DUP

Tgt Ion: 43 Resp: 52429

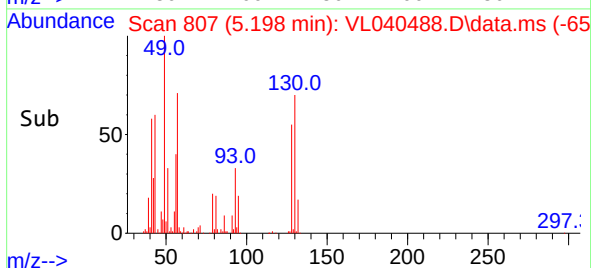
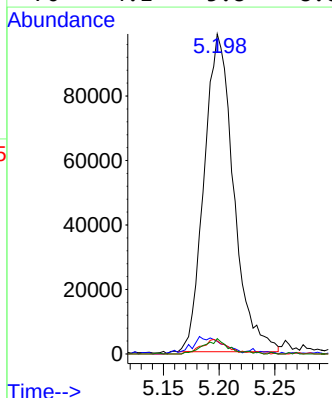
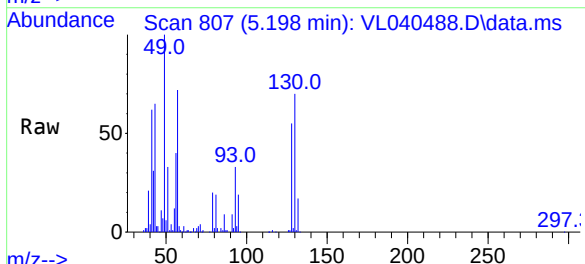
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 2.1   | 5.8   | 8.6#  |
| 42  | 97.5  | 7.4   | 11.2# |
| 44  | 2.1   | 5.3   | 7.9#  |

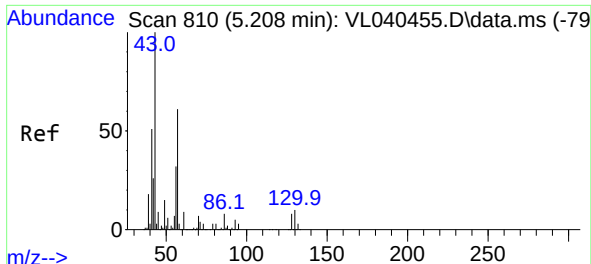


#25  
 Ethyl Acetate  
 Concen: 0.887 ppbv  
 RT: 5.198 min Scan# 807  
 Delta R.T. -0.003 min  
 Lab File: VL040488.D  
 Acq: 22 Jun 2023 16:43

Tgt Ion: 43 Resp: 181200

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 6.8   | 8.0   | 12.0# |
| 61  | 4.3   | 8.1   | 12.1# |
| 70  | 4.1   | 5.8   | 8.6#  |

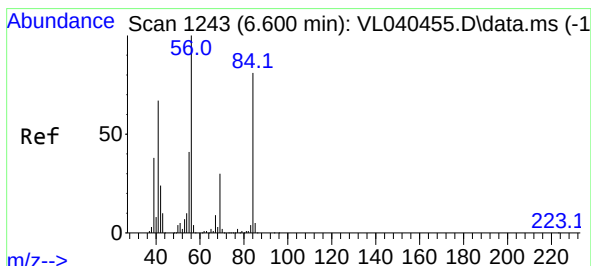
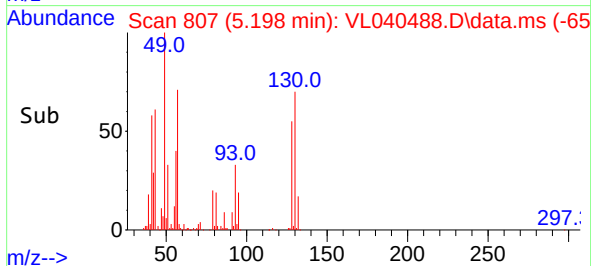
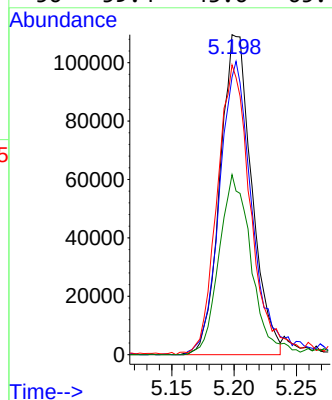
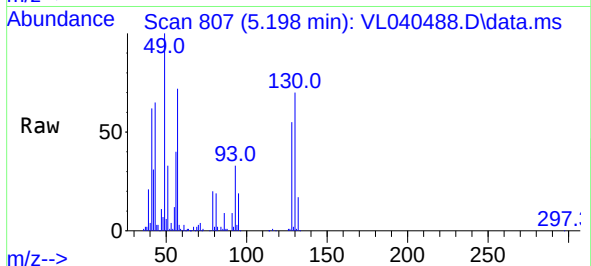




#26  
Hexane  
Concen: 2.006 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.010 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

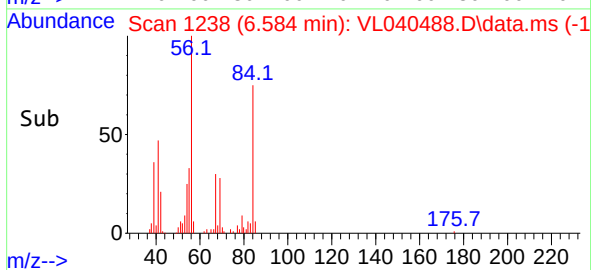
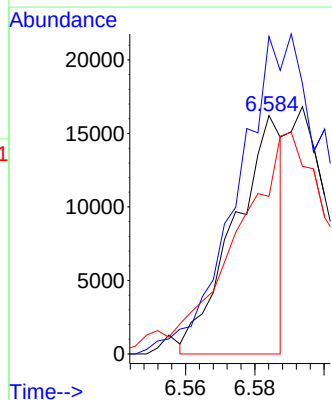
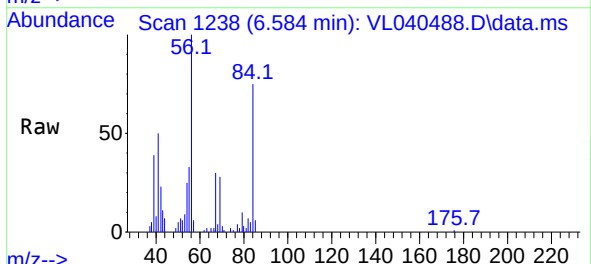
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

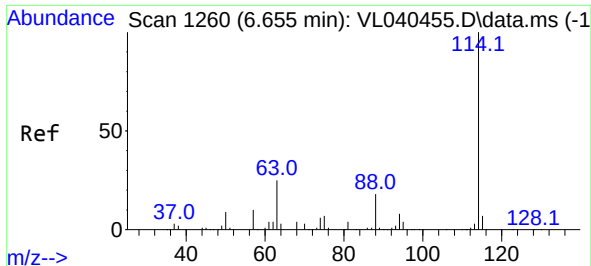
Tgt Ion: 57 Resp: 194079  
Ion Ratio Lower Upper  
57 100  
41 97.7 73.0 109.6  
43 100.1 177.5 266.3#  
56 59.4 43.6 65.4



#30  
Cyclohexane  
Concen: 0.199 ppbv  
RT: 6.584 min Scan# 1238  
Delta R.T. -0.016 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 84 Resp: 15548  
Ion Ratio Lower Upper  
84 100  
56 0.0 106.0 159.0#  
41 0.0 66.8 100.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040488.D

Acq: 22 Jun 2023 16:43

Instrument :

MSVOA\_L

ClientSampleId :

AI-1DUP

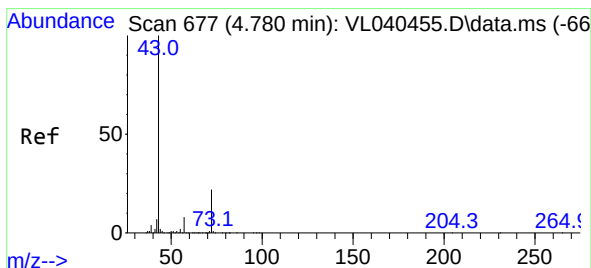
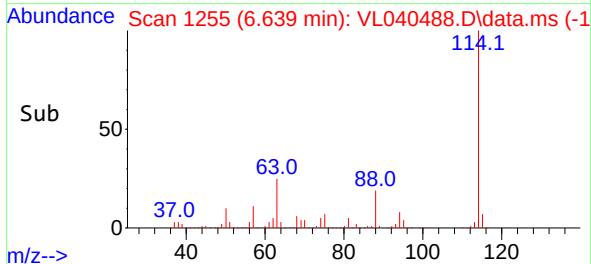
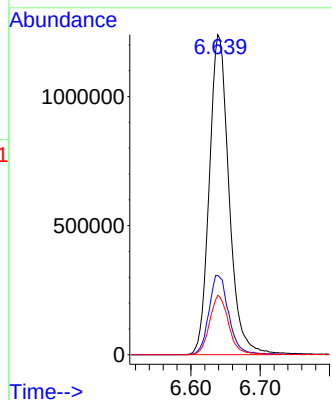
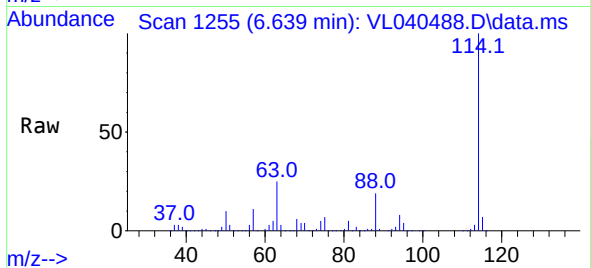
Tgt Ion:114 Resp: 2443904

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 0.564 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL040488.D

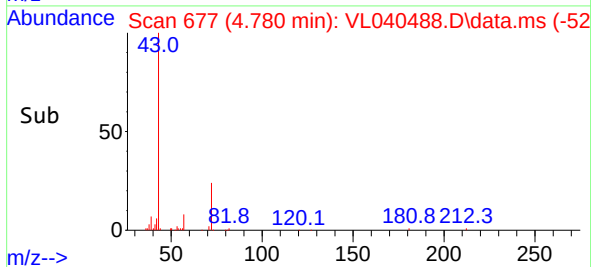
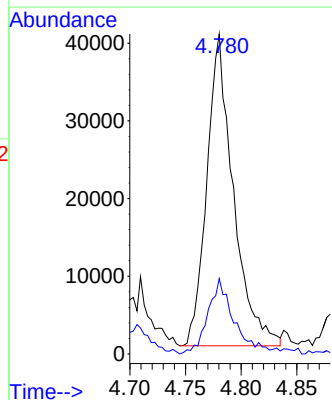
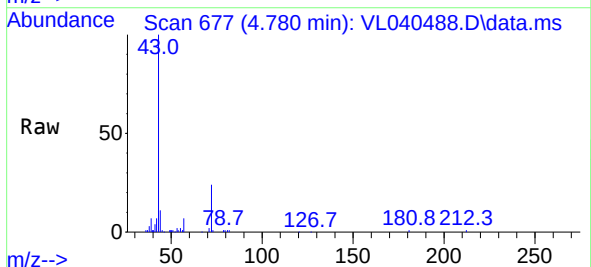
Acq: 22 Jun 2023 16:43

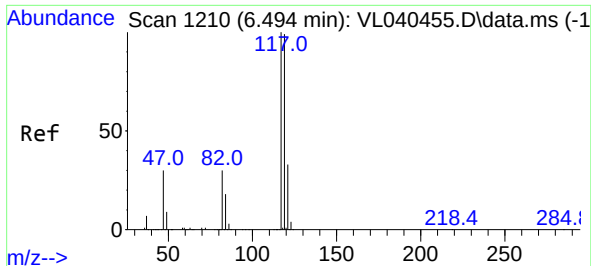
Tgt Ion: 43 Resp: 66427

Ion Ratio Lower Upper

43 100

72 24.9 18.1 27.1

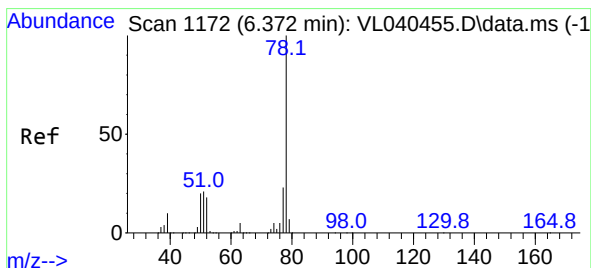
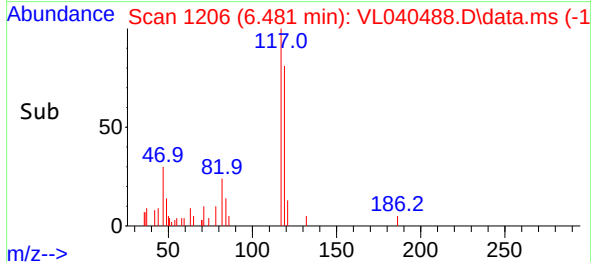
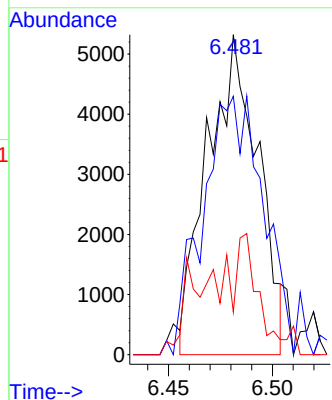
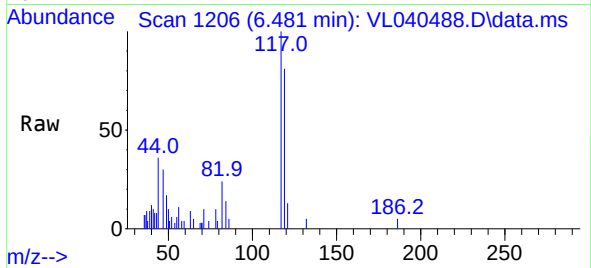




#35  
Carbon Tetrachloride  
Concen: 0.054 ppbv  
RT: 6.481 min Scan# 1167  
Delta R.T. -0.013 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

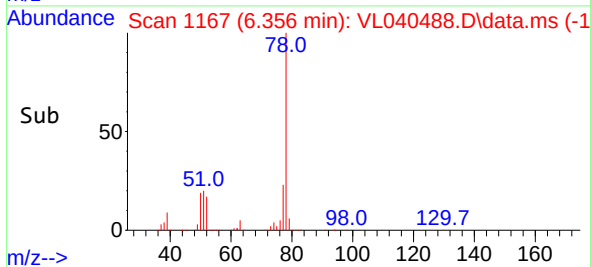
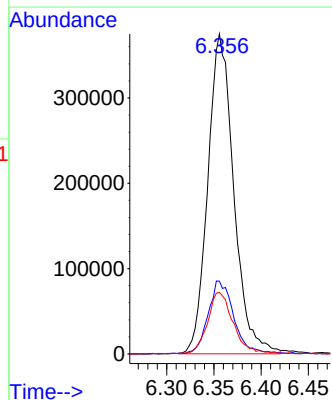
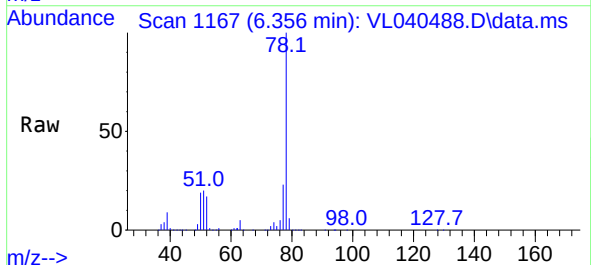
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

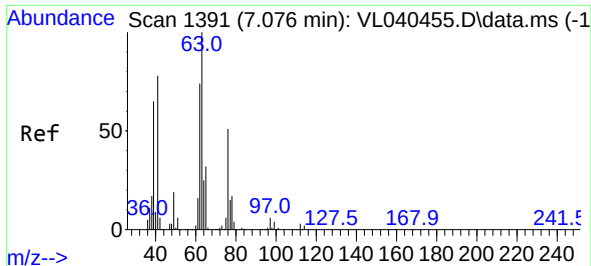
Tgt Ion:117 Resp: 9021  
Ion Ratio Lower Upper  
117 100  
119 70.2 79.1 118.7#  
121 9.3 26.0 39.0#



#36  
Benzene  
Concen: 3.679 ppbv  
RT: 6.356 min Scan# 1167  
Delta R.T. -0.016 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 78 Resp: 715112  
Ion Ratio Lower Upper  
78 100  
77 22.4 18.5 27.7  
50 19.1 16.1 24.1





#39

1,2-Dichloropropane

Concen: 7.980 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.437 min

Lab File: VL040488.D

Acq: 22 Jun 2023 16:43

Instrument :

MSVOA\_L

ClientSampleId :

AI-1DUP

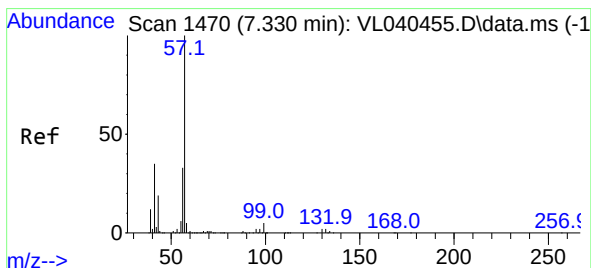
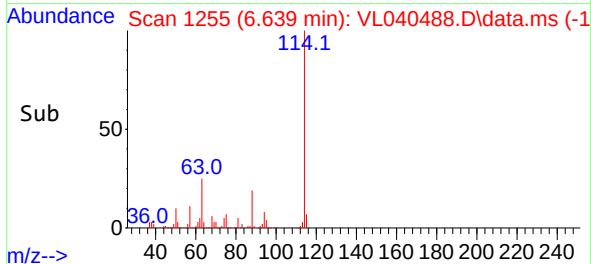
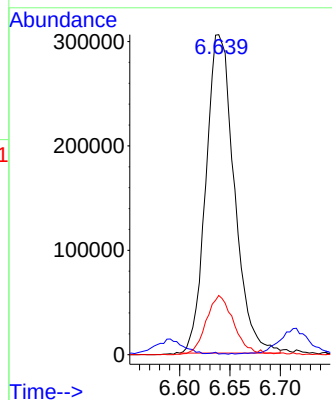
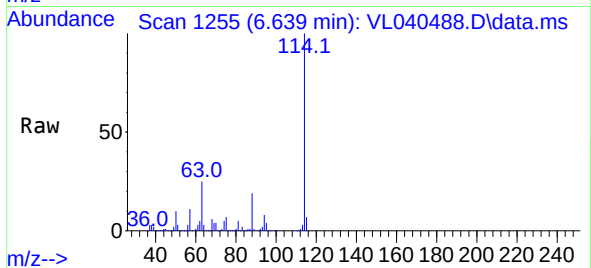
Tgt Ion: 63 Resp: 597997

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 18.6 59.0 88.4#



#44

2,2,4-Trimethylpentane

Concen: 2.754 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. -0.016 min

Lab File: VL040488.D

Acq: 22 Jun 2023 16:43

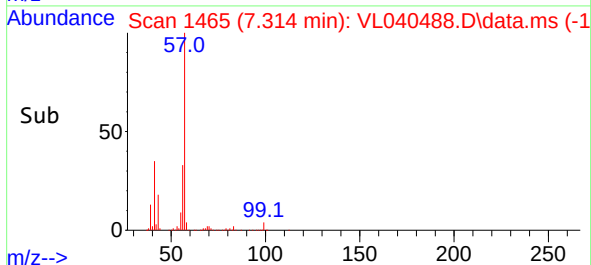
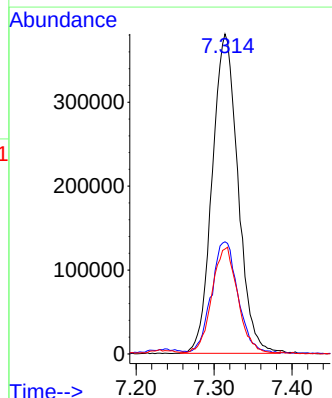
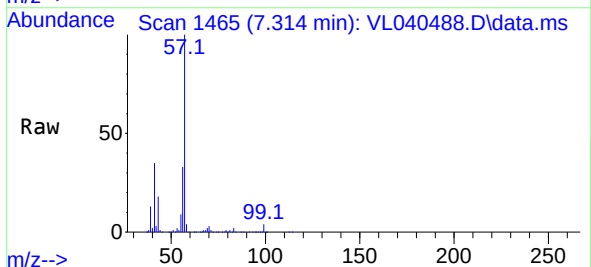
Tgt Ion: 57 Resp: 874986

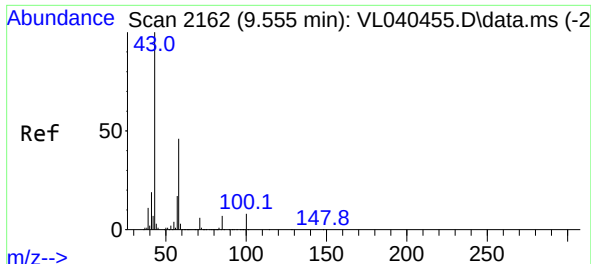
Ion Ratio Lower Upper

57 100

41 36.6 27.8 41.8

56 34.4 25.3 37.9

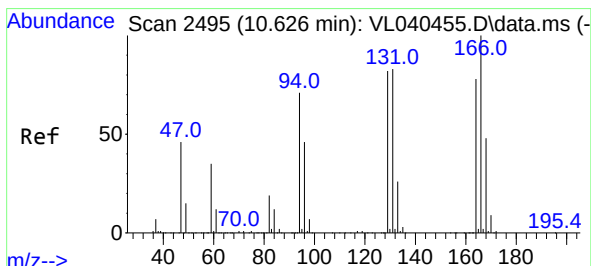
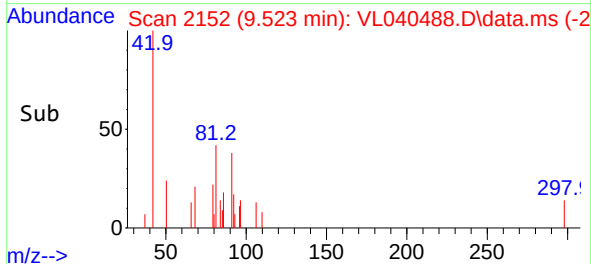
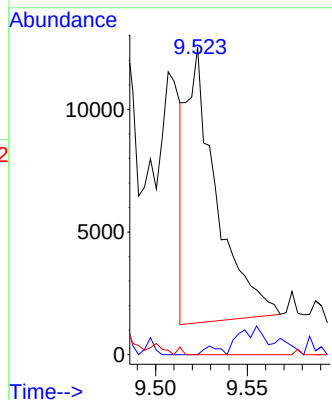
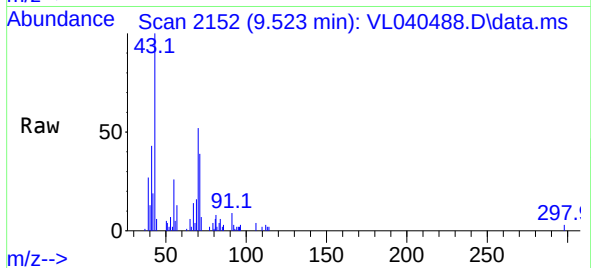




#51  
2-Hexanone  
Concen: 0.117 ppbv  
RT: 9.523 min Scan# 2162  
Delta R.T. -0.032 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

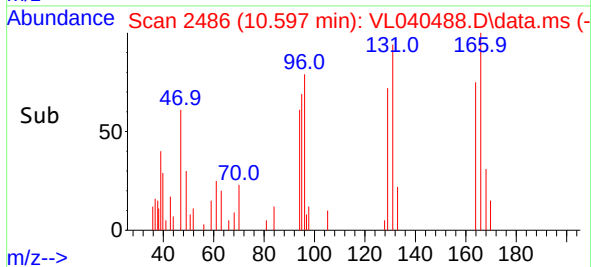
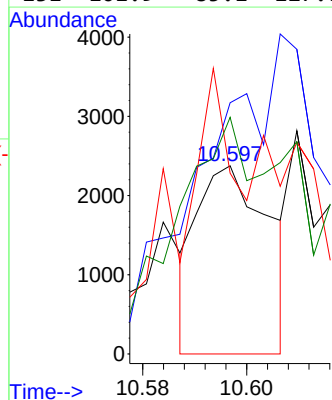
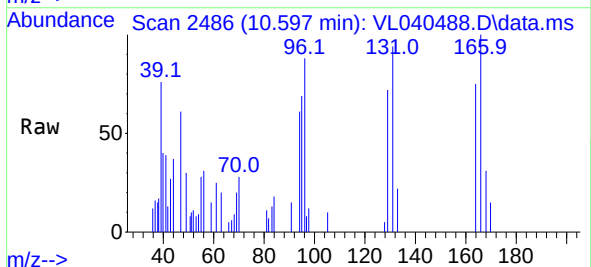
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

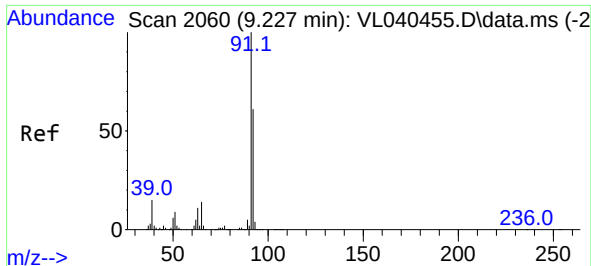
Tgt Ion: 43 Resp: 12865  
Ion Ratio Lower Upper  
43 100  
58 15.9 37.1 55.7#  
98 0.0 0.5 0.7#



#52  
Tetrachloroethene  
Concen: 0.037 ppbv  
RT: 10.597 min Scan# 2486  
Delta R.T. -0.029 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 164 Resp: 2260  
Ion Ratio Lower Upper  
164 100  
166 150.9 102.7 154.1  
129 102.6 84.6 126.8  
131 101.9 85.1 127.7

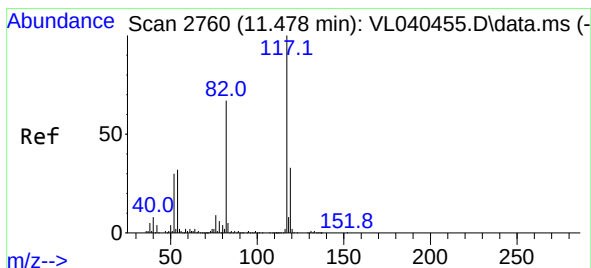
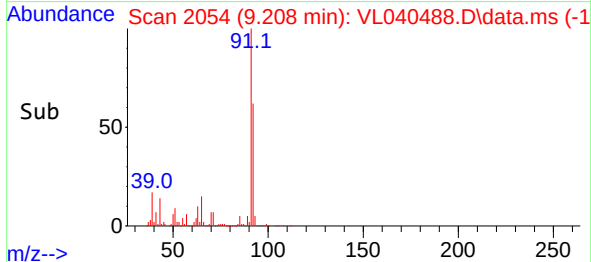
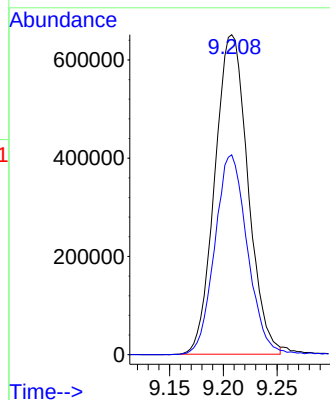
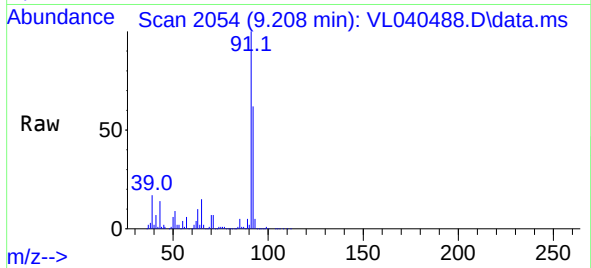




#53  
Toluene  
Concen: 6.814 ppbv  
RT: 9.208 min Scan# 2060  
Delta R.T. -0.019 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

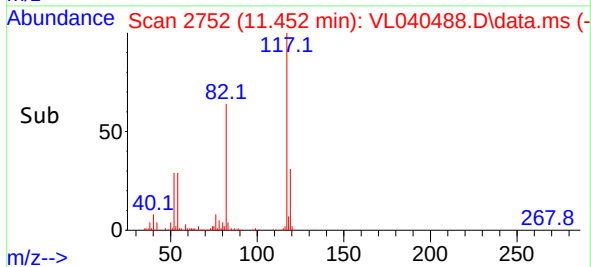
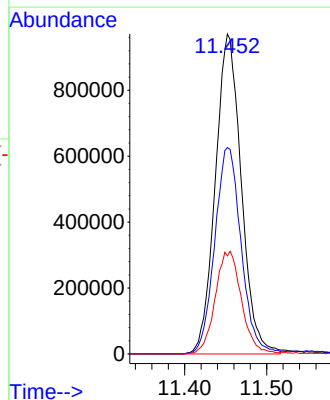
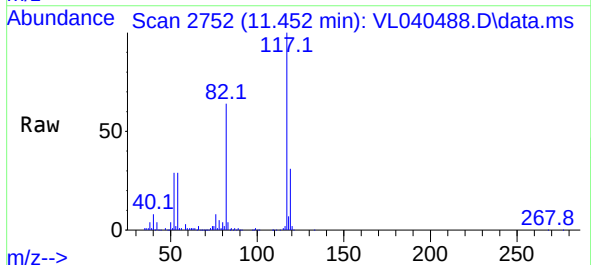
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

Tgt Ion: 91 Resp: 1395098  
Ion Ratio Lower Upper  
91 100  
92 62.0 49.1 73.7

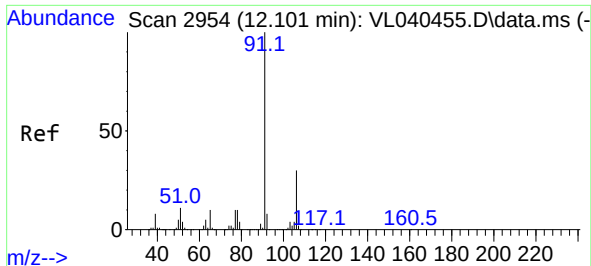


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.452 min Scan# 2752  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 117 Resp: 2131515  
Ion Ratio Lower Upper  
117 100  
82 65.8 53.0 79.4  
119 32.8 24.4 36.6



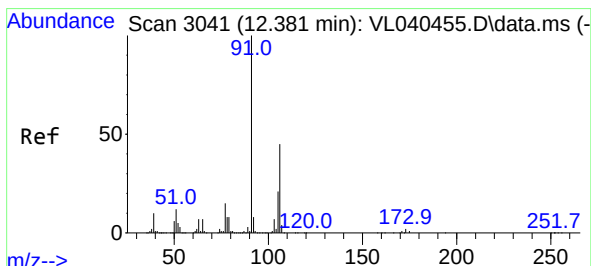
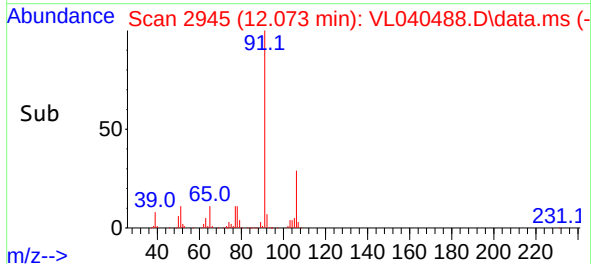
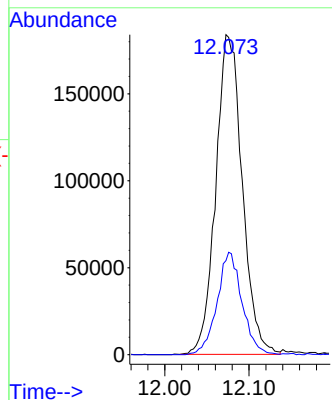
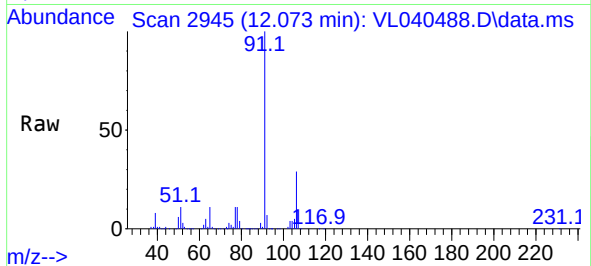




#58  
Ethyl Benzene  
Concen: 1.552 ppbv  
RT: 12.073 min Scan# 2954  
Delta R.T. -0.029 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

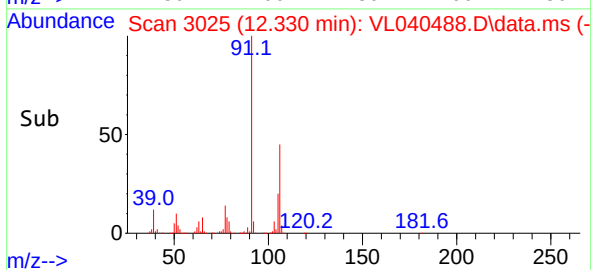
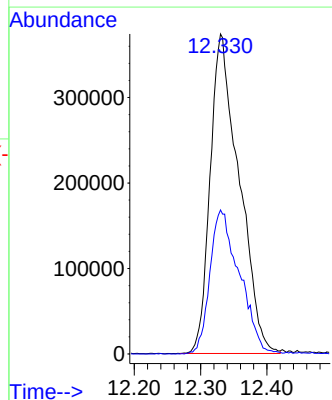
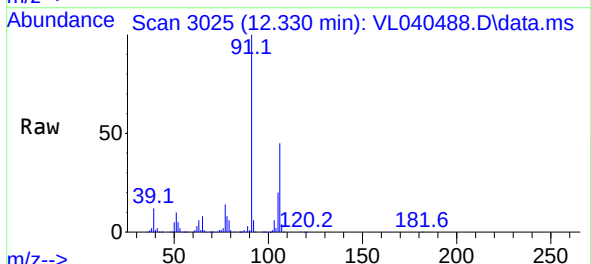
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

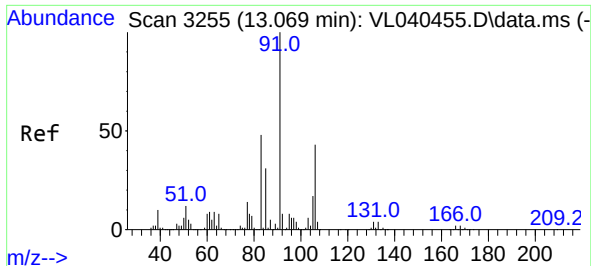
Tgt Ion: 91 Resp: 400733  
Ion Ratio Lower Upper  
91 100  
106 29.4 23.7 35.5



#59  
m/p-Xylene  
Concen: 4.766 ppbv  
RT: 12.330 min Scan# 3025  
Delta R.T. -0.051 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 91 Resp: 1131135  
Ion Ratio Lower Upper  
91 100  
106 46.5 34.6 52.0

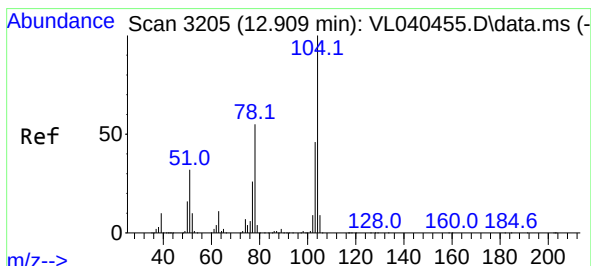
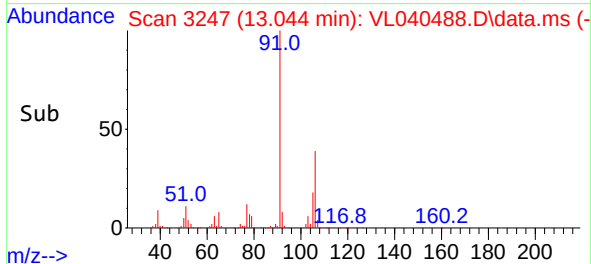
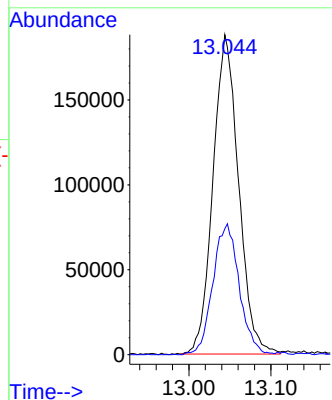
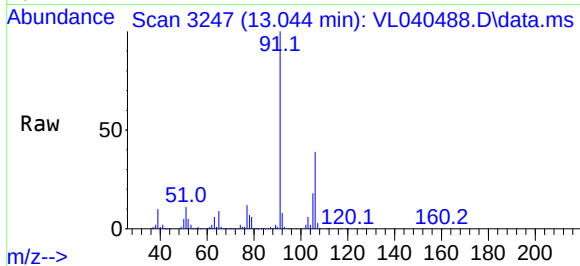




#60  
o-Xylene  
Concen: 1.811 ppbv  
RT: 13.044 min Scan# 3197  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

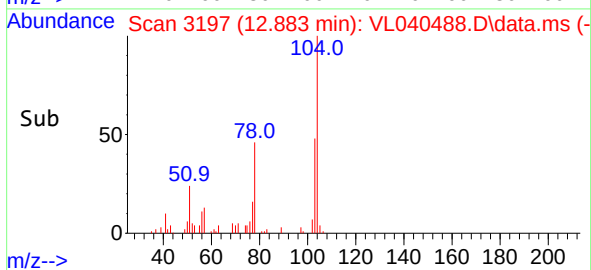
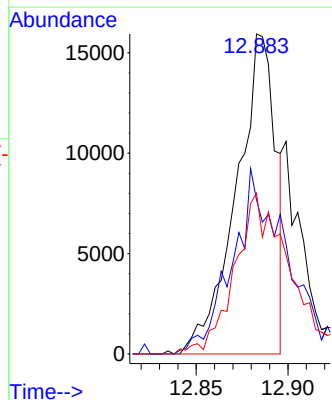
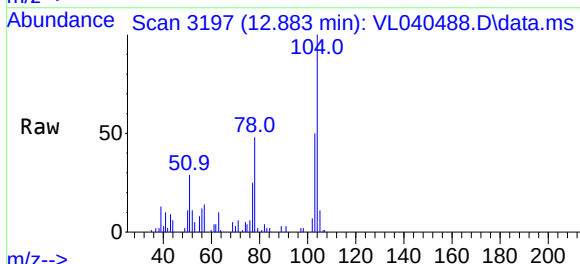
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

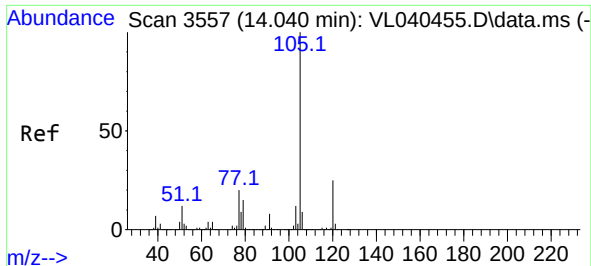
Tgt Ion: 91 Resp: 407704  
Ion Ratio Lower Upper  
91 100  
106 42.7 22.1 66.1



#61  
Styrene  
Concen: 0.245 ppbv  
RT: 12.883 min Scan# 3197  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 104 Resp: 23709  
Ion Ratio Lower Upper  
104 100  
78 85.2 43.1 64.7#  
103 72.6 37.1 55.7#

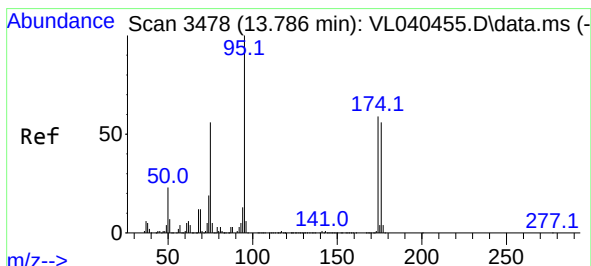
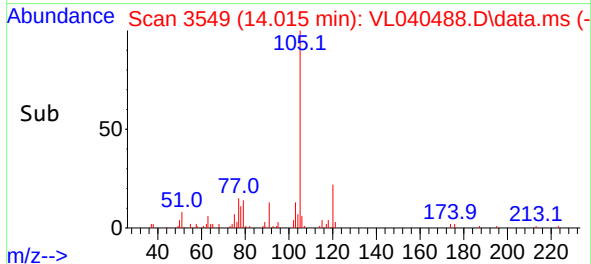
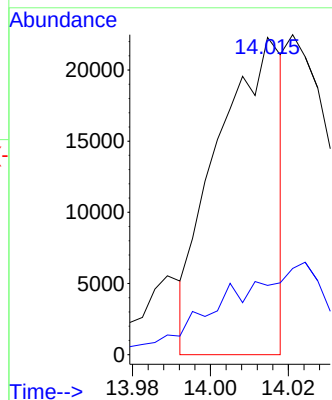
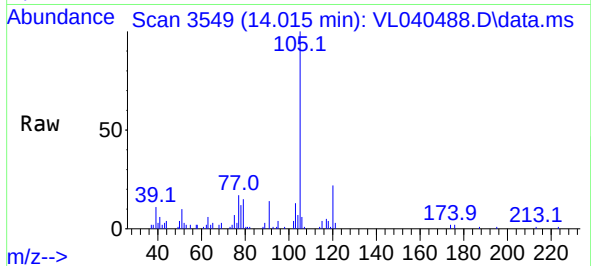




#62  
Isopropylbenzene  
Concen: 0.077 ppbv  
RT: 14.015 min Scan# 3549  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

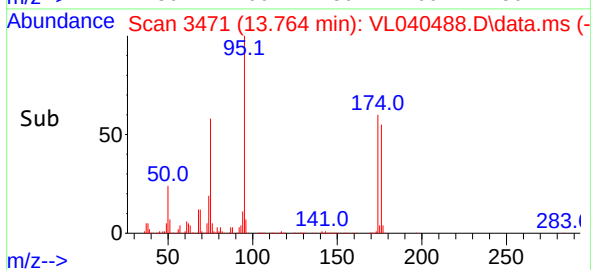
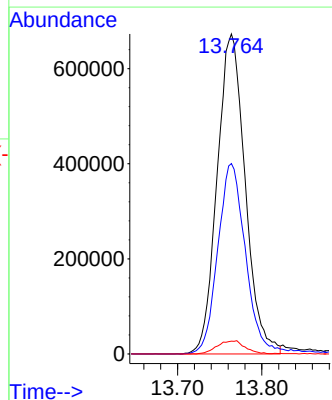
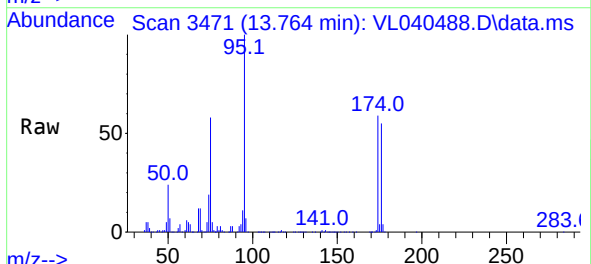
Instrument :  
MSVOA\_1  
ClientSampleId :  
AI-1DUP

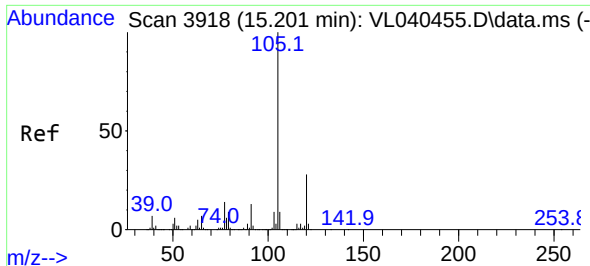
Tgt Ion:105 Resp: 25839  
Ion Ratio Lower Upper  
105 100  
120 0.0 20.2 30.4#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 8.840 ppbv  
RT: 13.764 min Scan# 3471  
Delta R.T. -0.022 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion: 95 Resp: 1555121  
Ion Ratio Lower Upper  
95 100  
174 60.3 47.7 71.5  
175 4.3 3.5 5.3



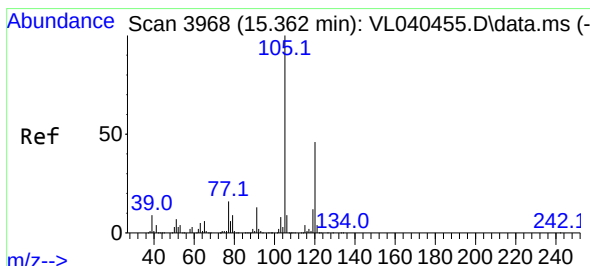
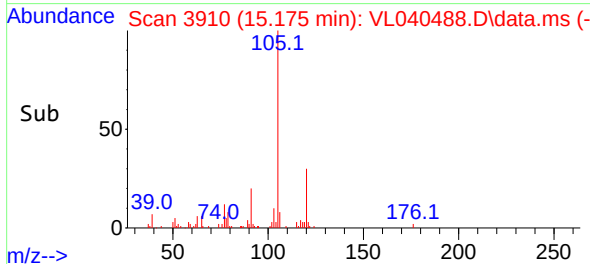
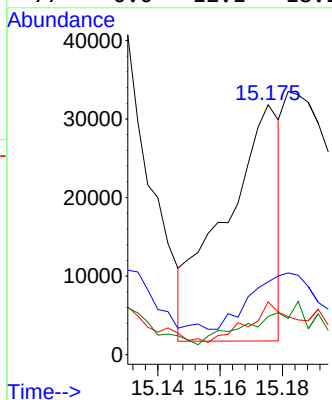
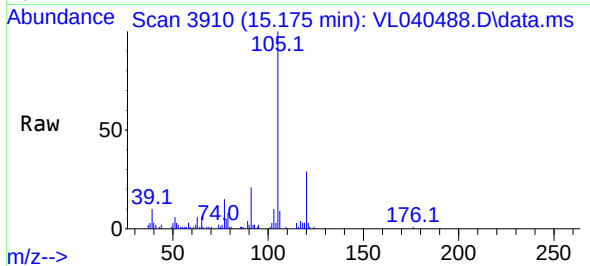


#72  
4-Ethyltoluene  
Concen: 0.145 ppbv  
RT: 15.175 min Scan# 3918  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Instrument :  
MSVOA\_1  
ClientSampleId :  
AI-1DUP

Tgt Ion:105 Resp: 36851

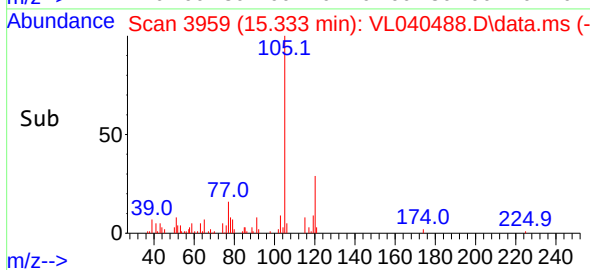
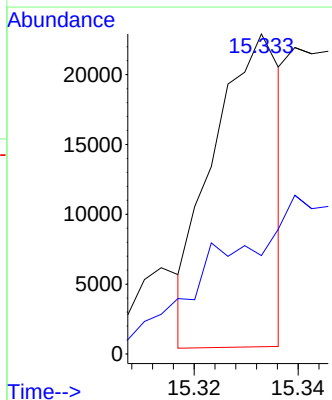
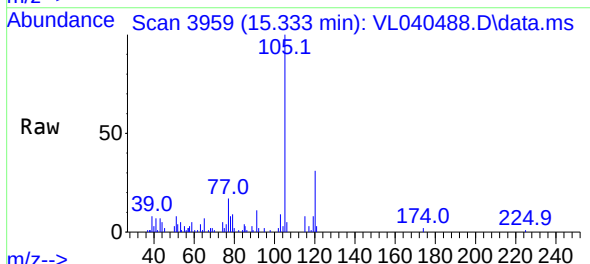
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 0.0   | 23.4  | 35.0# |
| 91  | 38.1  | 11.1  | 16.7# |
| 77  | 0.0   | 12.1  | 18.1# |

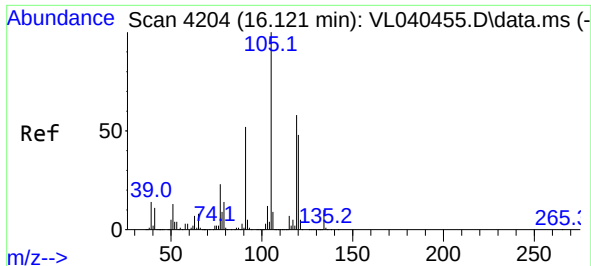


#73  
1,3,5-Trimethylbenzene  
Concen: 0.090 ppbv  
RT: 15.333 min Scan# 3959  
Delta R.T. -0.029 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

Tgt Ion:105 Resp: 20067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 22.0  | 36.4  | 54.6# |

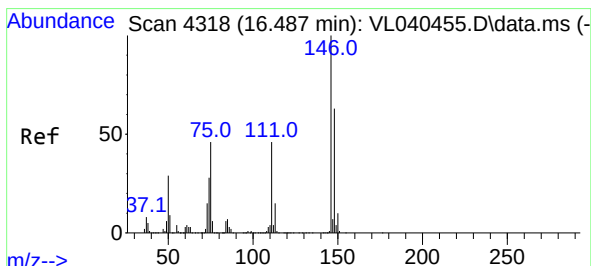
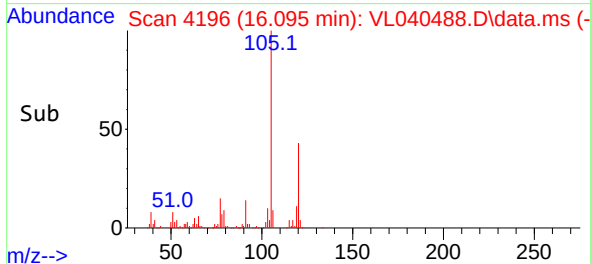
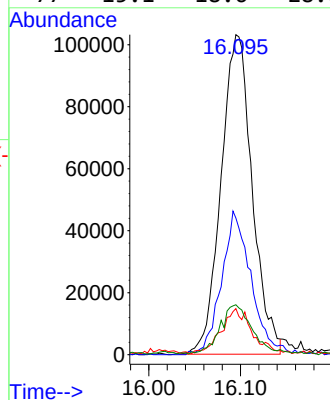
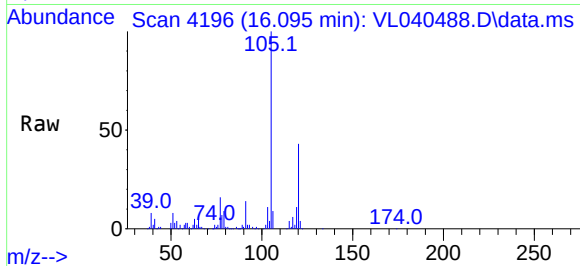




#74  
1,2,4-Trimethylbenzene  
Concen: 0.924 ppbv  
RT: 16.095 min Scan# 4196  
Delta R.T. -0.026 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

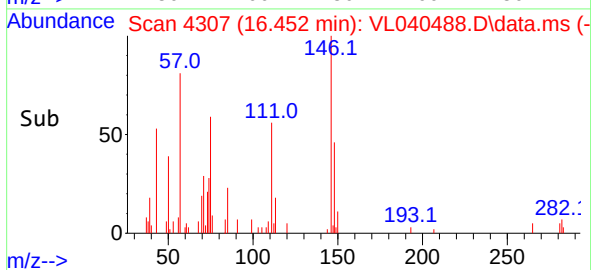
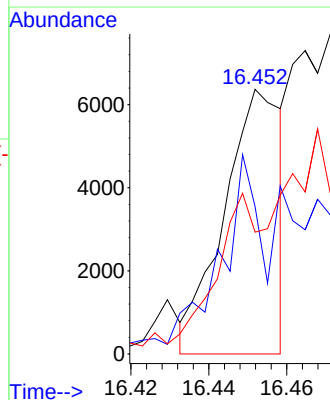
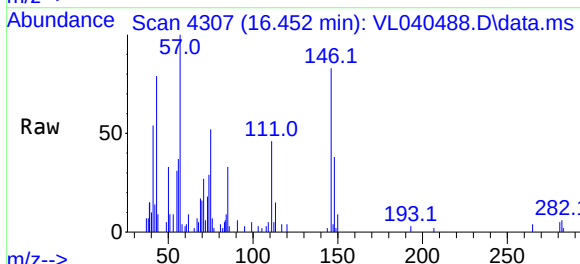
Instrument :  
MSVOA\_L  
ClientSampleId :  
AI-1DUP

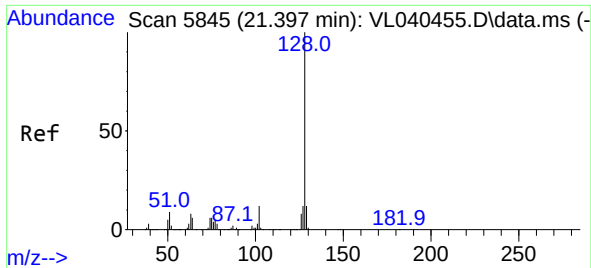
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 243543 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 42.8  | 38.4  | 57.6   |
| 91       | 13.9  | 41.3  | 61.9#  |
| 77       | 15.1  | 18.6  | 28.0#  |



#76  
1,4-Dichlorobenzene  
Concen: 0.045 ppbv  
RT: 16.452 min Scan# 4307  
Delta R.T. -0.035 min  
Lab File: VL040488.D  
Acq: 22 Jun 2023 16:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 6471  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 157.1 | 23.8  | 71.5# |
| 148      | 0.0   | 32.9  | 98.6# |





#79

Naphthalene

Concen: 0.034 ppbv

RT: 21.362 min Scan# 5834

Delta R.T. -0.035 min

Lab File: VL040488.D

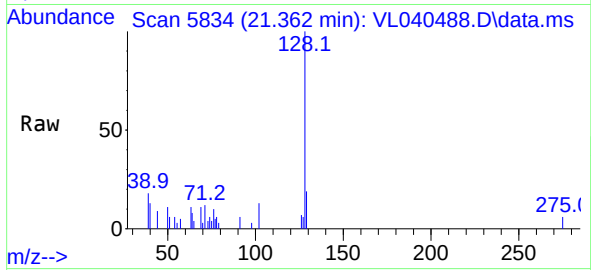
Acq: 22 Jun 2023 16:43

Instrument :

MSVOA\_L

ClientSampleId :

AI-1DUP



Tgt Ion:128 Resp: 5220

Ion Ratio Lower Upper

128 100

127 6.7 9.9 14.9#

129 20.5 9.2 13.8#

