

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040925\  
 Data File : VL042293.D  
 Acq On : 09 Apr 2025 15:15  
 Operator : SY/MD  
 Sample : Q1665-06  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-B9-1-3242025

Quant Time: Apr 10 01:45:06 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

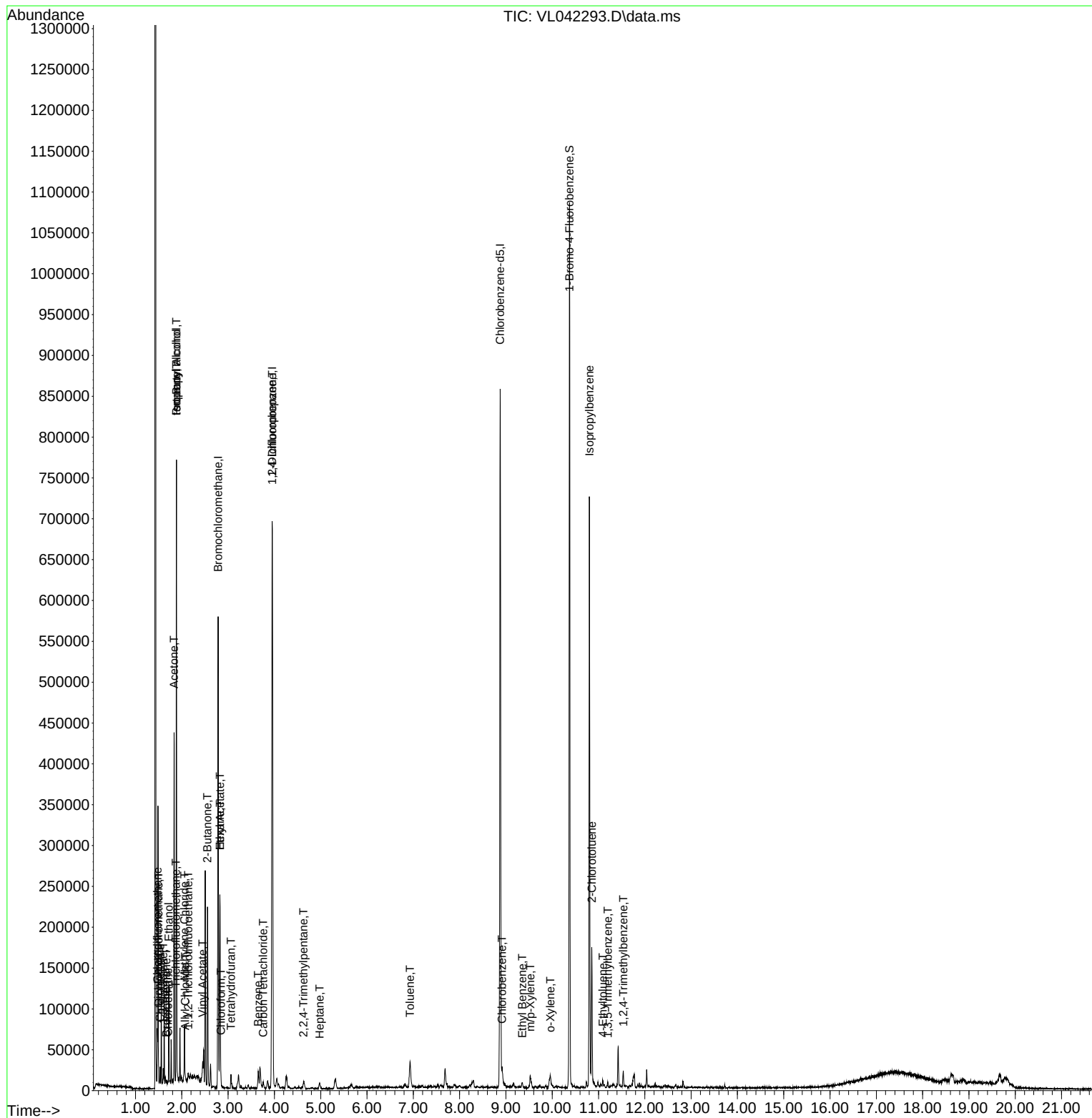
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.784  | 49    | 162172   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.952  | 114   | 394727   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.875  | 117   | 338809   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.370 | 95    | 260496   | 9.362    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 93.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.496  | 85    | 8768     | 0.366    | ppbv   | 100      |
| 3) Chlorodifluoromethane      | 1.473  | 51    | 27592    | 1.128    | ppbv   | 93       |
| 4) Chloromethane              | 1.531  | 50    | 5713     | 0.584    | ppbv   | 94       |
| 6) Bromomethane               | 1.667  | 94    | 191      | 0.043    | ppbv   | 83       |
| 7) Chloroethane               | 1.703  | 64    | 219      | 0.056    | ppbv # | 43       |
| 9) Propene                    | 1.884  | 41    | 28450    | 2.537    | ppbv   | 96       |
| 10) Heptane                   | 4.975  | 43    | 1928     | 0.065    | ppbv # | 28       |
| 11) Trichlorofluoromethane    | 1.874  | 101   | 5120     | 0.220    | ppbv   | 94       |
| 12) 1,1,2-Trichlorotrifluo... | 2.140  | 101   | 1343     | 0.070    | ppbv   | 100      |
| 13) Ethanol                   | 1.719  | 45    | 40099    | 37.833   | ppbv   | 81       |
| 15) Acetone                   | 1.832  | 43    | 192031   | 8.467    | ppbv   | 94       |
| 16) 1,3-Butadiene             | 1.599  | 39    | 2714     | 0.245    | ppbv # | 11       |
| 17) tert-Butyl alcohol        | 1.884  | 59    | 10927    | 0.387    | ppbv   | 95       |
| 19) Isopropyl Alcohol         | 1.884  | 45    | 298845   | 23.353   | ppbv # | 32       |
| 20) Methylene Chloride        | 2.059  | 84    | 9248     | 1.095    | ppbv   | 97       |
| 21) Allyl Chloride            | 2.072  | 41    | 495      | 0.031    | ppbv # | 23       |
| 23) Vinyl Acetate             | 2.450  | 43    | 17521    | 1.785    | ppbv # | 85       |
| 25) Ethyl Acetate             | 2.823  | 43    | 41224    | 0.700    | ppbv # | 83       |
| 26) Hexane                    | 2.823  | 57    | 46406    | 2.041    | ppbv # | 35       |
| 29) Chloroform                | 2.848  | 83    | 1132     | 0.034    | ppbv   | 86       |
| 34) 2-Butanone                | 2.554  | 43    | 134955   | 4.715    | ppbv   | 98       |
| 35) Carbon Tetrachloride      | 3.758  | 117   | 1572     | 0.051    | ppbv # | 67       |
| 36) Benzene                   | 3.651  | 78    | 11524    | 0.294    | ppbv # | 90       |
| 39) 1,2-Dichloropropane       | 3.955  | 63    | 99931    | 7.012    | ppbv # | 22       |
| 41) Tetrahydrofuran           | 3.062  | 42    | 4453     | 0.270    | ppbv   | 94       |
| 44) 2,2,4-Trimethylpentane    | 4.629  | 57    | 4328     | 0.065    | ppbv # | 38       |
| 53) Toluene                   | 6.930  | 91    | 22070    | 0.476    | ppbv   | 98       |
| 57) Chlorobenzene             | 8.914  | 112   | 7743     | 0.241    | ppbv # | 83       |
| 58) Ethyl Benzene             | 9.354  | 91    | 3481     | 0.058    | ppbv   | 99       |
| 59) m/p-Xylene                | 9.529  | 91    | 8935     | 0.186    | ppbv   | 95       |
| 60) o-Xylene                  | 9.963  | 91    | 4584     | 0.095    | ppbv   | 94       |
| 62) Isopropylbenzene          | 10.804 | 105   | 143134   | 1.987    | ppbv # | 50       |
| 71) 2-Chlorotoluene           | 10.853 | 91    | 21081    | 0.377    | ppbv # | 46       |
| 72) 4-Ethyltoluene            | 11.092 | 105   | 3205     | 0.053    | ppbv # | 60       |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105   | 1783     | 0.034    | ppbv # | 75       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105   | 5457     | 0.090    | ppbv # | 68       |
| -----                         |        |       |          |          |        |          |

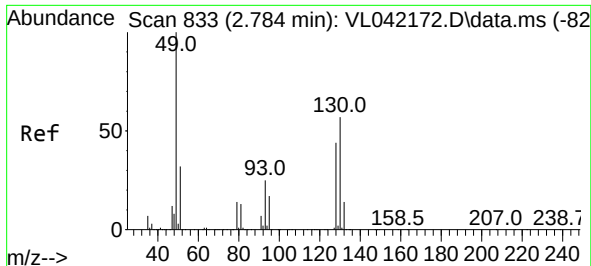
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IA-B9-1-3242025

Quant Time: Apr 10 01:45:06 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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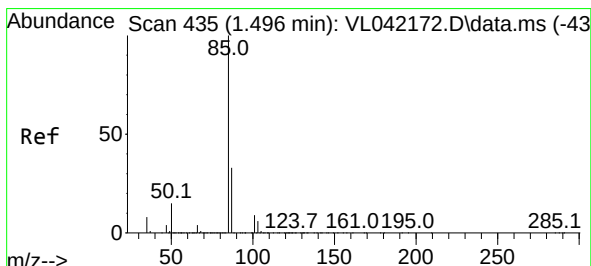
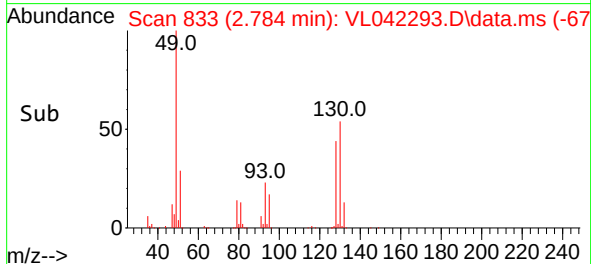
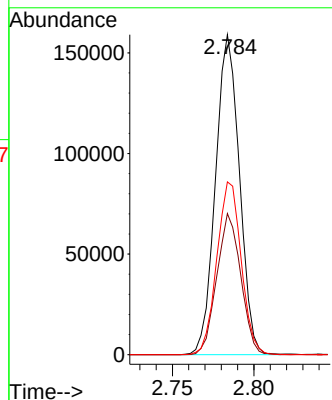
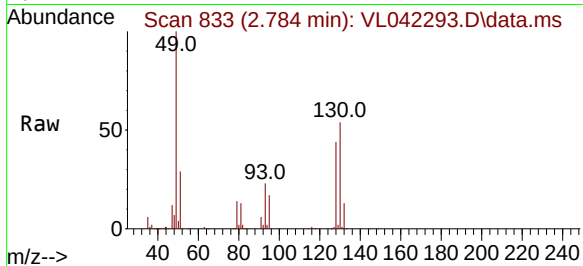




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

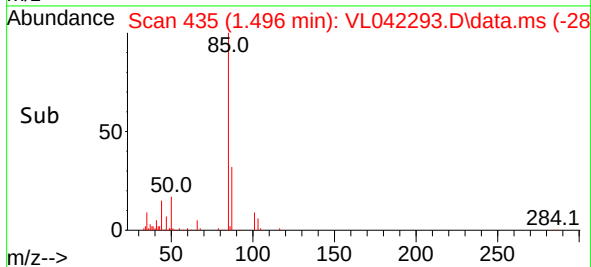
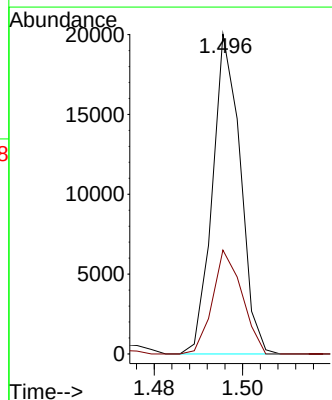
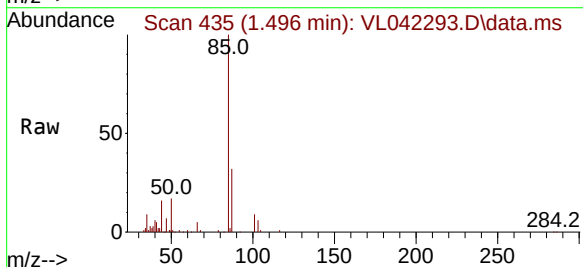
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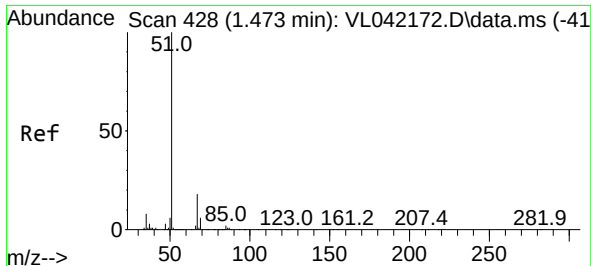
Tgt Ion: 49 Resp: 162172  
Ion Ratio Lower Upper  
49 100  
128 44.1 22.9 68.5  
130 55.0 28.8 86.4



#2  
Dichlorodifluoromethane  
Concen: 0.366 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 85 Resp: 8768  
Ion Ratio Lower Upper  
85 100  
87 32.5 26.1 39.1

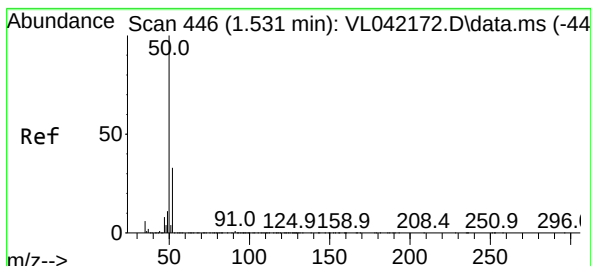
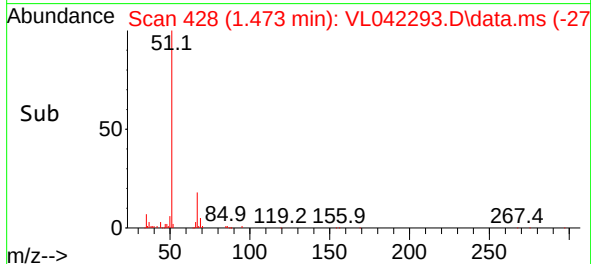
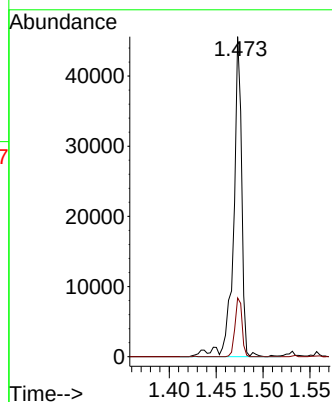
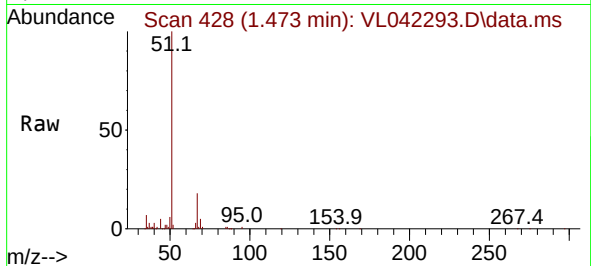




#3  
Chlorodifluoromethane  
Concen: 1.128 ppbv  
RT: 1.473 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

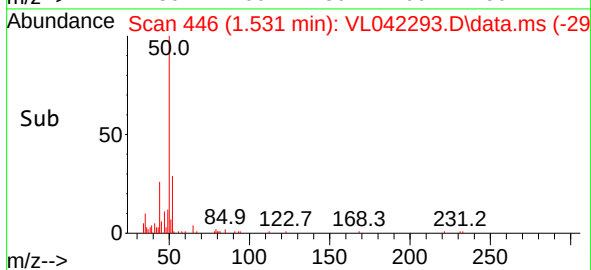
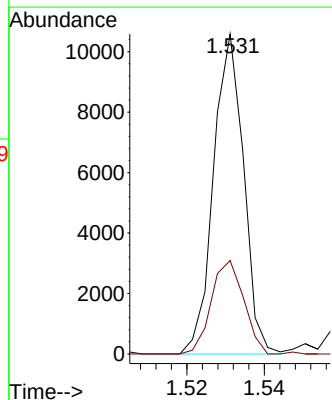
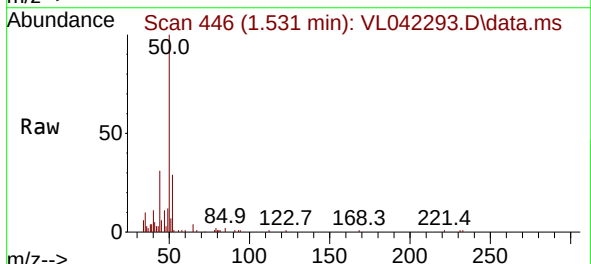
Instrument :  
MSVOA\_L  
ClientSampleId :  
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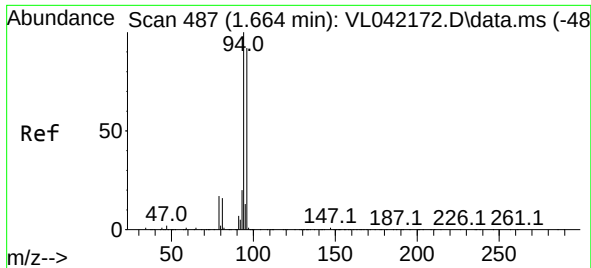
Tgt Ion: 51 Resp: 27592  
Ion Ratio Lower Upper  
51 100  
67 15.8 15.0 22.6



#4  
Chloromethane  
Concen: 0.584 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 50 Resp: 5713  
Ion Ratio Lower Upper  
50 100  
52 29.2 26.1 39.1

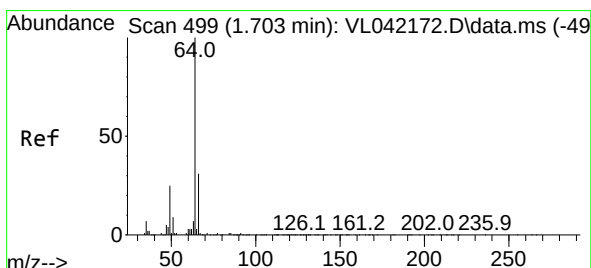
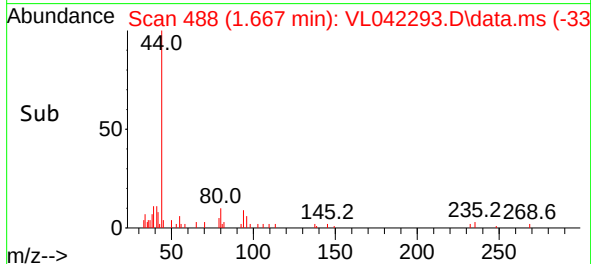
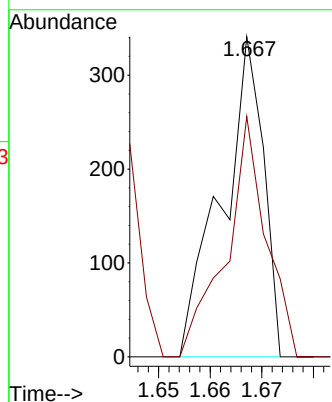
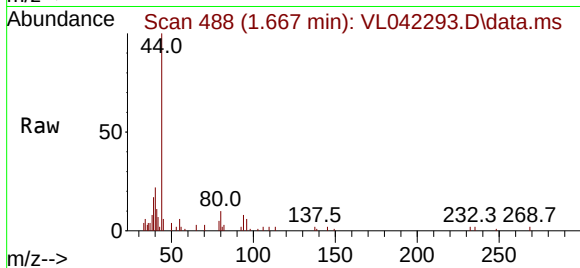




#6  
Bromomethane  
Concen: 0.043 ppbv  
RT: 1.667 min Scan# 488  
Delta R.T. 0.003 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

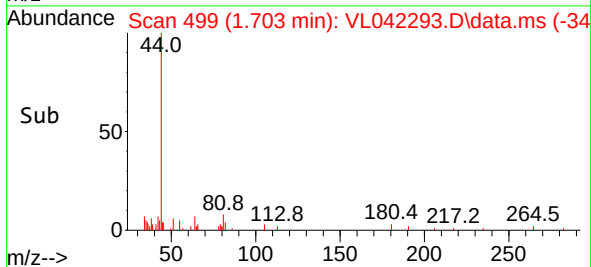
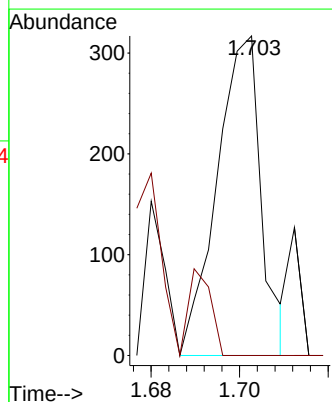
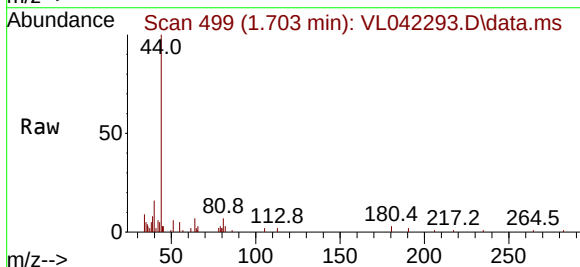
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

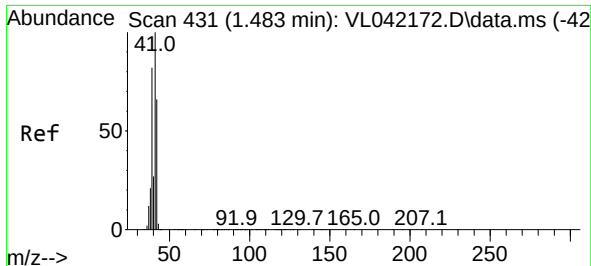
Tgt Ion: 94 Resp: 191  
Ion Ratio Lower Upper  
94 100  
96 75.1 73.1 109.7



#7  
Chloroethane  
Concen: 0.056 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 64 Resp: 219  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.2 37.8

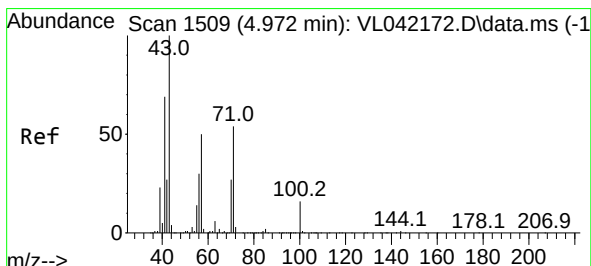
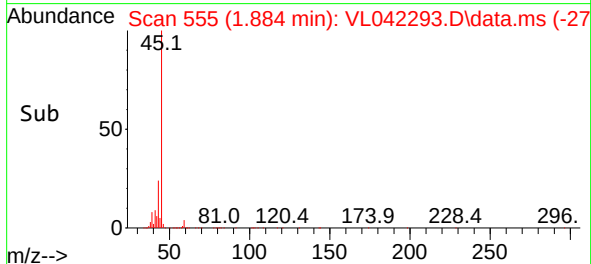
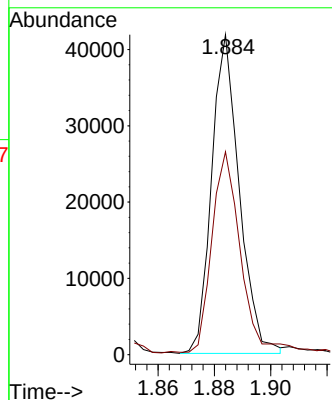
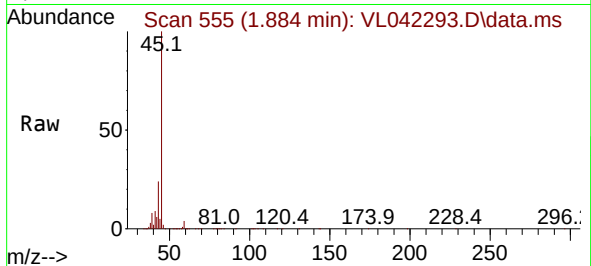




#9  
 Propene  
 Concen: 2.537 ppbv  
 RT: 1.884 min Scan# 51  
 Delta R.T. 0.401 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

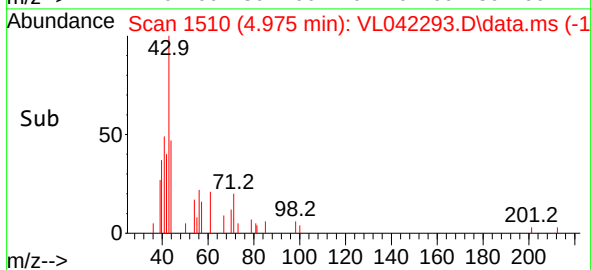
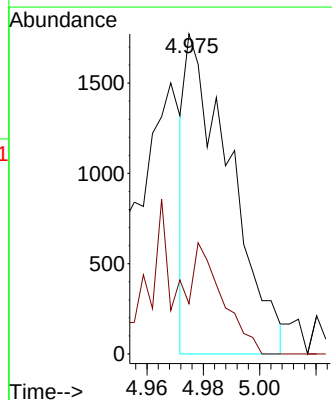
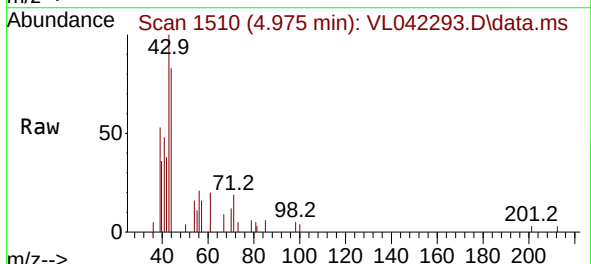
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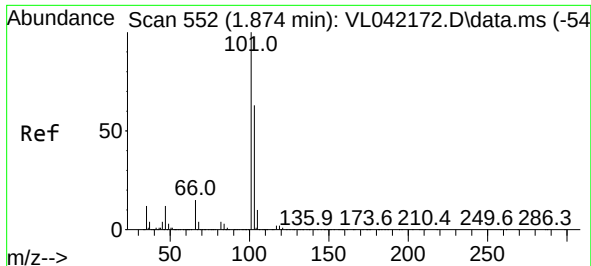
Tgt Ion: 41 Resp: 28450  
 Ion Ratio Lower Upper  
 41 100  
 42 65.7 55.4 83.2



#10  
 Heptane  
 Concen: 0.065 ppbv  
 RT: 4.975 min Scan# 1510  
 Delta R.T. 0.003 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

Tgt Ion: 43 Resp: 1928  
 Ion Ratio Lower Upper  
 43 100  
 57 0.0 39.4 59.2#

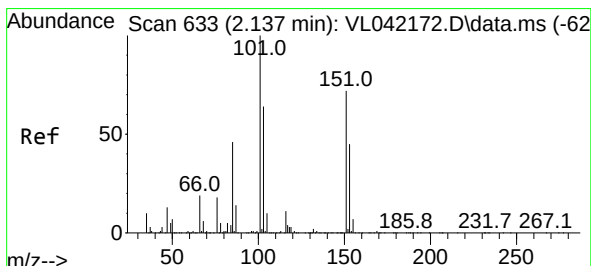
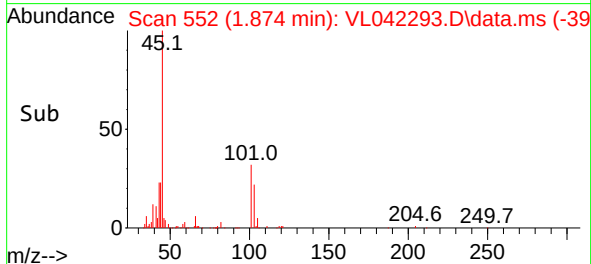
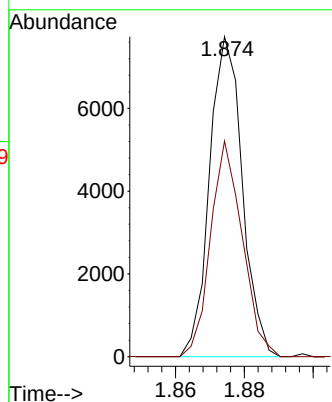
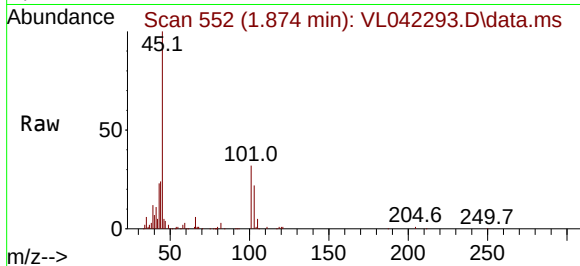




#11  
 Trichlorofluoromethane  
 Concen: 0.220 ppbv  
 RT: 1.874 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

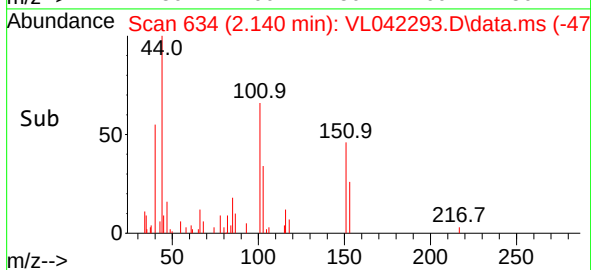
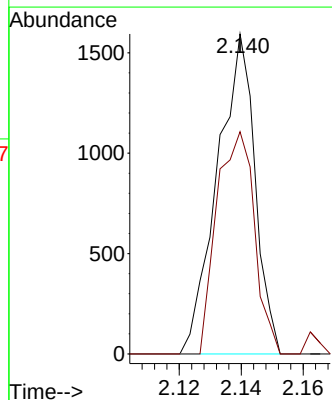
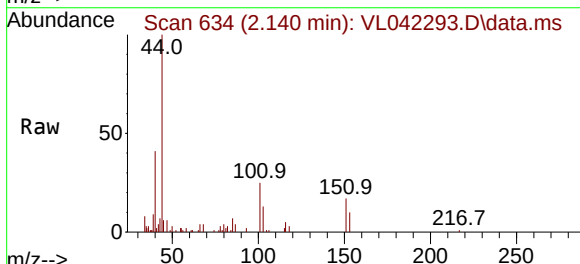
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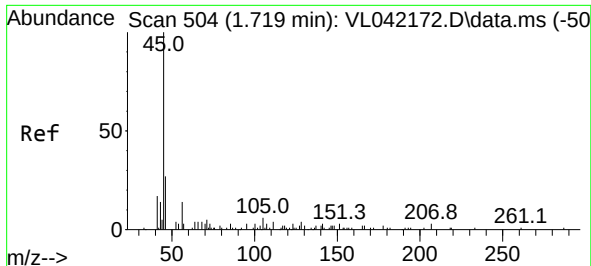
Tgt Ion:101 Resp: 5120  
 Ion Ratio Lower Upper  
 101 100  
 103 67.4 50.2 75.2



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.070 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.003 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

Tgt Ion:101 Resp: 1343  
 Ion Ratio Lower Upper  
 101 100  
 151 71.8 57.1 85.7

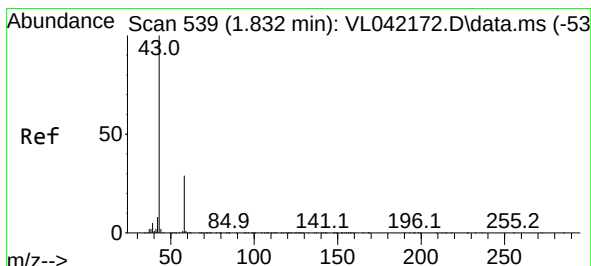
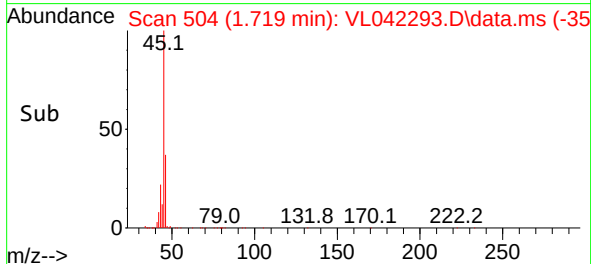
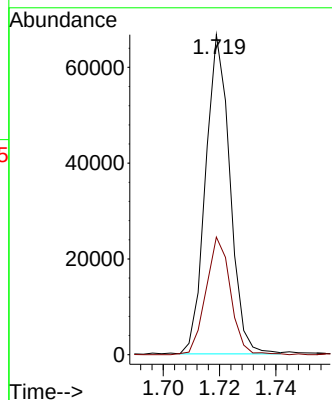
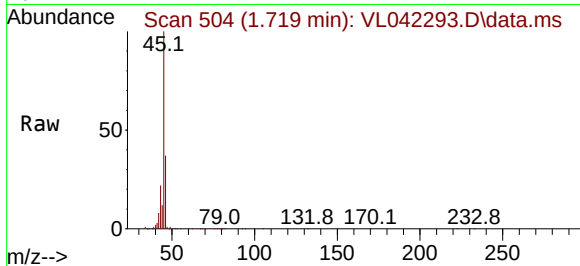




#13  
Ethanol  
Concen: 37.833 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

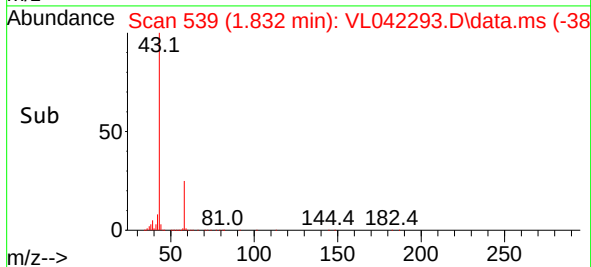
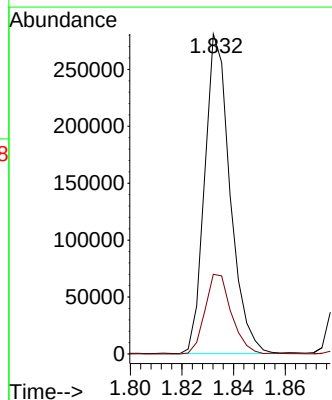
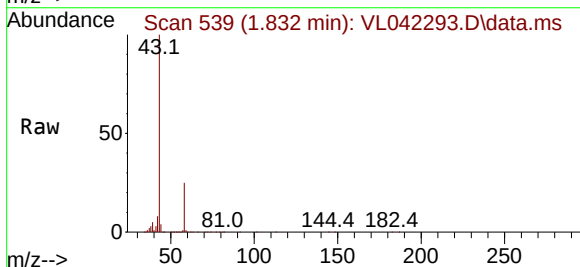
Instrument :  
MSVOA\_L  
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IA-B9-1-3242025

Tgt Ion: 45 Resp: 40099  
Ion Ratio Lower Upper  
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46 37.4 20.2 80.8

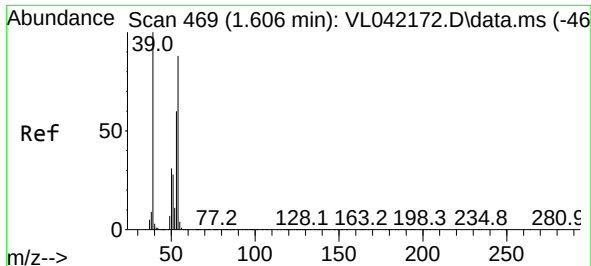


#15  
Acetone  
Concen: 8.467 ppbv  
RT: 1.832 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 43 Resp: 192031  
Ion Ratio Lower Upper  
43 100  
58 26.1 23.2 34.8



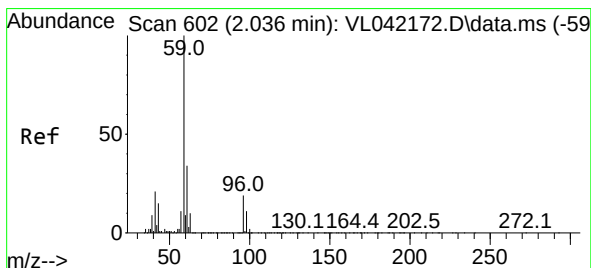
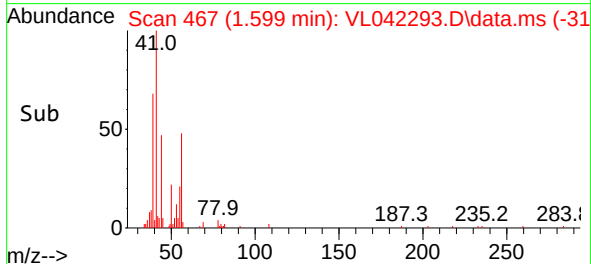
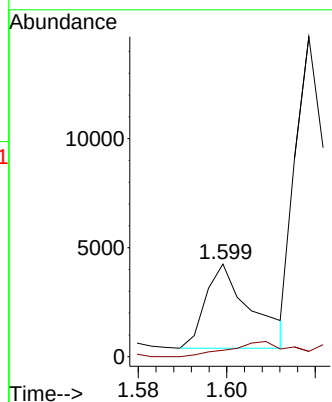
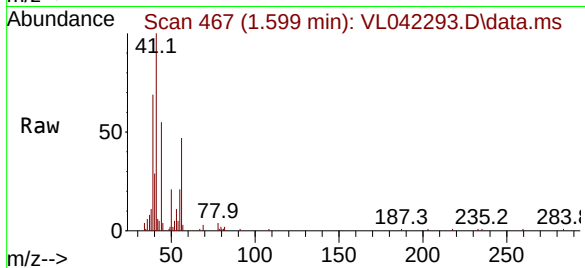




#16  
1,3-Butadiene  
Concen: 0.245 ppbv  
RT: 1.599 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

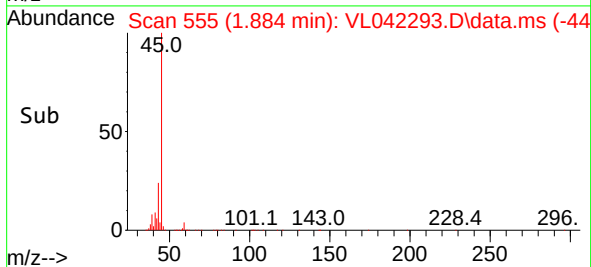
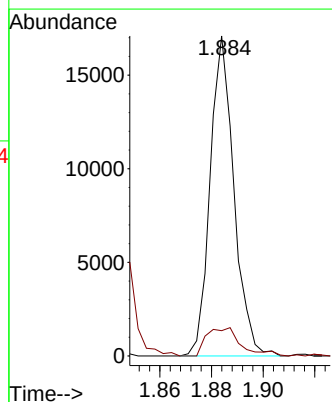
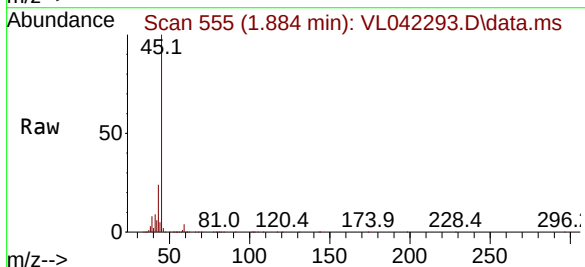
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

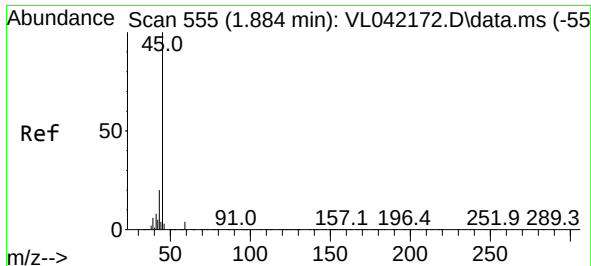
Tgt Ion: 39 Resp: 2714  
Ion Ratio Lower Upper  
39 100  
54 0.0 60.7 91.1#



#17  
tert-Butyl alcohol  
Concen: 0.387 ppbv  
RT: 1.884 min Scan# 555  
Delta R.T. -0.152 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 59 Resp: 10927  
Ion Ratio Lower Upper  
59 100  
57 13.0 8.9 13.3

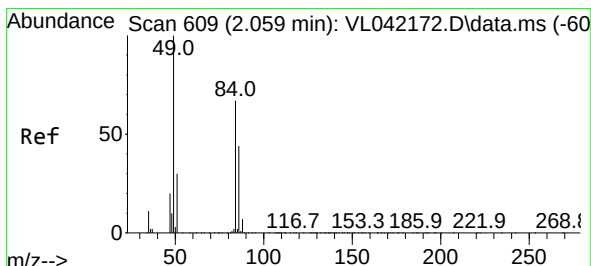
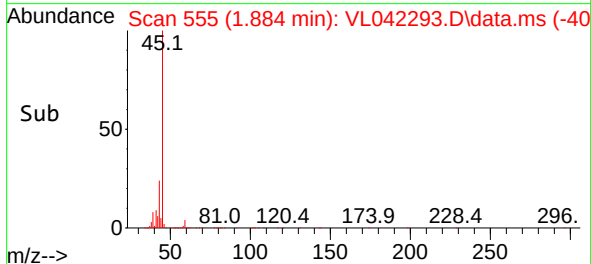
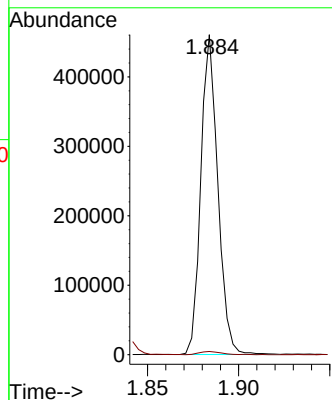
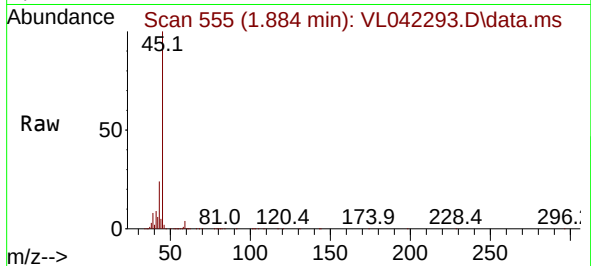




#19  
Isopropyl Alcohol  
Concen: 23.353 ppbv  
RT: 1.884 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

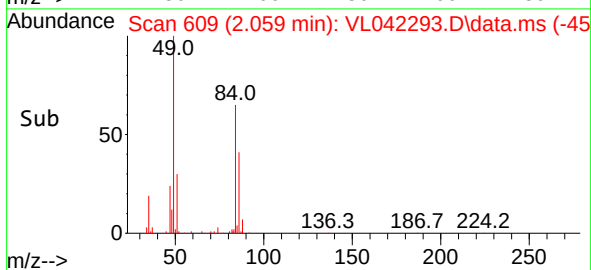
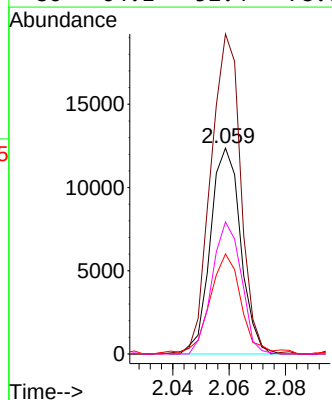
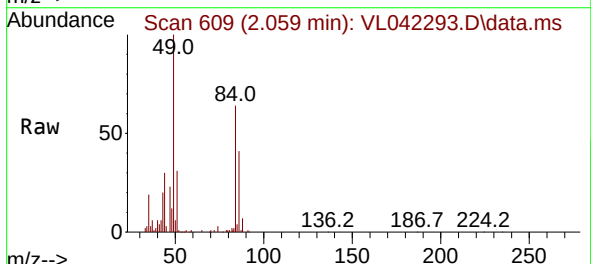
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

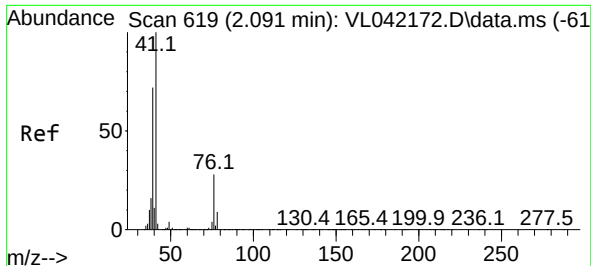
Tgt Ion: 45 Resp: 298845  
Ion Ratio Lower Upper  
45 100  
58 1.3 36.9 55.3#



#20  
Methylene Chloride  
Concen: 1.095 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 84 Resp: 9248  
Ion Ratio Lower Upper  
84 100  
49 154.7 120.2 180.4  
51 47.8 37.4 56.0  
86 64.1 52.4 78.6

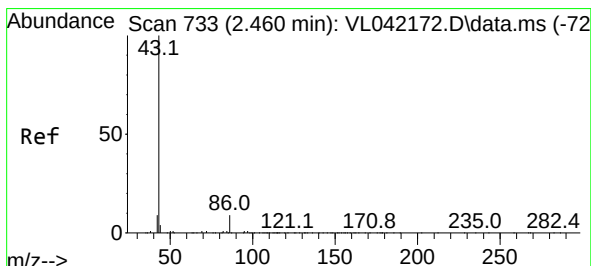
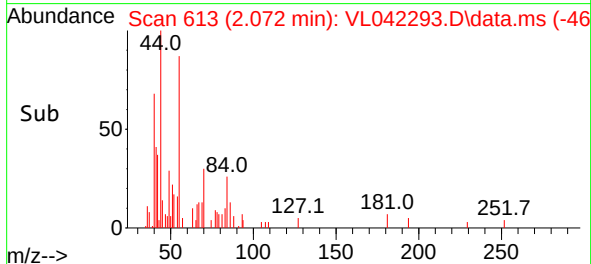
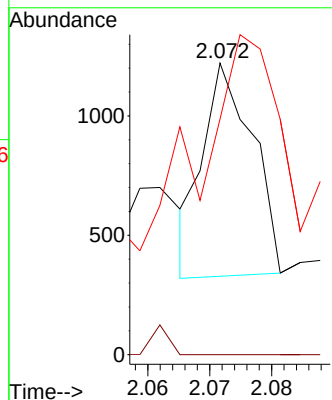
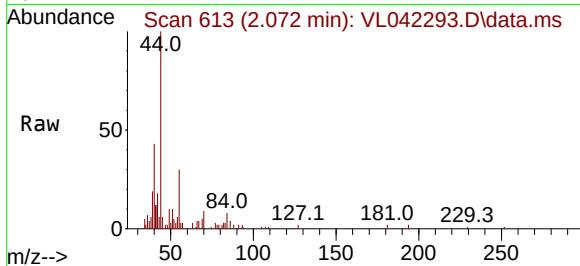




#21  
 Allyl Chloride  
 Concen: 0.031 ppbv  
 RT: 2.072 min Scan# 61  
 Delta R.T. -0.020 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

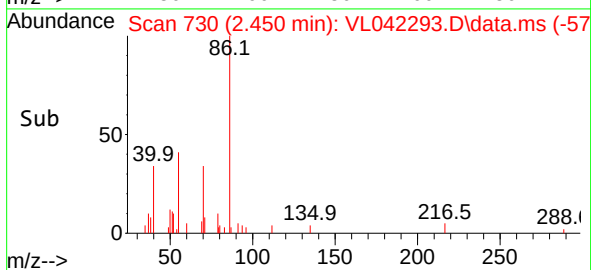
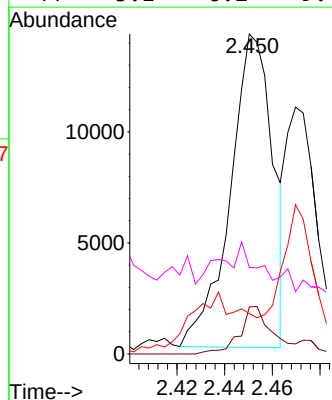
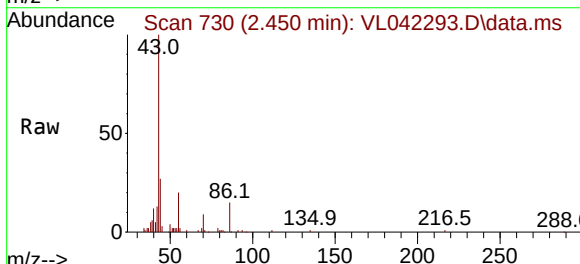
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-B9-1-3242025

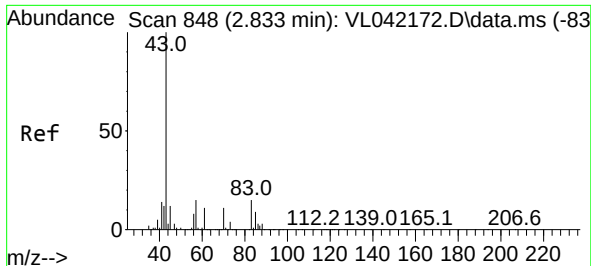
Tgt Ion: 41 Resp: 495  
 Ion Ratio Lower Upper  
 41 100  
 76 55.4 24.1 36.1#  
 39 0.0 61.1 91.7#



#23  
 Vinyl Acetate  
 Concen: 1.785 ppbv  
 RT: 2.450 min Scan# 730  
 Delta R.T. -0.010 min  
 Lab File: VL042293.D  
 Acq: 09 Apr 2025 15:15

Tgt Ion: 43 Resp: 17521  
 Ion Ratio Lower Upper  
 43 100  
 86 15.0 5.5 8.3#  
 42 6.5 8.6 13.0#  
 44 3.1 6.2 9.4#

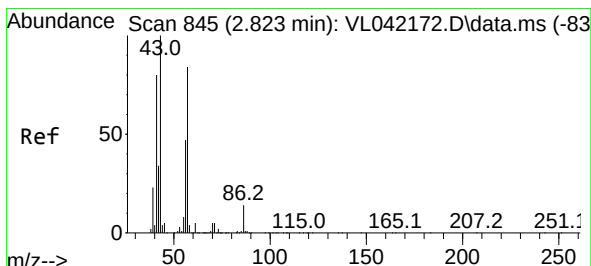
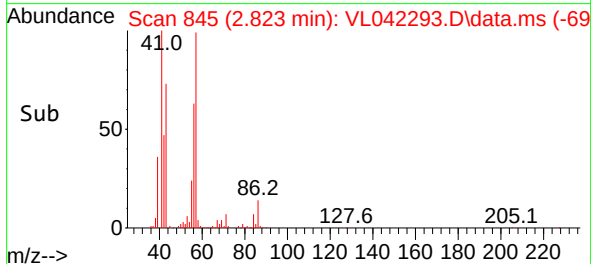
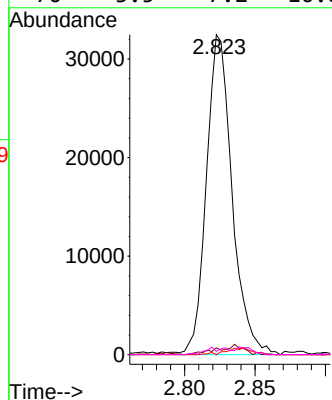
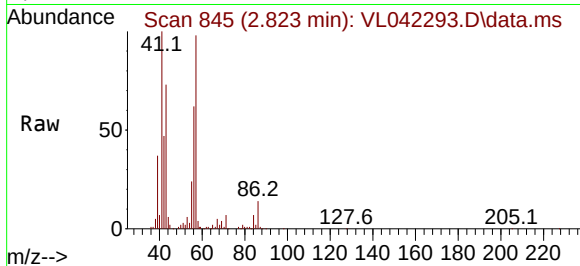




#25  
Ethyl Acetate  
Concen: 0.700 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.010 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

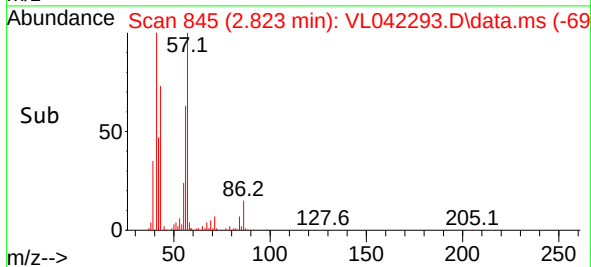
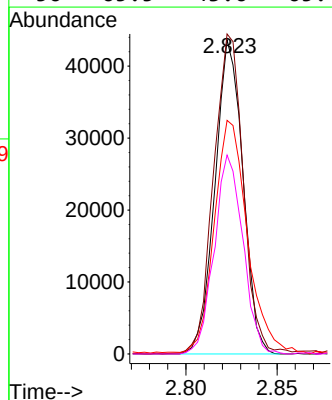
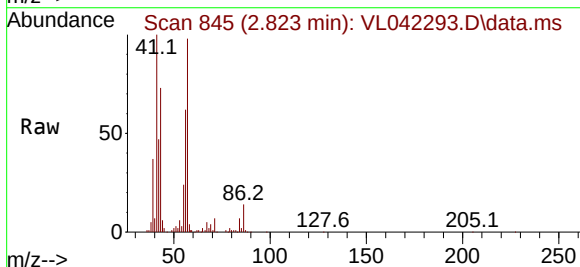
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

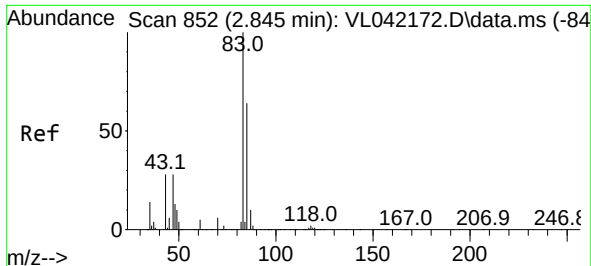
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 41224 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 3.7   | 8.2   | 12.2# |
| 61       | 2.1   | 7.3   | 10.9# |
| 70       | 3.5   | 7.2   | 10.8# |



#26  
Hexane  
Concen: 2.041 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 46406  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 108.6 | 76.6  | 114.8  |
| 43       | 89.9  | 207.8 | 311.8# |
| 56       | 65.5  | 43.6  | 65.4#  |





#29

Chloroform

Concen: 0.034 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

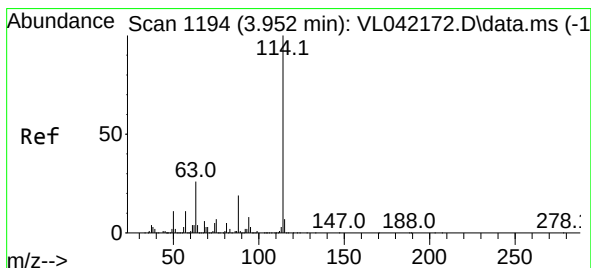
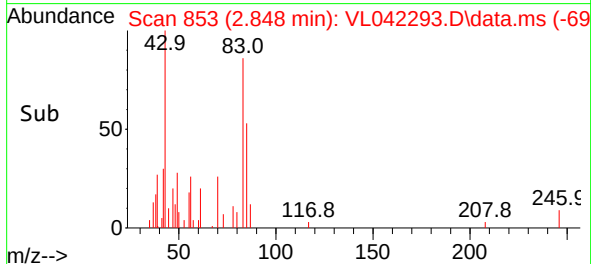
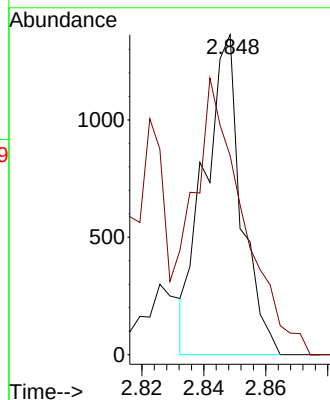
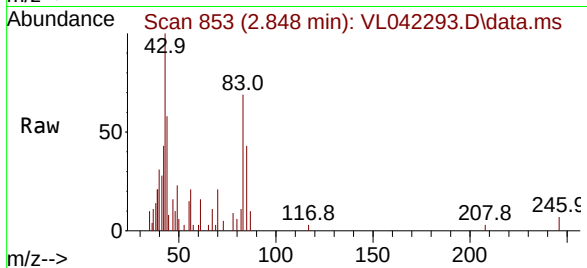
IA-B9-1-3242025

Tgt Ion: 83 Resp: 1132

Ion Ratio Lower Upper

83 100

85 53.2 51.4 77.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

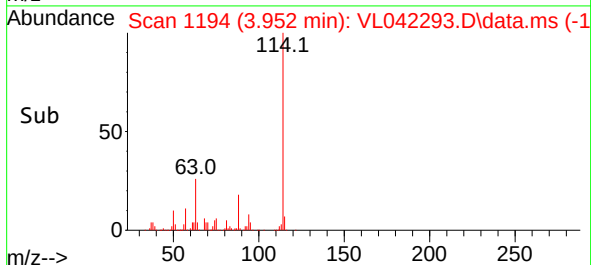
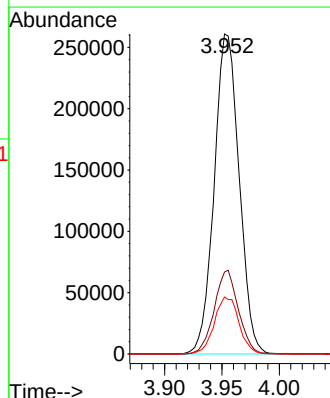
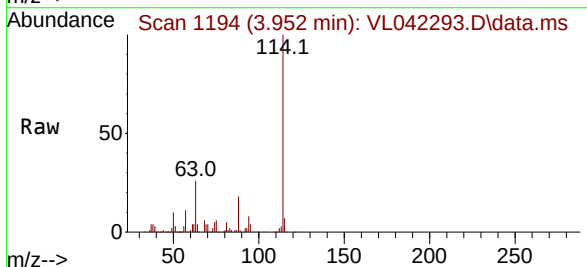
Tgt Ion: 114 Resp: 394727

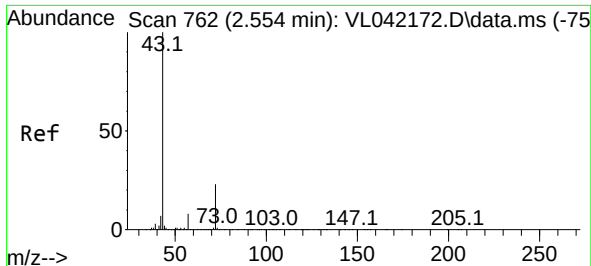
Ion Ratio Lower Upper

114 100

63 25.3 20.7 31.1

88 17.6 15.0 22.4

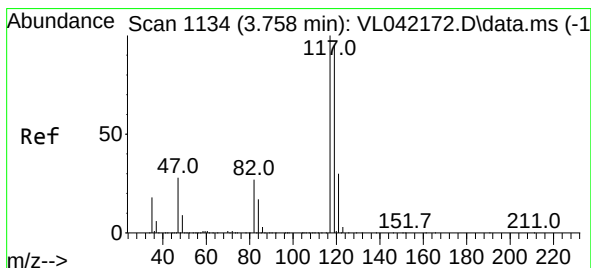
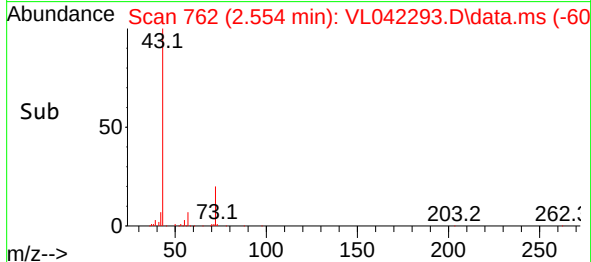
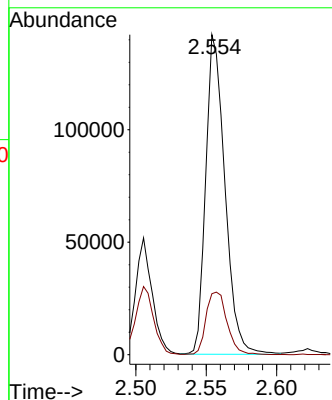
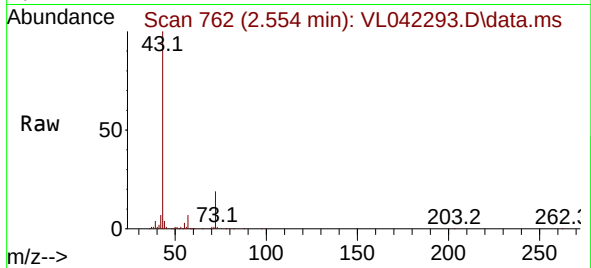




#34  
2-Butanone  
Concen: 4.715 ppbv  
RT: 2.554 min Scan# 762  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

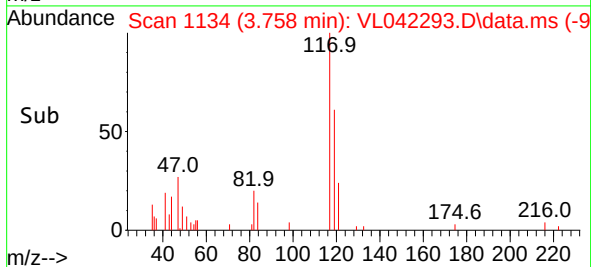
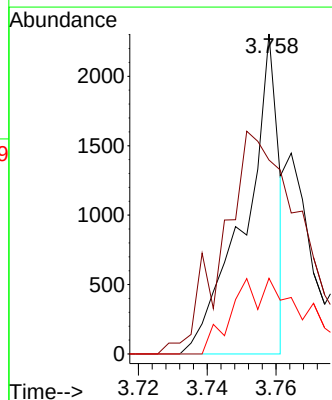
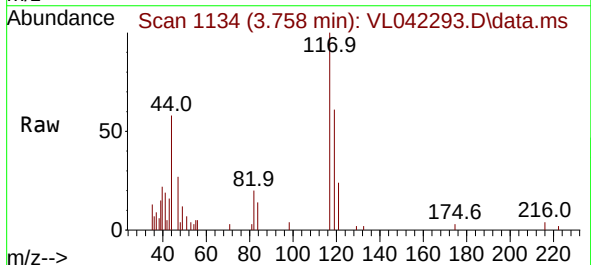
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

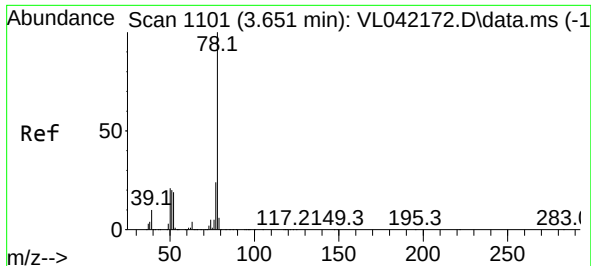
Tgt Ion: 43 Resp: 134955  
Ion Ratio Lower Upper  
43 100  
72 21.5 18.2 27.2



#35  
Carbon Tetrachloride  
Concen: 0.051 ppbv  
RT: 3.758 min Scan# 1134  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 117 Resp: 1572  
Ion Ratio Lower Upper  
117 100  
119 57.2 76.2 114.2#  
121 23.6 24.2 36.4#

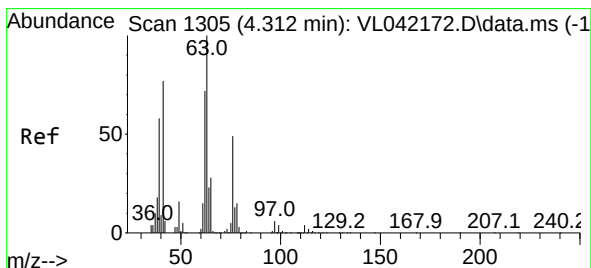
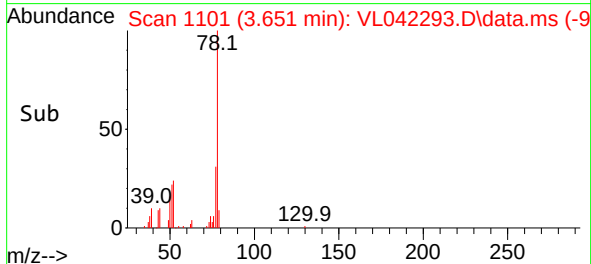
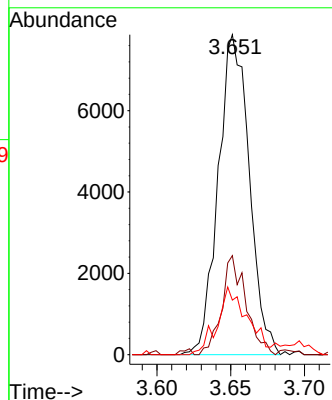
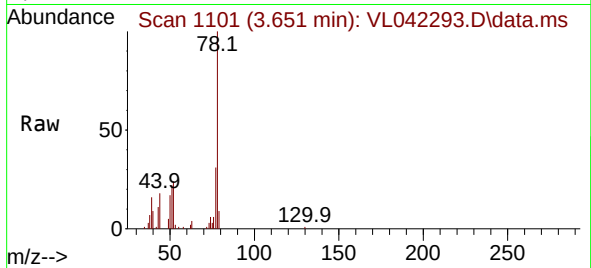




#36  
Benzene  
Concen: 0.294 ppbv  
RT: 3.651 min Scan# 1101  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

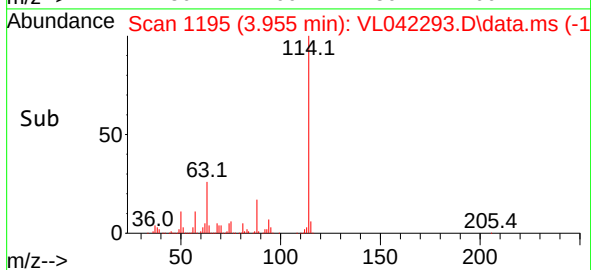
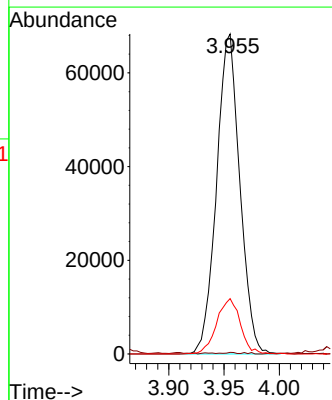
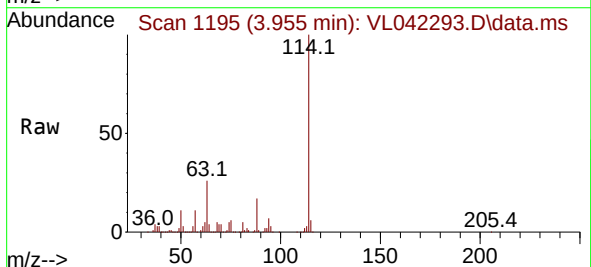
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

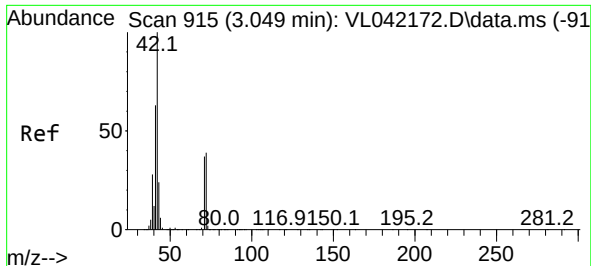
Tgt Ion: 78 Resp: 11524  
Ion Ratio Lower Upper  
78 100  
77 29.8 19.1 28.7#  
50 17.1 16.6 24.8



#39  
1,2-Dichloropropane  
Concen: 7.012 ppbv  
RT: 3.955 min Scan# 1195  
Delta R.T. -0.356 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 63 Resp: 99931  
Ion Ratio Lower Upper  
63 100  
41 0.2 61.7 92.5#  
62 17.3 57.6 86.4#





#41

Tetrahydrofuran

Concen: 0.270 ppbv

RT: 3.062 min Scan# 915

Delta R.T. 0.013 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

IA-B9-1-3242025

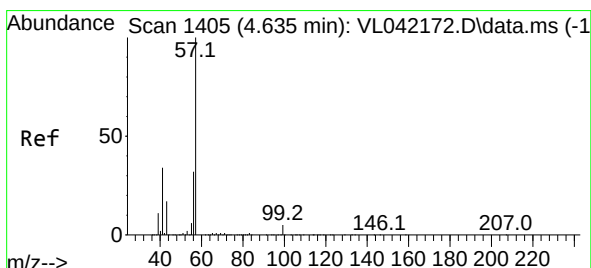
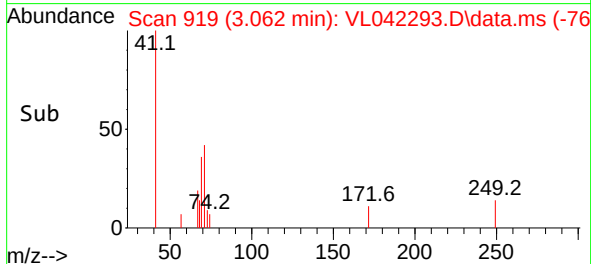
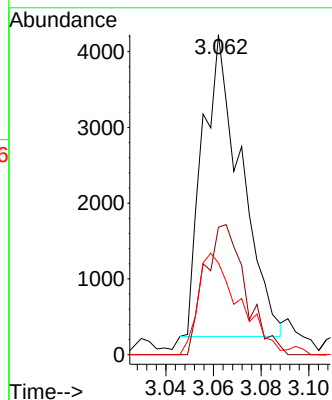
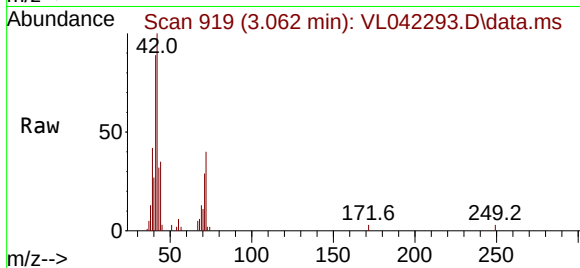
Tgt Ion: 42 Resp: 4453

Ion Ratio Lower Upper

42 100

72 45.9 31.4 47.0

71 37.1 30.2 45.4



#44

2,2,4-Trimethylpentane

Concen: 0.065 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. -0.007 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

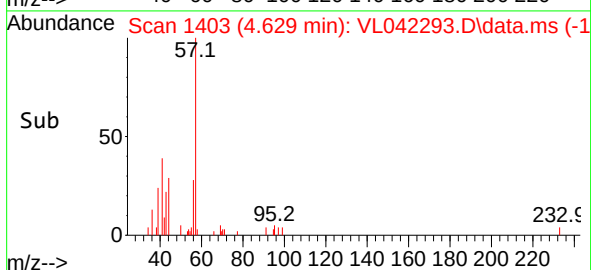
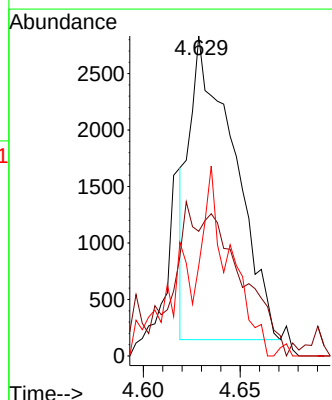
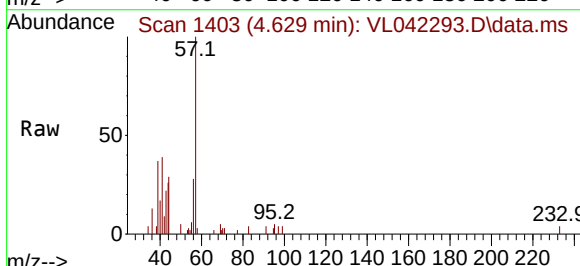
Tgt Ion: 57 Resp: 4328

Ion Ratio Lower Upper

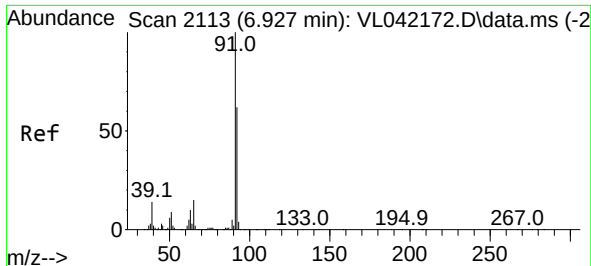
57 100

41 65.9 26.8 40.2#

56 69.2 25.6 38.4#



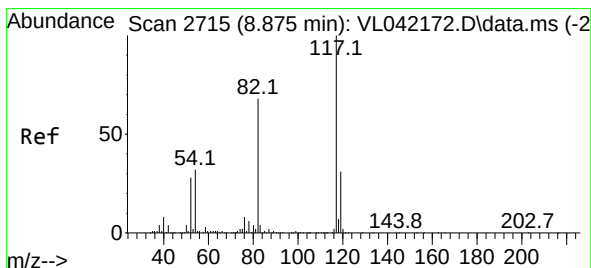
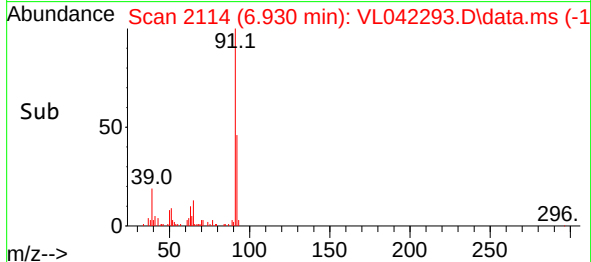
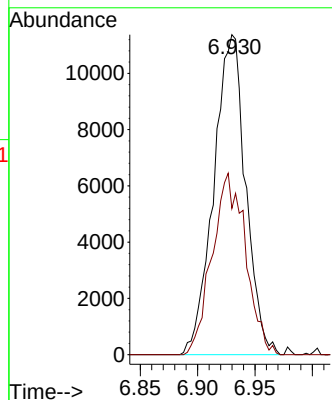
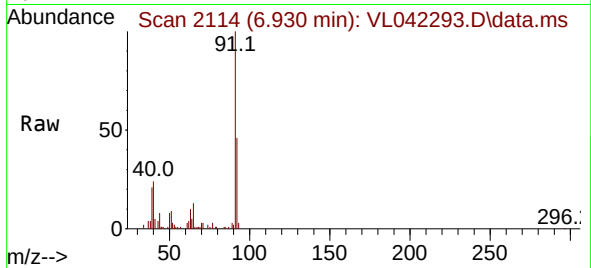




#53  
Toluene  
Concen: 0.476 ppbv  
RT: 6.930 min Scan# 2114  
Delta R.T. 0.003 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

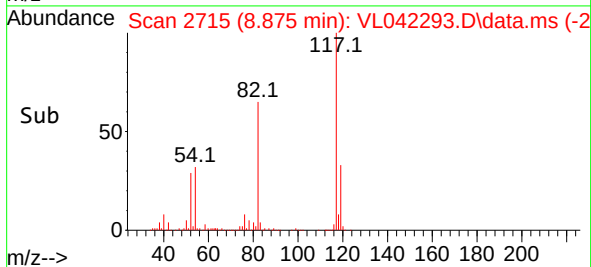
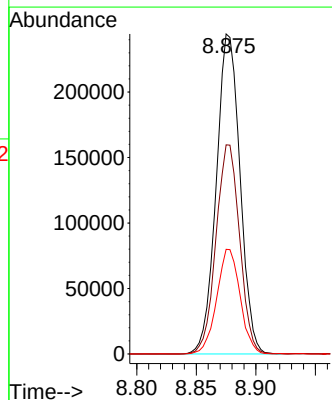
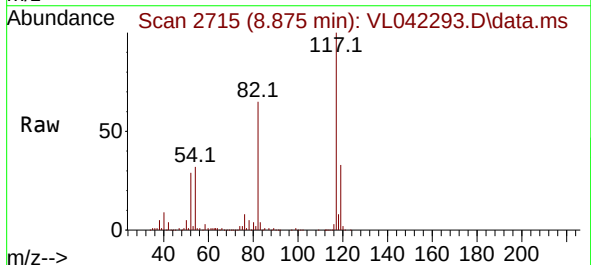
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

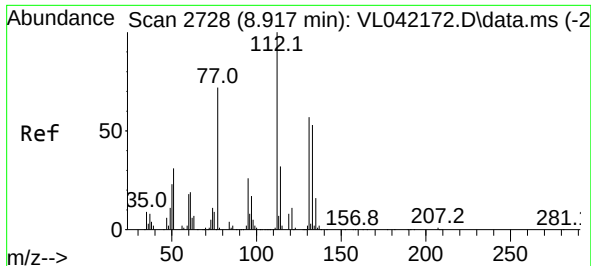
Tgt Ion: 91 Resp: 22070  
Ion Ratio Lower Upper  
91 100  
92 59.2 48.4 72.6



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.875 min Scan# 2715  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 117 Resp: 338809  
Ion Ratio Lower Upper  
117 100  
82 65.0 55.8 83.6  
119 32.2 25.5 38.3





#57

Chlorobenzene

Concen: 0.241 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

IA-B9-1-3242025

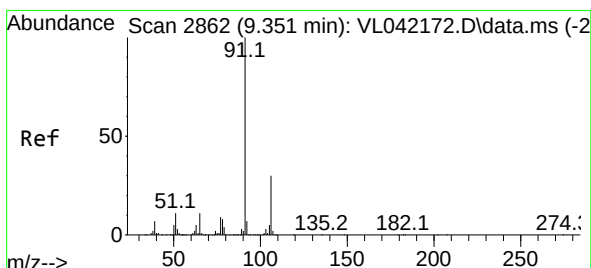
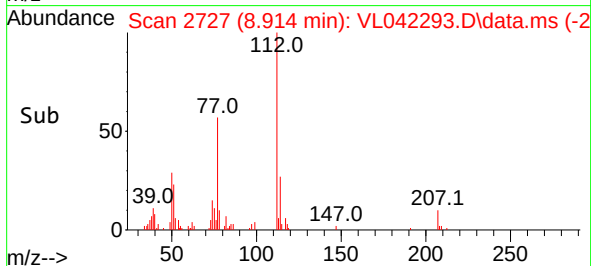
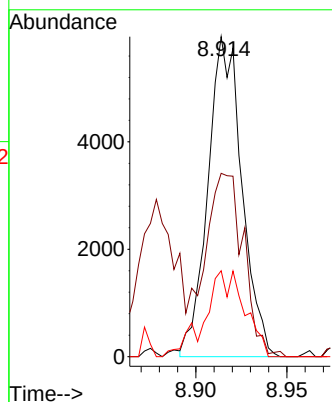
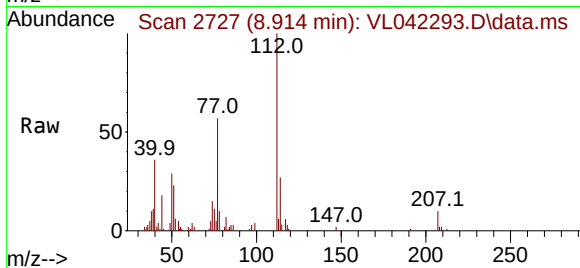
Tgt Ion:112 Resp: 7743

Ion Ratio Lower Upper

112 100

77 55.6 58.2 87.2#

114 26.9 29.1 35.5#



#58

Ethyl Benzene

Concen: 0.058 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. 0.003 min

Lab File: VL042293.D

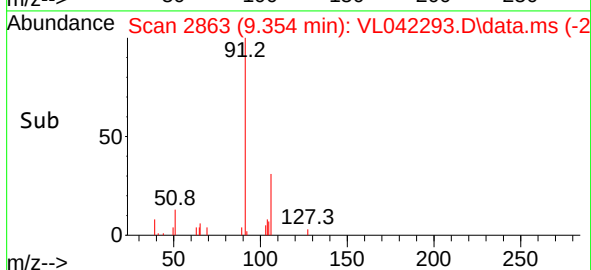
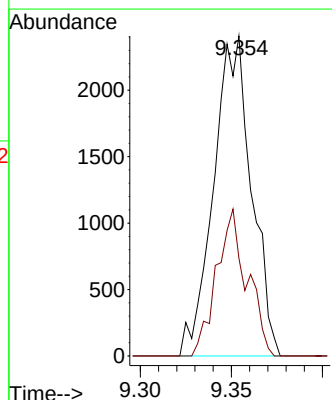
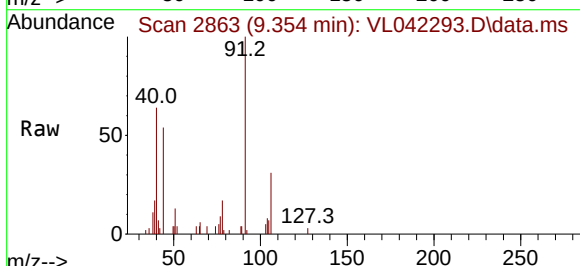
Acq: 09 Apr 2025 15:15

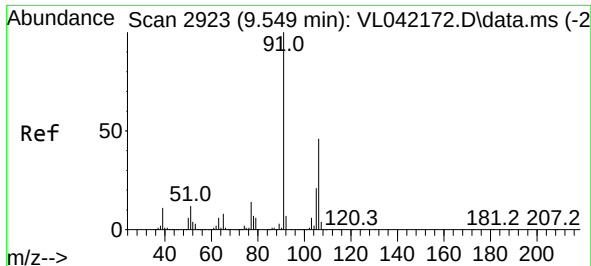
Tgt Ion: 91 Resp: 3481

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2





#59

m/p-Xylene

Concen: 0.186 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.020 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

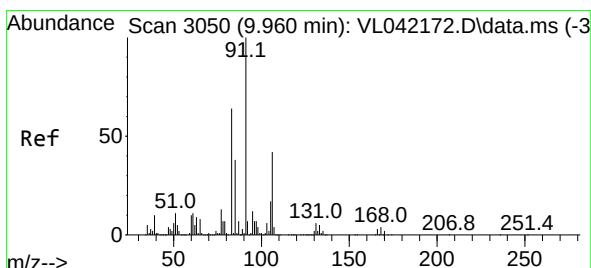
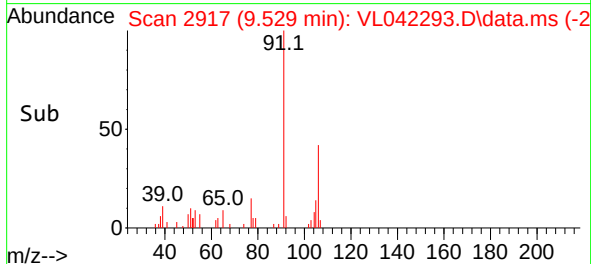
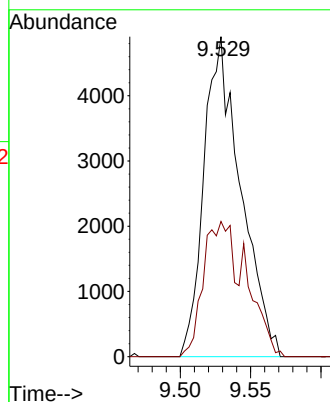
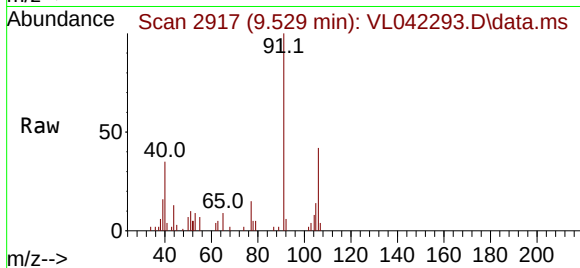
IA-B9-1-3242025

Tgt Ion: 91 Resp: 8935

Ion Ratio Lower Upper

91 100

106 48.6 36.4 54.6



#60

o-Xylene

Concen: 0.095 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042293.D

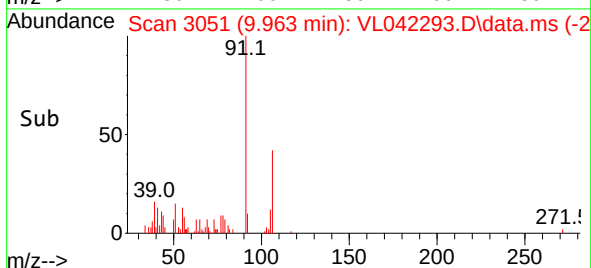
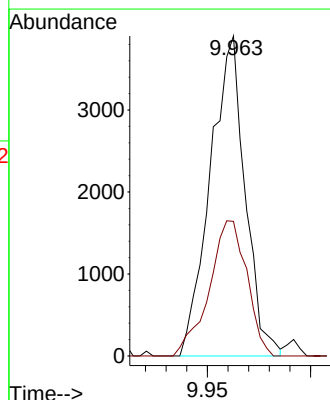
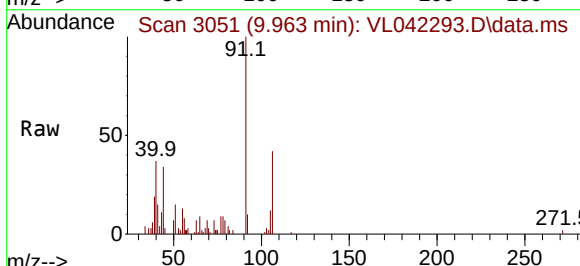
Acq: 09 Apr 2025 15:15

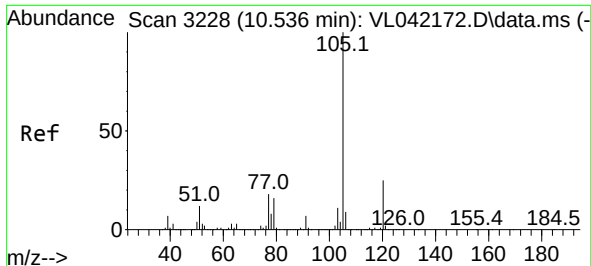
Tgt Ion: 91 Resp: 4584

Ion Ratio Lower Upper

91 100

106 45.5 20.8 62.5

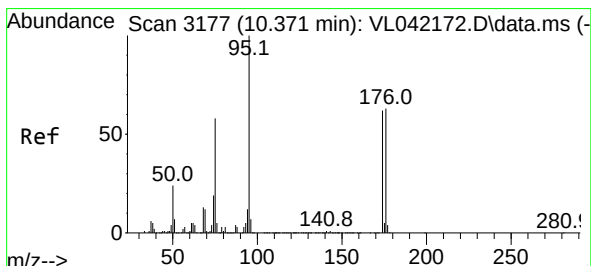
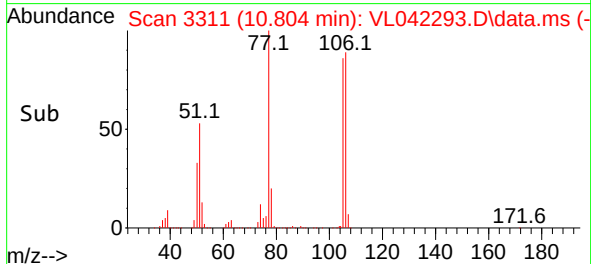
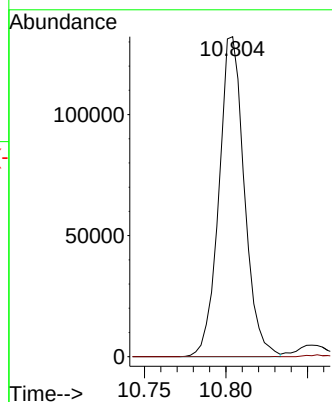
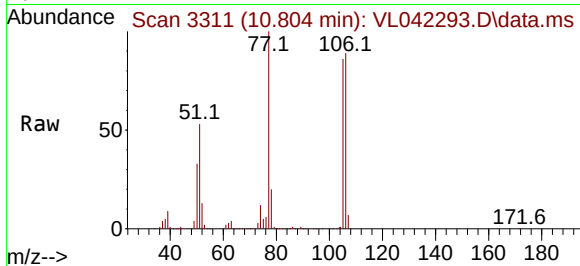




#62  
Isopropylbenzene  
Concen: 1.987 ppbv  
RT: 10.804 min Scan# 3111  
Delta R.T. 0.268 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

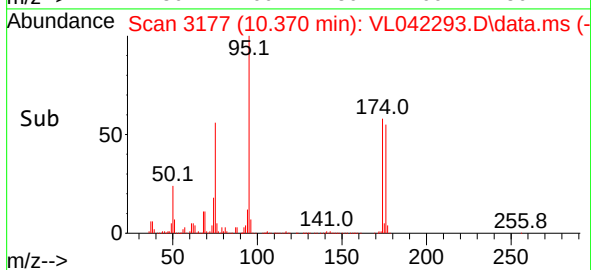
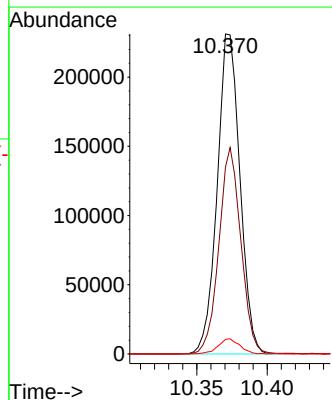
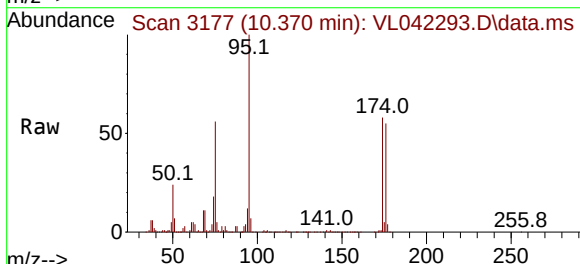
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B9-1-3242025

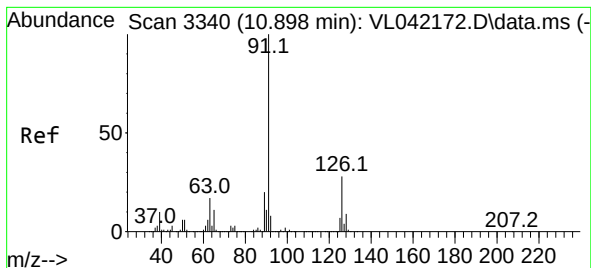
Tgt Ion:105 Resp: 143134  
Ion Ratio Lower Upper  
105 100  
120 0.0 19.9 29.9#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.362 ppbv  
RT: 10.370 min Scan# 3177  
Delta R.T. -0.000 min  
Lab File: VL042293.D  
Acq: 09 Apr 2025 15:15

Tgt Ion: 95 Resp: 260496  
Ion Ratio Lower Upper  
95 100  
174 62.4 50.6 76.0  
175 4.6 3.8 5.6





#71

2-Chlorotoluene

Concen: 0.377 ppbv

RT: 10.853 min Scan# 31

Delta R.T. -0.046 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

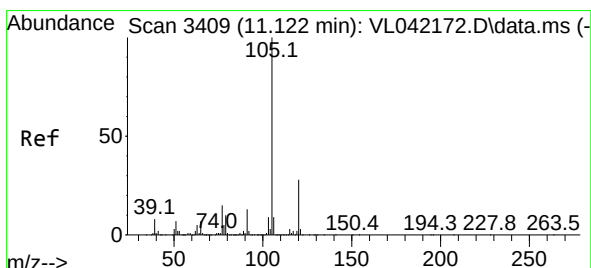
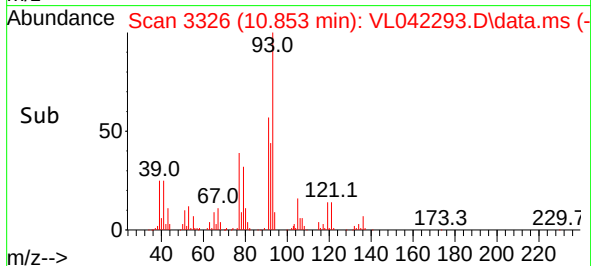
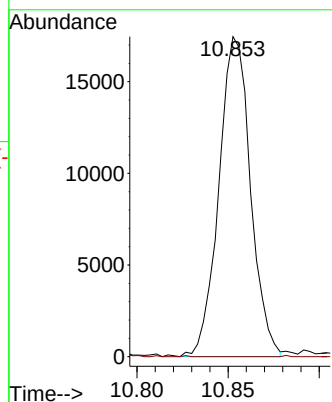
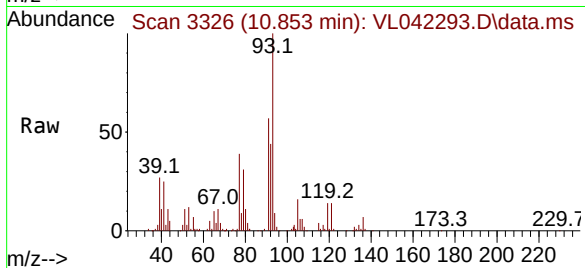
IA-B9-1-3242025

Tgt Ion: 91 Resp: 21081

Ion Ratio Lower Upper

91 100

126 0.1 11.6 46.4#



#72

4-Ethyltoluene

Concen: 0.053 ppbv

RT: 11.092 min Scan# 3400

Delta R.T. -0.029 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Tgt Ion: 105 Resp: 3205

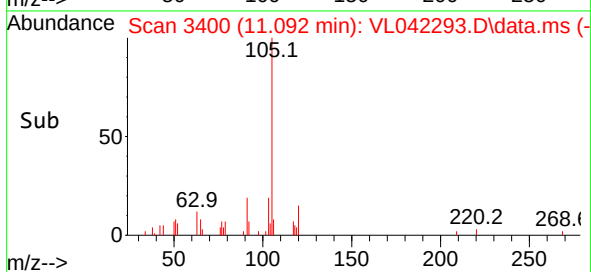
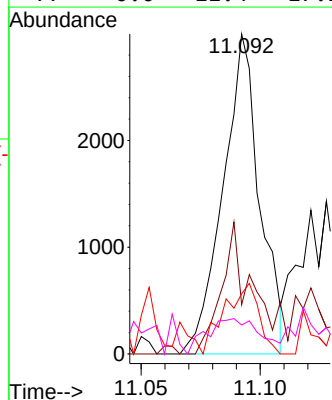
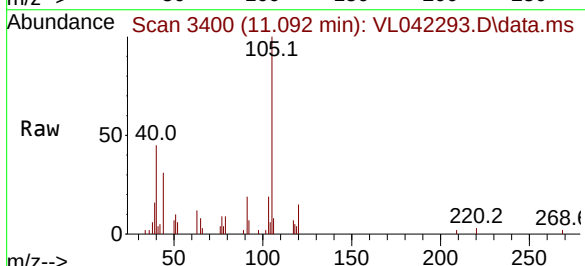
Ion Ratio Lower Upper

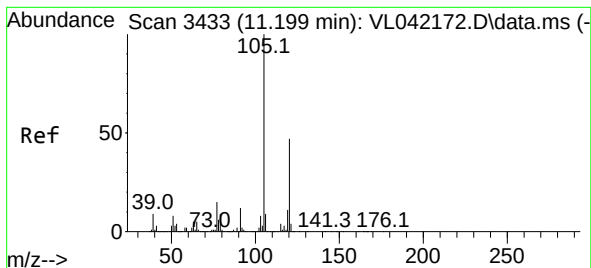
105 100

120 54.5 23.4 35.0#

91 24.8 10.3 15.5#

77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.034 ppbv

RT: 11.202 min Scan# 3433

Delta R.T. 0.003 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Instrument :

MSVOA\_L

ClientSampleId :

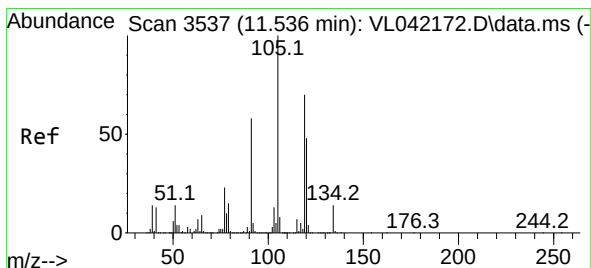
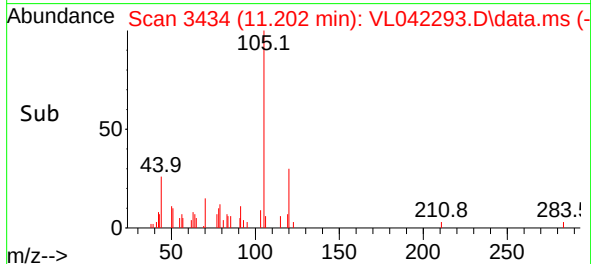
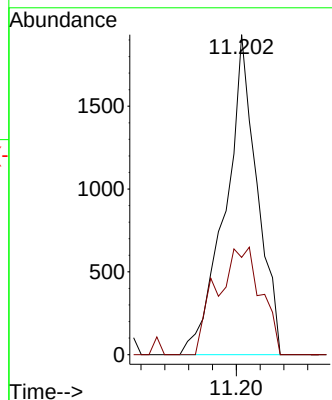
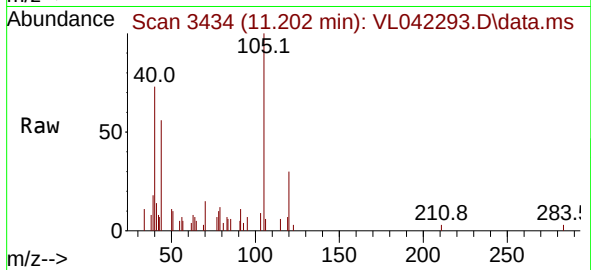
IA-B9-1-3242025

Tgt Ion:105 Resp: 1783

Ion Ratio Lower Upper

105 100

120 30.4 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.090 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042293.D

Acq: 09 Apr 2025 15:15

Tgt Ion:105 Resp: 5457

Ion Ratio Lower Upper

105 100

120 42.7 38.6 58.0

91 11.2 46.2 69.2#

77 19.9 18.6 27.8

