

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012725\  
 Data File : VL041945.D  
 Acq On : 27 Jan 2025 10:47  
 Operator : SY/MD  
 Sample : VL0127ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 28 02:33:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

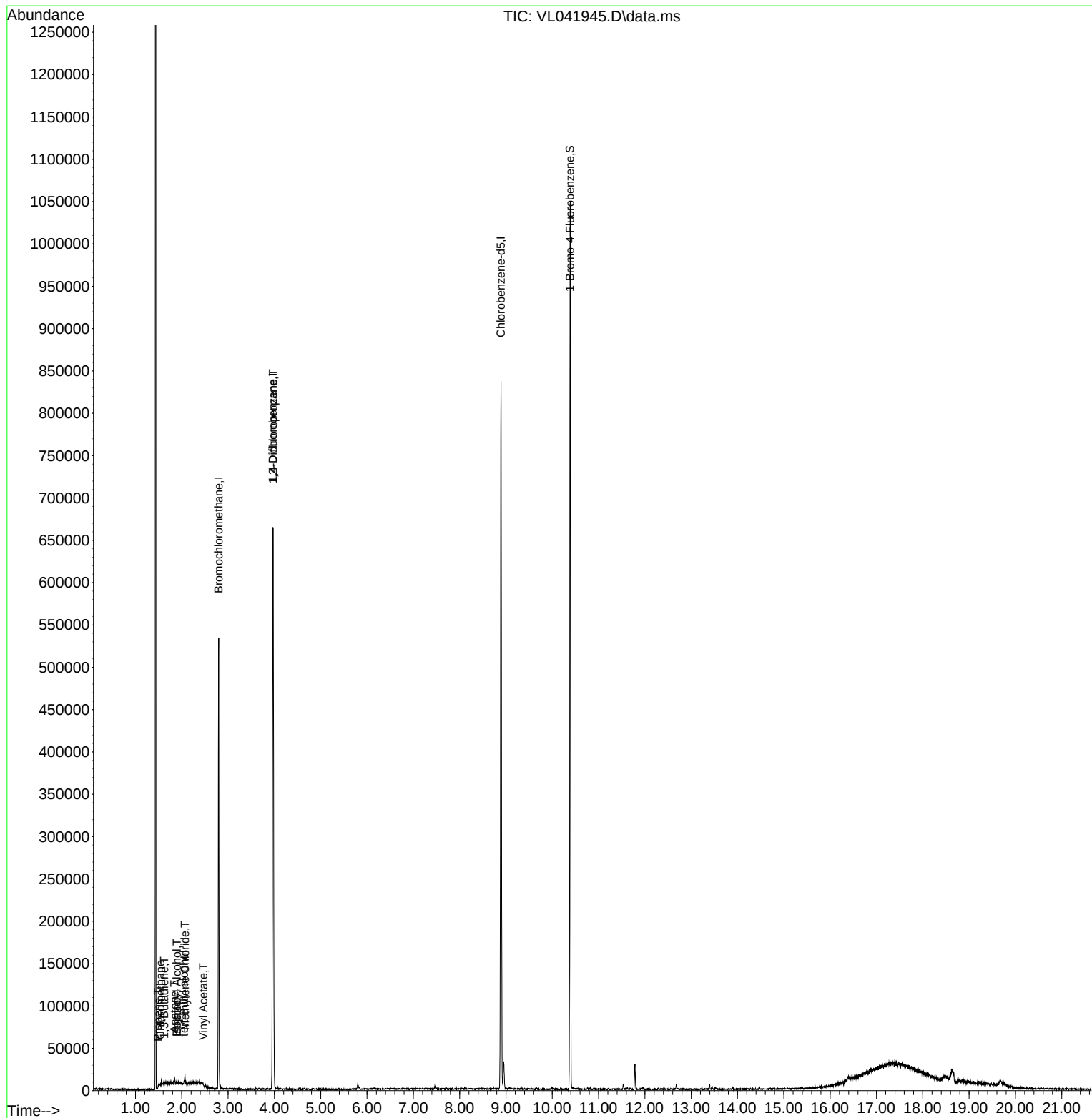
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.797  | 49    | 148041   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.968  | 114   | 410834   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.891  | 117   | 349106   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.384 | 95    | 264022   | 9.602    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.000%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Chloromethane            | 1.538  | 50    | 290      | 0.038    | ppbv # | 83       |
| 9) Propene                  | 1.489  | 41    | 483      | 0.056    | ppbv   | 84       |
| 13) Ethanol                 | 1.894  | 45    | 1538     | 2.413    | ppbv # | 31       |
| 15) Acetone                 | 1.842  | 43    | 3333     | 0.187    | ppbv   | 97       |
| 16) 1,3-Butadiene           | 1.619  | 39    | 365      | 0.046    | ppbv # | 44       |
| 17) tert-Butyl alcohol      | 2.049  | 59    | 1161     | 0.053    | ppbv # | 65       |
| 19) Isopropyl Alcohol       | 1.894  | 45    | 1538     | 0.146    | ppbv # | 41       |
| 20) Methylene Chloride      | 2.069  | 84    | 1179     | 0.168    | ppbv # | 78       |
| 23) Vinyl Acetate           | 2.467  | 43    | 385      | 0.044    | ppbv # | 1        |
| 39) 1,2-Dichloropropane     | 3.972  | 63    | 99671    | 7.541    | ppbv # | 22       |
| -----                       |        |       |          |          |        |          |

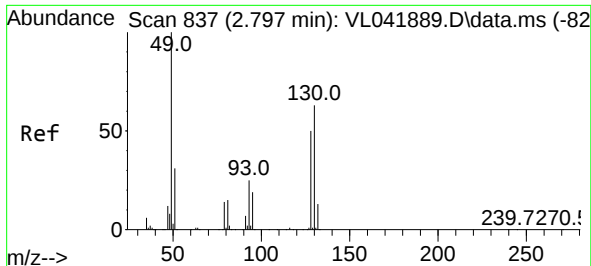
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012725\  
Data File : VL041945.D  
Acq On : 27 Jan 2025 10:47  
Operator : SY/MD  
Sample : VL0127ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Jan 28 02:33:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Jan 14 23:15:42 2025  
Response via : Initial Calibration

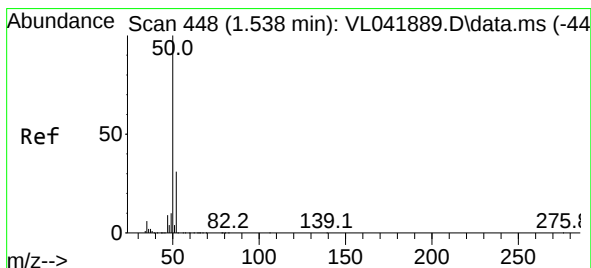
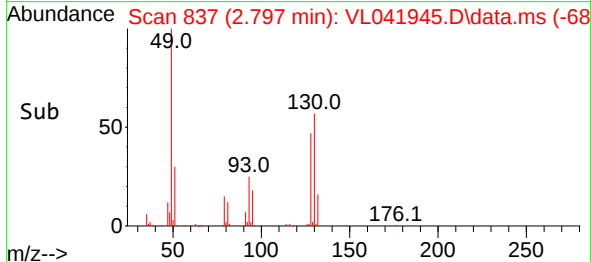
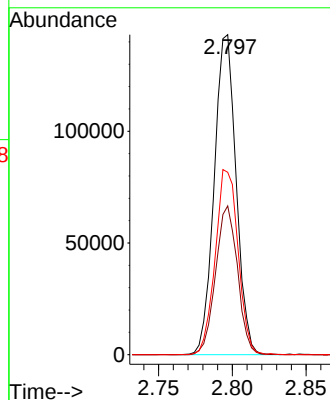
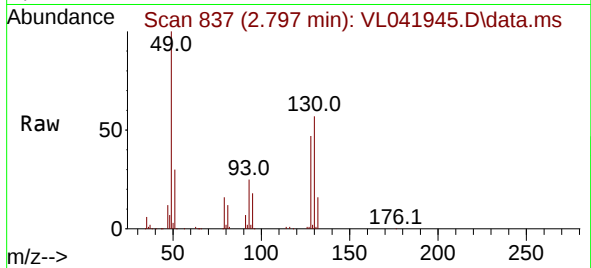




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.797 min Scan# 837  
Delta R.T. -0.000 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

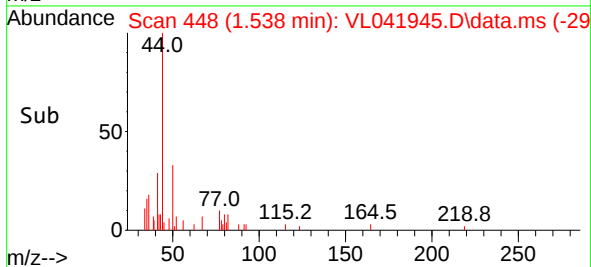
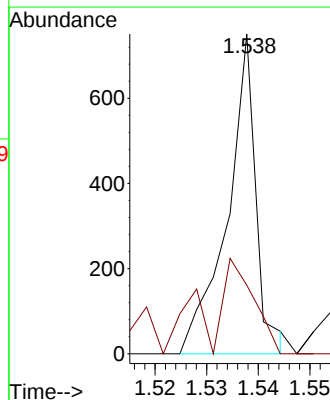
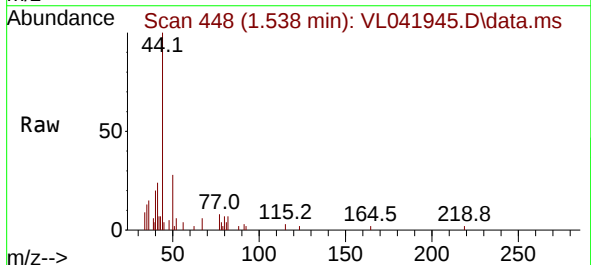
Instrument :  
MSVOA\_L  
ClientSampleId :

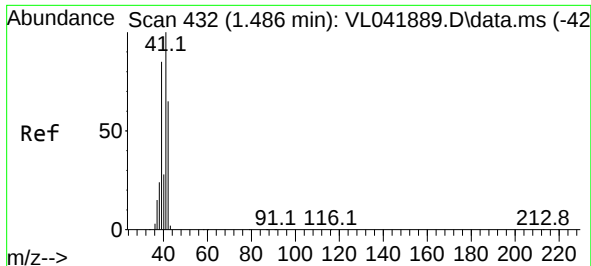
Tgt Ion: 49 Resp: 148041  
Ion Ratio Lower Upper  
49 100  
128 46.5 24.3 73.0  
130 60.4 31.1 93.2



#4  
Chloromethane  
Concen: 0.038 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

Tgt Ion: 50 Resp: 290  
Ion Ratio Lower Upper  
50 100  
52 21.4 24.6 36.8#





#9

Propene

Concen: 0.056 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041945.D

Acq: 27 Jan 2025 10:47

Instrument :

MSVOA\_L

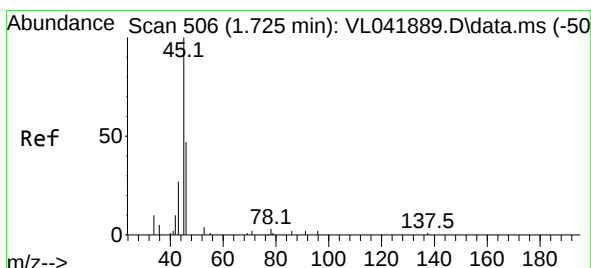
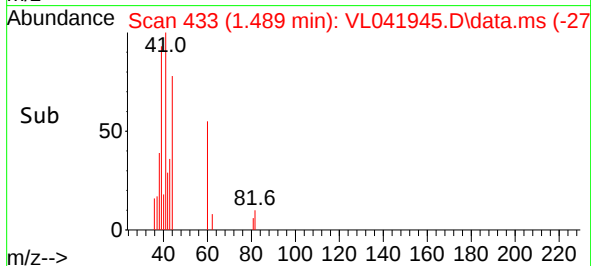
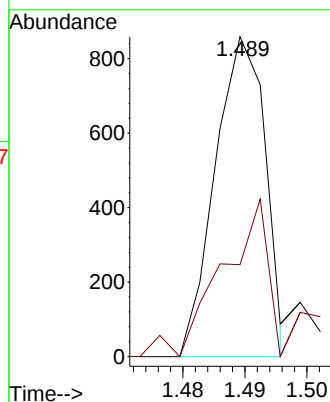
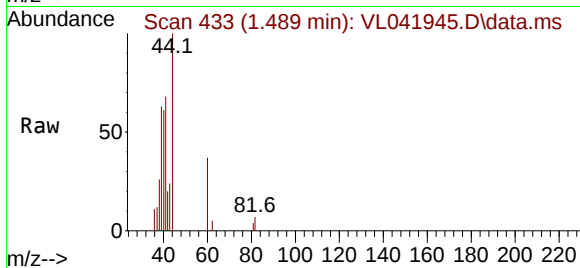
ClientSampleId :

Tgt Ion: 41 Resp: 483

Ion Ratio Lower Upper

41 100

42 77.4 52.0 78.0



#13

Ethanol

Concen: 2.413 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.168 min

Lab File: VL041945.D

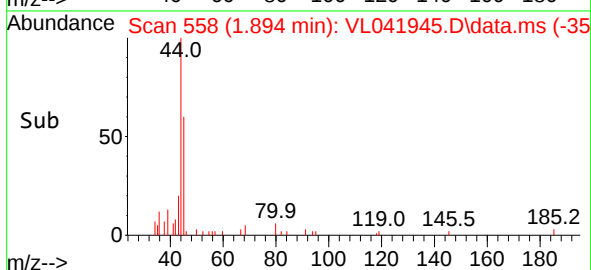
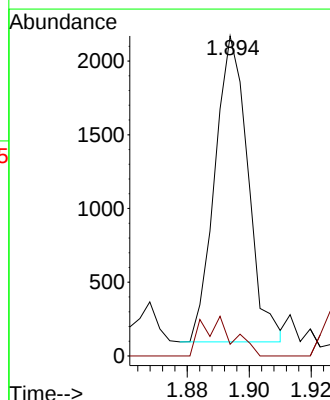
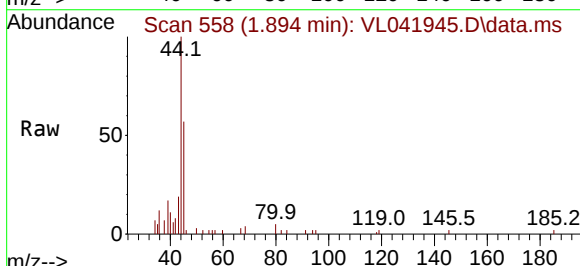
Acq: 27 Jan 2025 10:47

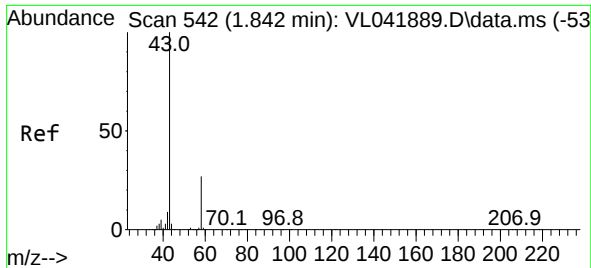
Tgt Ion: 45 Resp: 1538

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#

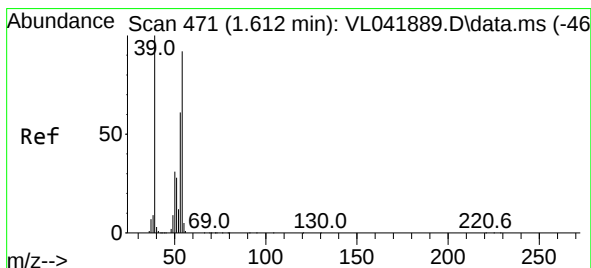
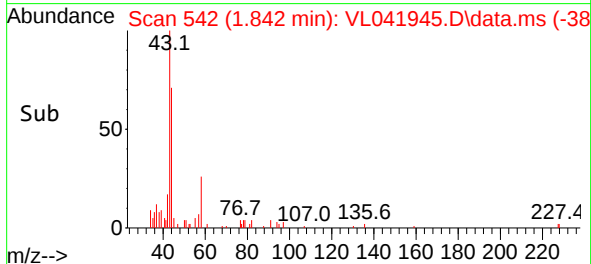
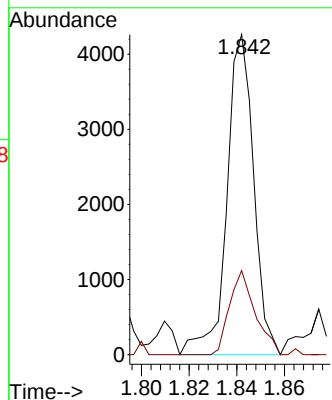
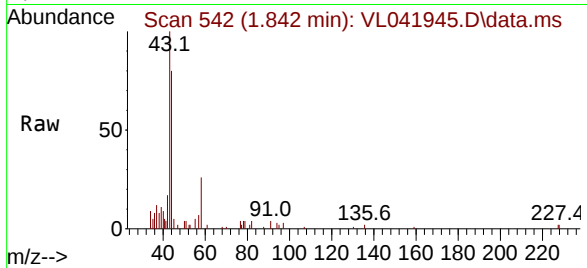




#15  
Acetone  
Concen: 0.187 ppbv  
RT: 1.842 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

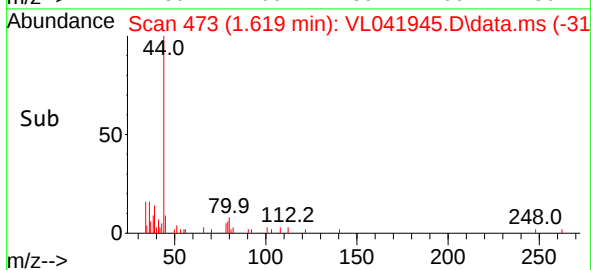
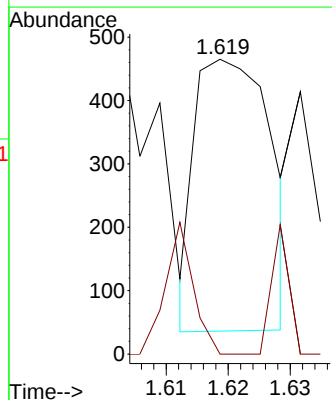
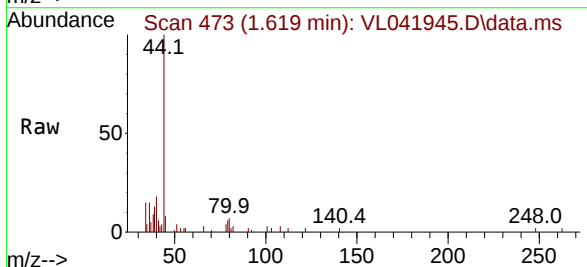
Instrument :  
MSVOA\_L  
ClientSampleId :

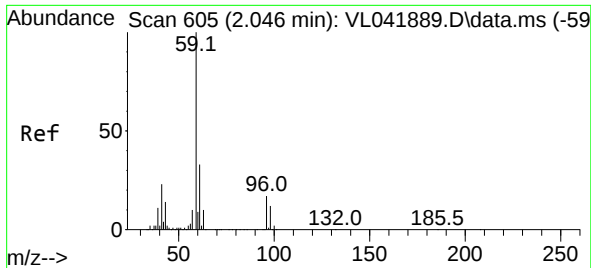
Tgt Ion: 43 Resp: 3333  
Ion Ratio Lower Upper  
43 100  
58 25.7 21.9 32.9



#16  
1,3-Butadiene  
Concen: 0.046 ppbv  
RT: 1.619 min Scan# 473  
Delta R.T. 0.007 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

Tgt Ion: 39 Resp: 365  
Ion Ratio Lower Upper  
39 100  
54 28.8 61.6 92.4#





#17

tert-Butyl alcohol

Concen: 0.053 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041945.D

Acq: 27 Jan 2025 10:47

Instrument :

MSVOA\_L

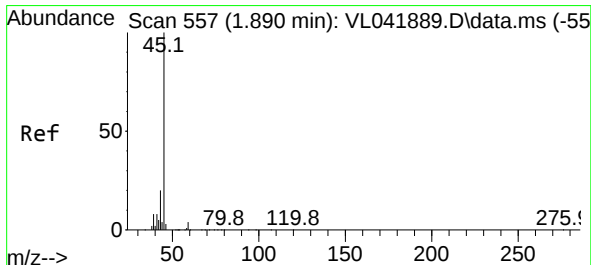
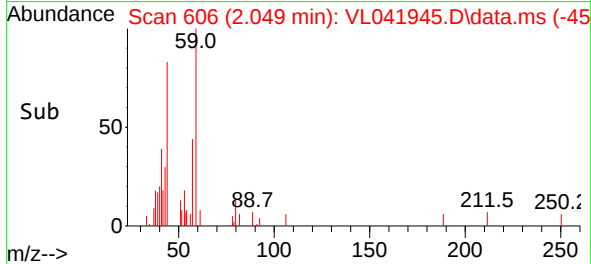
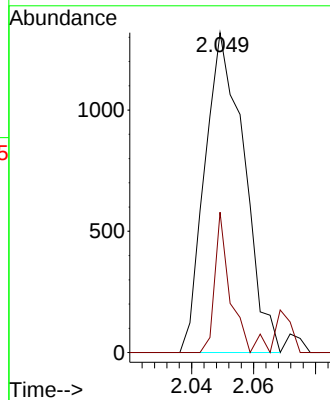
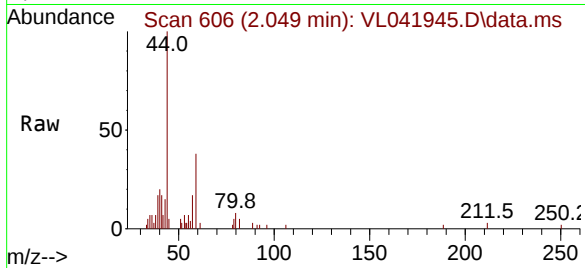
ClientSampleId :

Tgt Ion: 59 Resp: 1161

Ion Ratio Lower Upper

59 100

57 22.8 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 0.146 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.003 min

Lab File: VL041945.D

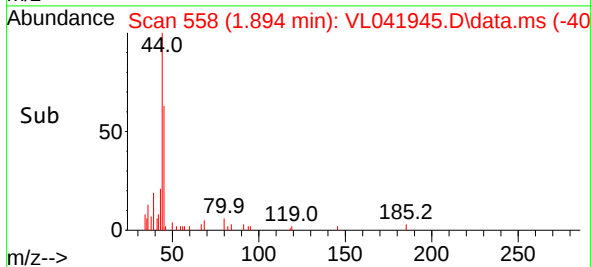
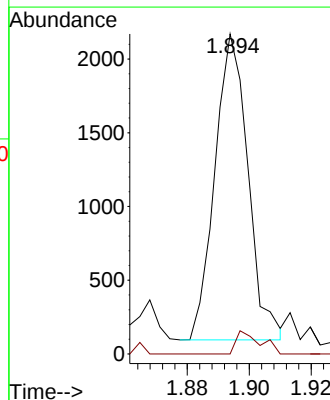
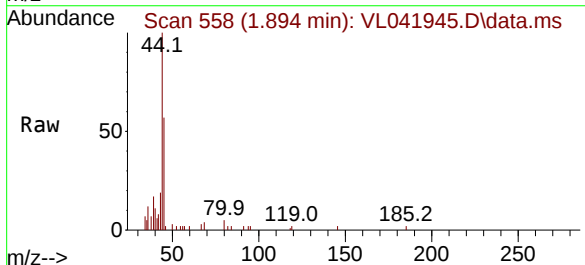
Acq: 27 Jan 2025 10:47

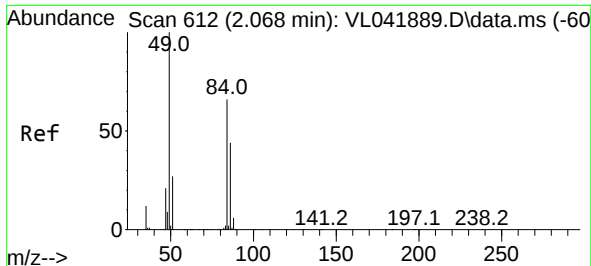
Tgt Ion: 45 Resp: 1538

Ion Ratio Lower Upper

45 100

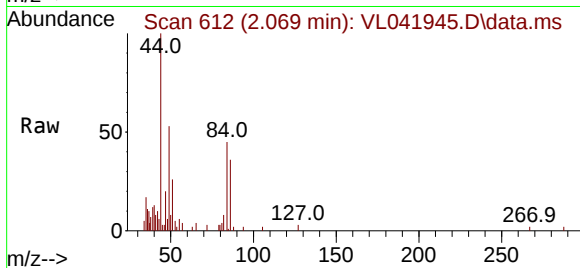
58 5.5 35.0 52.6#





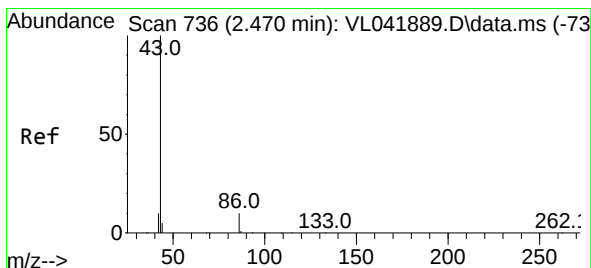
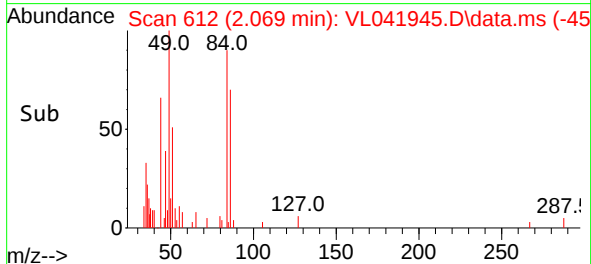
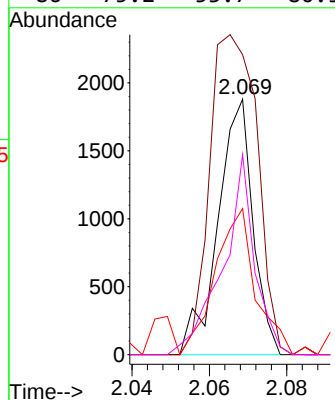
#20  
Methylene Chloride  
Concen: 0.168 ppbv  
RT: 2.069 min Scan# 612  
Delta R.T. 0.000 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 84 Resp: 1179

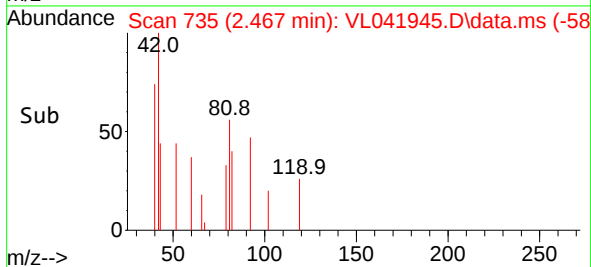
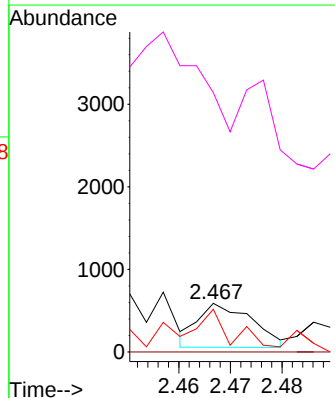
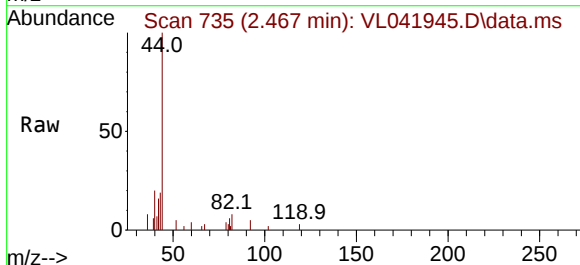
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 117.4 | 123.1 | 184.7# |
| 51  | 57.2  | 35.8  | 53.8#  |
| 86  | 75.2  | 53.7  | 80.5   |

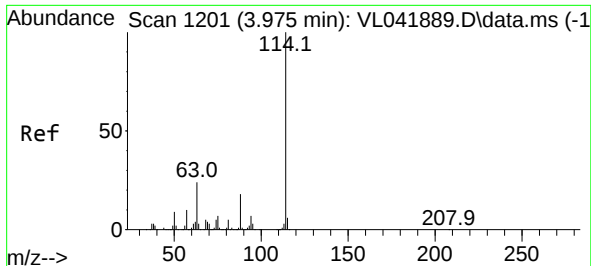


#23  
Vinyl Acetate  
Concen: 0.044 ppbv  
RT: 2.467 min Scan# 735  
Delta R.T. -0.003 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

Tgt Ion: 43 Resp: 385

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 0.0   | 6.2   | 9.4#  |
| 42  | 102.7 | 8.5   | 12.7# |
| 44  | 156.3 | 4.8   | 7.2#  |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1119

Delta R.T. -0.006 min

Lab File: VL041945.D

Acq: 27 Jan 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

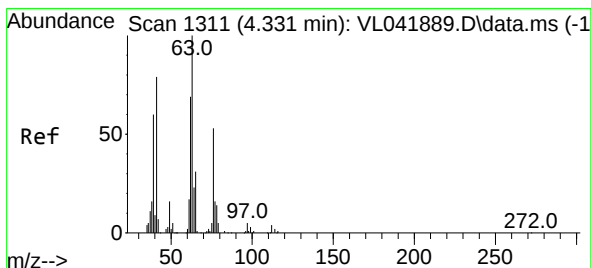
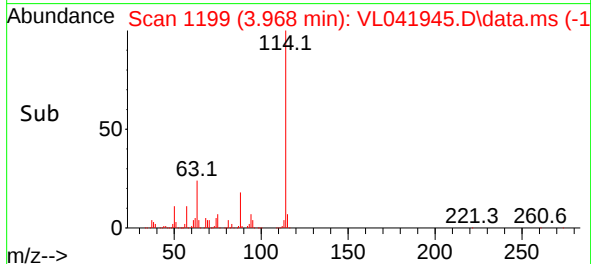
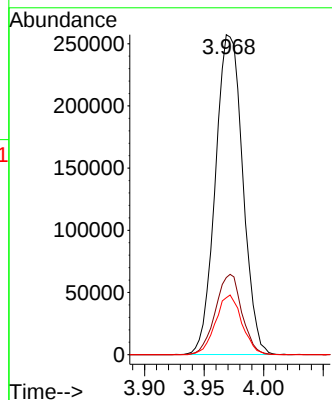
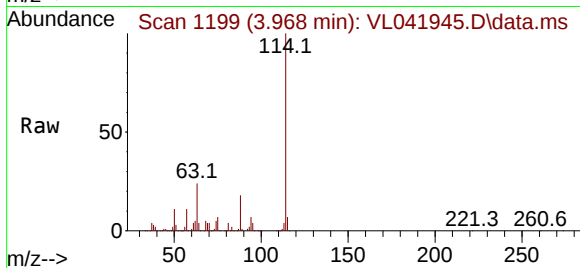
Tgt Ion:114 Resp: 410834

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

88 17.9 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.541 ppbv

RT: 3.972 min Scan# 1200

Delta R.T. -0.359 min

Lab File: VL041945.D

Acq: 27 Jan 2025 10:47

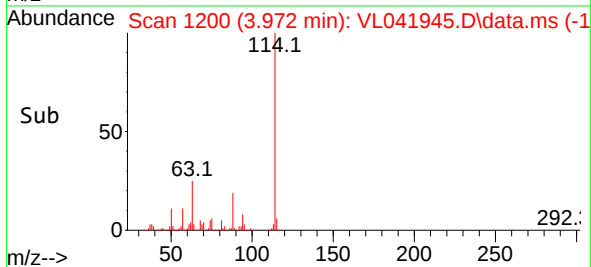
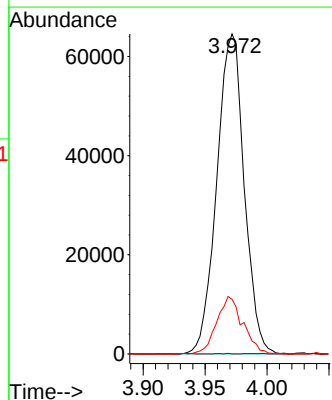
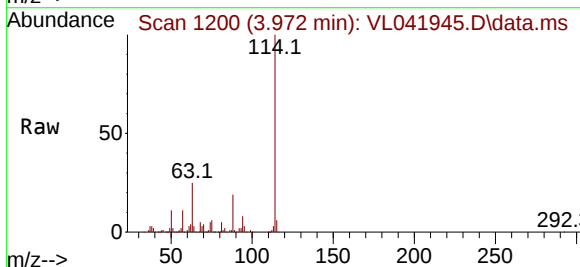
Tgt Ion: 63 Resp: 99671

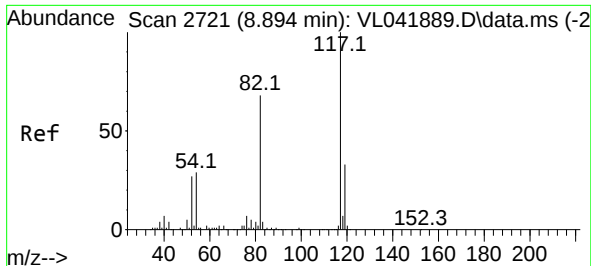
Ion Ratio Lower Upper

63 100

41 0.1 63.7 95.5#

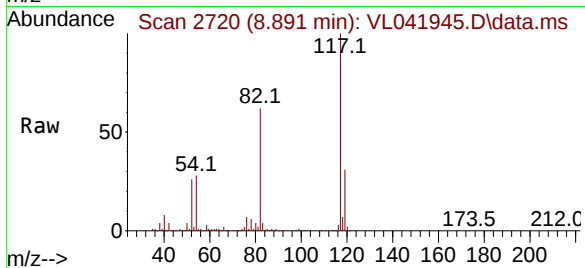
62 17.0 55.4 83.2#



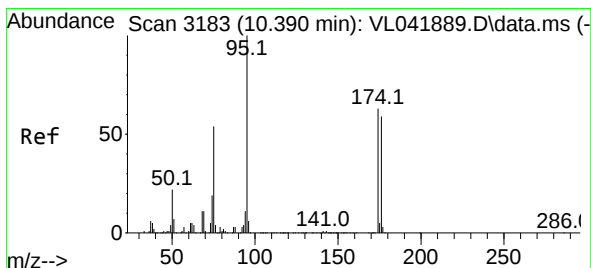
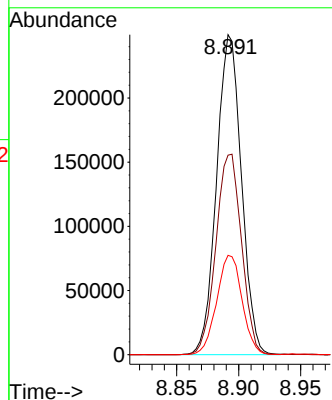
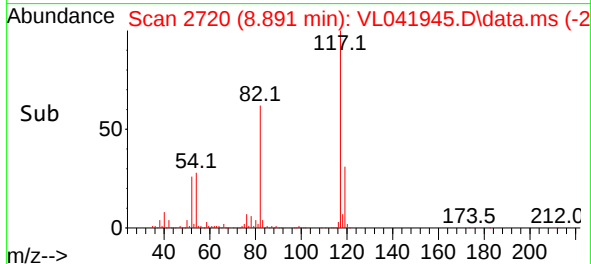


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47

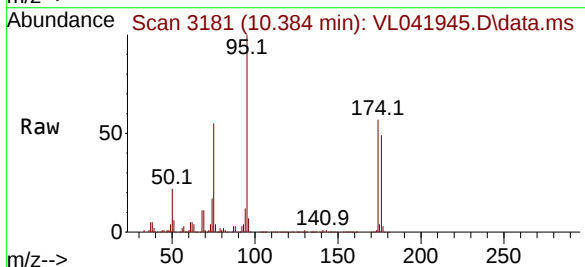
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion:117 Resp: 349106  
Ion Ratio Lower Upper  
117 100  
82 64.6 54.2 81.4  
119 31.7 25.0 37.6



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.602 ppbv  
RT: 10.384 min Scan# 3181  
Delta R.T. -0.006 min  
Lab File: VL041945.D  
Acq: 27 Jan 2025 10:47



Tgt Ion: 95 Resp: 264022  
Ion Ratio Lower Upper  
95 100  
174 59.7 49.0 73.4  
175 4.6 3.8 5.8

