

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072924\  
 Data File : VL041441.D  
 Acq On : 29 Jul 2024 23:09  
 Operator : SY/MD  
 Sample : P3342-06  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ACVI-IA-03DL

Quant Time: Jul 30 02:55:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jul 30 02:42:20 2024  
 Response via : Initial Calibration

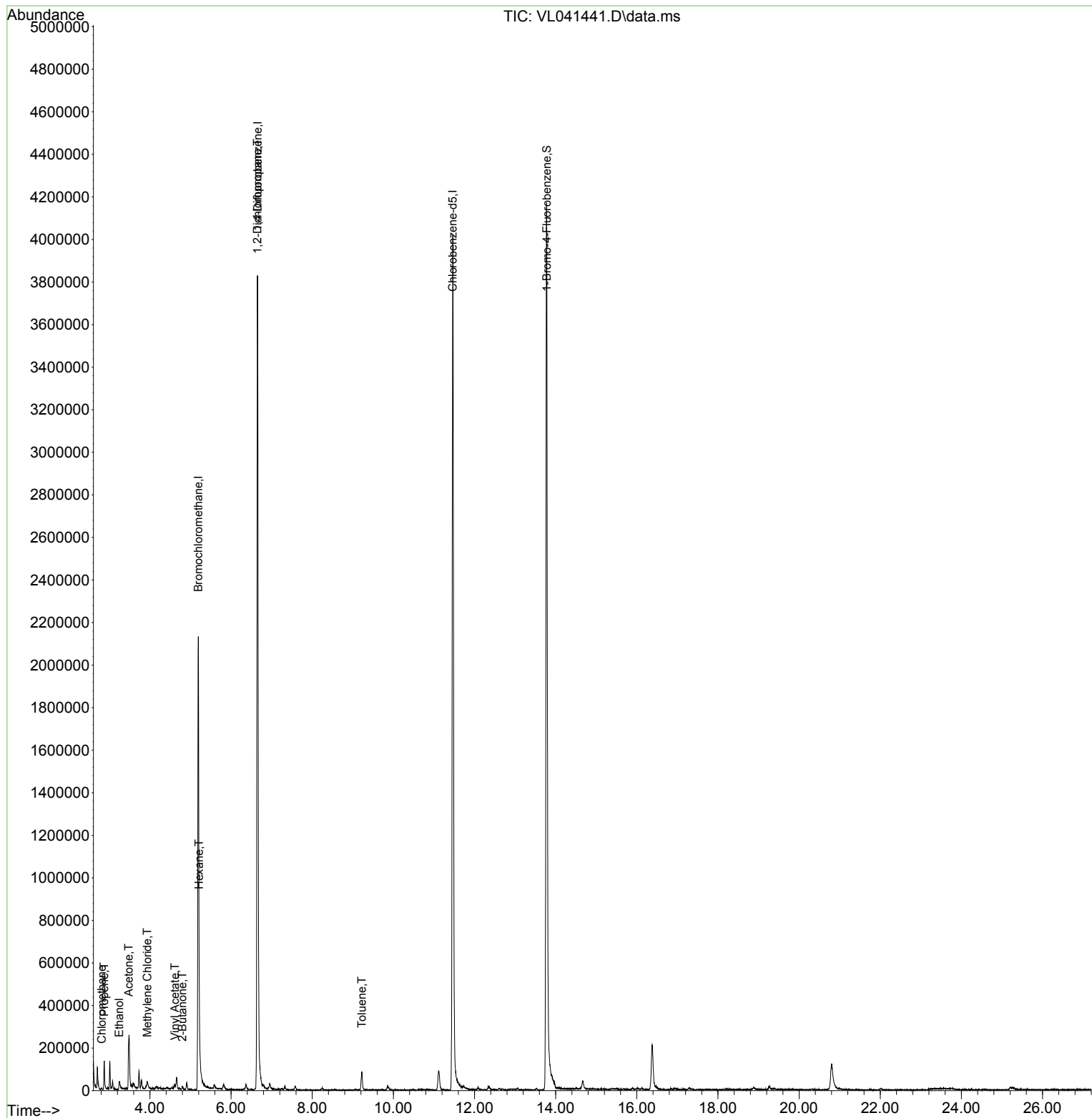
| Compound                    |  | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--|--------|-------|----------|----------|------------|----------|
| -----                       |  |        |       |          |          |            |          |
| Internal Standards          |  |        |       |          |          |            |          |
| 1) Bromochloromethane       |  | 5.192  | 49    | 1079235  | 10.000   | ppbv       | 0.01     |
| 33) 1,4-Difluorobenzene     |  | 6.652  | 114   | 2953842  | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5        |  | 11.465 | 117   | 2686404  | 10.000   | ppbv       | # 0.00   |
| System Monitoring Compounds |  |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene |  | 13.780 | 95    | 2066900  | 9.998    | ppbv       | 0.00     |
| Spiked Amount               |  | 10.000 | Range | 65 - 135 | Recovery | = 100.000% |          |
| Target Compounds            |  |        |       |          |          |            |          |
|                             |  |        |       |          |          |            | Qvalue   |
| 4) Chloromethane            |  | 2.816  | 50    | 3219     | 0.047    | ppbv       | # 77     |
| 9) Propene                  |  | 2.874  | 41    | 31147    | 0.528    | ppbv       | 86       |
| 13) Ethanol                 |  | 3.243  | 45    | 15528    | 2.944    | ppbv       | # 1      |
| 15) Acetone                 |  | 3.475  | 43    | 258873   | 2.111    | ppbv       | 94       |
| 20) Methylene Chloride      |  | 3.935  | 84    | 9571     | 0.209    | ppbv       | 96       |
| 23) Vinyl Acetate           |  | 4.616  | 43    | 4159     | 0.044    | ppbv       | # 1      |
| 26) Hexane                  |  | 5.211  | 57    | 17836    | 0.176    | ppbv       | # 54     |
| 34) 2-Butanone              |  | 4.800  | 43    | 18113    | 0.127    | ppbv       | 92       |
| 39) 1,2-Dichloropropane     |  | 6.648  | 63    | 733214   | 8.873    | ppbv       | # 25     |
| 53) Toluene                 |  | 9.224  | 91    | 30517    | 0.127    | ppbv       | # 20     |
| -----                       |  |        |       |          |          |            |          |

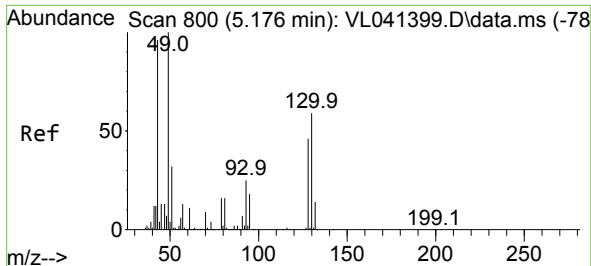
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072924\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
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QLast Update : Tue Jul 30 02:42:20 2024  
Response via : Initial Calibration

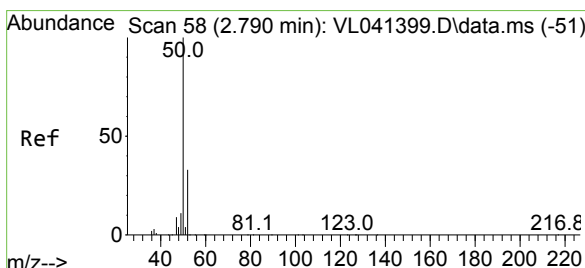
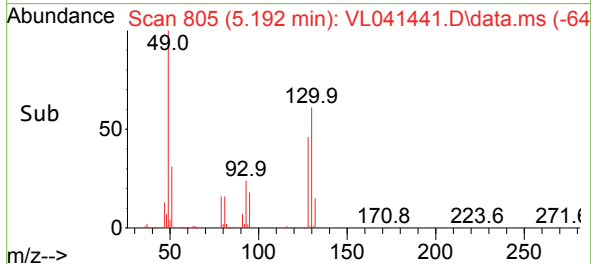
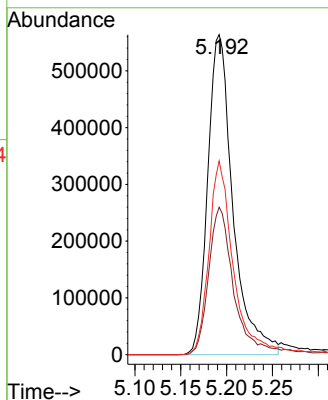
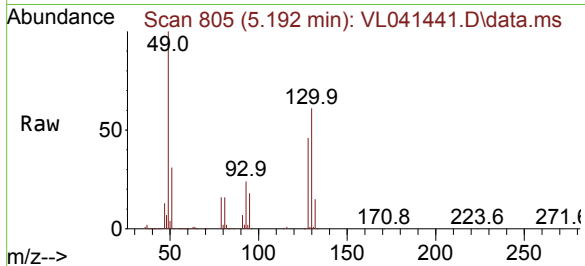




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.192 min Scan# 80  
 Delta R.T. 0.013 min  
 Lab File: VL041441.D  
 Acq: 29 Jul 2024 23:09

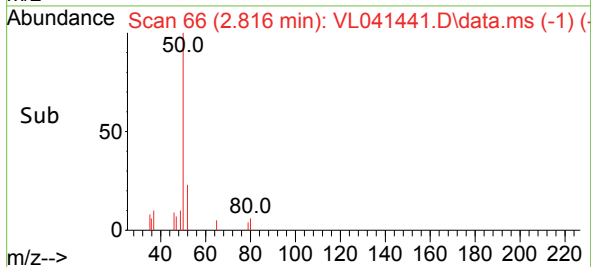
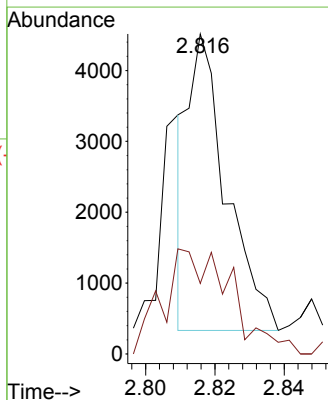
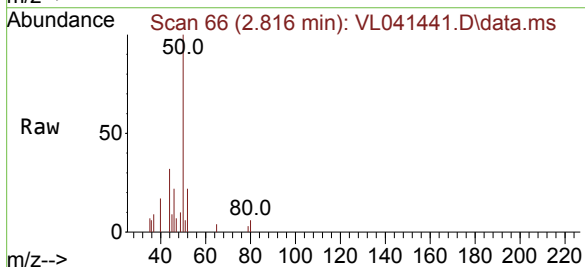
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ACVI-IA-03DL

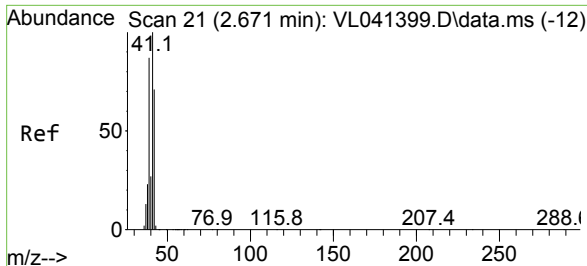
Tgt Ion: 49 Resp: 1079235  
 Ion Ratio Lower Upper  
 49 100  
 128 47.7 23.8 71.4  
 130 61.0 30.8 92.4



#4  
 Chloromethane  
 Concen: 0.047 ppbv  
 RT: 2.816 min Scan# 66  
 Delta R.T. 0.023 min  
 Lab File: VL041441.D  
 Acq: 29 Jul 2024 23:09

Tgt Ion: 50 Resp: 3219  
 Ion Ratio Lower Upper  
 50 100  
 52 19.9 26.1 39.1#

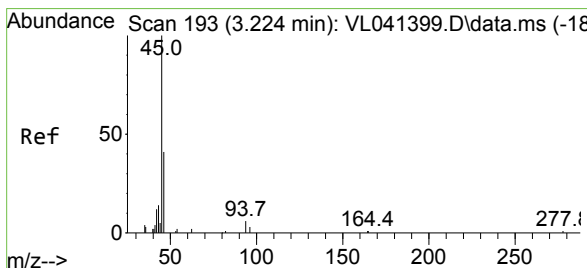
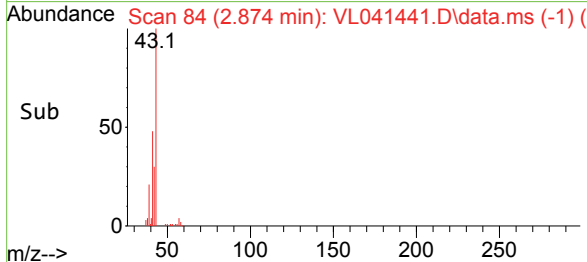
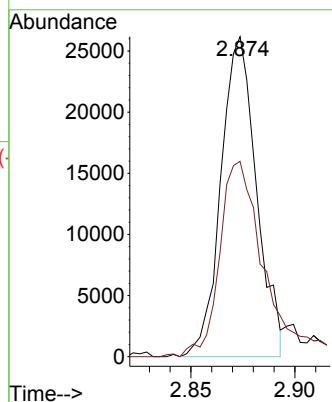
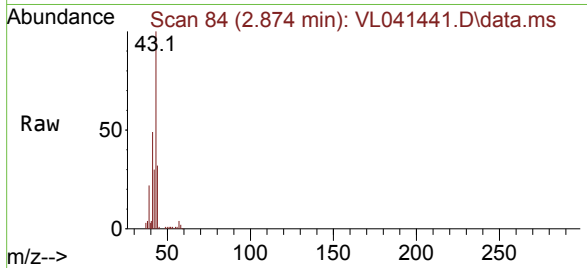




#9  
Propene  
Concen: 0.528 ppbv  
RT: 2.874 min Scan# 84  
Delta R.T. 0.203 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

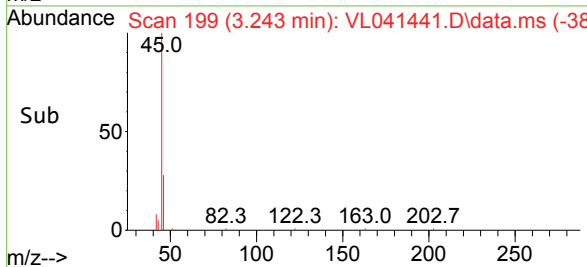
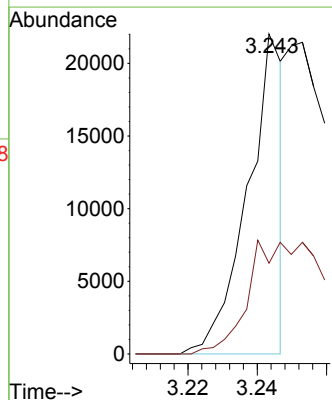
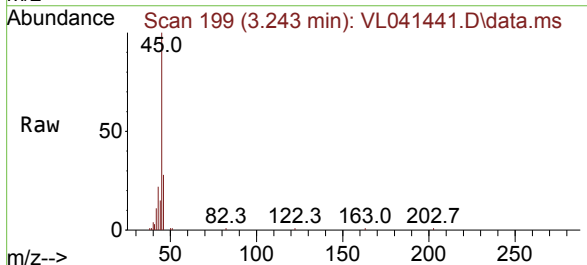
Instrument :  
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ClientSampleId :  
ACVI-IA-03DL

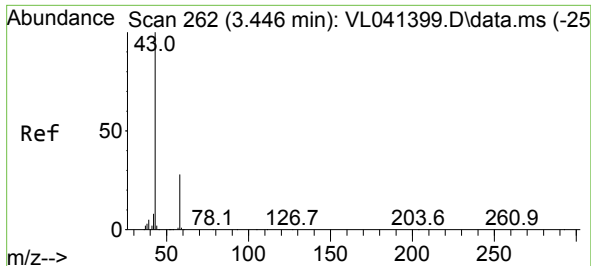
Tgt Ion: 41 Resp: 31147  
Ion Ratio Lower Upper  
41 100  
42 81.6 55.9 83.9



#13  
Ethanol  
Concen: 2.944 ppbv  
RT: 3.243 min Scan# 199  
Delta R.T. 0.016 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

Tgt Ion: 45 Resp: 15528  
Ion Ratio Lower Upper  
45 100  
46 124.1 13.4 53.4#

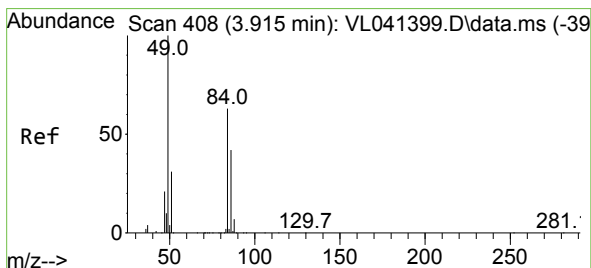
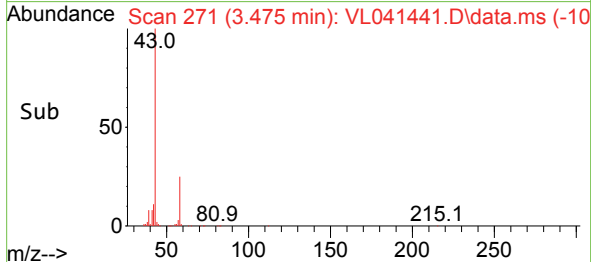
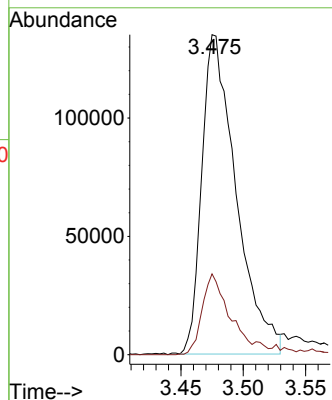
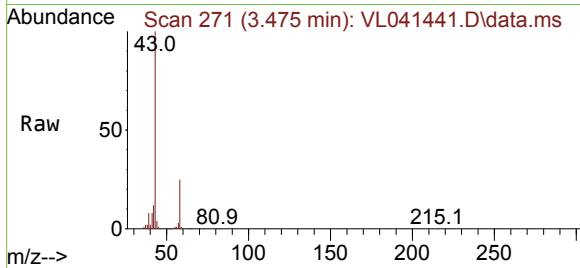




#15  
Acetone  
Concen: 2.111 ppbv  
RT: 3.475 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

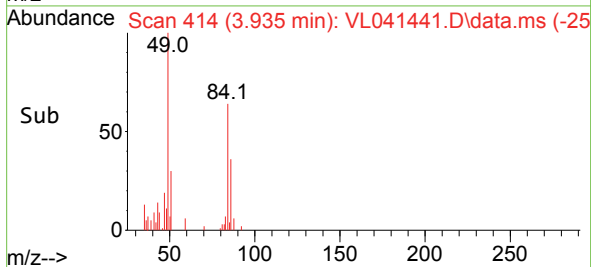
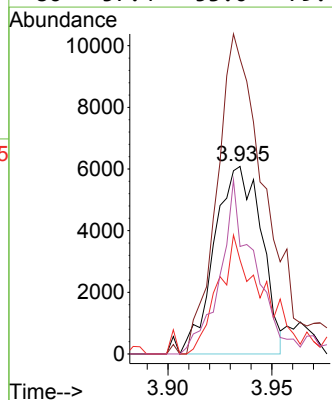
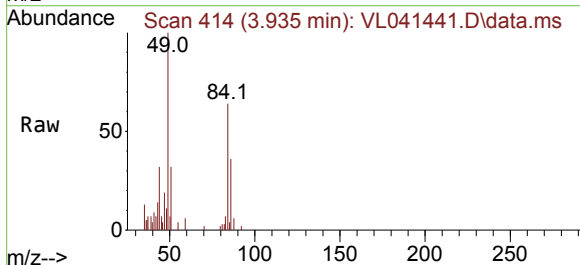
Instrument :  
MSVOA\_L  
ClientSampleId :  
ACVI-IA-03DL

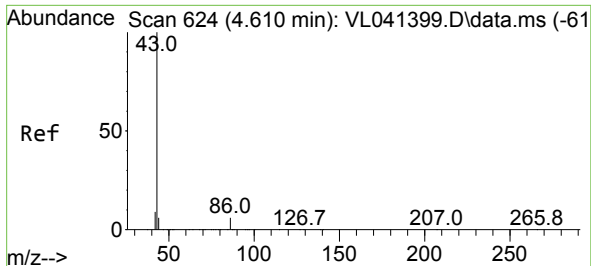
Tgt Ion: 43 Resp: 258873  
Ion Ratio Lower Upper  
43 100  
58 23.6 21.4 32.2



#20  
Methylene Chloride  
Concen: 0.209 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. 0.016 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

Tgt Ion: 84 Resp: 9571  
Ion Ratio Lower Upper  
84 100  
49 157.4 126.6 190.0  
51 50.1 38.6 58.0  
86 57.4 53.0 79.4

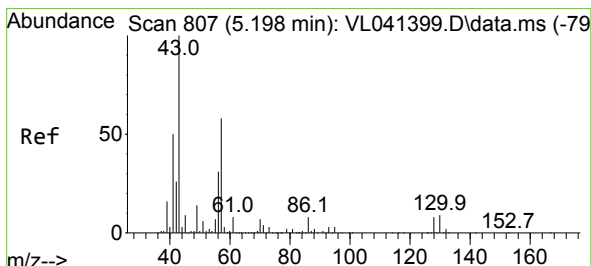
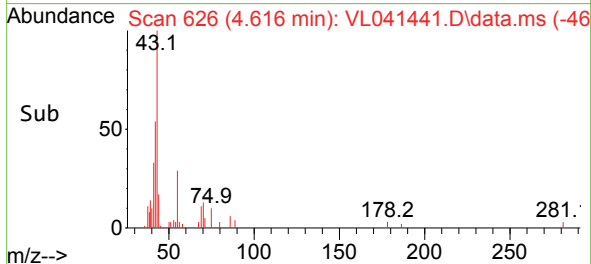
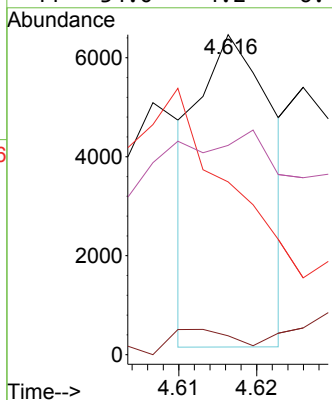
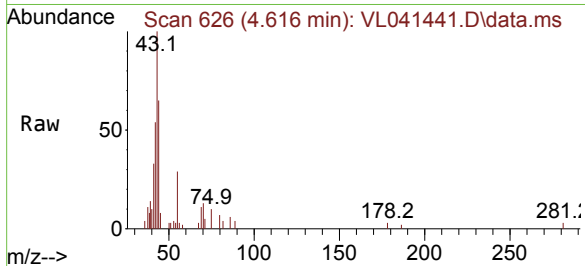




#23  
 Vinyl Acetate  
 Concen: 0.044 ppbv  
 RT: 4.616 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL041441.D  
 Acq: 29 Jul 2024 23:09

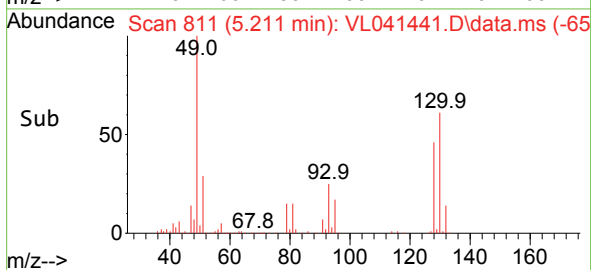
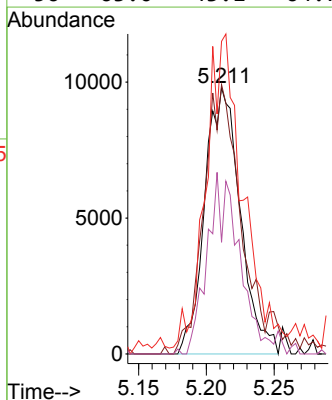
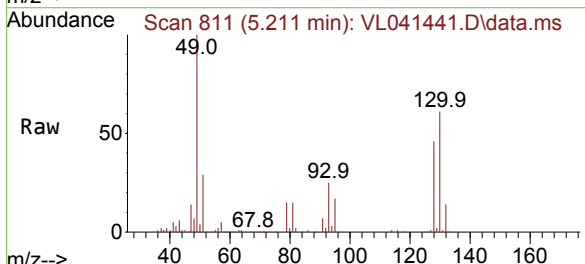
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ACVI-IA-03DL

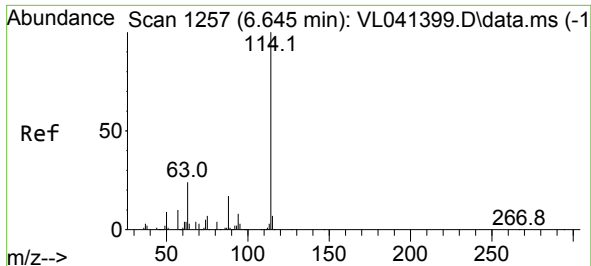
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4159  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 4.6   | 6.8#  |
| 42       | 67.2  | 7.9   | 11.9# |
| 44       | 34.0  | 4.2   | 6.4#  |



#26  
 Hexane  
 Concen: 0.176 ppbv  
 RT: 5.211 min Scan# 811  
 Delta R.T. 0.013 min  
 Lab File: VL041441.D  
 Acq: 29 Jul 2024 23:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 17836  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 110.1 | 74.0  | 111.0  |
| 43       | 133.4 | 193.6 | 290.4# |
| 56       | 63.0  | 43.1  | 64.7   |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041441.D

Acq: 29 Jul 2024 23:09

Instrument :

MSVOA\_L

ClientSampleId :

ACVI-IA-03DL

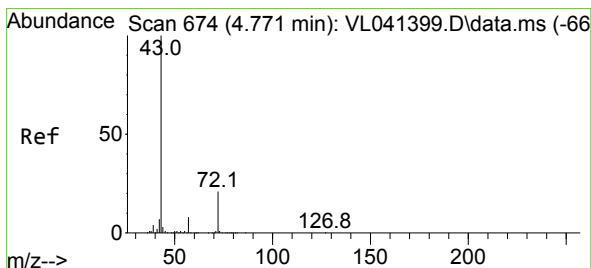
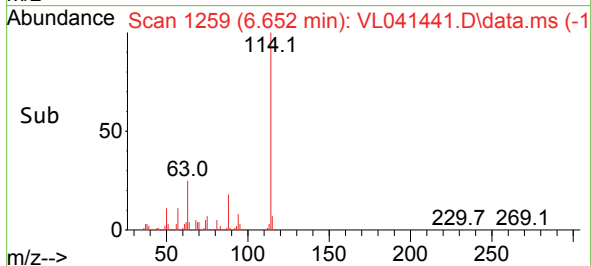
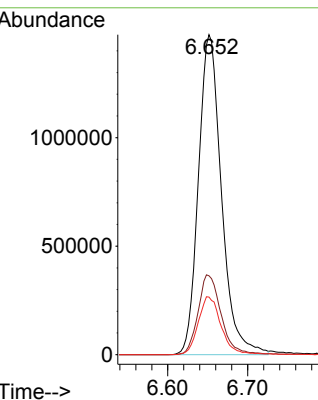
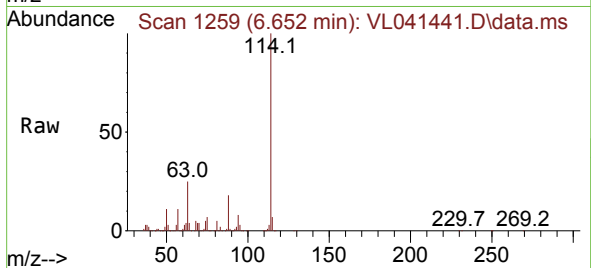
Tgt Ion:114 Resp: 2953842

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.127 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.026 min

Lab File: VL041441.D

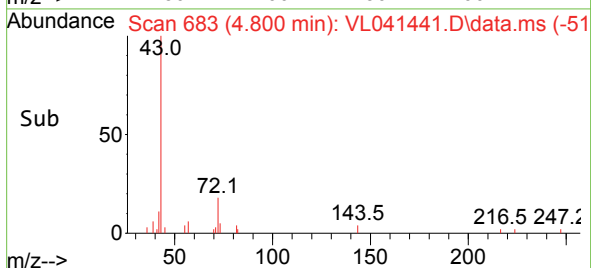
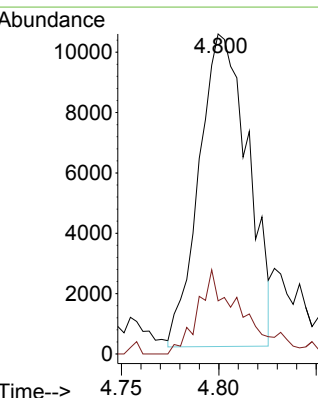
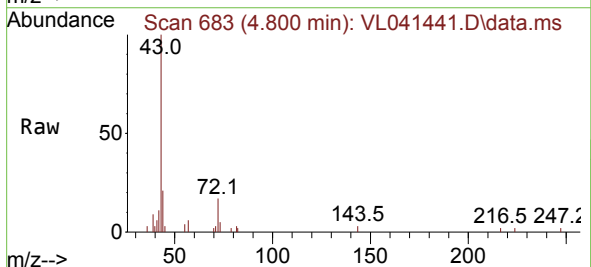
Acq: 29 Jul 2024 23:09

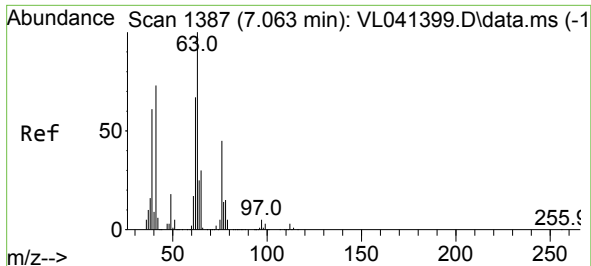
Tgt Ion: 43 Resp: 18113

Ion Ratio Lower Upper

43 100

72 25.6 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.873 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041441.D

Acq: 29 Jul 2024 23:09

Instrument :

MSVOA\_L

ClientSampleId :

ACVI-IA-03DL

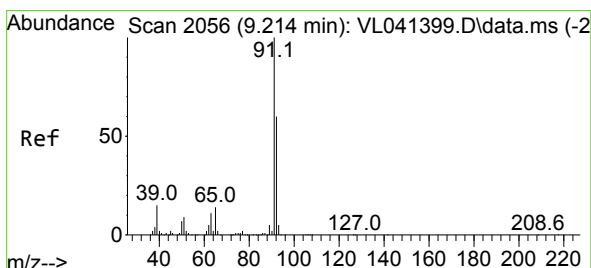
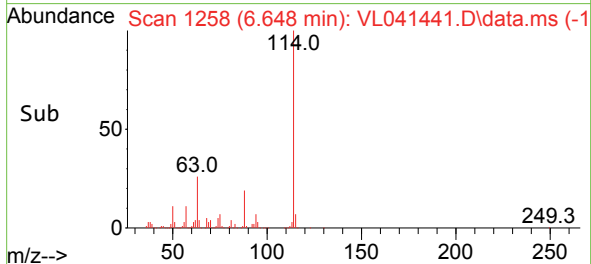
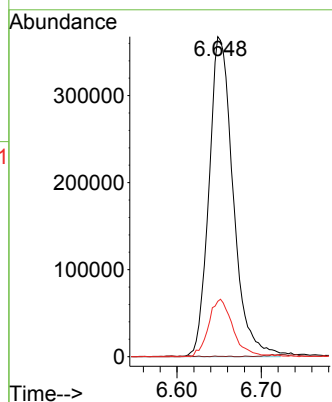
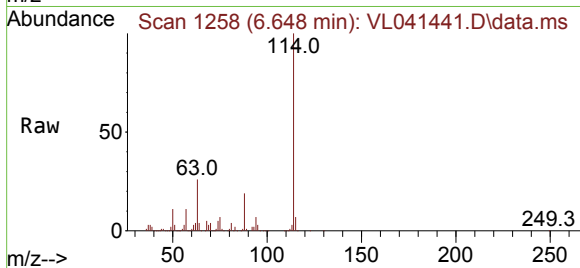
Tgt Ion: 63 Resp: 733214

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.3 53.9 80.9#



#53

Toluene

Concen: 0.127 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.007 min

Lab File: VL041441.D

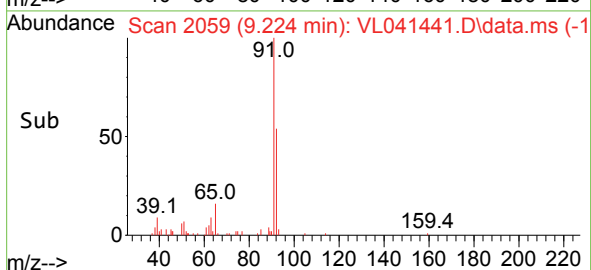
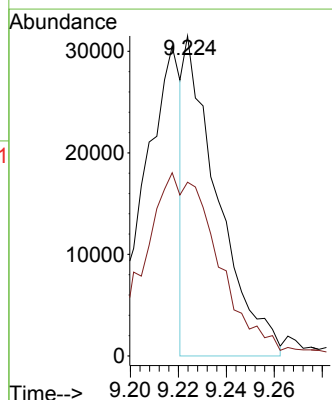
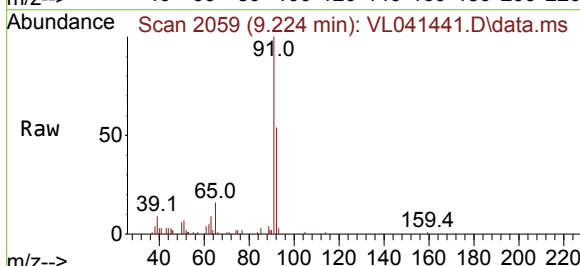
Acq: 29 Jul 2024 23:09

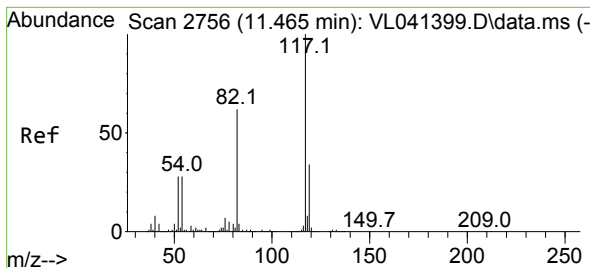
Tgt Ion: 91 Resp: 30517

Ion Ratio Lower Upper

91 100

92 0.0 48.7 73.1#

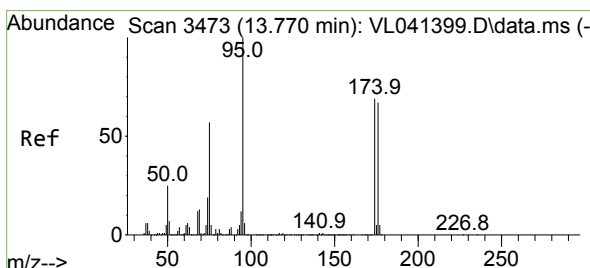
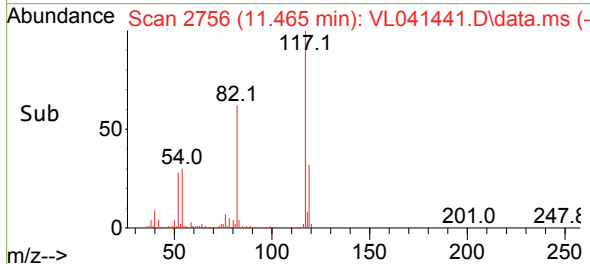
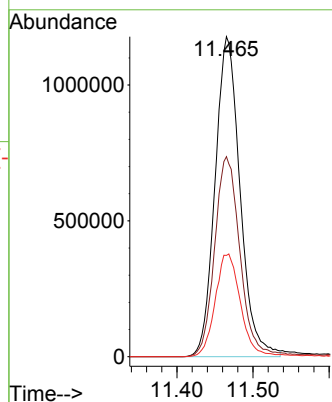
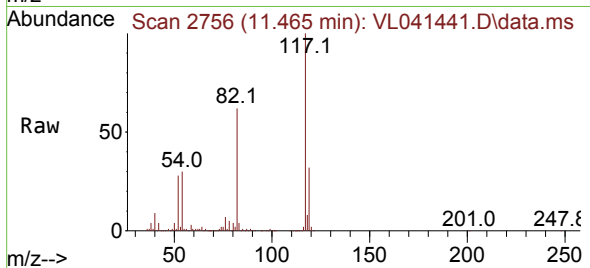




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

Instrument :  
MSVOA\_L  
ClientSampleId :  
ACVI-IA-03DL

Tgt Ion:117 Resp: 2686404  
Ion Ratio Lower Upper  
117 100  
82 64.9 51.0 76.6  
119 33.4 45.2 67.8#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.998 ppbv  
RT: 13.780 min Scan# 3476  
Delta R.T. 0.007 min  
Lab File: VL041441.D  
Acq: 29 Jul 2024 23:09

Tgt Ion: 95 Resp: 2066900  
Ion Ratio Lower Upper  
95 100  
174 72.8 56.3 84.5  
175 5.1 4.0 6.0

