

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100825\  
 Data File : VL043055.D  
 Acq On : 08 Oct 2025 09:39  
 Operator : SY/MD  
 Sample : VL1008ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1008ABL01

Quant Time: Oct 09 01:13:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Oct 03 08:23:34 2025  
 Response via : Initial Calibration

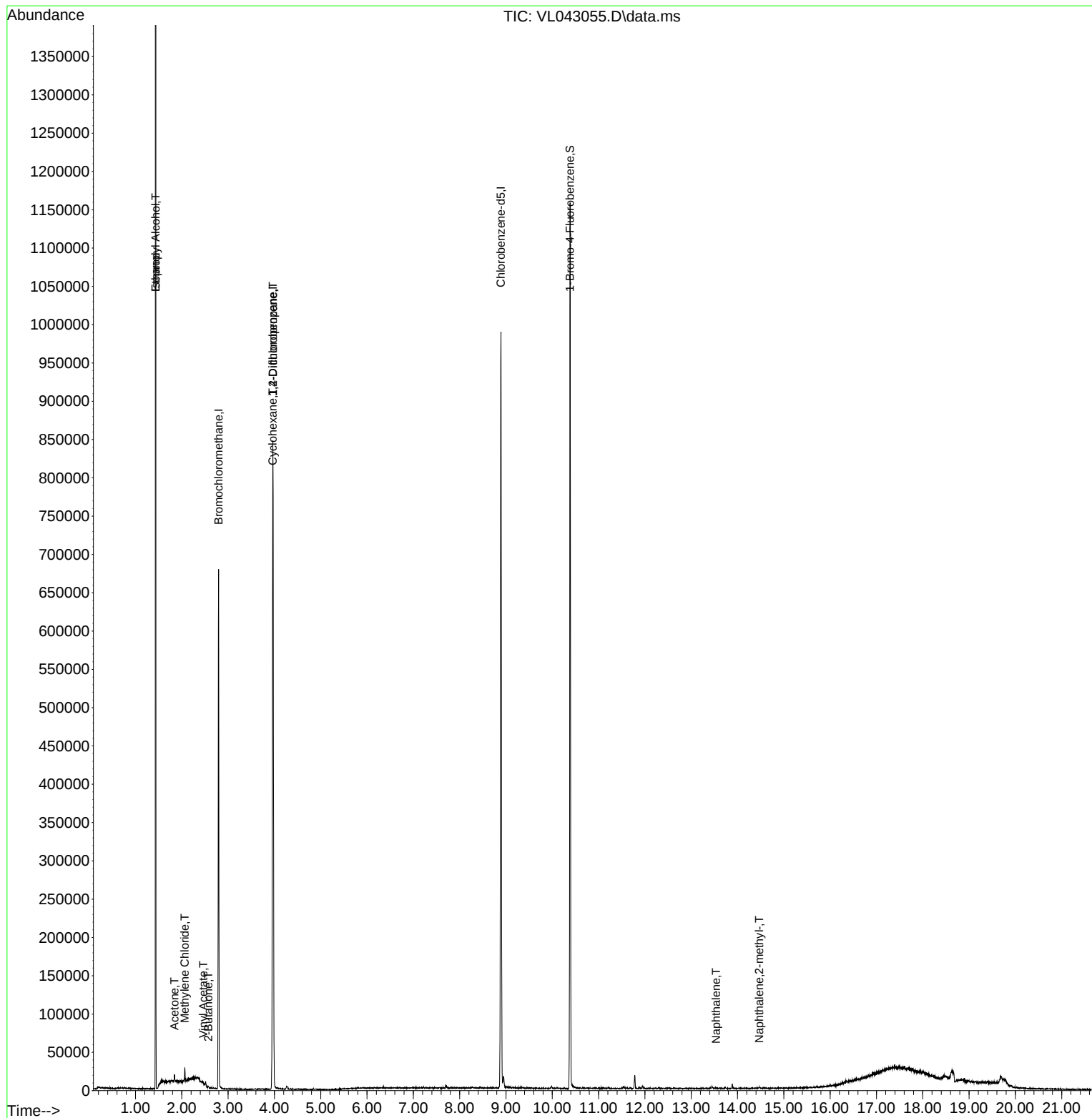
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.794  | 49    | 180991   | 10.000   | ppbv   | 0.02     |
| 33) 1,4-Difluorobenzene     | 3.965  | 114   | 491665   | 10.000   | ppbv   | 0.03     |
| 55) Chlorobenzene-d5        | 8.891  | 117   | 390940   | 10.000   | ppbv   | 0.03     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 266462   | 9.462    | ppbv   | 0.02     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 94.600%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.434  | 45    | 28617    | 65.100   | ppbv   | 87       |
| 15) Acetone                 | 1.839  | 43    | 4182     | 0.165    | ppbv # | 75       |
| 19) Isopropyl Alcohol       | 1.434  | 45    | 28617    | 2.357    | ppbv # | 26       |
| 20) Methylene Chloride      | 2.065  | 84    | 2751     | 0.249    | ppbv # | 91       |
| 23) Vinyl Acetate           | 2.467  | 43    | 262      | 0.049    | ppbv # | 1        |
| 30) Cyclohexane             | 3.962  | 84    | 2510     | 0.125    | ppbv # | 1        |
| 34) 2-Butanone              | 2.570  | 43    | 1303     | 0.039    | ppbv   | 100      |
| 39) 1,2-Dichloropropane     | 3.965  | 63    | 125565   | 7.211    | ppbv # | 22       |
| 79) Naphthalene             | 13.536 | 128   | 81       | 0.236    | ppbv # | 1        |
| 80) Naphthalene,2-methyl-   | 14.468 | 142   | 541      | 0.684    | ppbv # | 52       |
| -----                       |        |       |          |          |        |          |

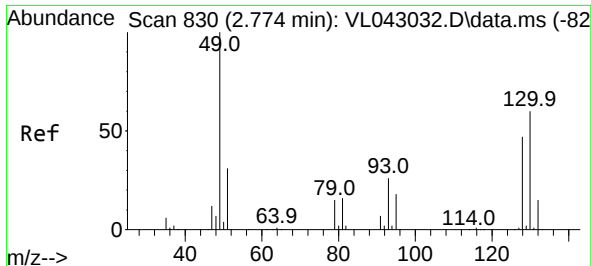
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100825\  
Data File : VL043055.D  
Acq On : 08 Oct 2025 09:39  
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Sample : VL1008ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1008ABL01

Quant Time: Oct 09 01:13:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Oct 03 08:23:34 2025  
Response via : Initial Calibration

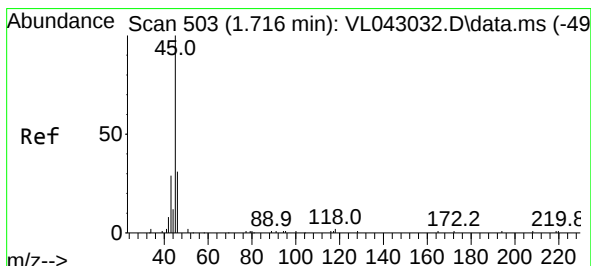
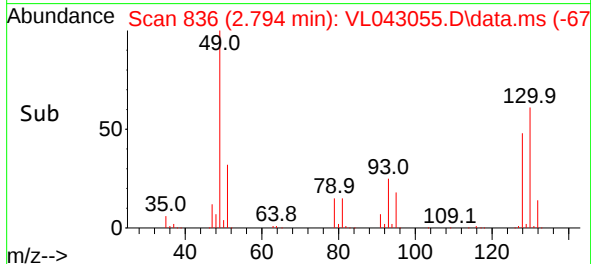
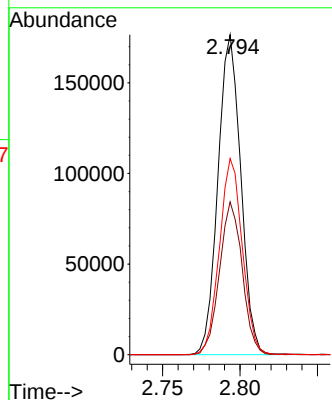
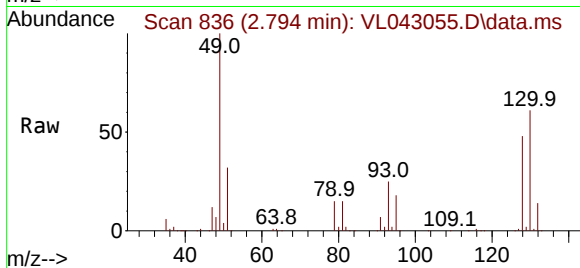




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.794 min Scan# 81  
Delta R.T. 0.020 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

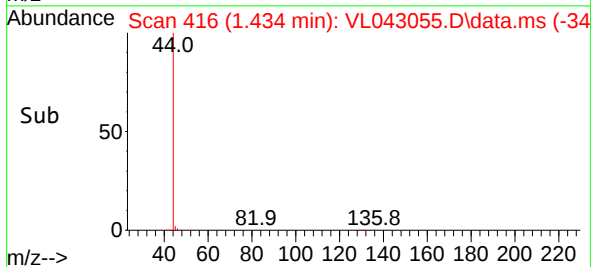
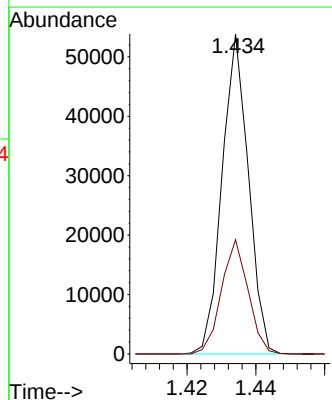
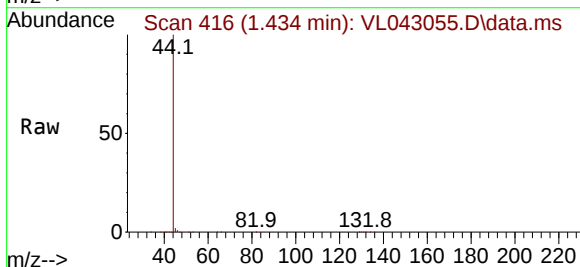
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ClientSampleId :  
VL1008ABL01

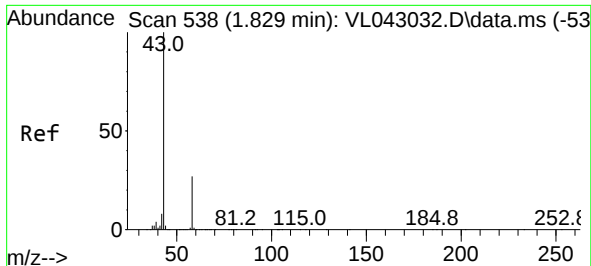
Tgt Ion: 49 Resp: 180991  
Ion Ratio Lower Upper  
49 100  
128 47.5 24.1 72.2  
130 61.6 31.4 94.3



#13  
Ethanol  
Concen: 65.100 ppbv  
RT: 1.434 min Scan# 416  
Delta R.T. -0.282 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 45 Resp: 28617  
Ion Ratio Lower Upper  
45 100  
46 36.3 17.8 71.4

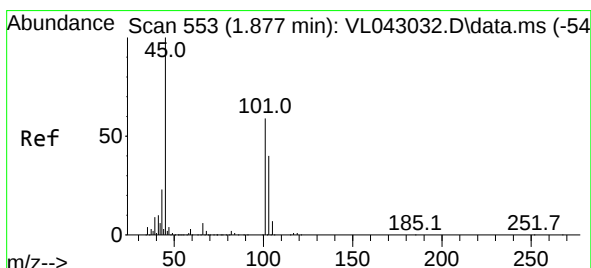
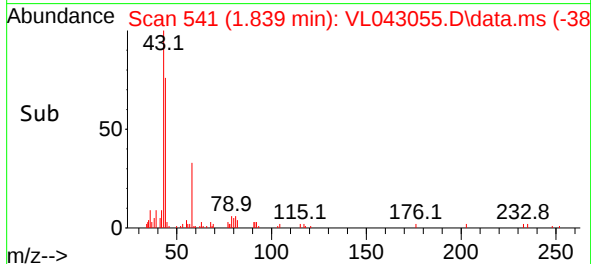
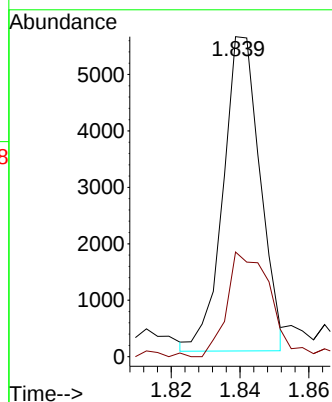
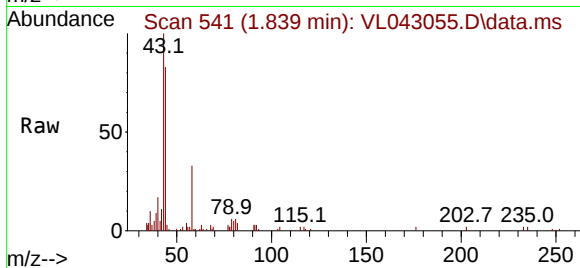




#15  
Acetone  
Concen: 0.165 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.010 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

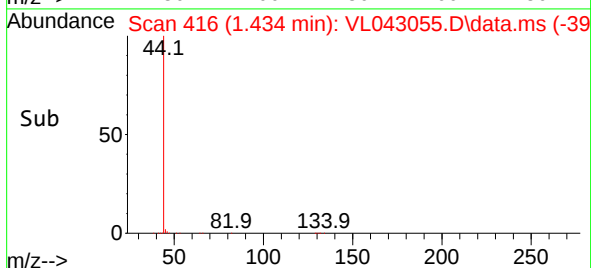
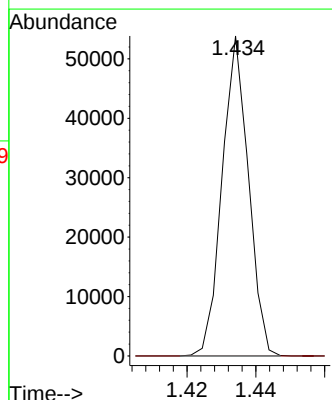
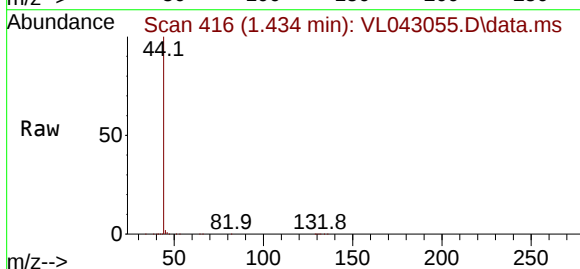
Instrument :  
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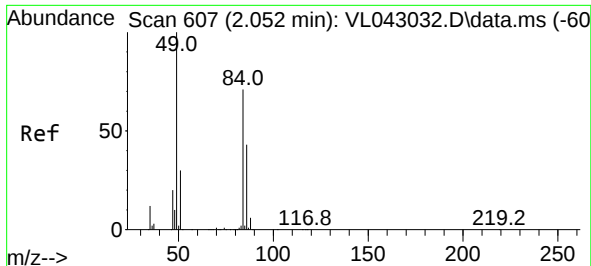
Tgt Ion: 43 Resp: 4182  
Ion Ratio Lower Upper  
43 100  
58 41.1 22.2 33.4#



#19  
Isopropyl Alcohol  
Concen: 2.357 ppbv  
RT: 1.434 min Scan# 416  
Delta R.T. -0.443 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 45 Resp: 28617  
Ion Ratio Lower Upper  
45 100  
58 0.2 42.3 63.5#

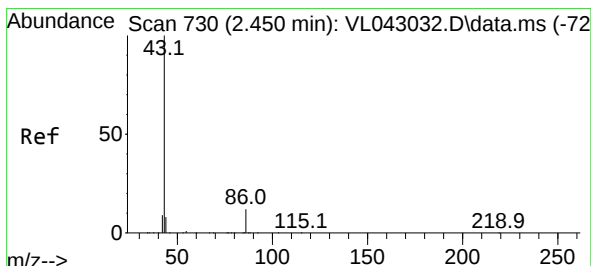
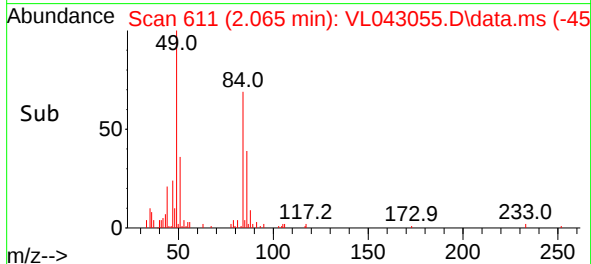
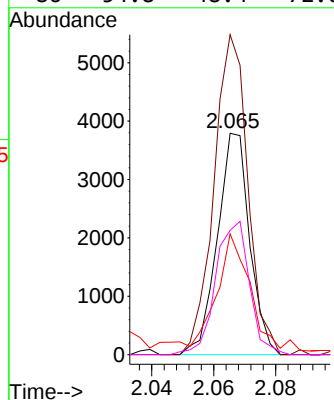
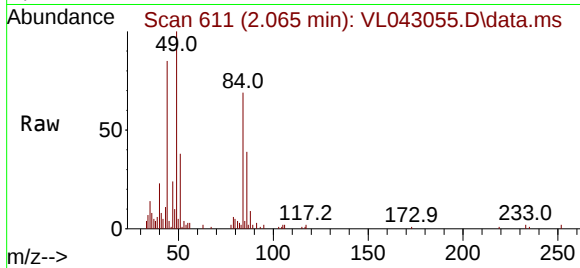




#20  
Methylene Chloride  
Concen: 0.249 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. 0.013 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

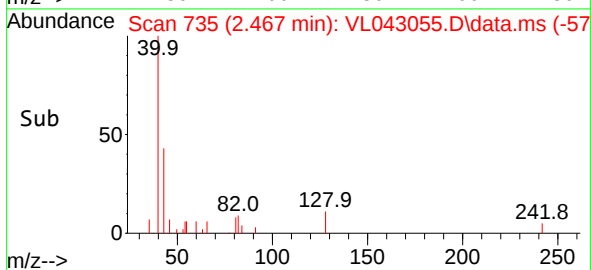
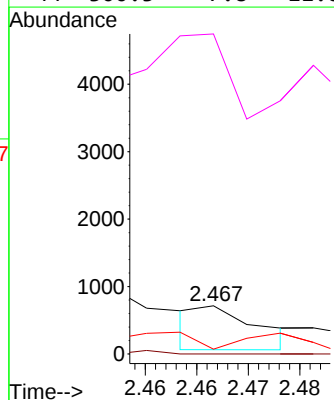
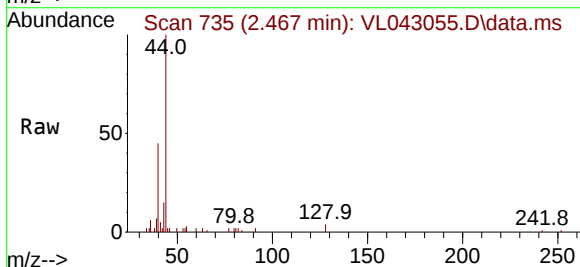
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1008ABL01

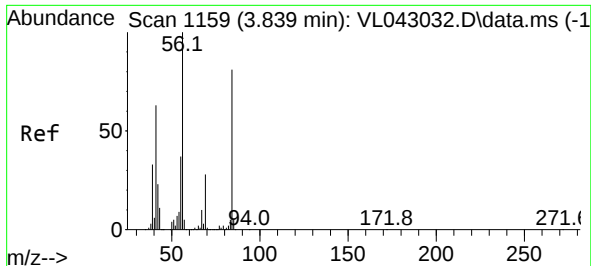
Tgt Ion: 84 Resp: 2751  
Ion Ratio Lower Upper  
84 100  
49 151.5 112.5 168.7  
51 51.6 34.2 51.2#  
86 54.8 48.4 72.6



#23  
Vinyl Acetate  
Concen: 0.049 ppbv  
RT: 2.467 min Scan# 735  
Delta R.T. 0.016 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 43 Resp: 262  
Ion Ratio Lower Upper  
43 100  
86 0.0 7.5 11.3#  
42 0.0 8.4 12.6#  
44 300.3 7.8 11.8#

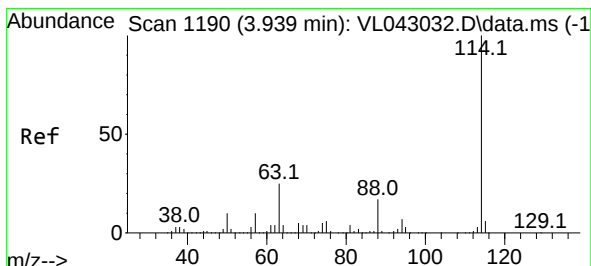
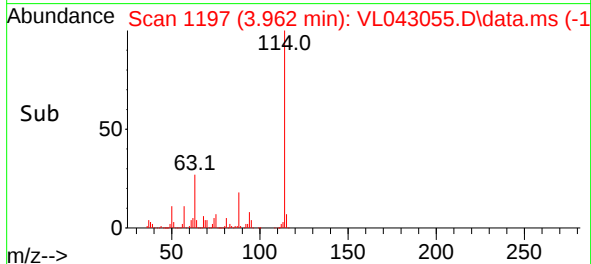
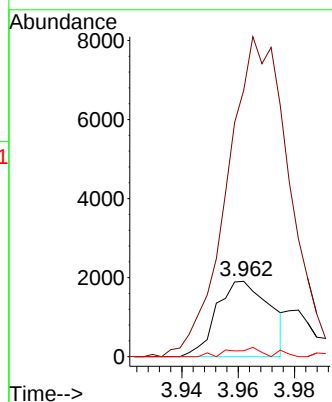
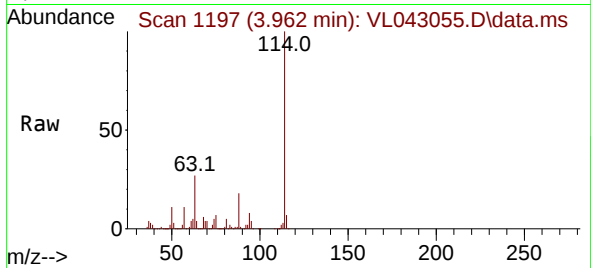




#30  
Cyclohexane  
Concen: 0.125 ppbv  
RT: 3.962 min Scan# 1159  
Delta R.T. 0.123 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

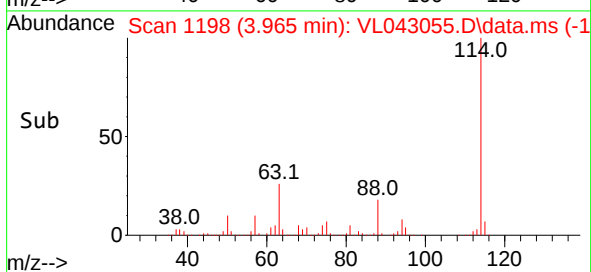
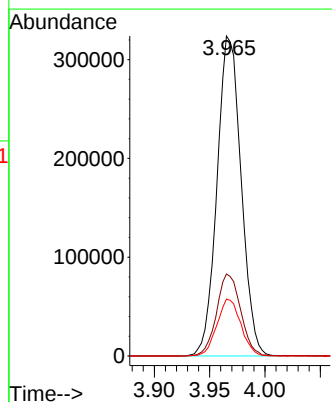
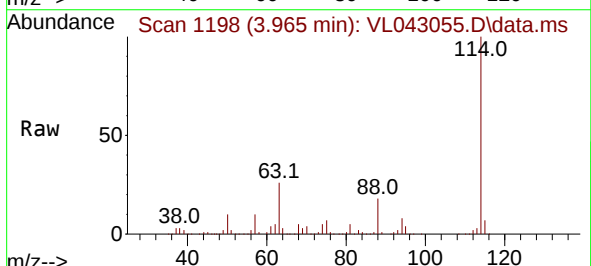
Instrument :  
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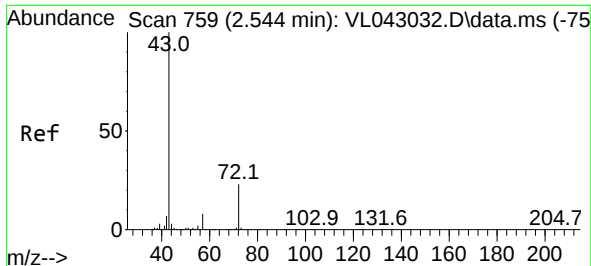
Tgt Ion: 84 Resp: 2510  
Ion Ratio Lower Upper  
84 100  
56 502.4 99.9 149.9#  
41 10.1 64.2 96.4#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.026 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 114 Resp: 491665  
Ion Ratio Lower Upper  
114 100  
63 25.6 19.4 29.2  
88 17.5 13.9 20.9

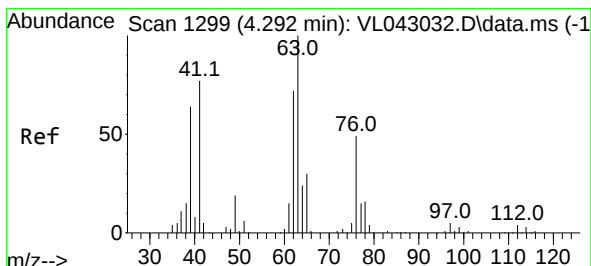
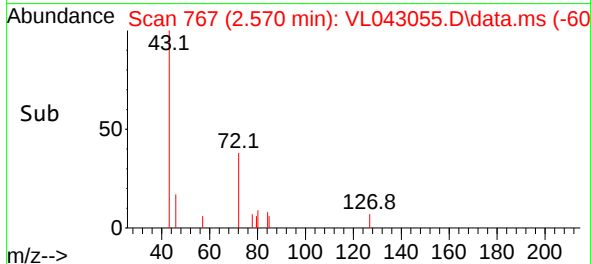
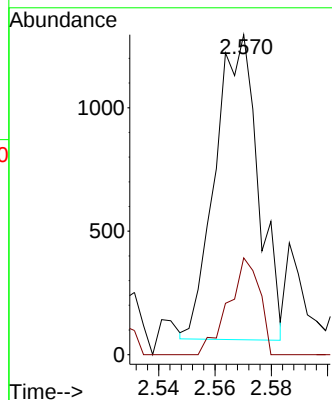
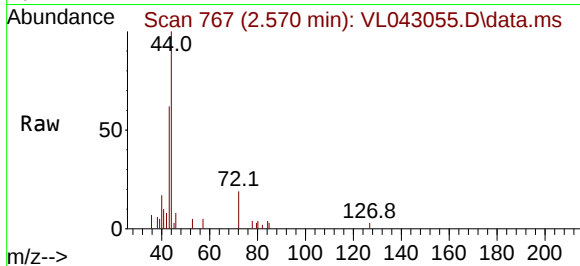




#34  
2-Butanone  
Concen: 0.039 ppbv  
RT: 2.570 min Scan# 71  
Delta R.T. 0.026 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

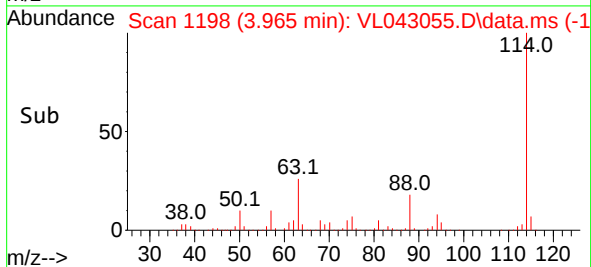
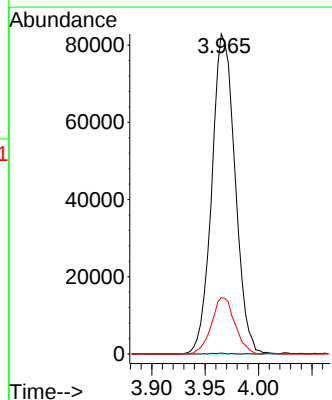
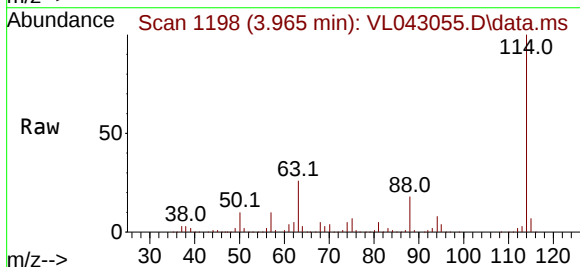
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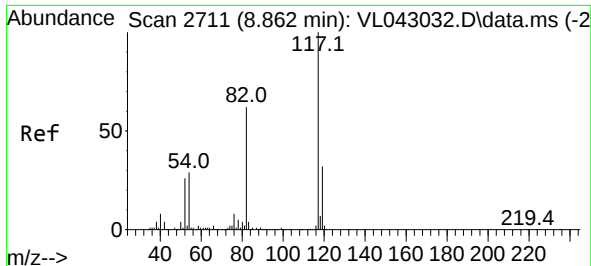
Tgt Ion: 43 Resp: 1303  
Ion Ratio Lower Upper  
43 100  
72 22.9 18.4 27.6



#39  
1,2-Dichloropropane  
Concen: 7.211 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. -0.327 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 63 Resp: 125565  
Ion Ratio Lower Upper  
63 100  
41 0.3 61.6 92.4#  
62 17.7 58.1 87.1#

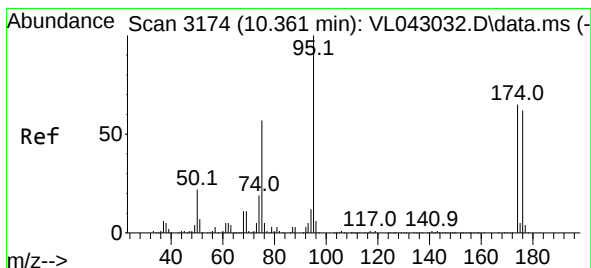
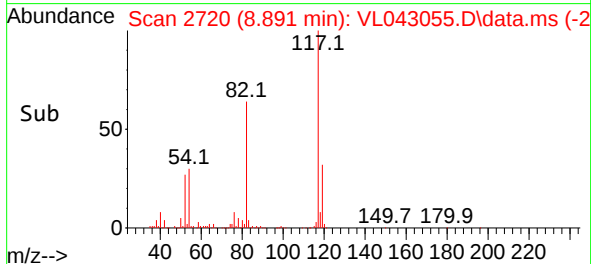
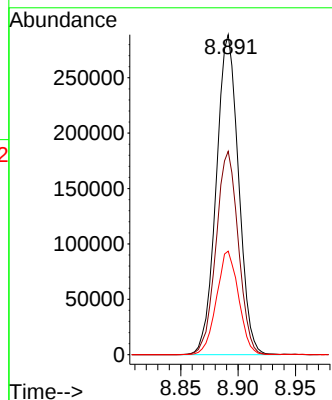
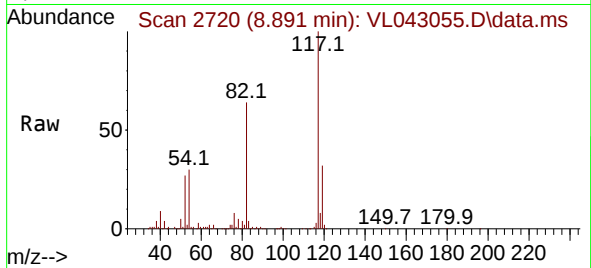




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 21  
Delta R.T. 0.029 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

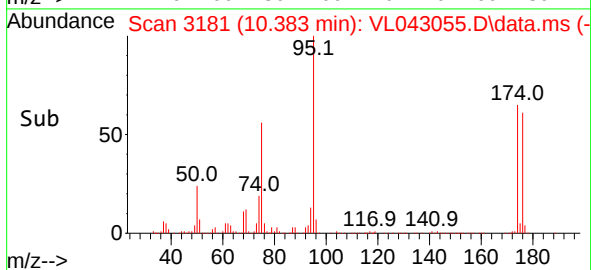
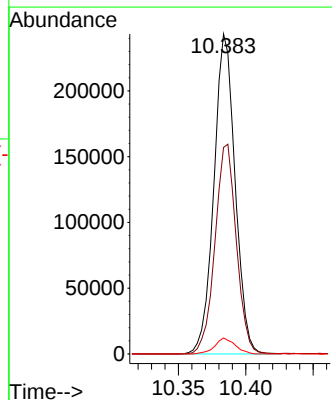
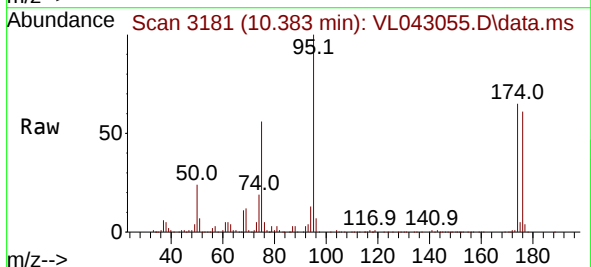
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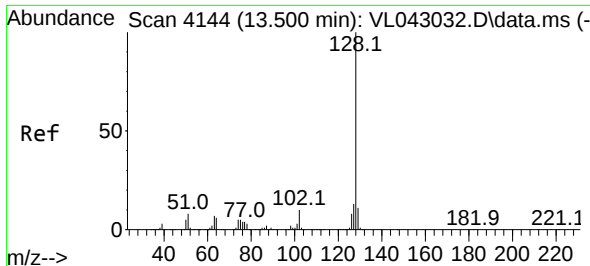
Tgt Ion:117 Resp: 390940  
Ion Ratio Lower Upper  
117 100  
82 63.8 53.0 79.6  
119 32.3 25.4 38.2



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.462 ppbv  
RT: 10.383 min Scan# 3181  
Delta R.T. 0.023 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion: 95 Resp: 266462  
Ion Ratio Lower Upper  
95 100  
174 66.4 52.3 78.5  
175 4.8 3.8 5.8

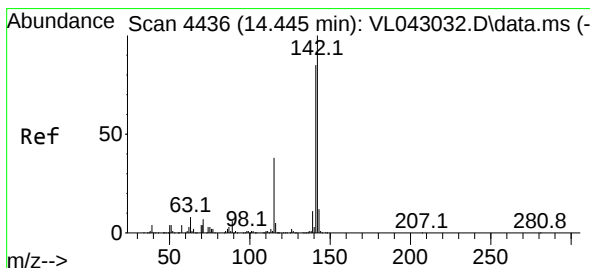
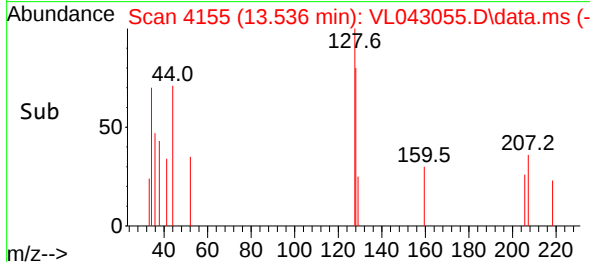
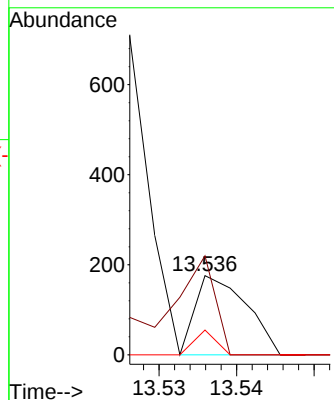
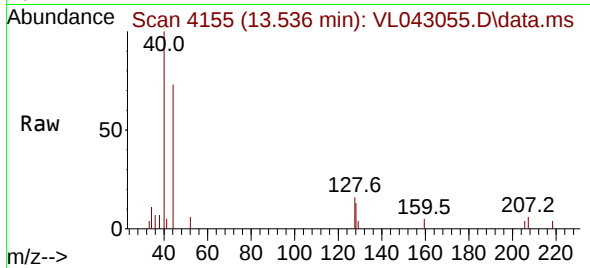




#79  
Naphthalene  
Concen: 0.236 ppbv  
RT: 13.536 min Scan# 4144  
Delta R.T. 0.036 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Instrument :  
MSVOA\_L  
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VL1008ABL01

Tgt Ion:128 Resp: 81  
Ion Ratio Lower Upper  
128 100  
127 125.0 10.6 16.0#  
129 31.3 8.8 13.2#



#80  
Naphthalene,2-methyl-  
Concen: 0.684 ppbv  
RT: 14.468 min Scan# 4443  
Delta R.T. 0.023 min  
Lab File: VL043055.D  
Acq: 08 Oct 2025 09:39

Tgt Ion:142 Resp: 541  
Ion Ratio Lower Upper  
142 100  
141 126.8 66.6 100.0#  
115 66.9 30.1 45.1#

