

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV110425\  
 Data File : VV039308.D  
 Acq On : 04 Nov 2025 12:21  
 Operator : SY/MD  
 Sample : VV1104WBL01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1104WBL01

Quant Time: Nov 05 00:32:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V100725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:01:26 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 4.597  | 168  | 1064589  | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.529  | 114  | 1972523  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 8.773  | 117  | 1793346  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.172 | 152  | 828938   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 4.934  | 65    | 878179   | 58.053   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 81 - 118 | Recovery | =    | 116.100% |
| 35) Dibromofluoromethane    | 4.497  | 113   | 782028   | 50.317   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 80 - 119 | Recovery | =    | 100.640% |
| 50) Toluene-d8              | 7.233  | 98    | 2570057  | 48.608   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 89 - 112 | Recovery | =    | 97.220%  |
| 62) 4-Bromofluorobenzene    | 9.998  | 95    | 975805   | 51.821   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 85 - 114 | Recovery | =    | 103.640% |

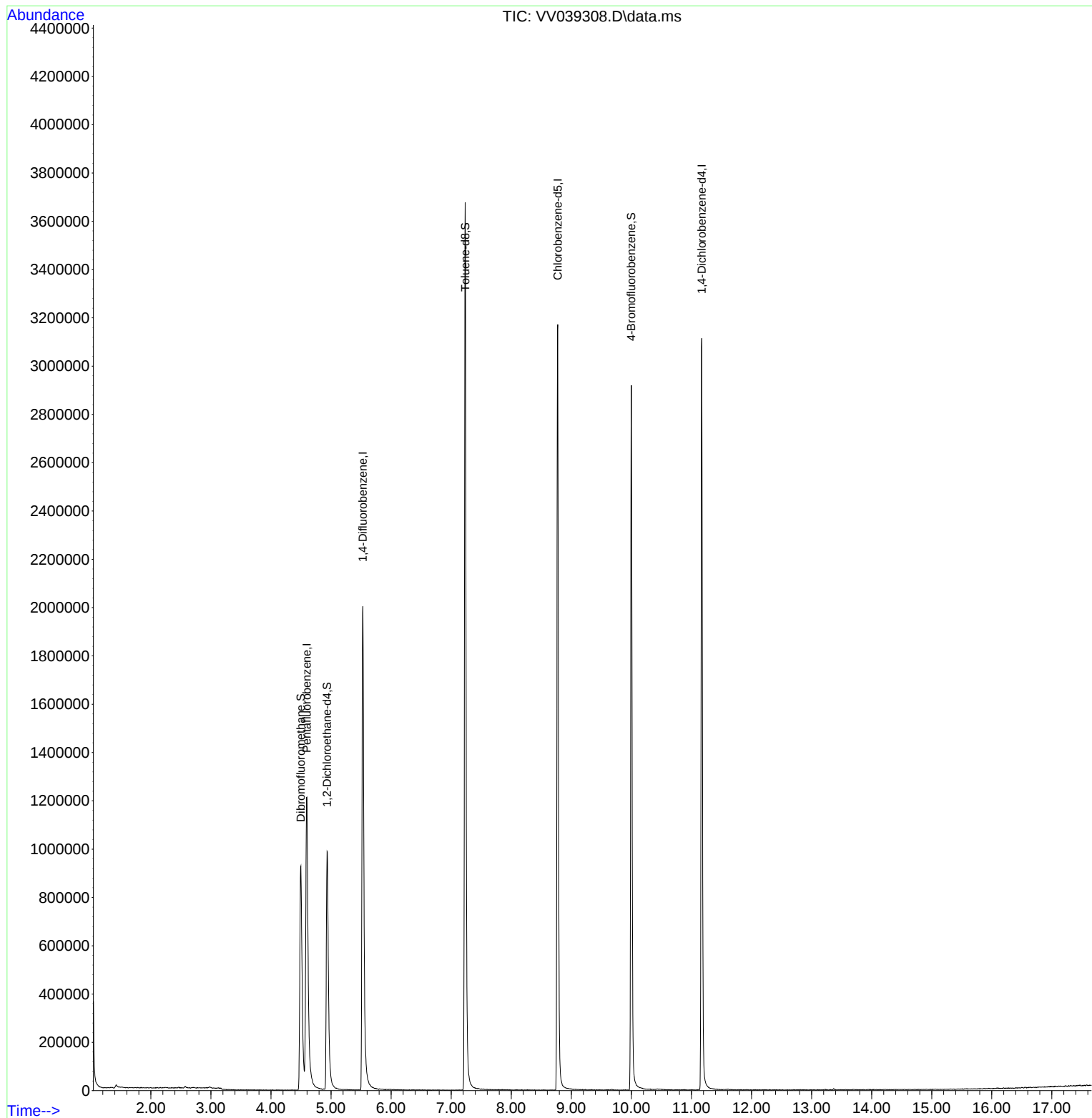
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

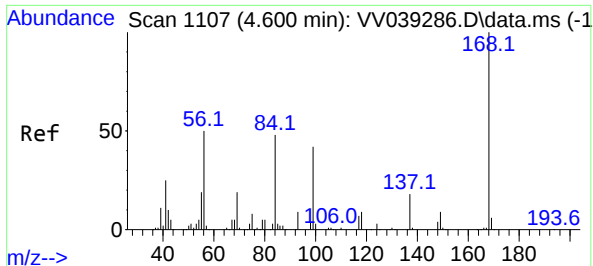
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:01:26 2025  
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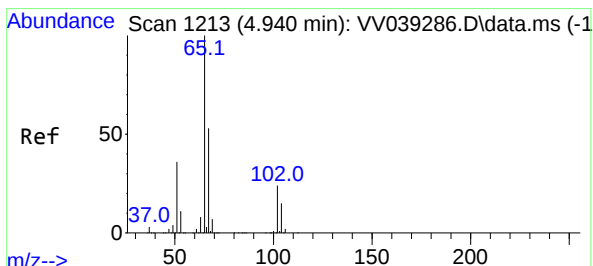
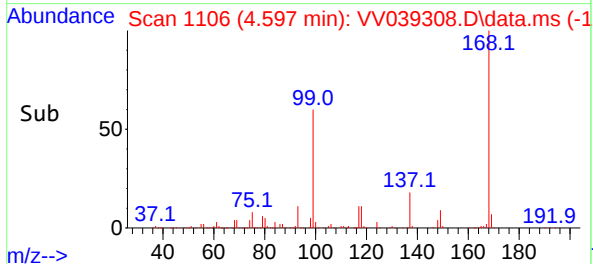
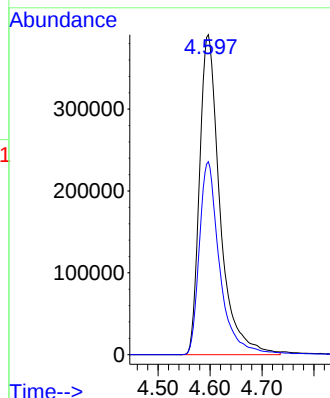
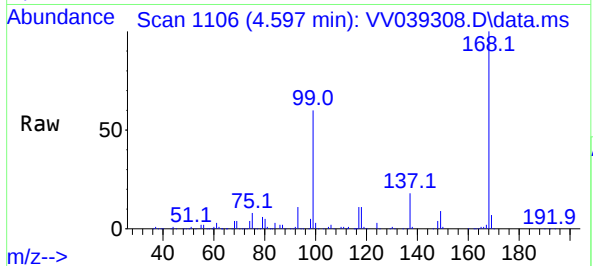




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.597 min Scan# 1106  
Delta R.T. -0.003 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

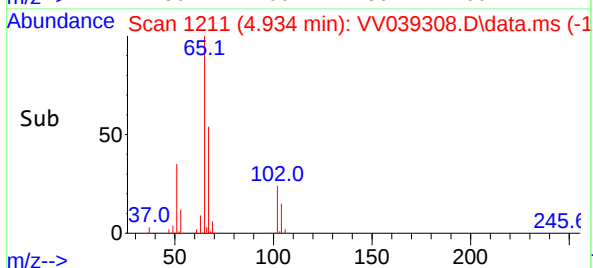
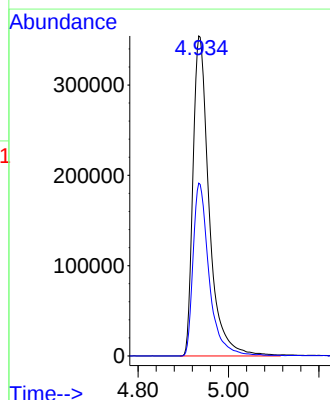
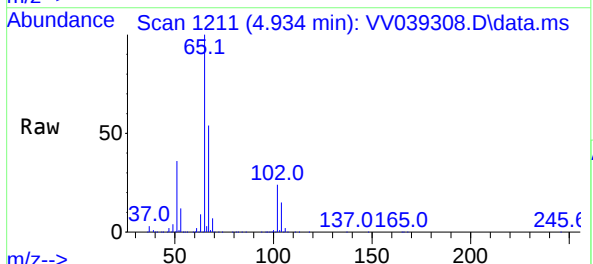
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1104WBL01

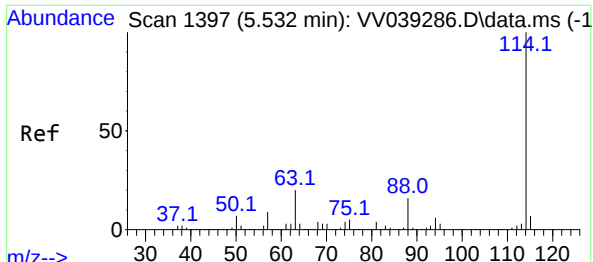
Tgt Ion:168 Resp: 1064589  
Ion Ratio Lower Upper  
168 100  
99 60.3 46.6 70.0



#33  
1,2-Dichloroethane-d4  
Concen: 58.053 ug/l  
RT: 4.934 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

Tgt Ion: 65 Resp: 878179  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 108.4

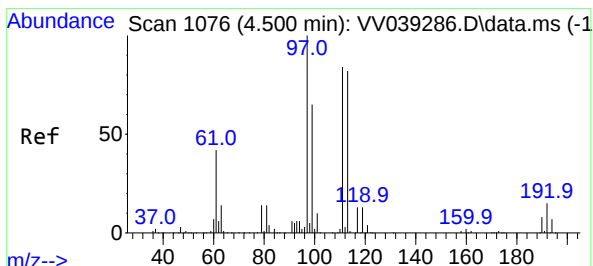
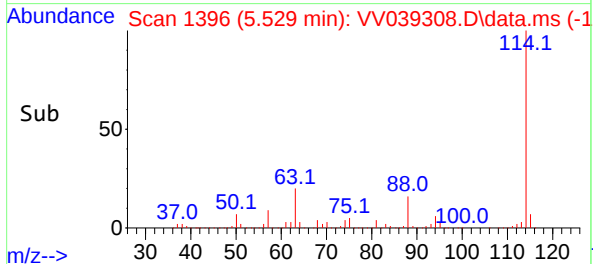
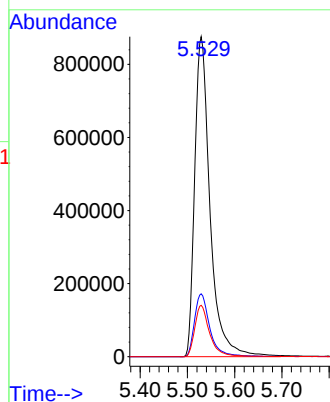
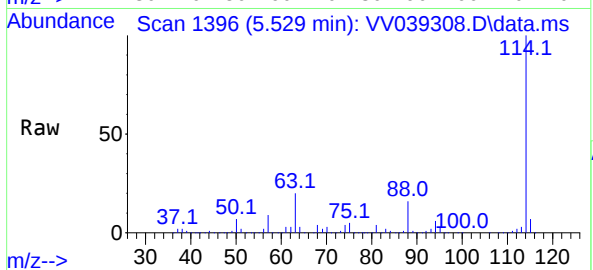




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.529 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

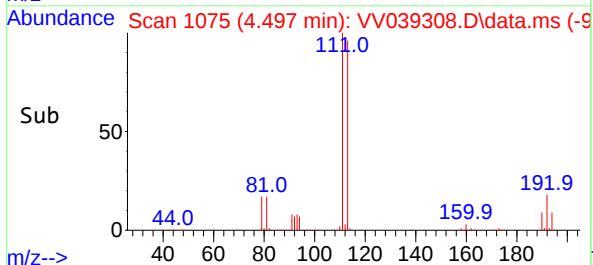
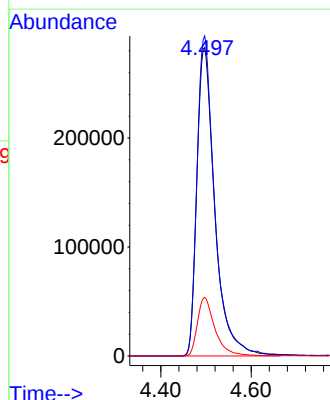
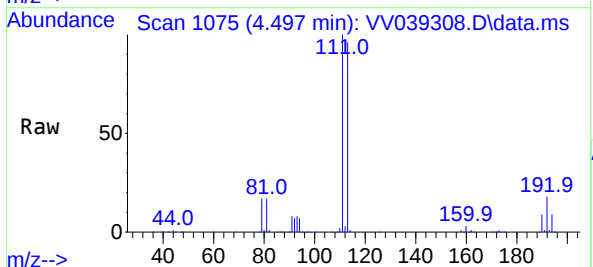
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1104WBL01

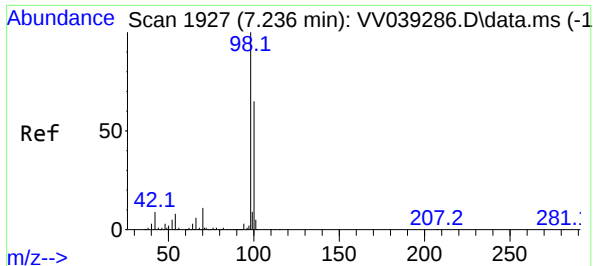
Tgt Ion:114 Resp: 1972523  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 39.6  
88 16.0 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 50.317 ug/l  
RT: 4.497 min Scan# 1075  
Delta R.T. -0.003 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

Tgt Ion:113 Resp: 782028  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.0 123.0  
192 18.5 14.3 21.5

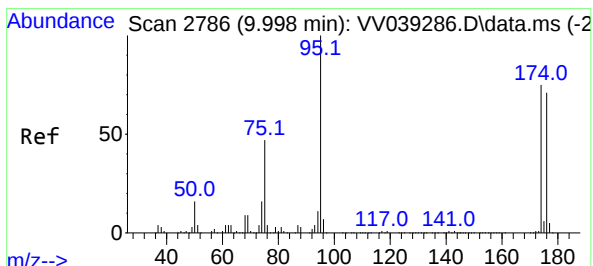
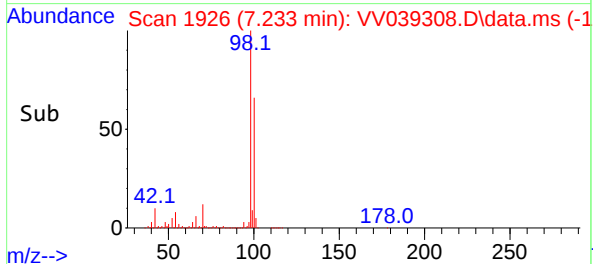
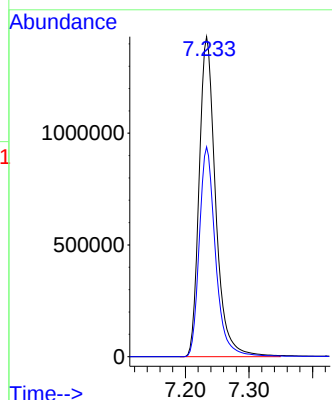
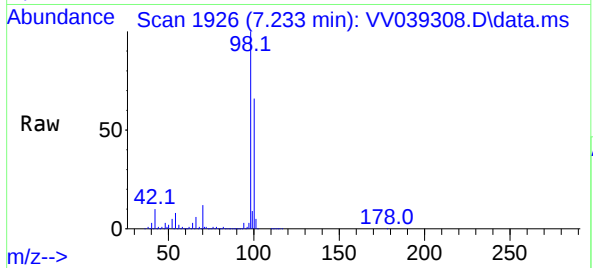




#50  
Toluene-d8  
Concen: 48.608 ug/l  
RT: 7.233 min Scan# 1927  
Delta R.T. -0.003 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

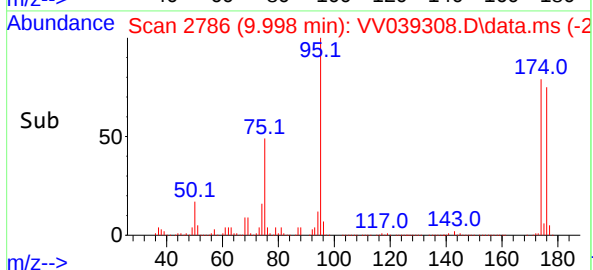
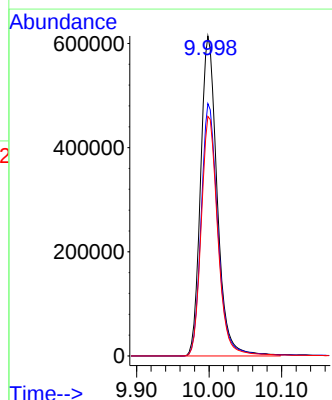
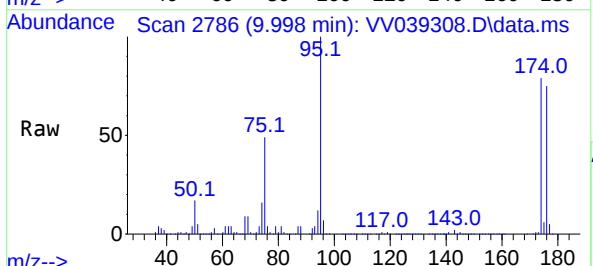
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1104WBL01

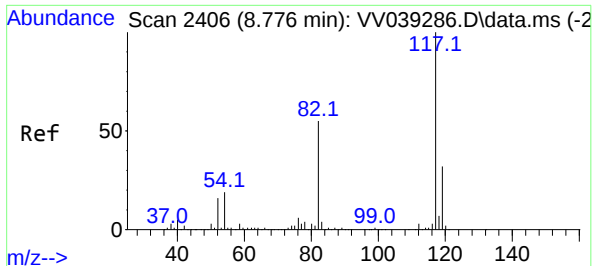
Tgt Ion: 98 Resp: 2570057  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 51.821 ug/l  
RT: 9.998 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VV039308.D  
Acq: 04 Nov 2025 12:21

Tgt Ion: 95 Resp: 975805  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 153.6  
176 75.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA\_V

ClientSampleId :

VV1104WBL01

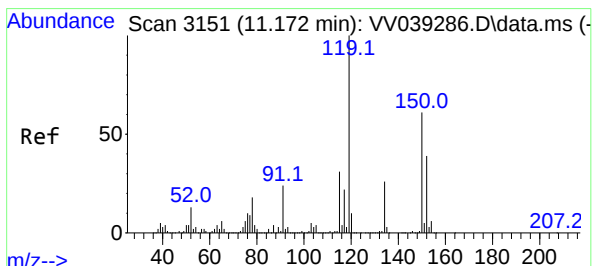
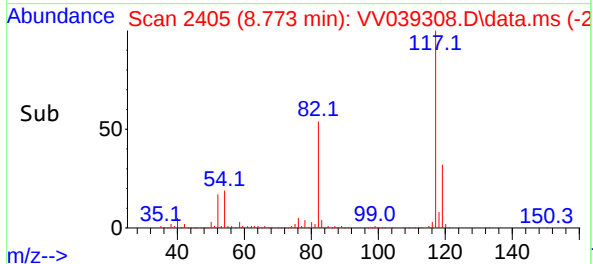
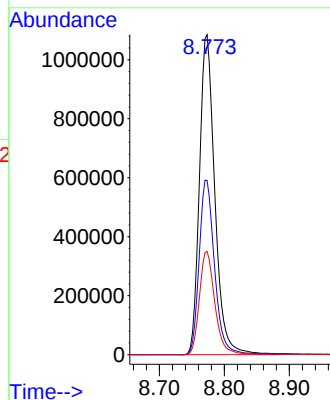
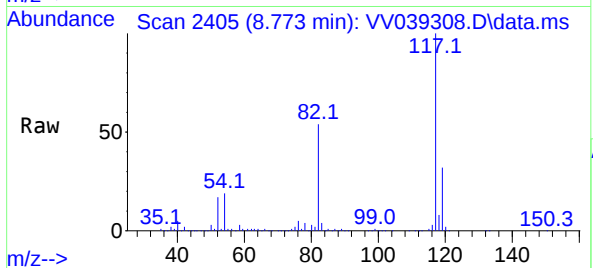
Tgt Ion:117 Resp: 1793346

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Tgt Ion:152 Resp: 828938

Ion Ratio Lower Upper

152 100

115 60.4 42.3 126.8

150 156.6 0.0 348.0

