

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV110525\  
 Data File : VV039329.D  
 Acq On : 05 Nov 2025 12:06  
 Operator : SY/MD  
 Sample : VV1105MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1105MBL01

Quant Time: Nov 06 00:11:20 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      | 4.596  | 168  | 625324   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.529  | 114  | 1124533  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 8.773  | 117  | 1012799  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.172 | 152  | 400012   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 4.934  | 65    | 546730   | 61.531   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 81 - 118 | Recovery | =    | 123.060%# |
| 35) Dibromofluoromethane    | 4.497  | 113   | 485888   | 54.837   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 80 - 119 | Recovery | =    | 109.680%  |
| 50) Toluene-d8              | 7.233  | 98    | 1487870  | 49.360   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 89 - 112 | Recovery | =    | 98.720%   |
| 62) 4-Bromofluorobenzene    | 9.998  | 95    | 472259   | 43.992   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 85 - 114 | Recovery | =    | 87.980%   |

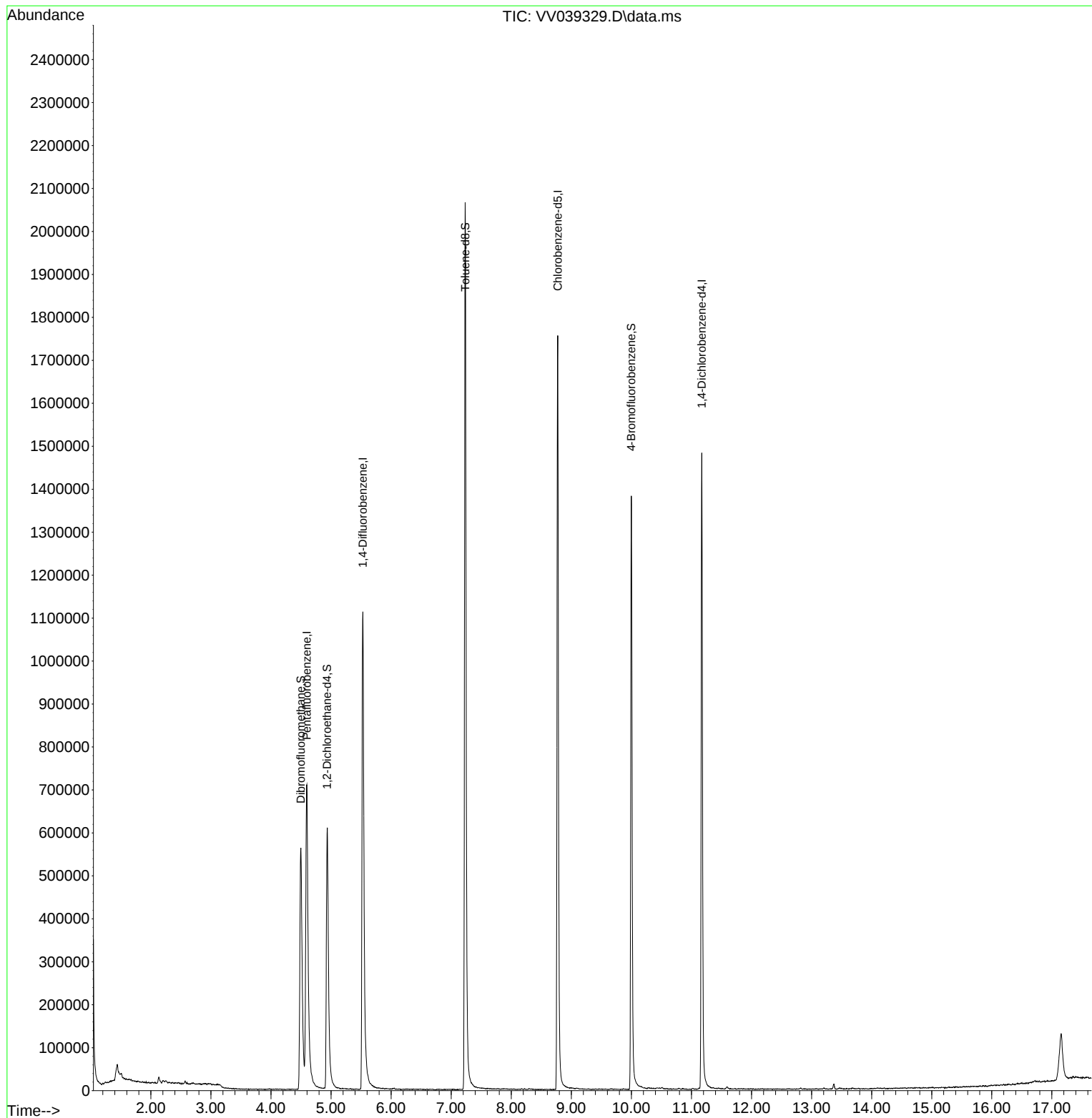
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

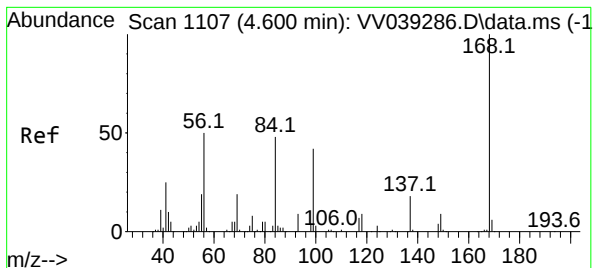
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.004 min

Lab File: VV039329.D

Acq: 05 Nov 2025 12:06

Instrument :

MSVOA\_V

ClientSampleId :

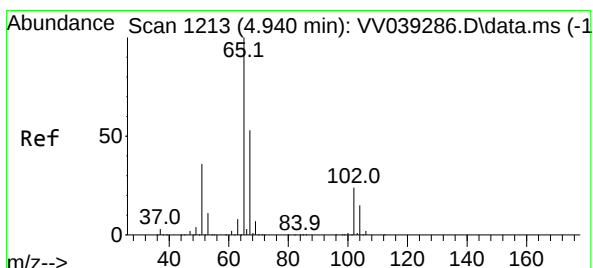
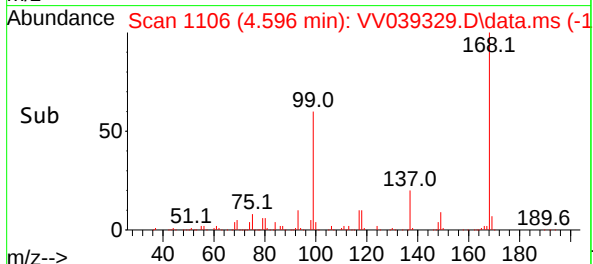
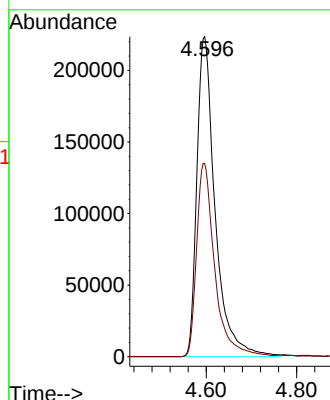
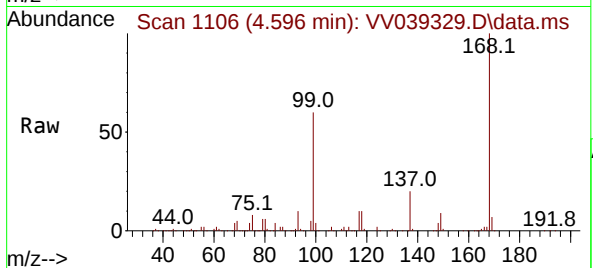
VV1105MBL01

Tgt Ion:168 Resp: 625324

Ion Ratio Lower Upper

168 100

99 60.3 46.6 70.0



#33

1,2-Dichloroethane-d4

Concen: 61.531 ug/l

RT: 4.934 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VV039329.D

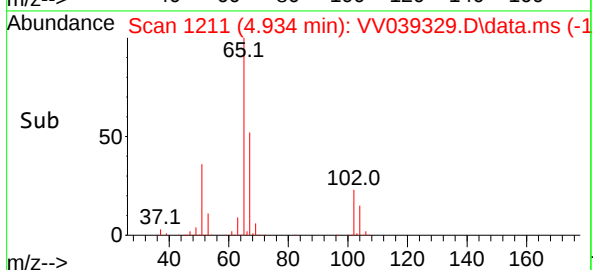
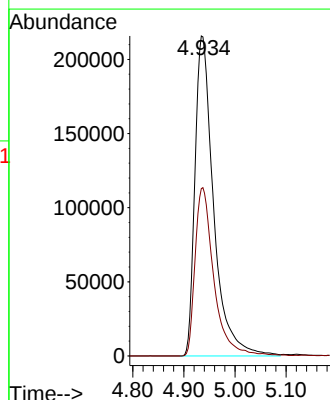
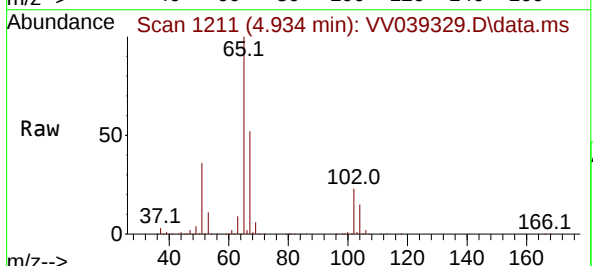
Acq: 05 Nov 2025 12:06

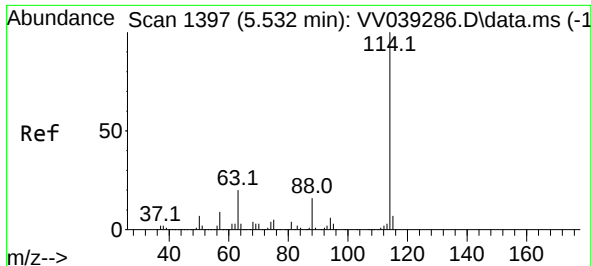
Tgt Ion: 65 Resp: 546730

Ion Ratio Lower Upper

65 100

67 52.5 0.0 108.4

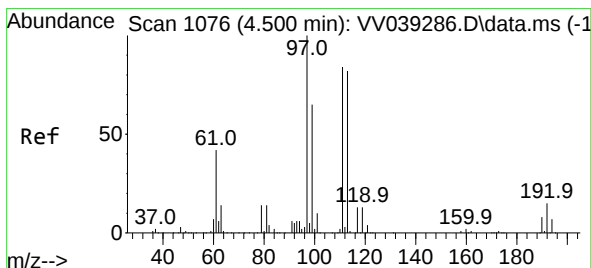
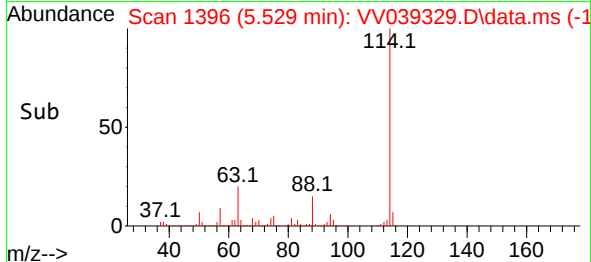
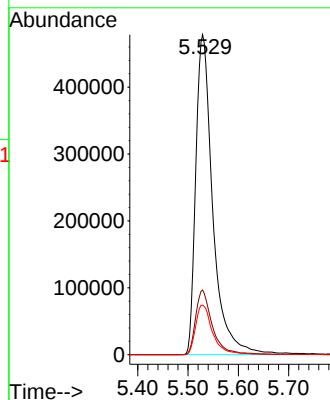
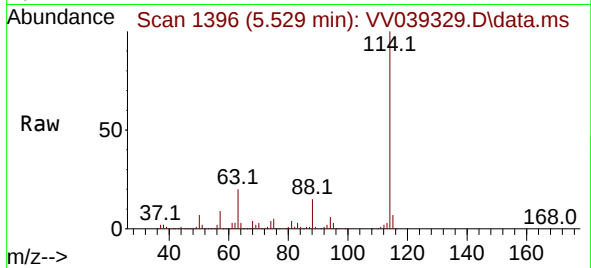




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.529 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV039329.D  
Acq: 05 Nov 2025 12:06

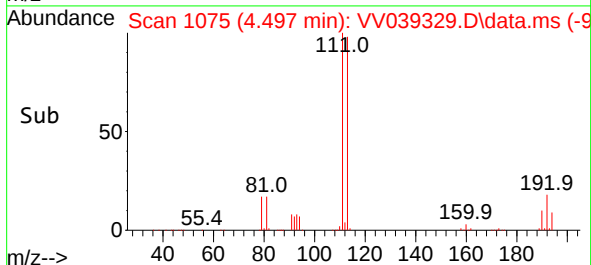
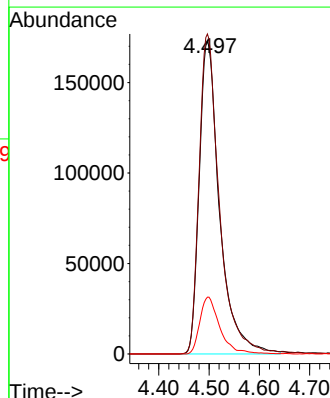
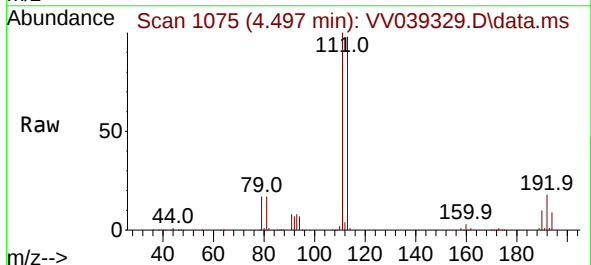
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1105MBL01

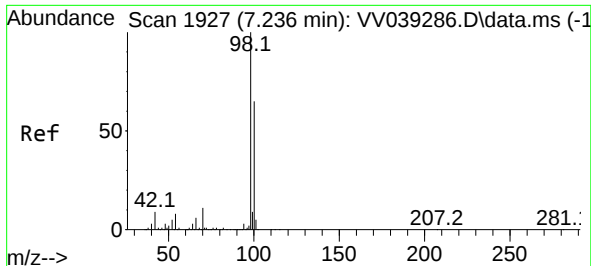
Tgt Ion:114 Resp: 1124533  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 39.6  
88 15.5 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 54.837 ug/l  
RT: 4.497 min Scan# 1075  
Delta R.T. -0.003 min  
Lab File: VV039329.D  
Acq: 05 Nov 2025 12:06

Tgt Ion:113 Resp: 485888  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.0 123.0  
192 17.9 14.3 21.5

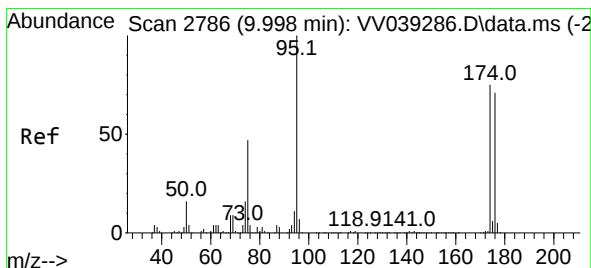
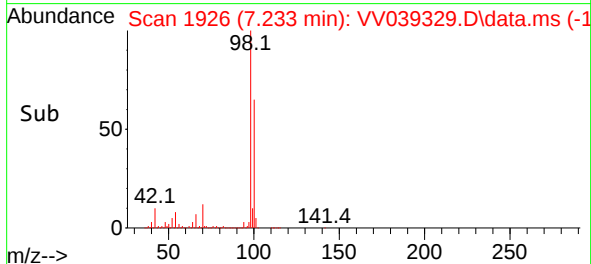
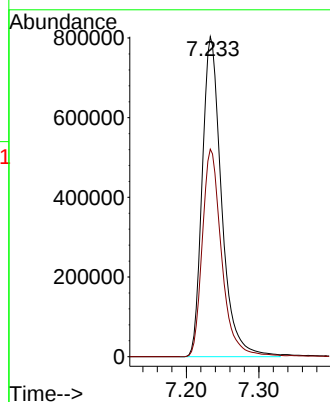
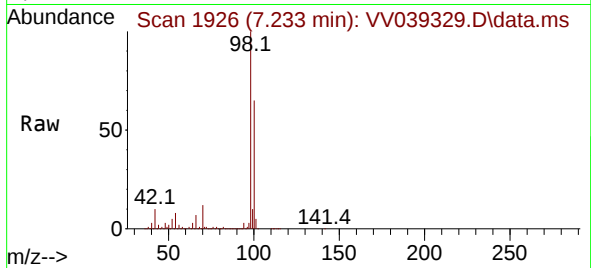




#50  
Toluene-d8  
Concen: 49.360 ug/l  
RT: 7.233 min Scan# 1927  
Delta R.T. -0.003 min  
Lab File: VV039329.D  
Acq: 05 Nov 2025 12:06

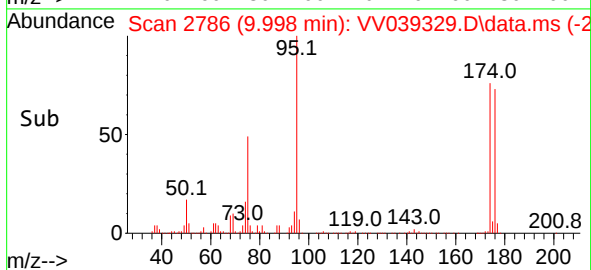
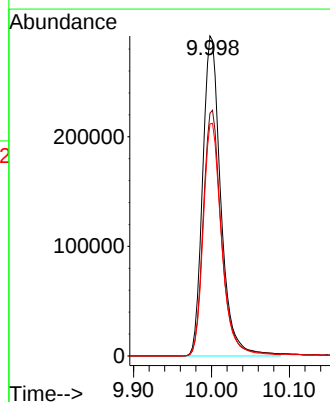
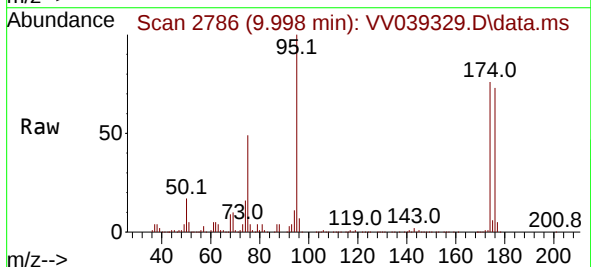
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1105MBL01

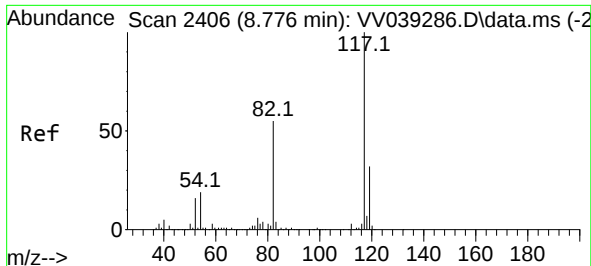
Tgt Ion: 98 Resp: 1487870  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 43.992 ug/l  
RT: 9.998 min Scan# 2786  
Delta R.T. -0.000 min  
Lab File: VV039329.D  
Acq: 05 Nov 2025 12:06

Tgt Ion: 95 Resp: 472259  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 153.6  
176 73.8 0.0 146.0

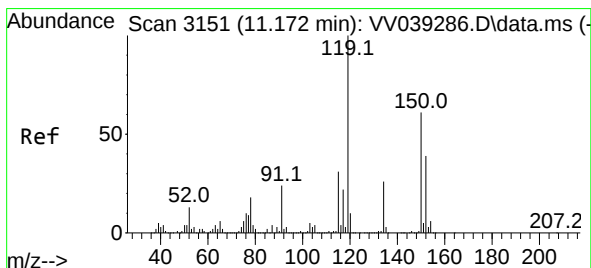
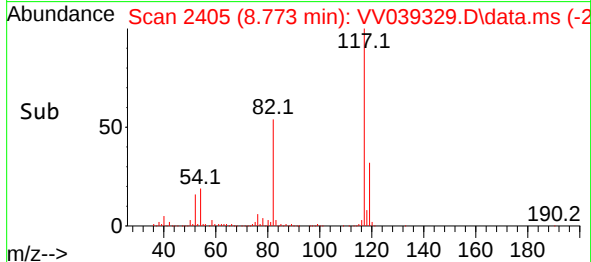
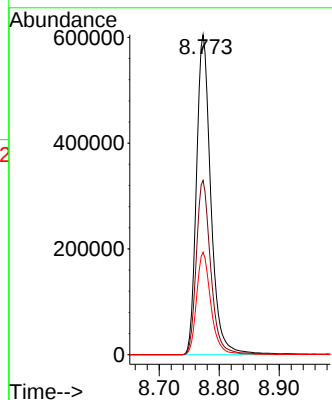
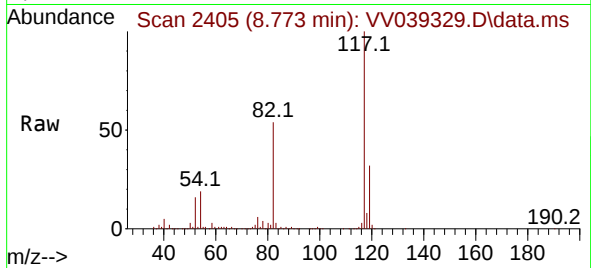




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.773 min Scan# 2406  
Delta R.T. -0.003 min  
Lab File: VV039329.D  
Acq: 05 Nov 2025 12:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1105MBL01

Tgt Ion:117 Resp: 1012799  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.8 65.8  
119 32.0 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: VV039329.D  
Acq: 05 Nov 2025 12:06

Tgt Ion:152 Resp: 400012  
Ion Ratio Lower Upper  
152 100  
115 60.3 42.3 126.8  
150 157.3 0.0 348.0

