

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023142.D
 Acq On : 19 Aug 2025 11:44
 Operator : SY/MD
 Sample : Q2820-15
 Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10P-S

Quant Time: Aug 20 01:27:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

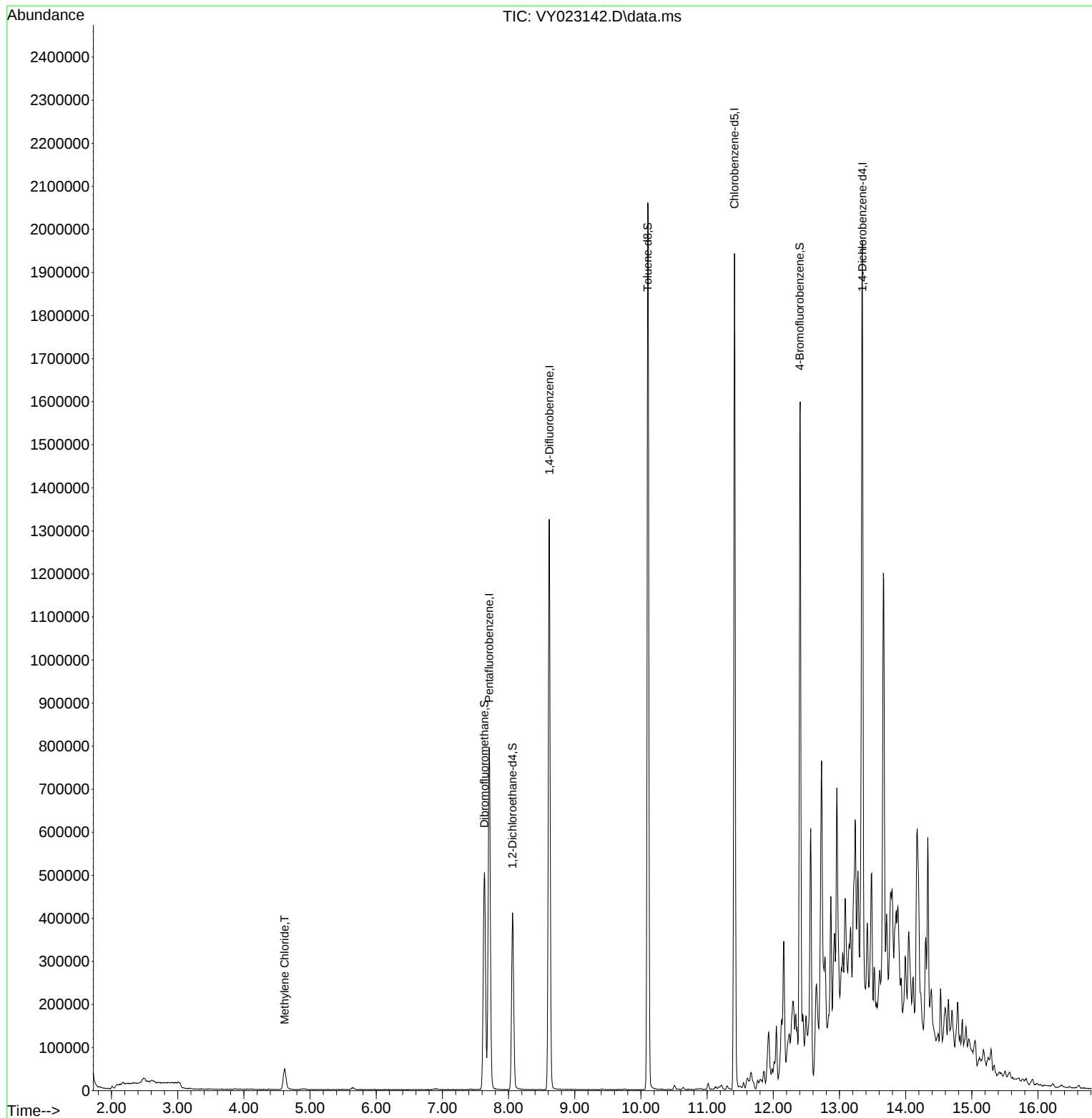
Internal Standards						
1) Pentafluorobenzene	7.707	168	632809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1165930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	1040807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	447912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	320627	53.162	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.320%	
35) Dibromofluoromethane	7.634	113	366670	52.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.120%	
50) Toluene-d8	10.103	98	1396429	51.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.401	95	439799	50.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.360%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	36231	2.769	ug/l	92

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

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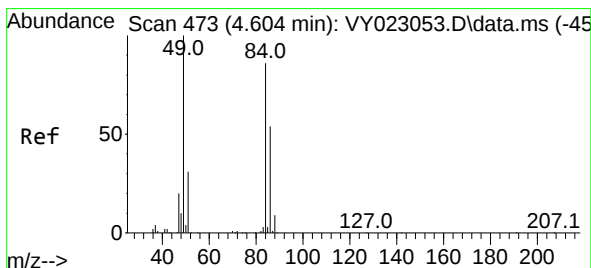
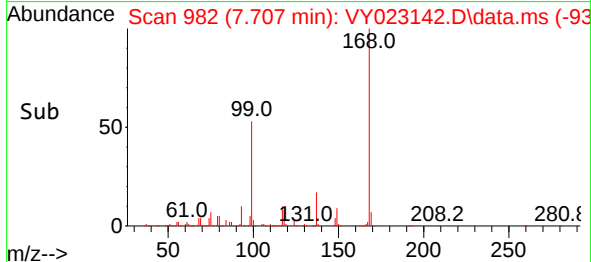
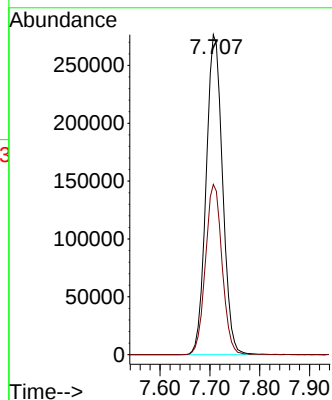
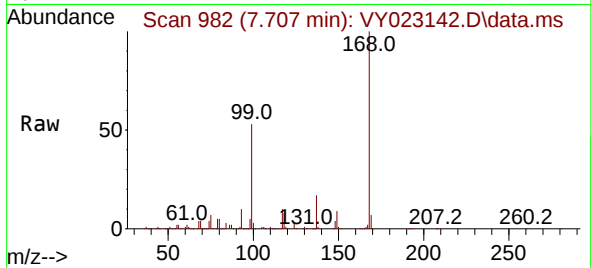




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023142.D
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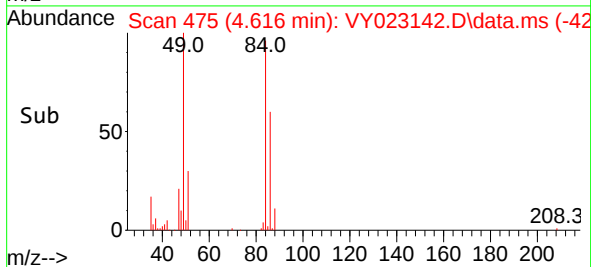
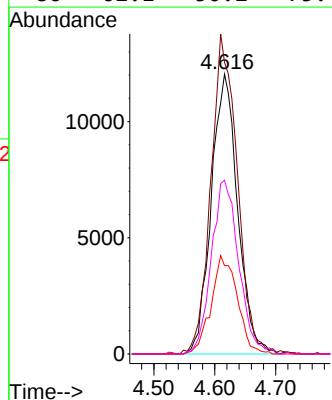
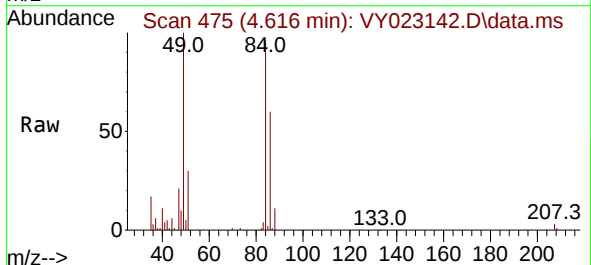
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

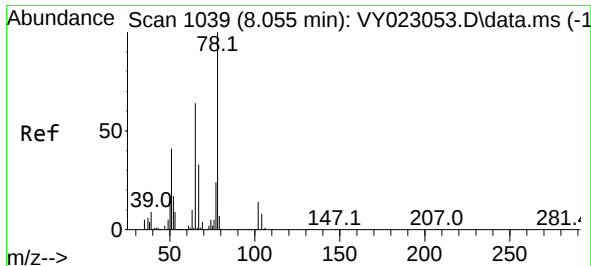
Tgt Ion:168 Resp: 632809
Ion Ratio Lower Upper
168 100
99 53.2 42.8 64.2



#20
Methylene Chloride
Concen: 2.769 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 84 Resp: 36231
Ion Ratio Lower Upper
84 100
49 104.2 93.0 139.6
51 31.6 29.0 43.4
86 62.1 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 53.162 ug/l

RT: 8.060 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

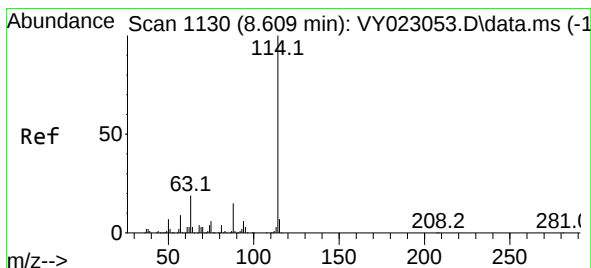
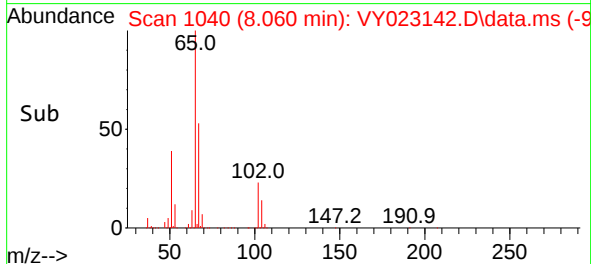
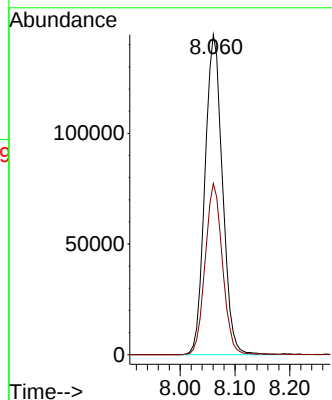
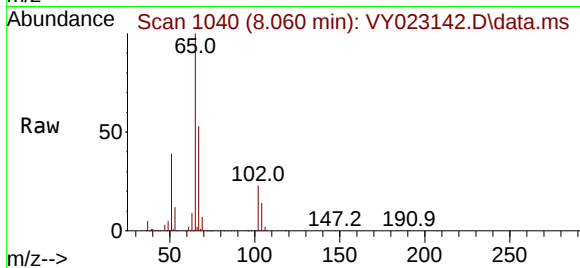
10P-S

Tgt Ion: 65 Resp: 320627

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

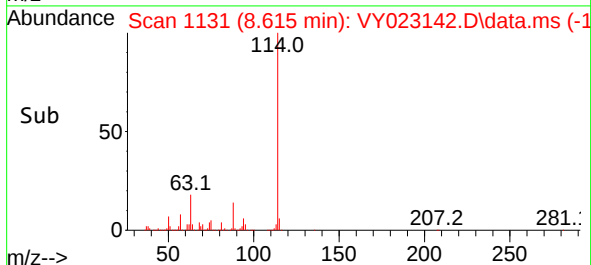
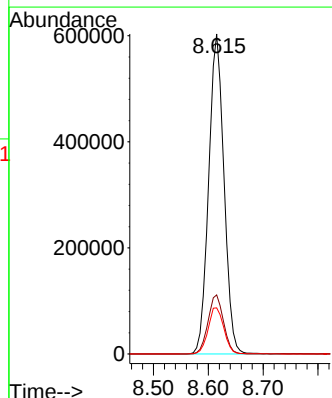
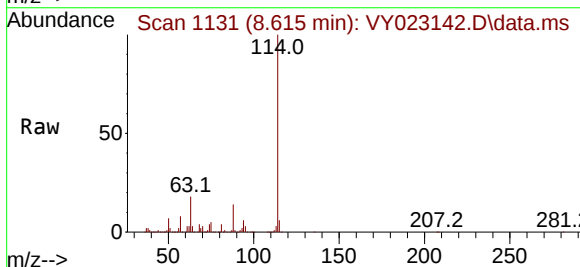
Tgt Ion: 114 Resp: 1165930

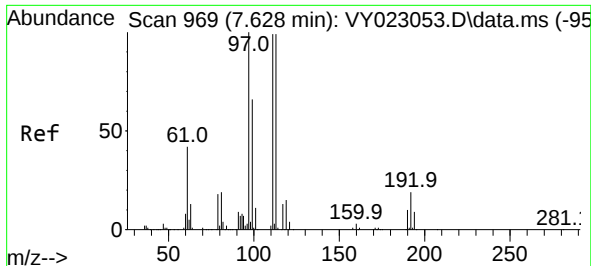
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.4 0.0 30.0

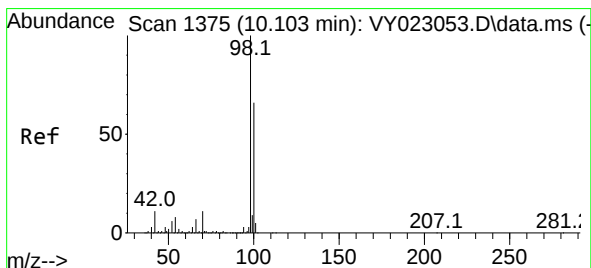
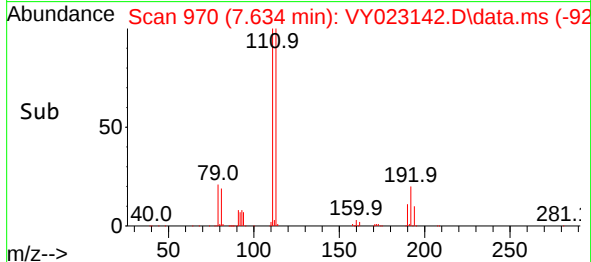
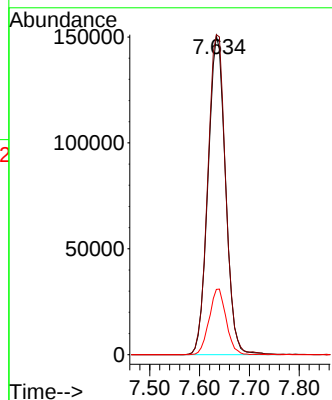
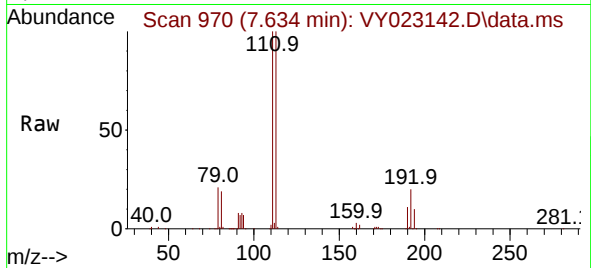




#35
Dibromofluoromethane
Concen: 52.557 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

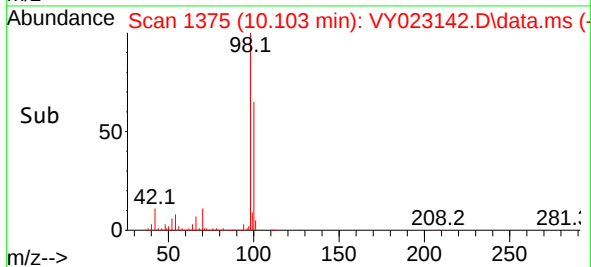
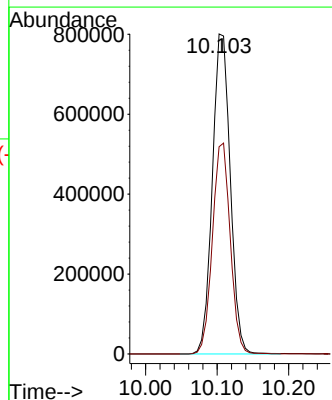
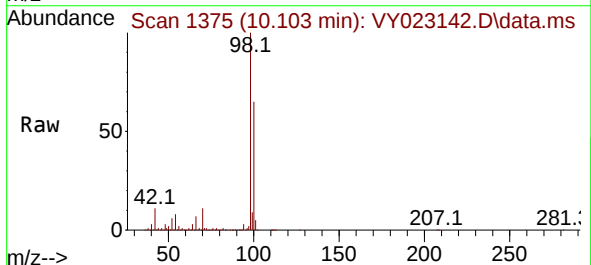
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

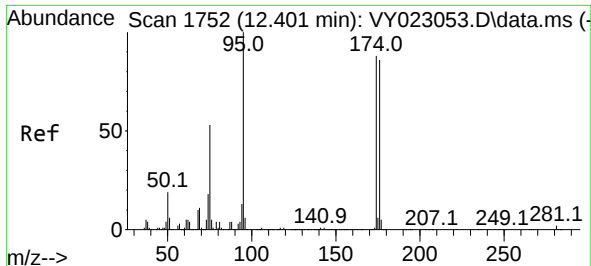
Tgt Ion:113 Resp: 366670
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.0 16.2 24.4



#50
Toluene-d8
Concen: 51.237 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 98 Resp: 1396429
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

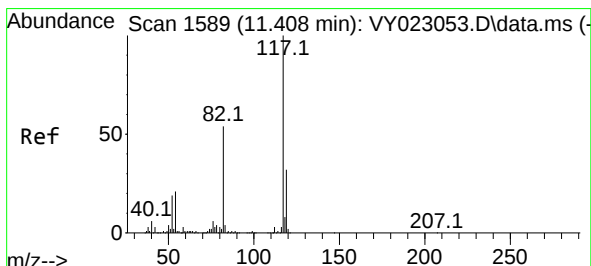
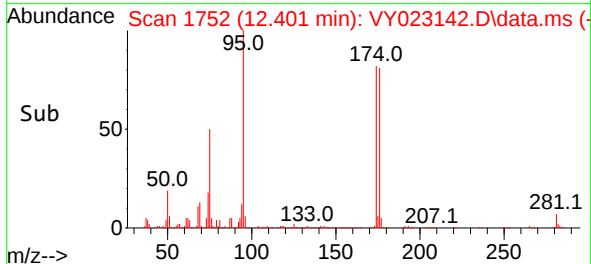
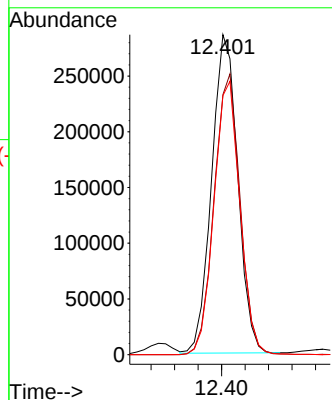
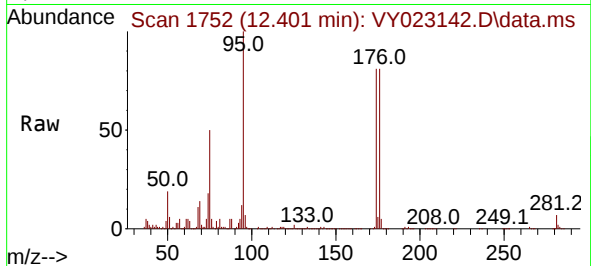




#62
4-Bromofluorobenzene
Concen: 50.177 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

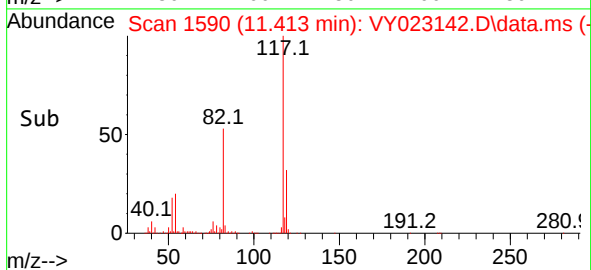
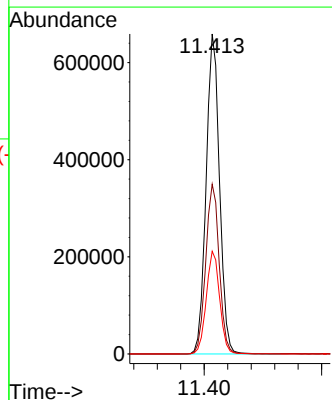
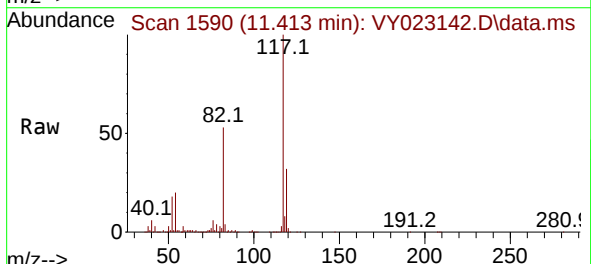
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

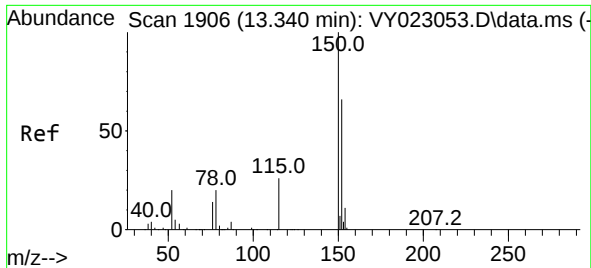
Tgt Ion: 95 Resp: 439799
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 85.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 117 Resp: 1040807
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.1 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023142.D
 Acq: 19 Aug 2025 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 10P-S

Tgt Ion:152 Resp: 447912
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.2 84.6
 150 154.9 0.0 348.0

