

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023977.D
 Acq On : 15 Dec 2025 15:31
 Operator : SY/MD
 Sample : Q3873-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Dec 16 02:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

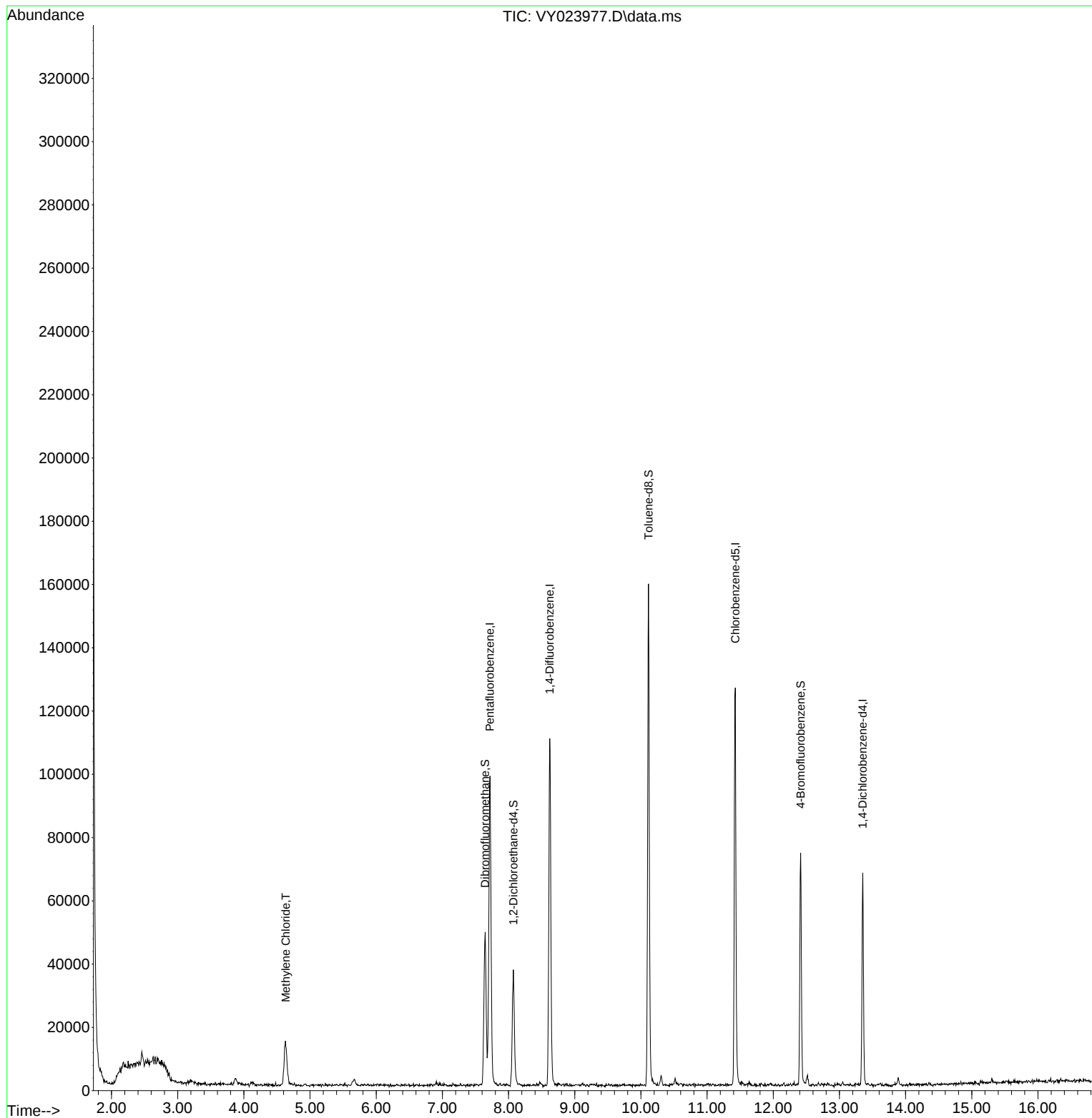
Internal Standards						
1) Pentafluorobenzene	7.719	168	83344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	103256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	74045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	18826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	28669	38.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.820%
35) Dibromofluoromethane	7.646	113	34185	50.647	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.300%
50) Toluene-d8	10.115	98	111286	44.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.560%
62) 4-Bromofluorobenzene	12.413	95	22965	27.364	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.720%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.634	84	10972	12.657	ug/l	90

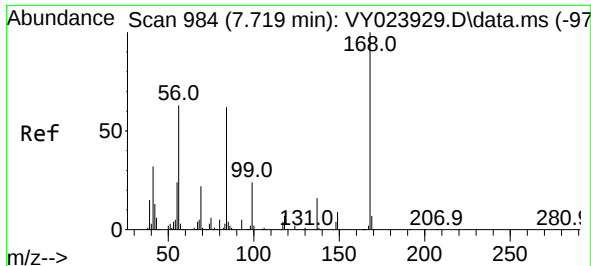
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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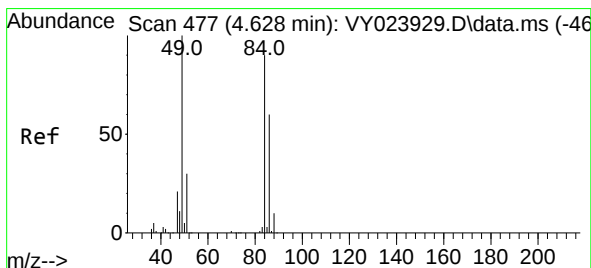
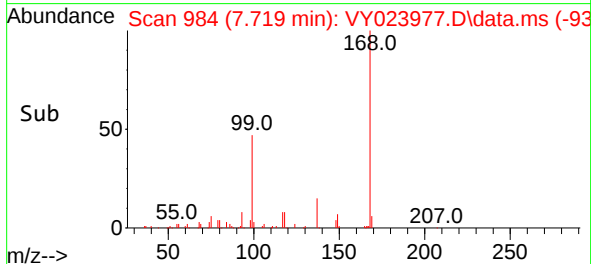
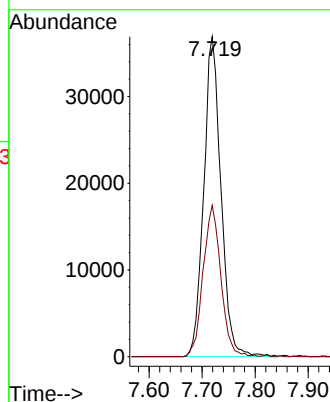
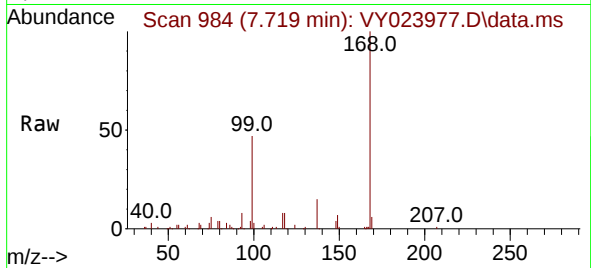




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

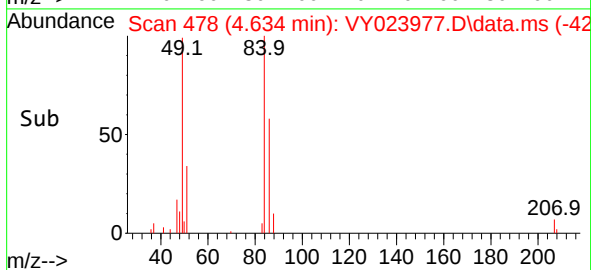
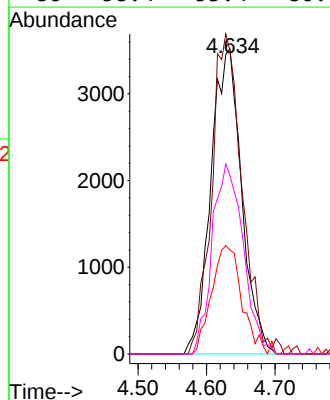
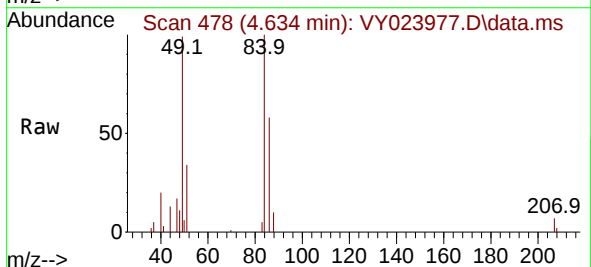
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

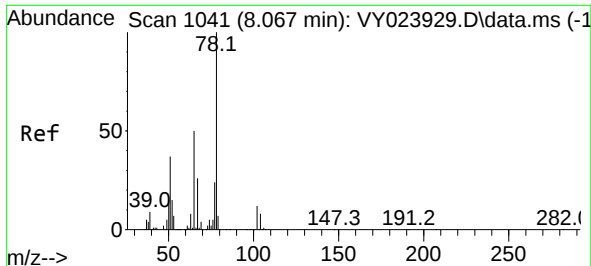
Tgt Ion:168 Resp: 83344
Ion Ratio Lower Upper
168 100
99 47.3 38.9 58.3



#20
Methylene Chloride
Concen: 12.657 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 84 Resp: 10972
Ion Ratio Lower Upper
84 100
49 99.3 89.1 133.7
51 34.1 26.6 39.8
86 58.4 53.4 80.0





#33

1,2-Dichloroethane-d4

Concen: 38.906 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

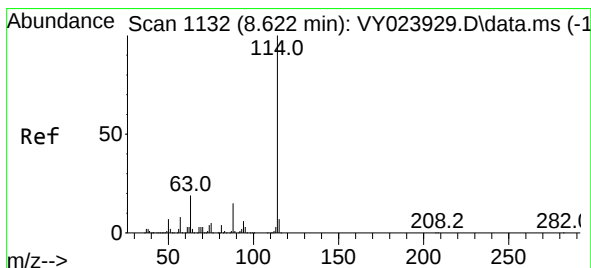
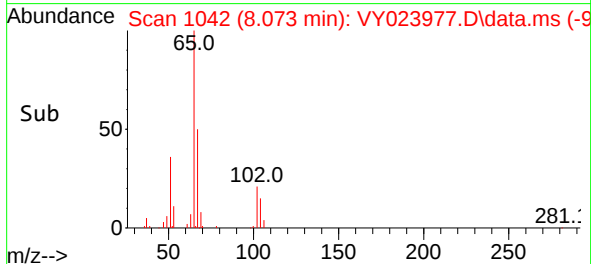
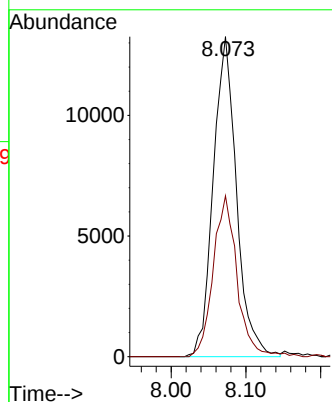
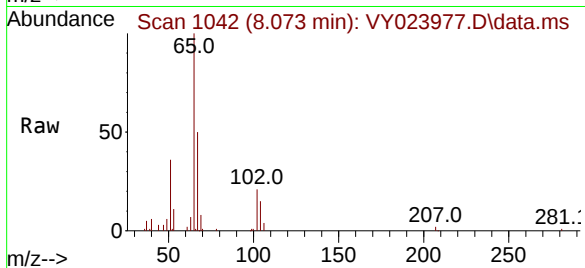
COMP-1

Tgt Ion: 65 Resp: 28669

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

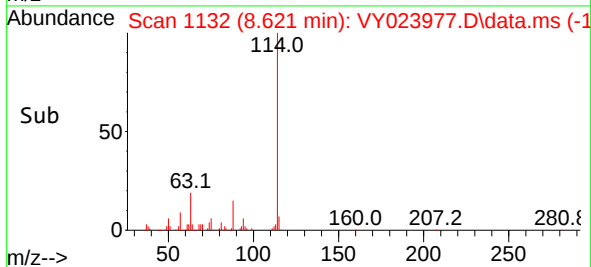
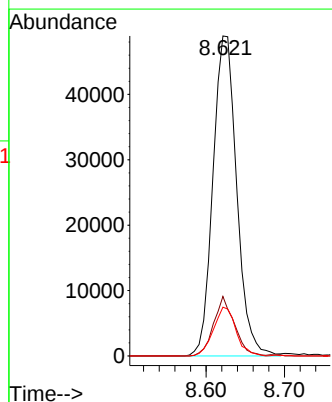
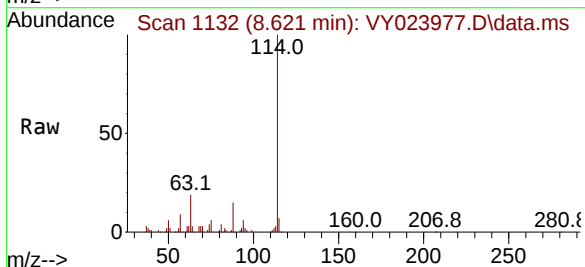
Tgt Ion: 114 Resp: 103256

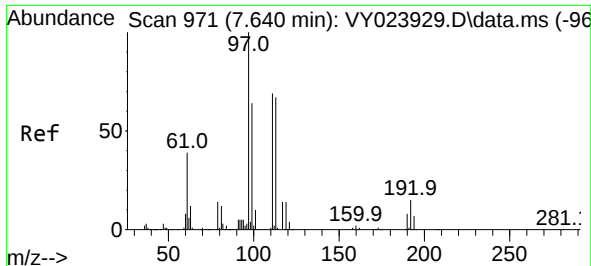
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.2

88 15.3 0.0 29.4

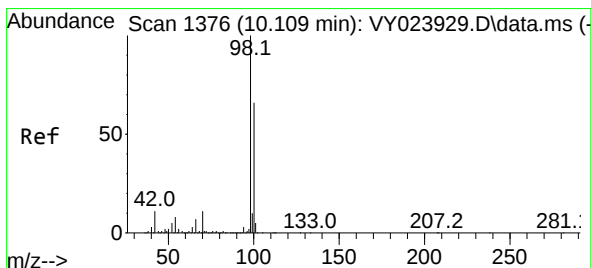
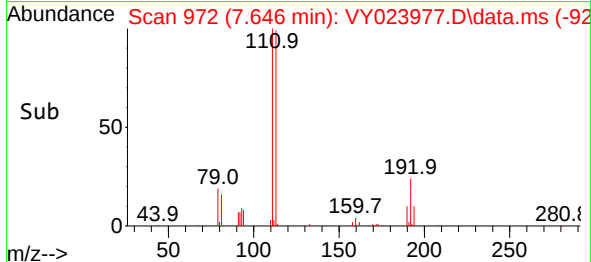
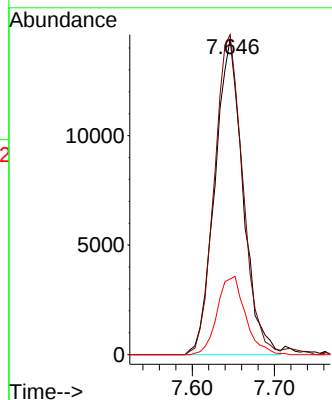
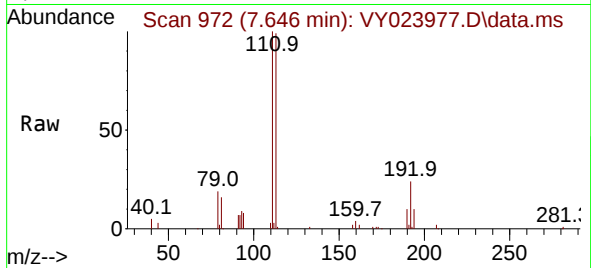




#35
Dibromofluoromethane
Concen: 50.647 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

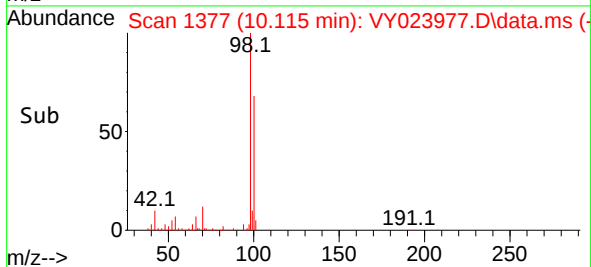
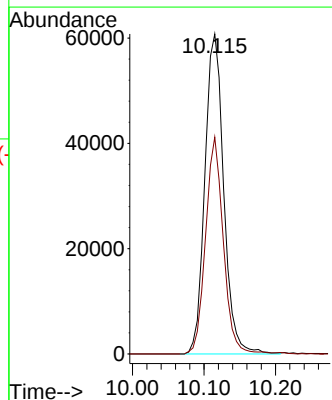
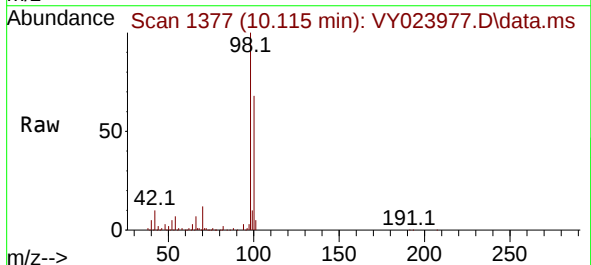
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

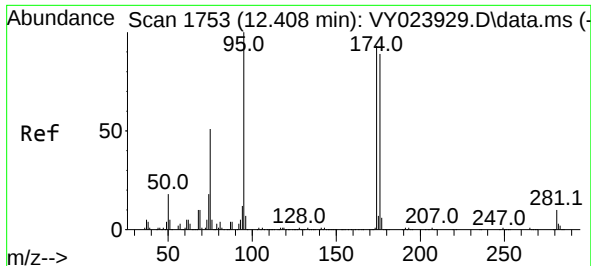
Tgt Ion:113 Resp: 34185
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 24.8 17.9 26.9



#50
Toluene-d8
Concen: 44.284 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 98 Resp: 111286
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2

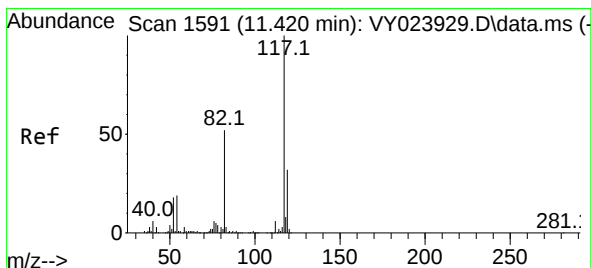
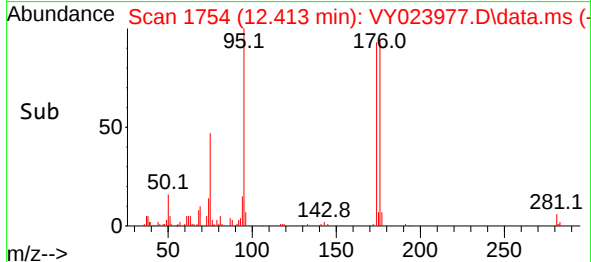
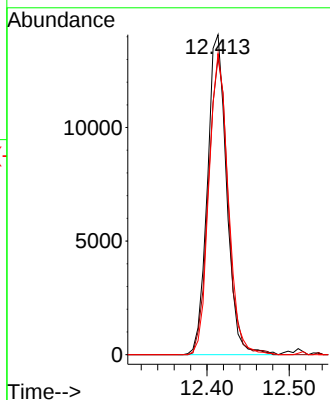
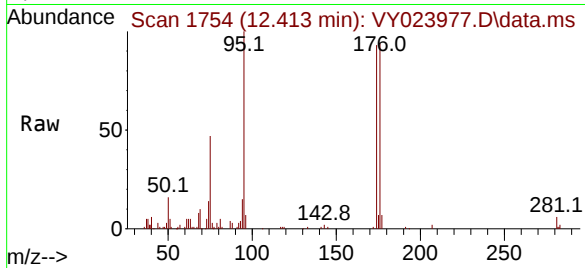




#62
4-Bromofluorobenzene
Concen: 27.364 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

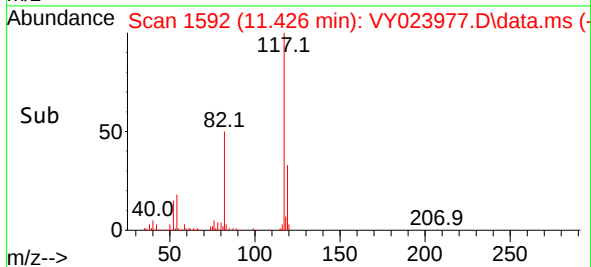
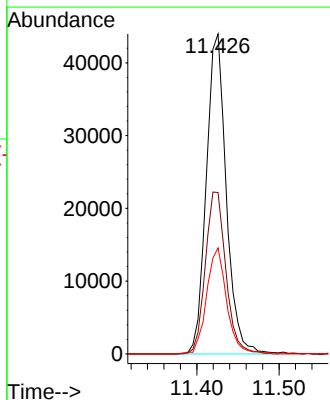
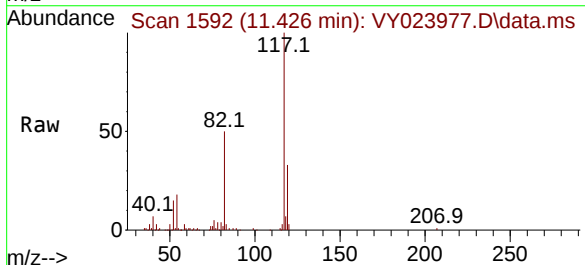
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

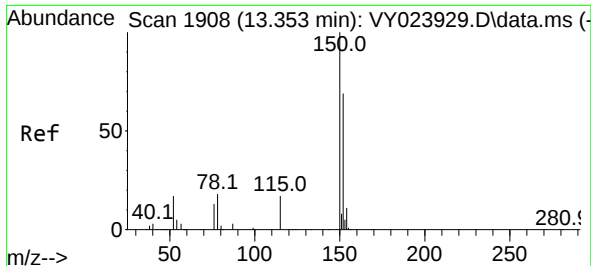
Tgt Ion: 95 Resp: 22965
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 94.1 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 117 Resp: 74045
Ion Ratio Lower Upper
117 100
82 50.4 41.4 62.2
119 33.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY023977.D

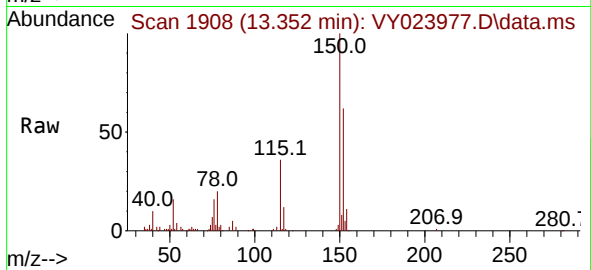
Acq: 15 Dec 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1



Tgt Ion:152 Resp: 18826

Ion Ratio Lower Upper

152 100

115 54.0 27.3 81.9

150 153.4 0.0 347.6

