

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023070.D
 Acq On : 13 Aug 2025 15:19
 Operator : SY/MD
 Sample : Q2819-08
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11M-E

Quant Time: Aug 14 01:25:12 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)

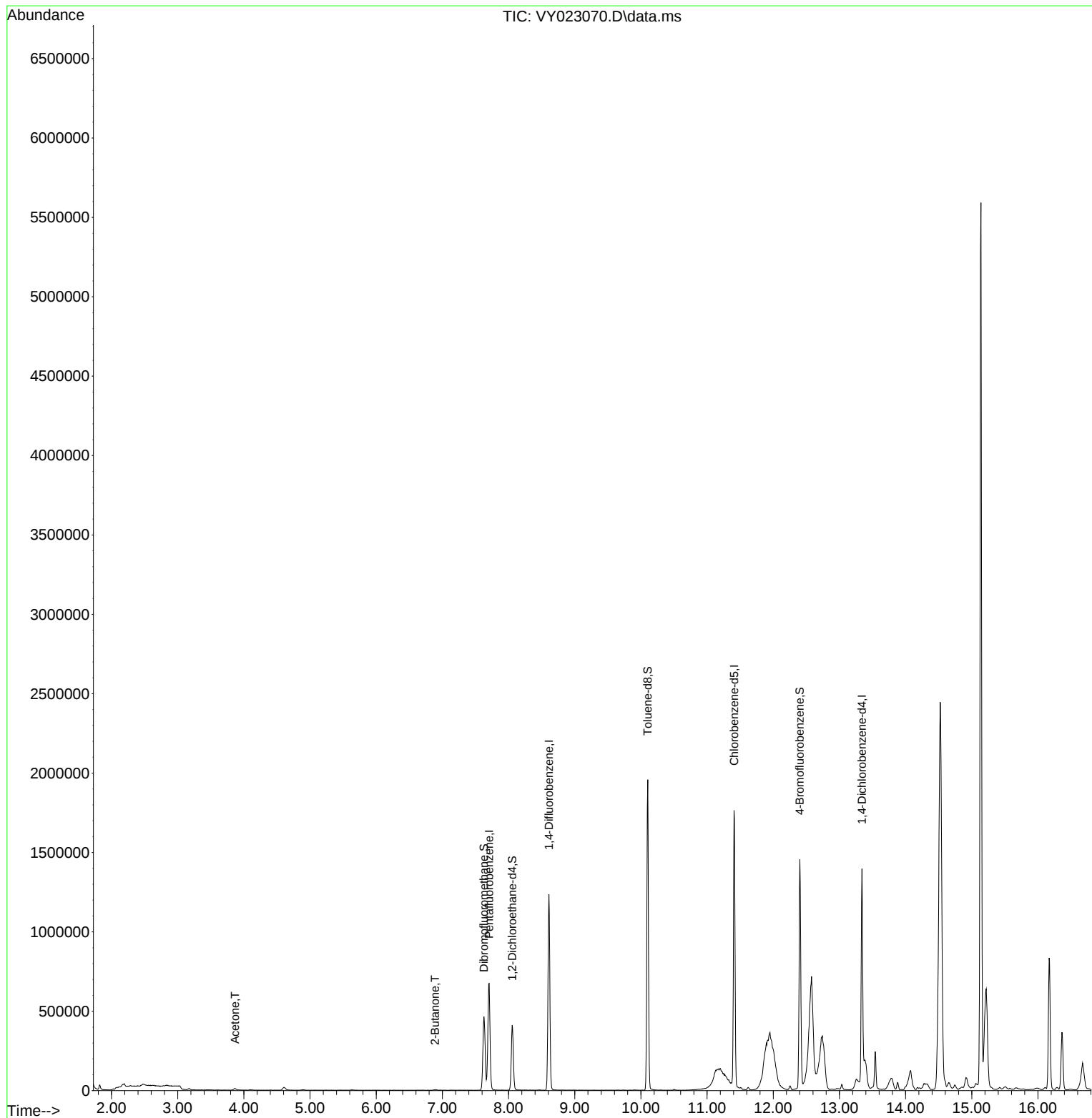
Internal Standards						
1) Pentafluorobenzene	7.707	168	520297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1036801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.407	117	905464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	338962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	311975	62.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.820%
35) Dibromofluoromethane	7.628	113	332447	53.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.180%
50) Toluene-d8	10.103	98	1243938	51.326	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.401	95	349682	44.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.720%
Target Compounds						
16) Acetone	3.866	43	17431	16.226	ug/l	97
25) 2-Butanone	6.890	43	5327	3.646	ug/l #	88

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

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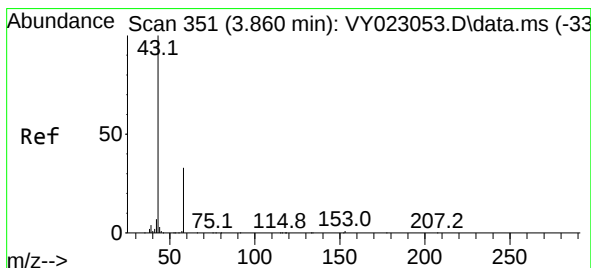
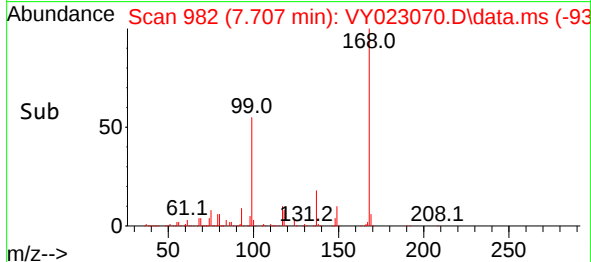
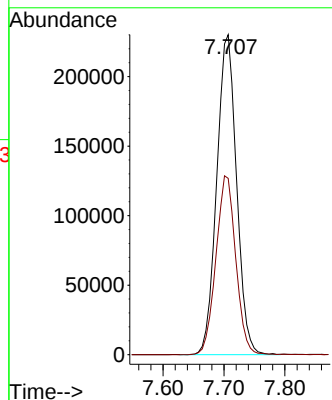
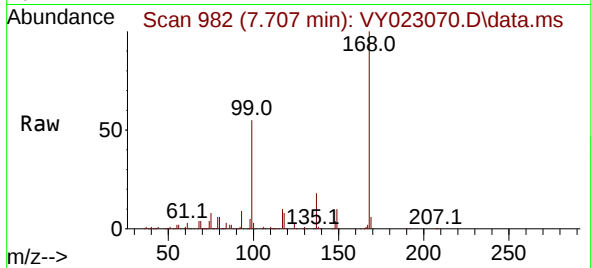




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

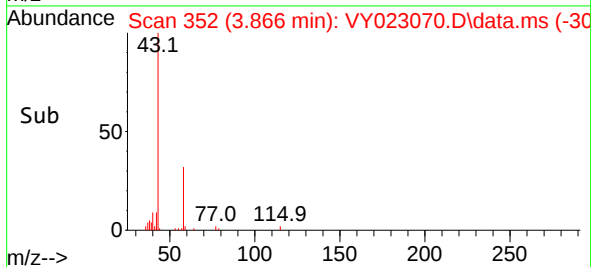
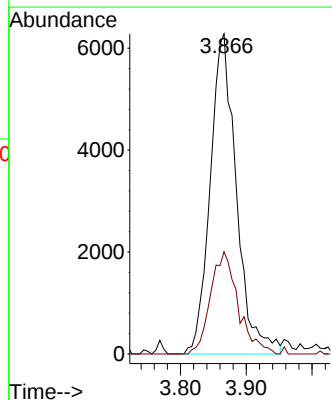
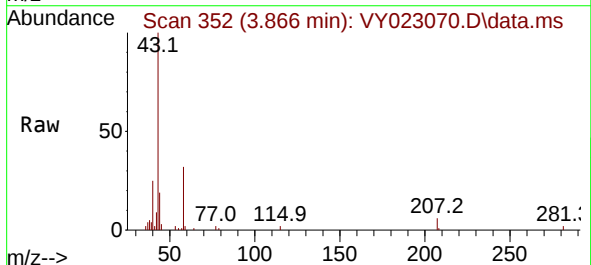
Instrument :
MSVOA_Y
ClientSampleId :
11M-E

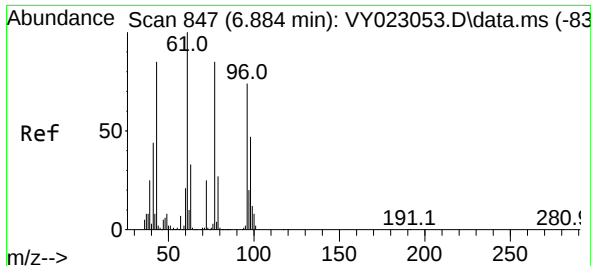
Tgt Ion:168 Resp: 520297
Ion Ratio Lower Upper
168 100
99 55.1 42.8 64.2



#16
Acetone
Concen: 16.226 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

Tgt Ion: 43 Resp: 17431
Ion Ratio Lower Upper
43 100
58 32.0 27.1 40.7





#25

2-Butanone

Concen: 3.646 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023070.D

Acq: 13 Aug 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

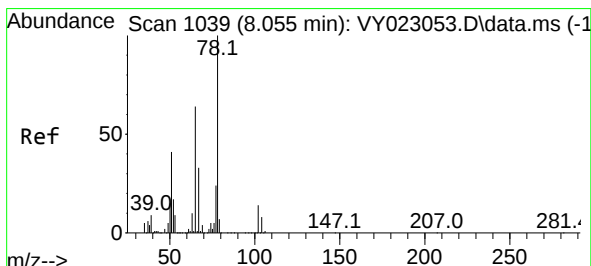
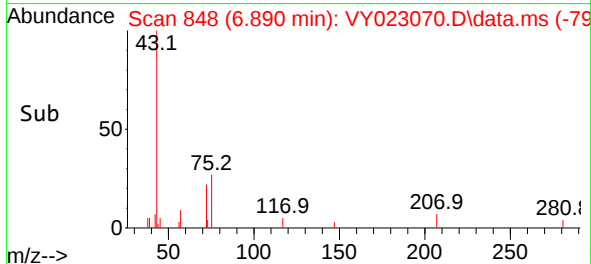
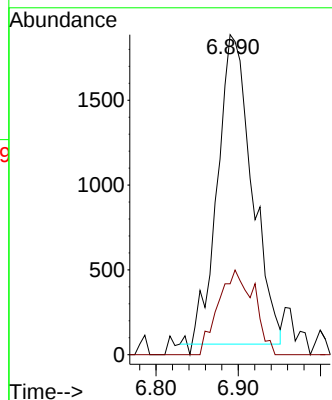
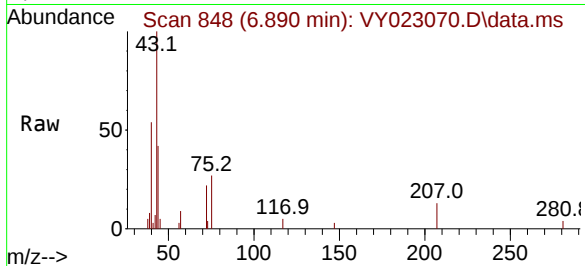
11M-E

Tgt Ion: 43 Resp: 5327

Ion Ratio Lower Upper

43 100

72 22.9 23.5 35.3#



#33

1,2-Dichloroethane-d4

Concen: 62.914 ug/l

RT: 8.054 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY023070.D

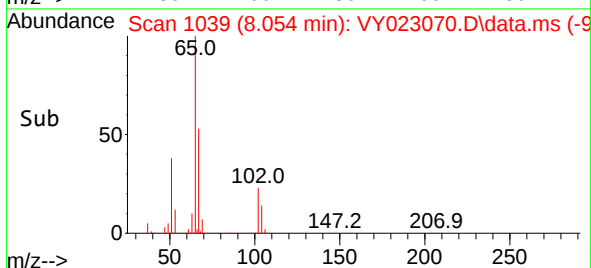
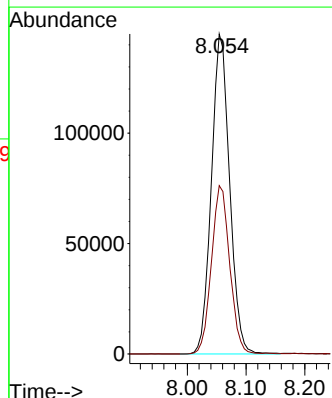
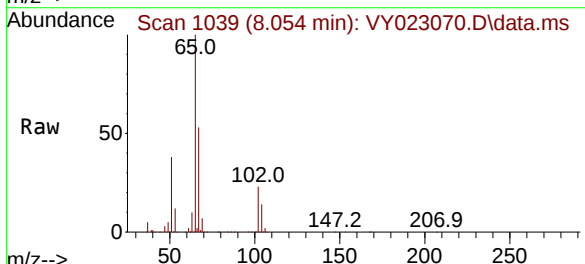
Acq: 13 Aug 2025 15:19

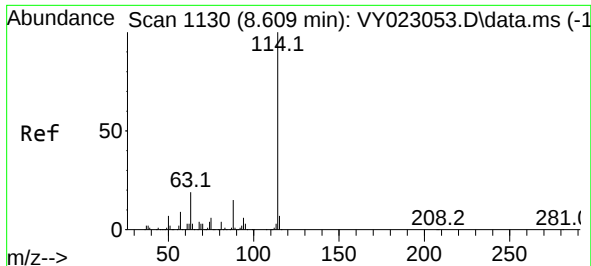
Tgt Ion: 65 Resp: 311975

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8

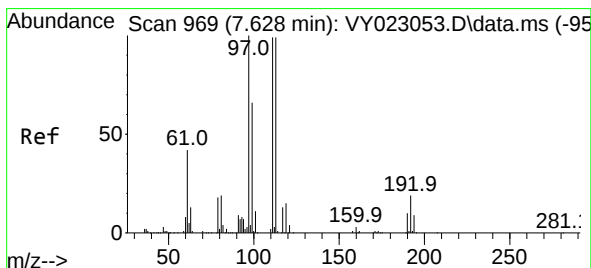
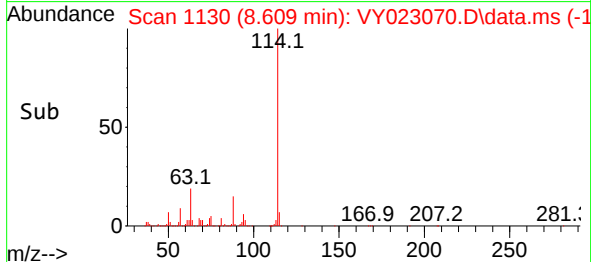
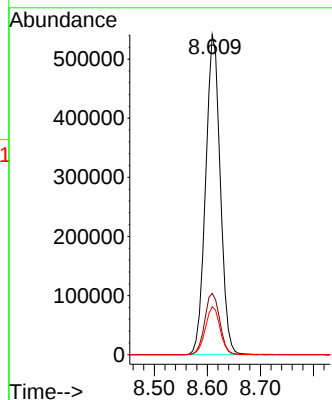
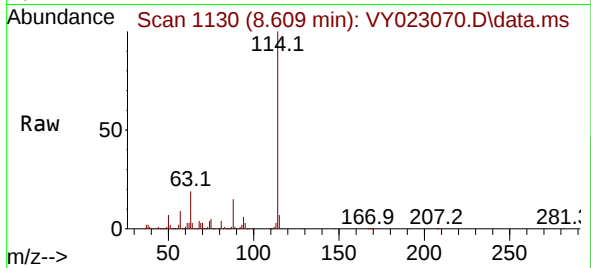




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

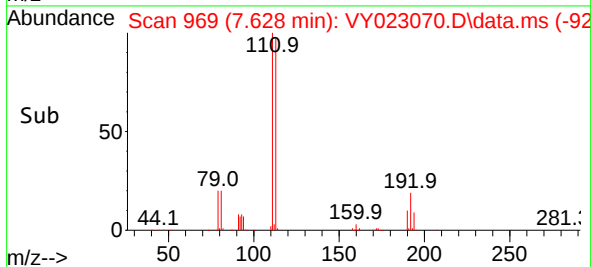
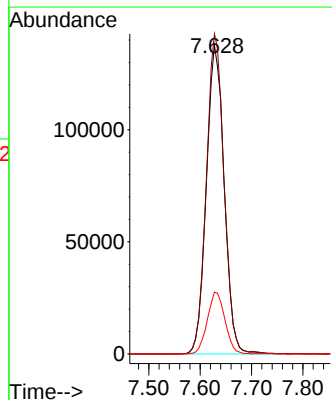
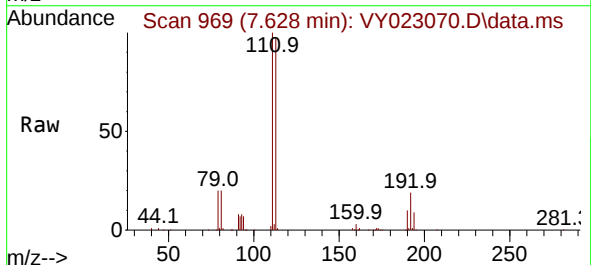
Instrument :
MSVOA_Y
ClientSampleId :
11M-E

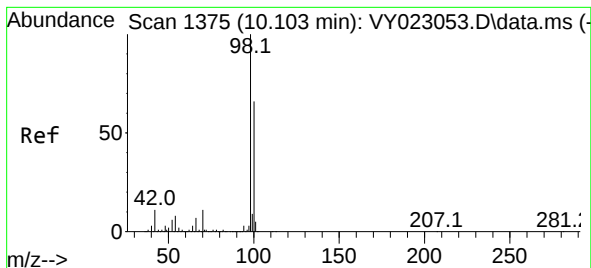
Tgt Ion:114 Resp: 1036801
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.587 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

Tgt Ion:113 Resp: 332447
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 19.8 16.2 24.4

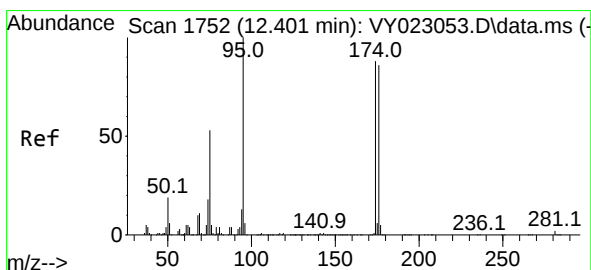
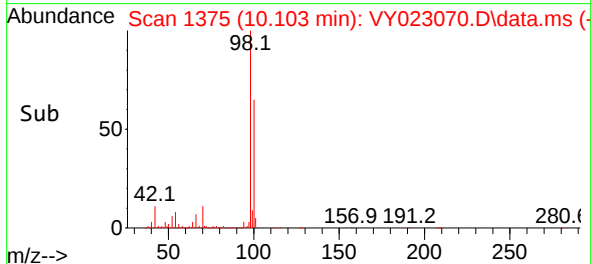
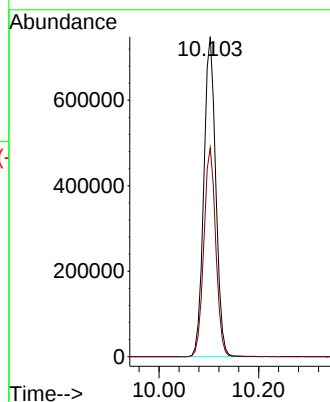
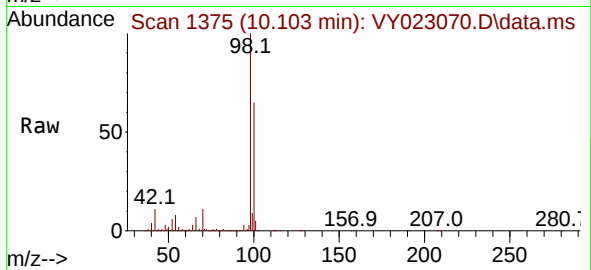




#50
Toluene-d8
Concen: 51.326 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

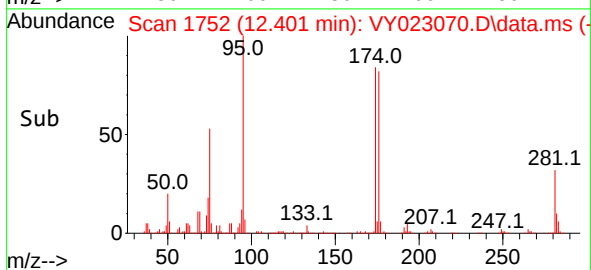
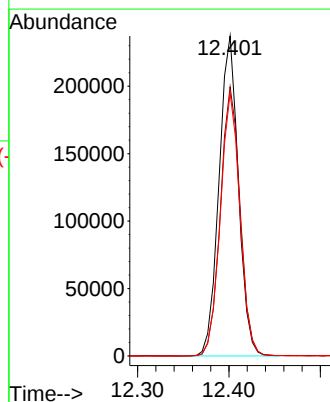
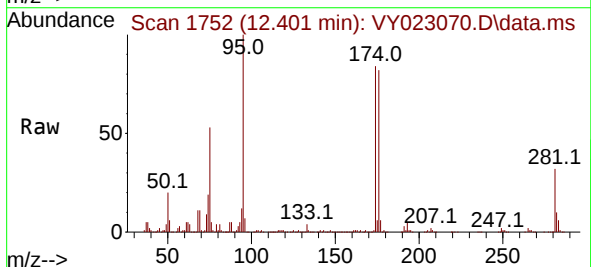
Instrument :
MSVOA_Y
ClientSampleId :
11M-E

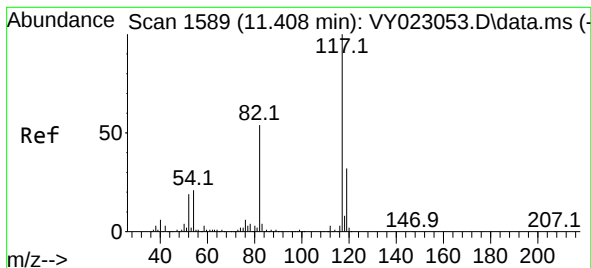
Tgt Ion: 98 Resp: 1243938
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.864 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023070.D
Acq: 13 Aug 2025 15:19

Tgt Ion: 95 Resp: 349682
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 82.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.407 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023070.D

Acq: 13 Aug 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

11M-E

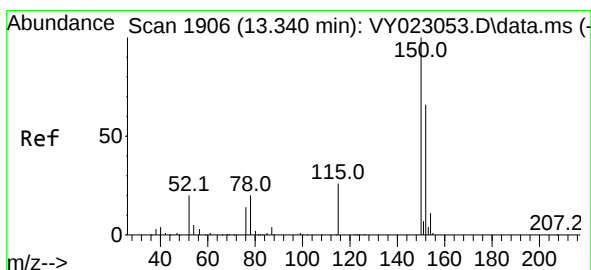
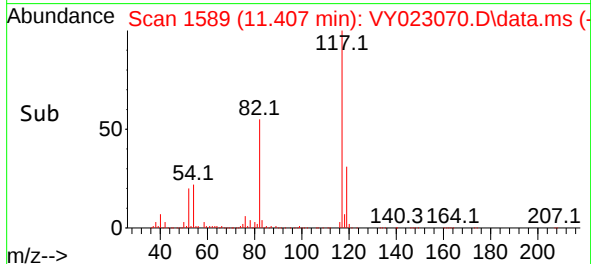
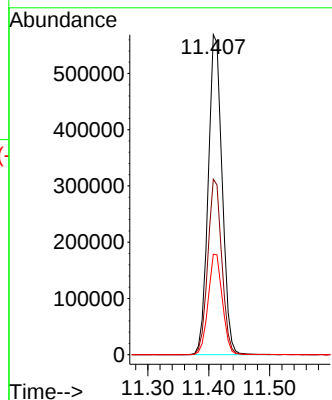
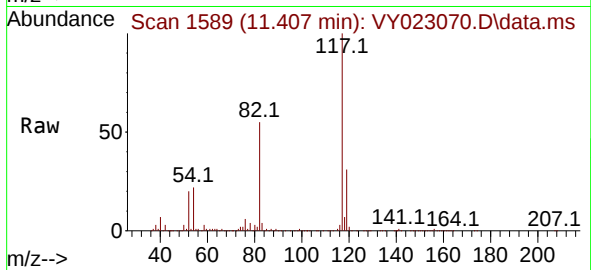
Tgt Ion:117 Resp: 905464

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 31.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023070.D

Acq: 13 Aug 2025 15:19

Tgt Ion:152 Resp: 338962

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.6

150 147.7 0.0 348.0

