

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023857.D
 Acq On : 02 Dec 2025 13:42
 Operator : SY/MD
 Sample : Q3741-06RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP4-112525RE

Quant Time: Dec 03 01:03:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

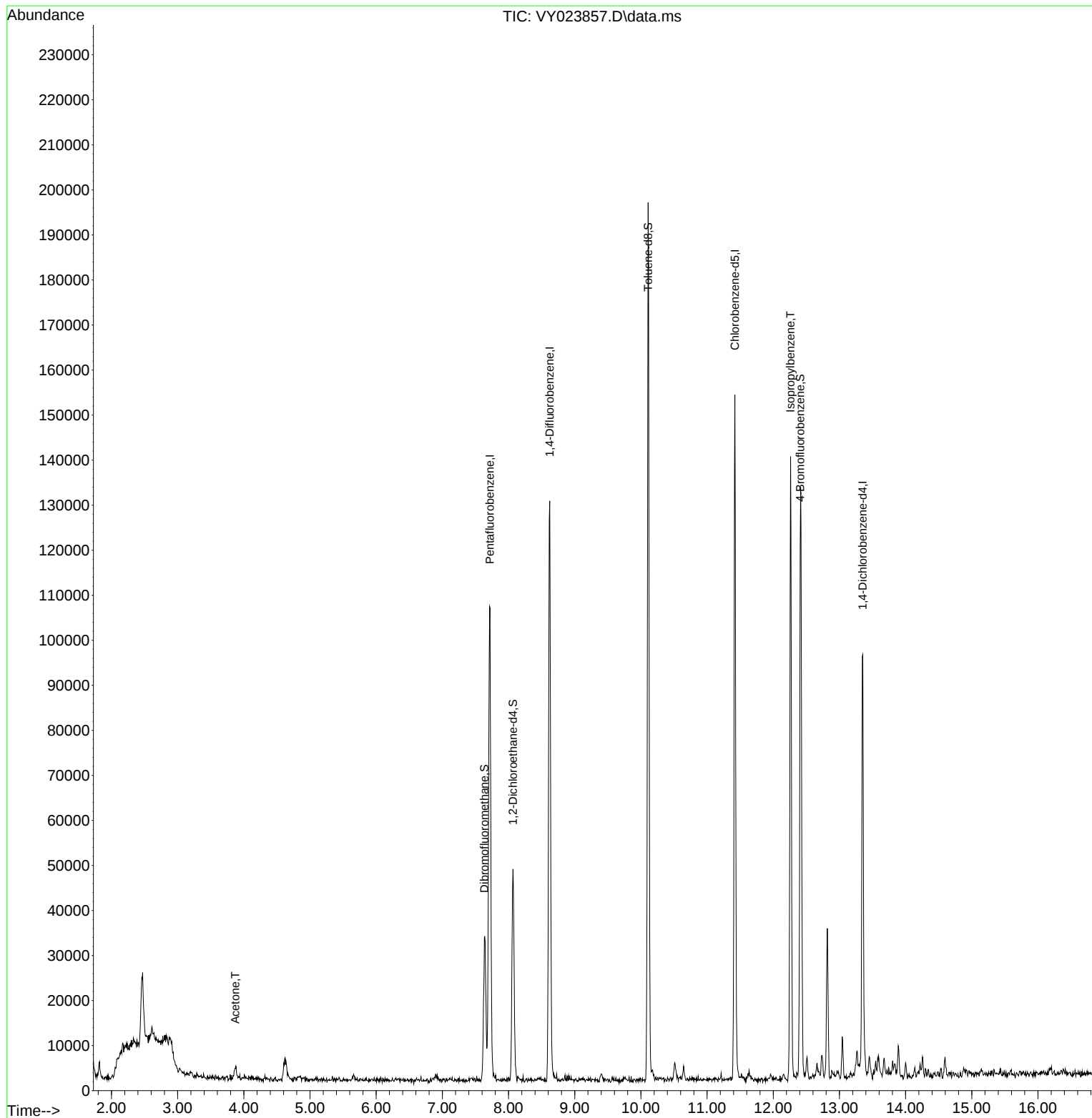
Internal Standards						
1) Pentafluorobenzene	7.719	168	84156	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	112665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	83728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	24679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37003	45.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.300%
35) Dibromofluoromethane	7.634	113	23506	35.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.440%
50) Toluene-d8	10.109	98	128458	48.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.408	95	28388	32.545	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.100%
Target Compounds						
16) Acetone	3.872	43	4873	20.637	ug/l	95
73) Isopropylbenzene	12.261	105	6625	3.782	ug/l #	71

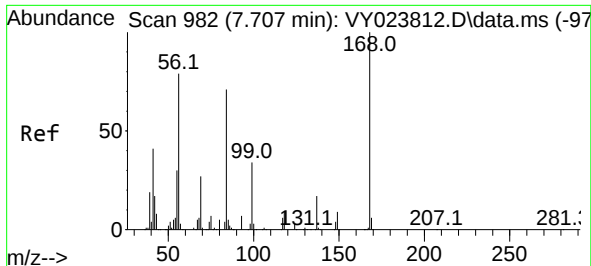
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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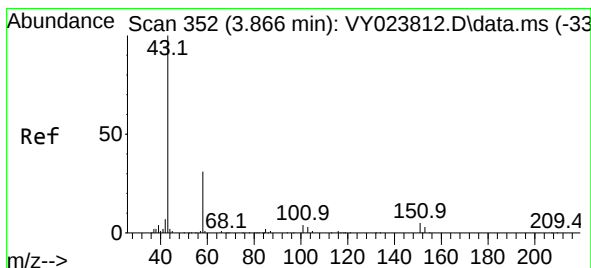
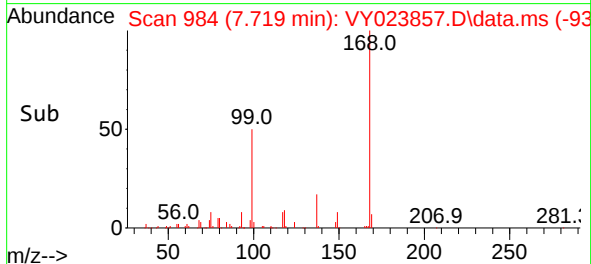
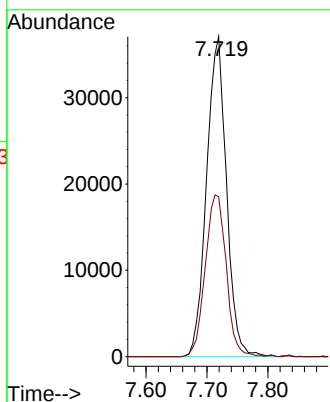
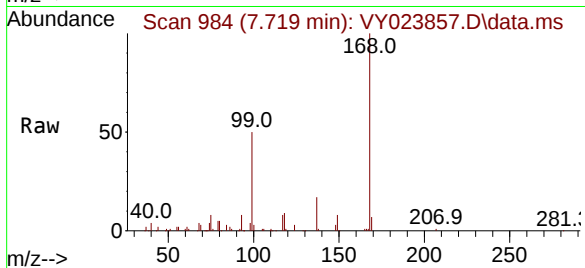




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

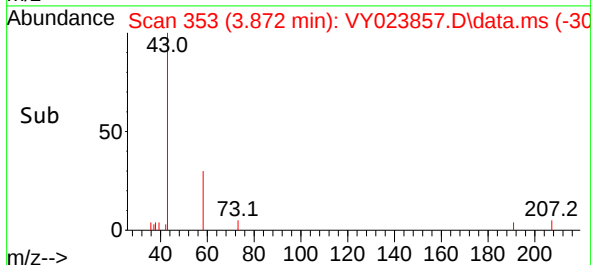
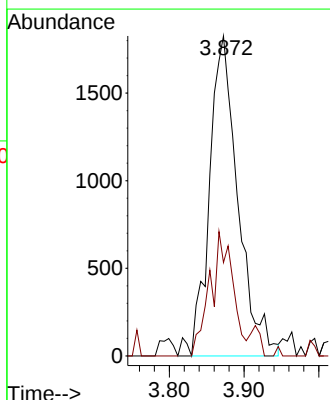
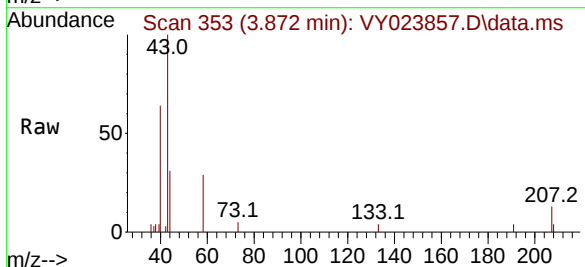
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

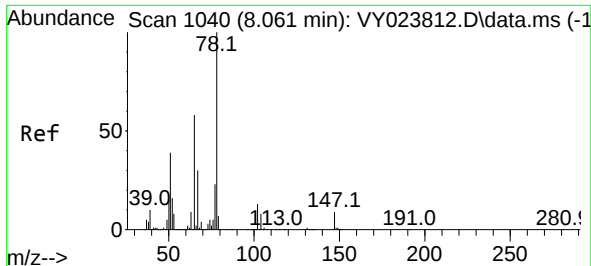
Tgt Ion:168 Resp: 84156
Ion Ratio Lower Upper
168 100
99 50.0 44.0 66.0



#16
Acetone
Concen: 20.637 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion: 43 Resp: 4873
Ion Ratio Lower Upper
43 100
58 29.2 25.4 38.2





#33

1,2-Dichloroethane-d4

Concen: 45.150 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023857.D

Acq: 02 Dec 2025 13:42

Instrument :

MSVOA_Y

ClientSampleId :

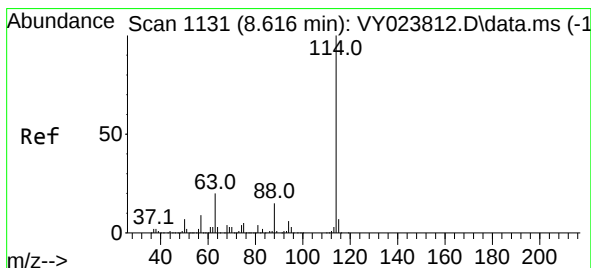
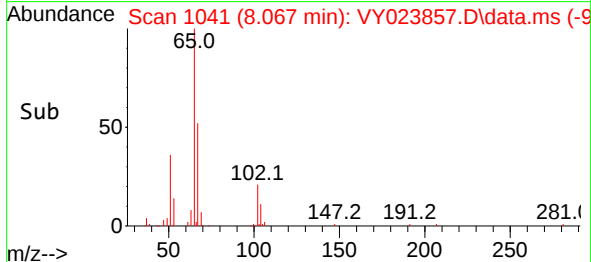
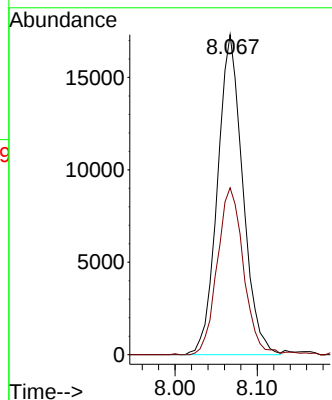
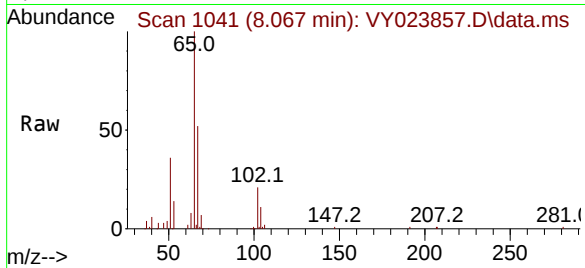
B50-SP4-112525RE

Tgt Ion: 65 Resp: 37003

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023857.D

Acq: 02 Dec 2025 13:42

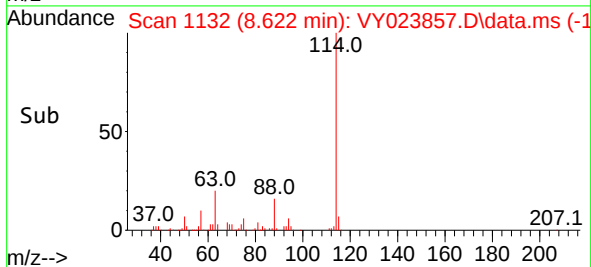
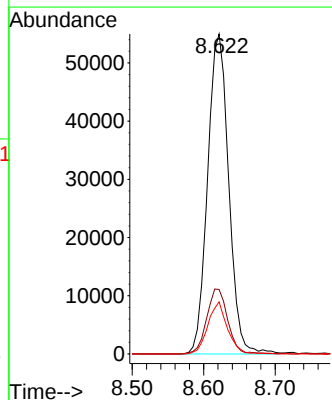
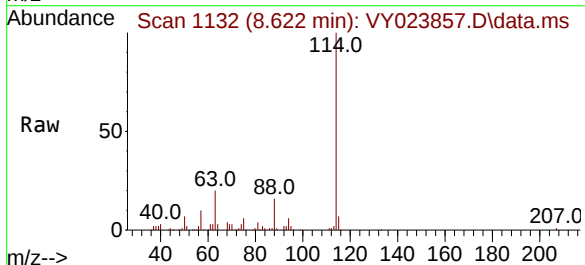
Tgt Ion: 114 Resp: 112665

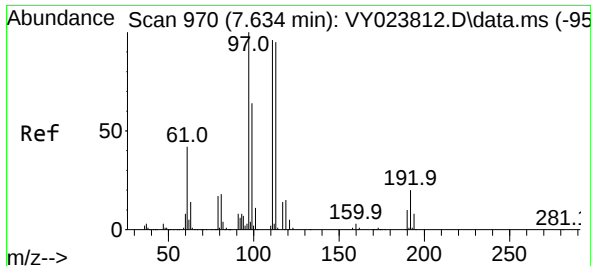
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

88 16.3 0.0 30.8

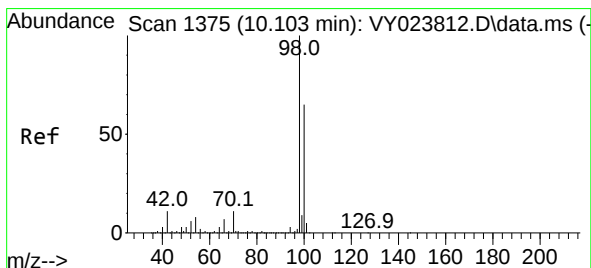
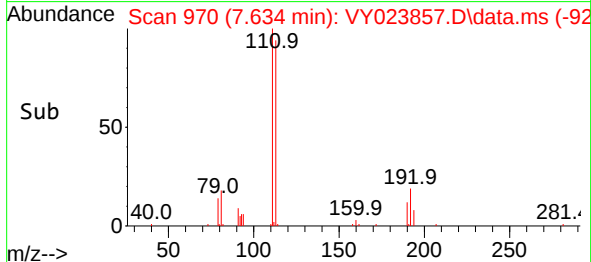
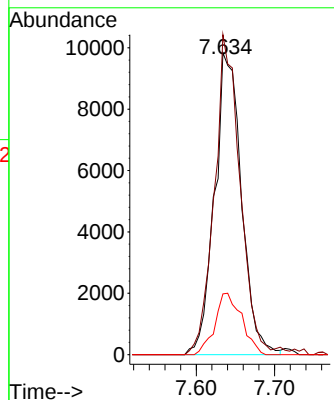
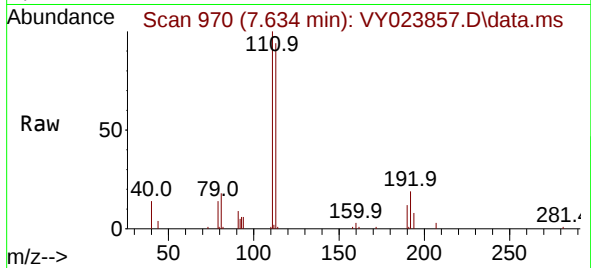




#35
Dibromofluoromethane
Concen: 35.219 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

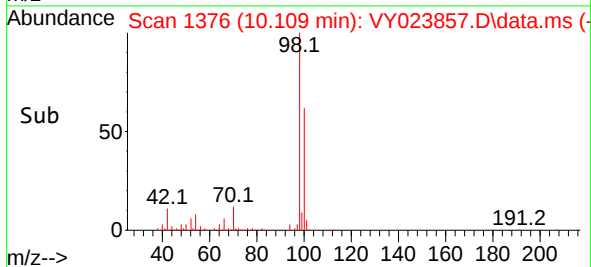
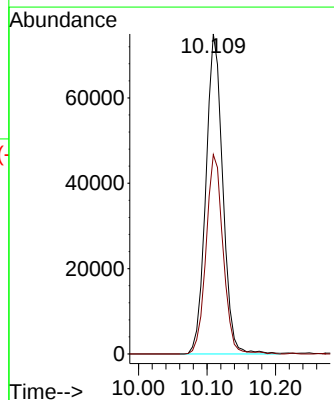
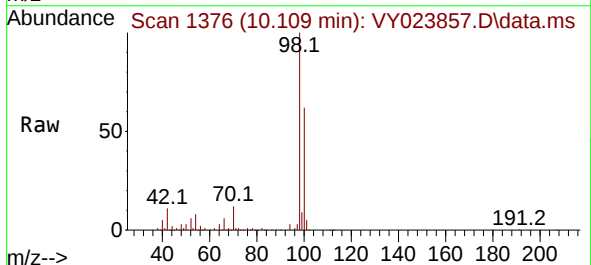
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

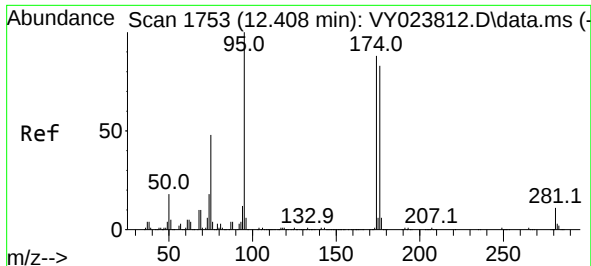
Tgt Ion:113 Resp: 23506
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 20.3 15.8 23.8



#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion: 98 Resp: 128458
Ion Ratio Lower Upper
98 100
100 62.8 51.9 77.9

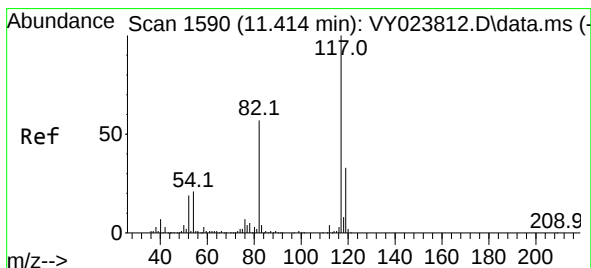
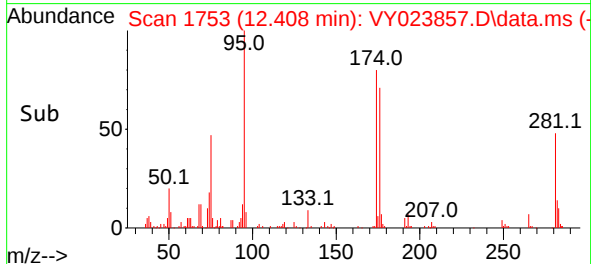
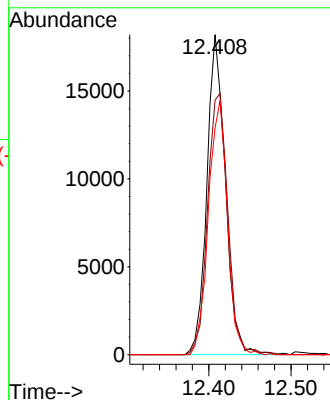
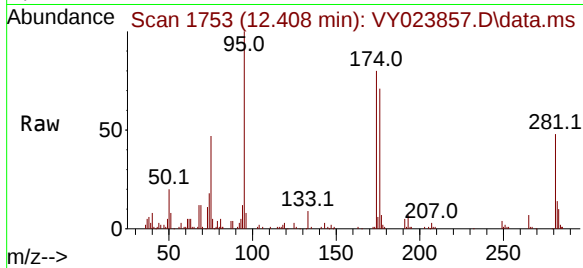




#62
4-Bromofluorobenzene
Concen: 32.545 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

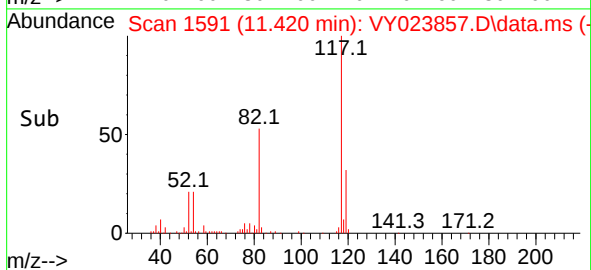
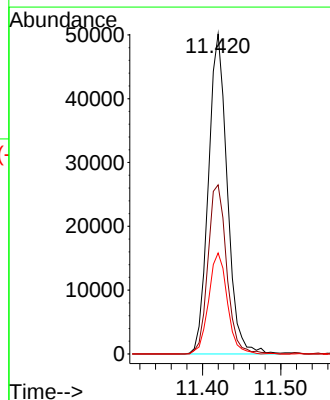
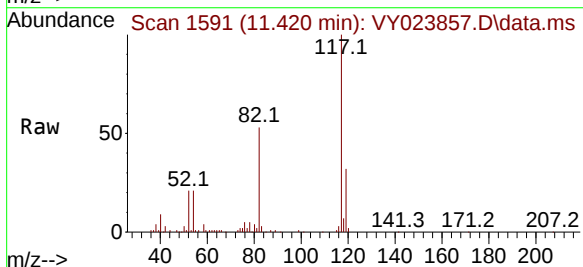
Instrument :
MSVOA_Y
ClientSampleId :
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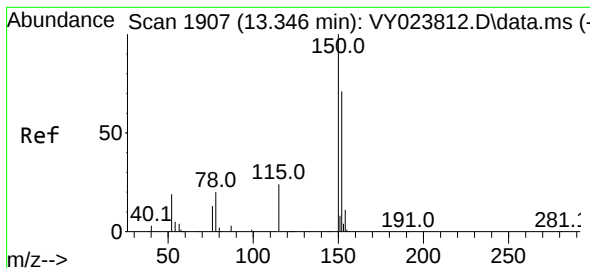
Tgt Ion:	95	Resp:	28388
Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	168.6
176	81.8	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion:	117	Resp:	83728
Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.4	68.0
119	31.6	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023857.D

Acq: 02 Dec 2025 13:42

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP4-112525RE

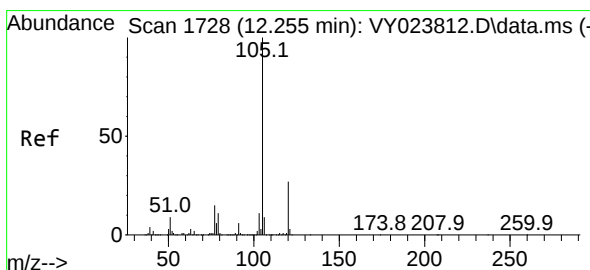
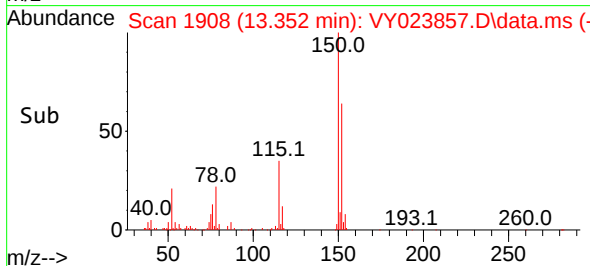
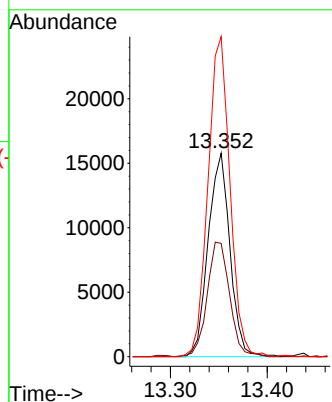
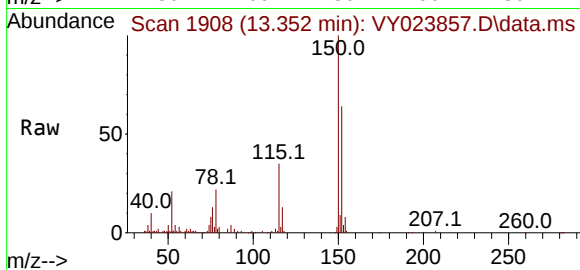
Tgt Ion:152 Resp: 24679

Ion Ratio Lower Upper

152 100

115 58.2 28.7 86.3

150 158.5 0.0 345.6



#73

Isopropylbenzene

Concen: 3.782 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. 0.006 min

Lab File: VY023857.D

Acq: 02 Dec 2025 13:42

Tgt Ion:105 Resp: 6625

Ion Ratio Lower Upper

105 100

120 11.6 13.3 39.8#

