

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023047.D
 Acq On : 22 Jul 2025 15:35
 Operator : SY/MD
 Sample : Q2668-11
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jul 23 02:05:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

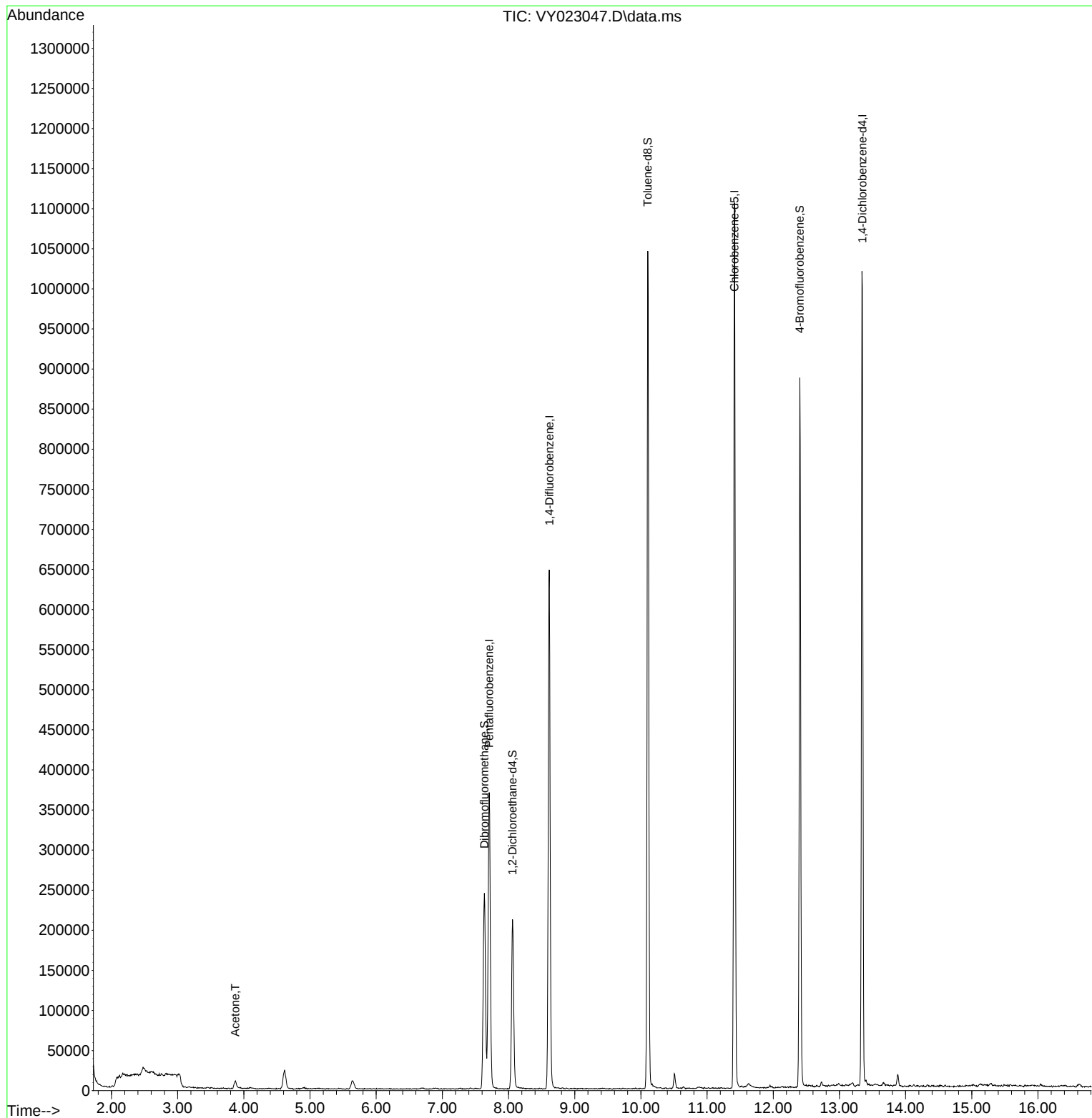
Internal Standards						
1) Pentafluorobenzene	7.707	168	280091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	544519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164158	57.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.780%
35) Dibromofluoromethane	7.634	113	173491	50.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.460%
50) Toluene-d8	10.103	98	669942	48.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.401	95	245665	56.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.960%
Target Compounds						
16) Acetone	3.873	43	15850	30.838	ug/l	Qvalue 99

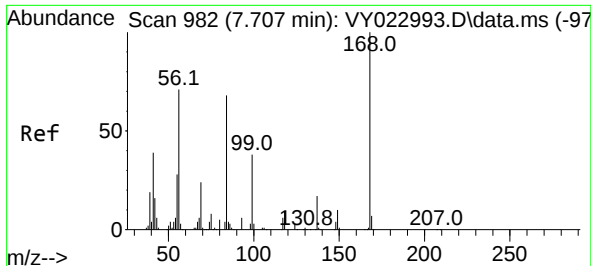
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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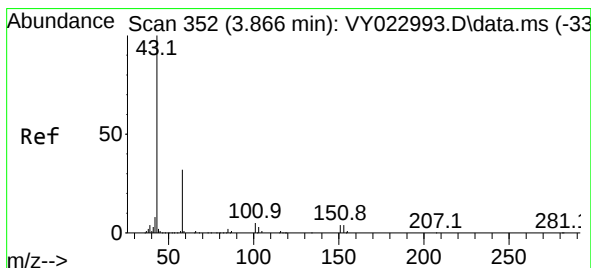
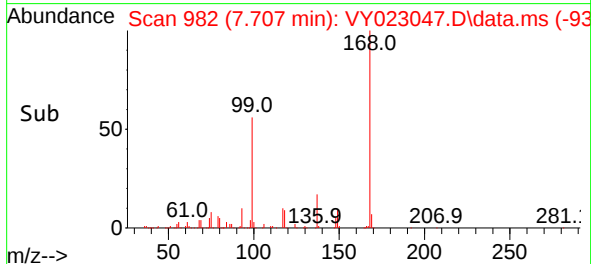
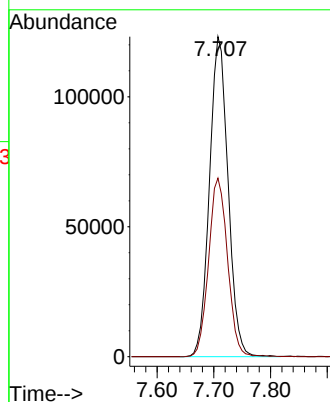
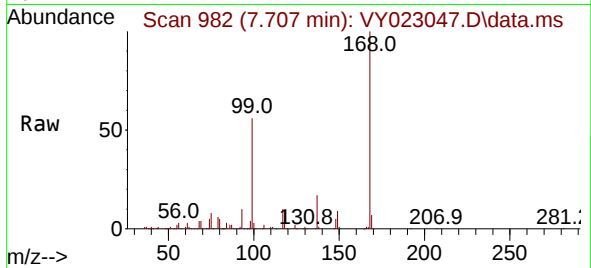




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

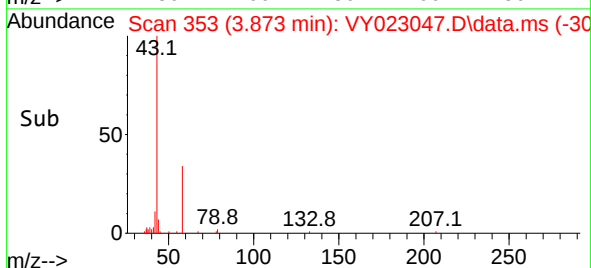
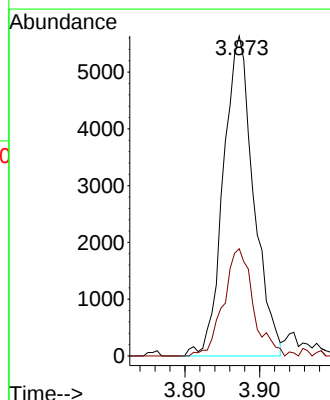
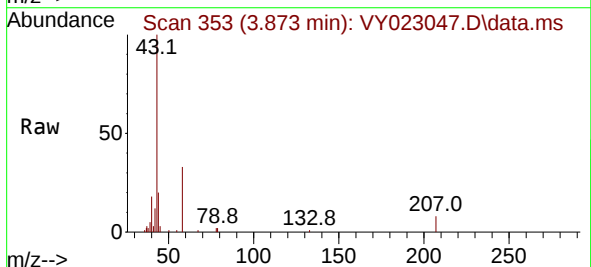
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

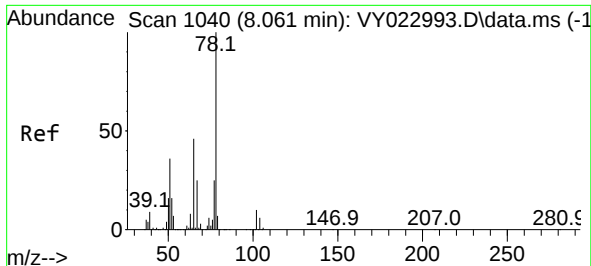
Tgt Ion:168 Resp: 280091
Ion Ratio Lower Upper
168 100
99 55.8 44.4 66.6



#16
Acetone
Concen: 30.838 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 43 Resp: 15850
Ion Ratio Lower Upper
43 100
58 33.5 26.2 39.4

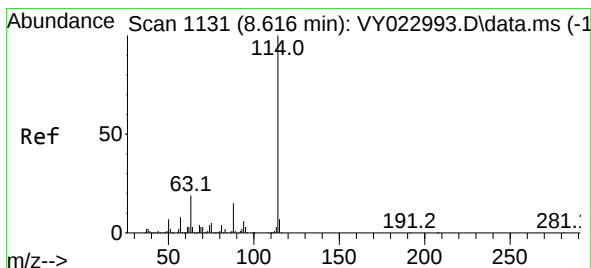
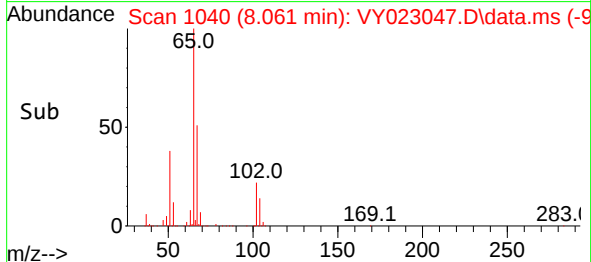
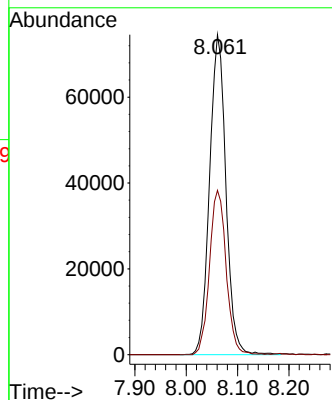
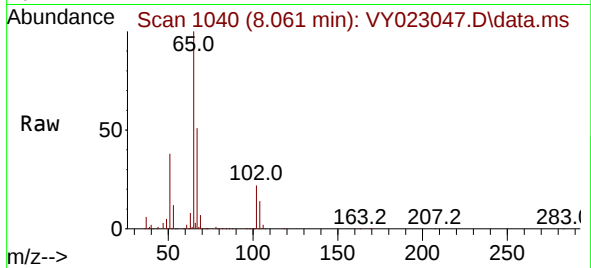




#33
 1,2-Dichloroethane-d4
 Concen: 57.895 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY023047.D
 Acq: 22 Jul 2025 15:35

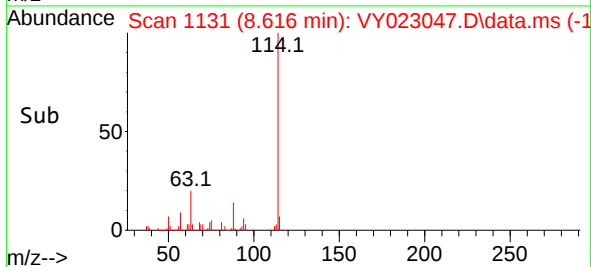
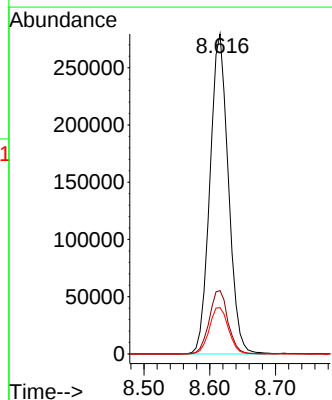
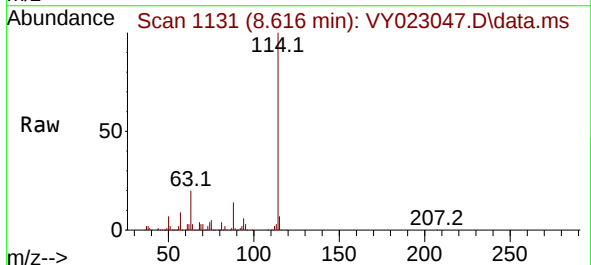
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

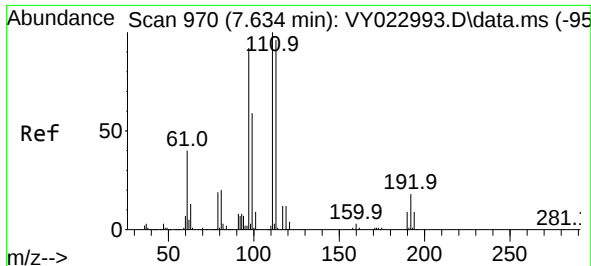
Tgt Ion: 65 Resp: 164158
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023047.D
 Acq: 22 Jul 2025 15:35

Tgt Ion: 114 Resp: 544519
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 14.5 0.0 30.2

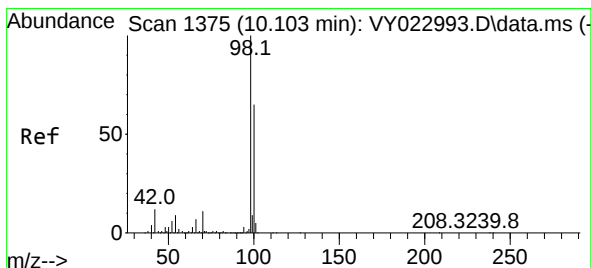
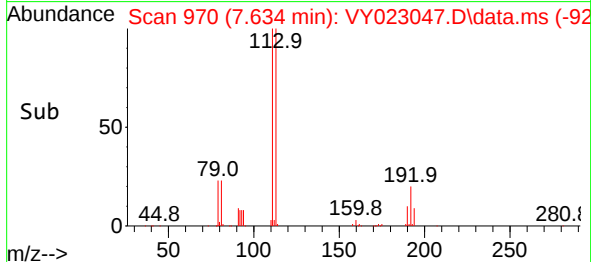
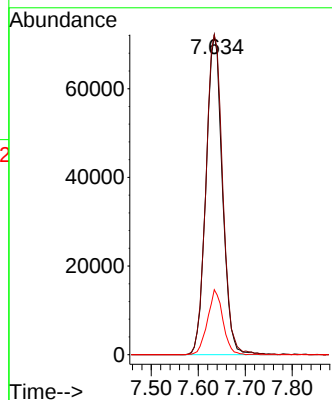
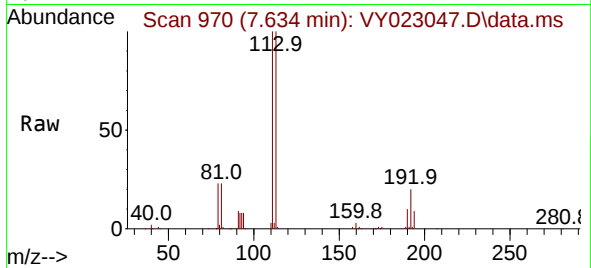




#35
Dibromofluoromethane
Concen: 50.228 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

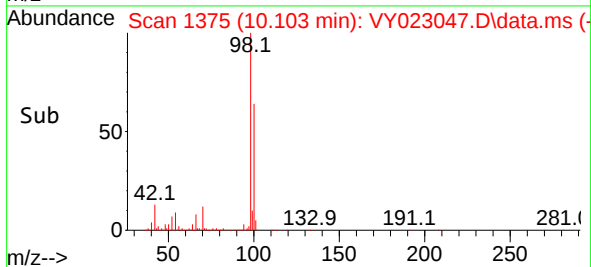
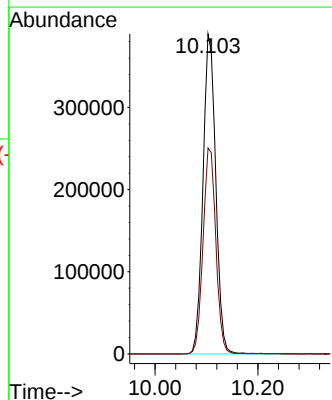
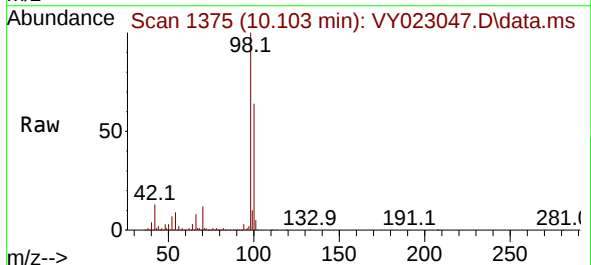
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

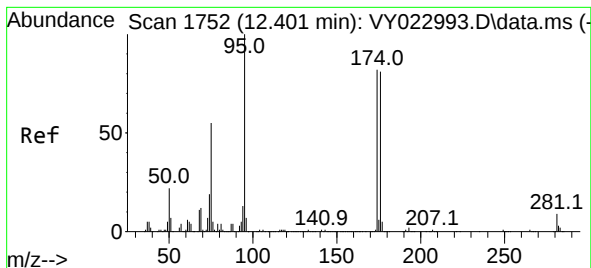
Tgt Ion:113 Resp: 173491
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 19.2 15.3 22.9



#50
Toluene-d8
Concen: 48.910 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 98 Resp: 669942
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

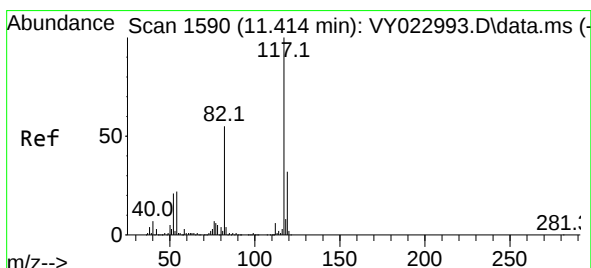
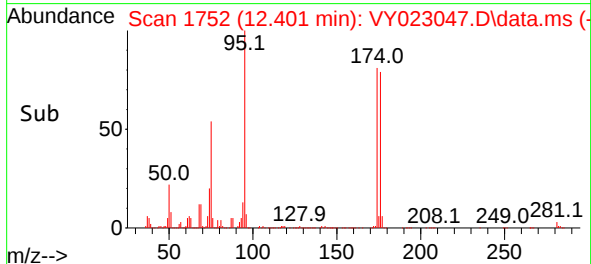
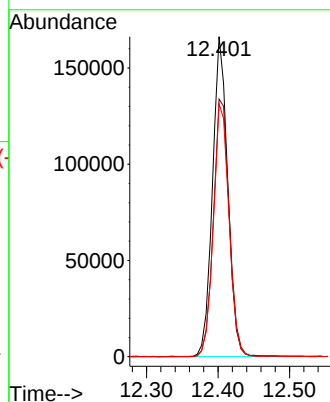
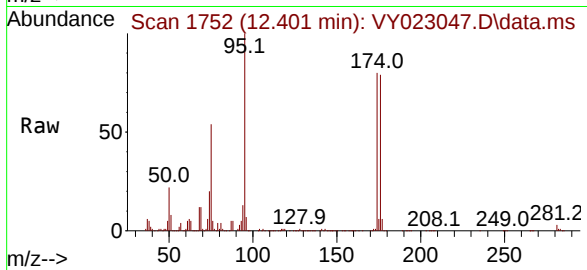




#62
4-Bromofluorobenzene
Concen: 56.975 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

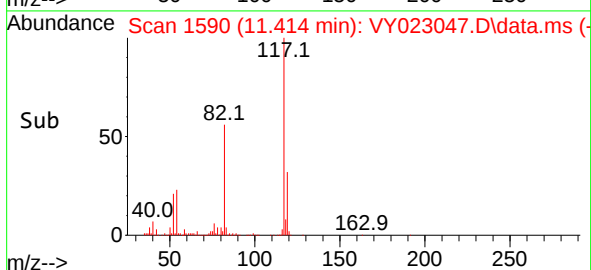
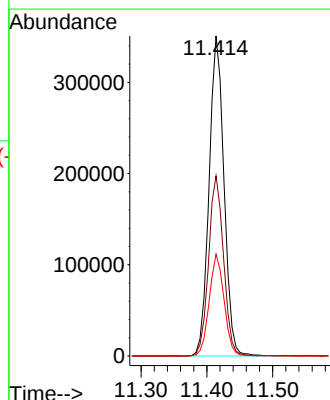
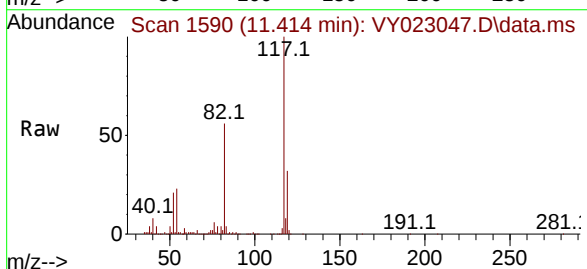
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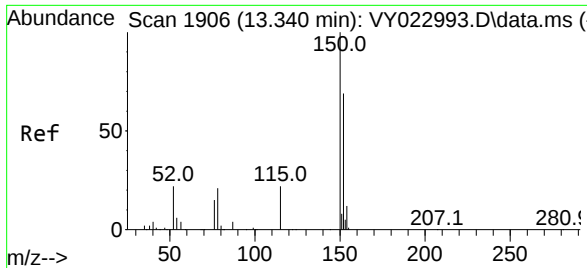
Tgt Ion: 95 Resp: 245665
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 80.7 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 117 Resp: 554115
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 31.8 25.8 38.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023047.D
 Acq: 22 Jul 2025 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Tgt Ion:	152	Resp:	251091
Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	156.8	0.0	350.0

