

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023532.D
 Acq On : 21 Oct 2025 14:12
 Operator : SY/MD
 Sample : Q3402-07
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41-LB

Quant Time: Oct 22 12:27:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 07 14:25:11 2025
 Response via : Initial Calibration

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

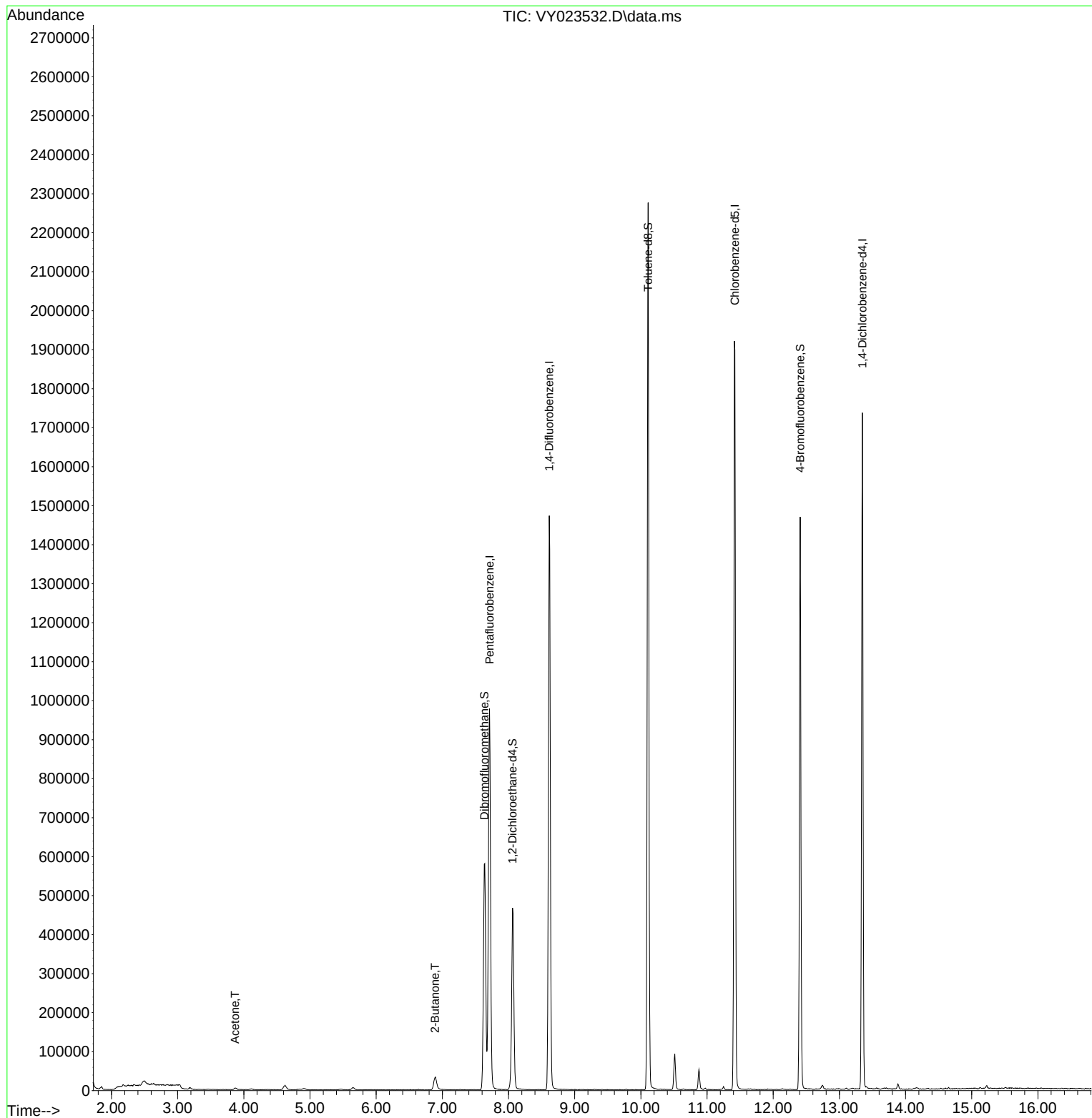
Internal Standards						
1) Pentafluorobenzene	7.713	168	828750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1359527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1131748	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	466860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	349256	50.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.800%
35) Dibromofluoromethane	7.634	113	419543	50.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.440%
50) Toluene-d8	10.109	98	1511671	48.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.408	95	424919	41.371	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.740%
Target Compounds						
						Qvalue
16) Acetone	3.867	43	7280	4.413	ug/l	96
25) 2-Butanone	6.890	43	2803	1.392	ug/l #	83

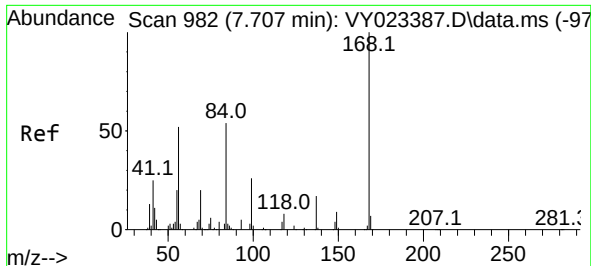
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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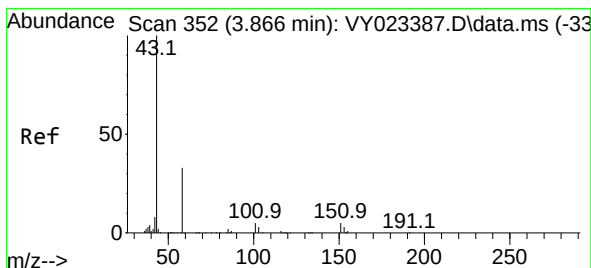
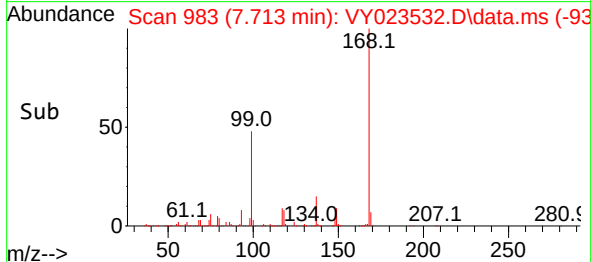
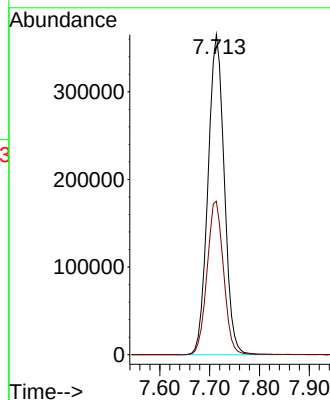
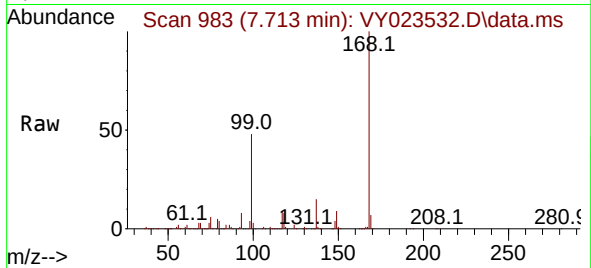




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

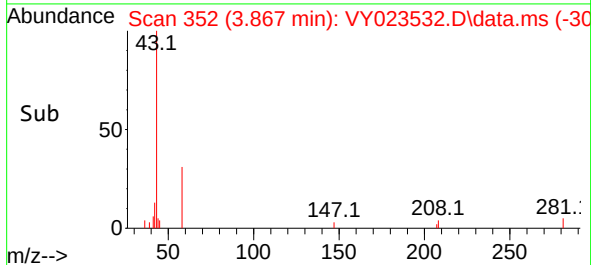
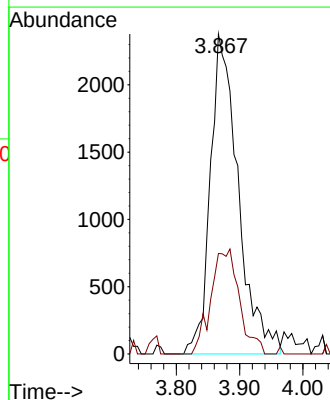
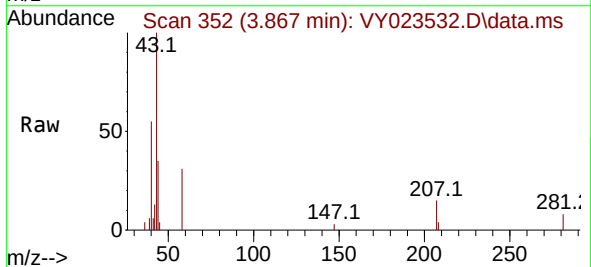
Instrument :
MSVOA_Y
ClientSampleId :
41-LB

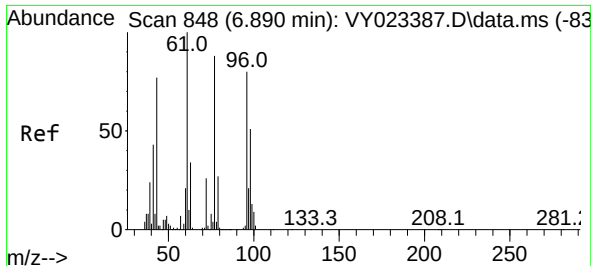
Tgt Ion:168 Resp: 828750
Ion Ratio Lower Upper
168 100
99 47.9 42.8 64.2



#16
Acetone
Concen: 4.413 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Tgt Ion: 43 Resp: 7280
Ion Ratio Lower Upper
43 100
58 31.4 27.1 40.7

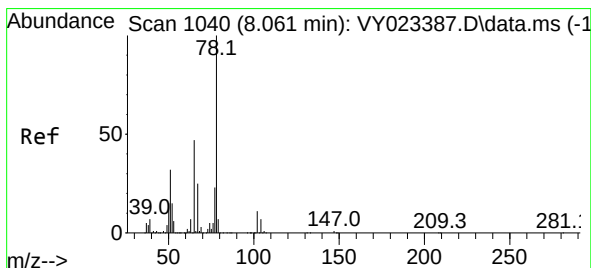
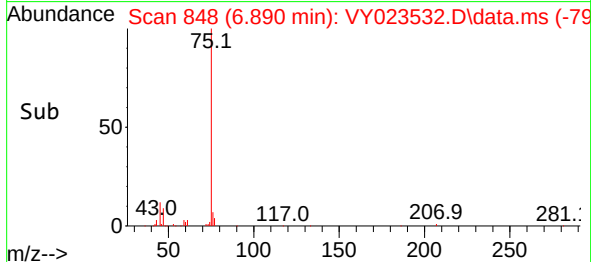
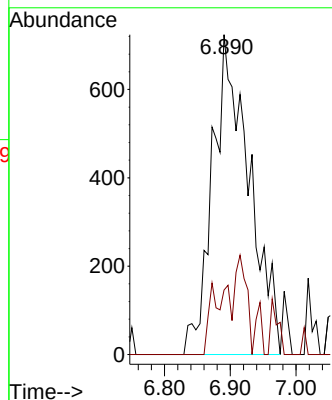
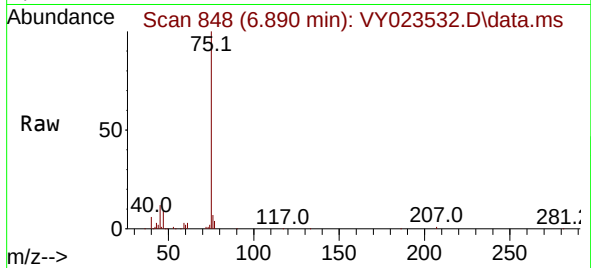




#25
2-Butanone
Concen: 1.392 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

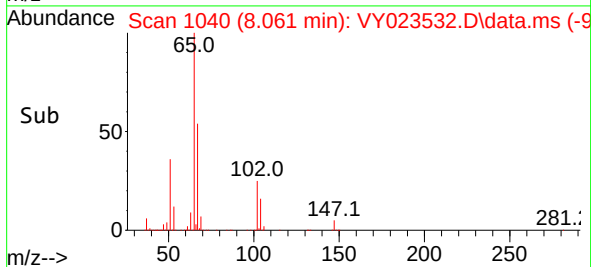
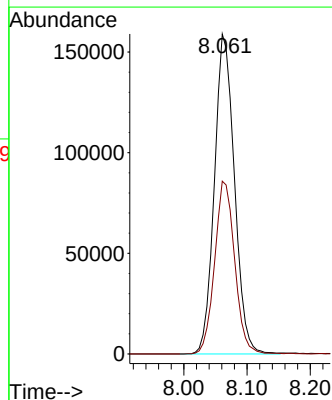
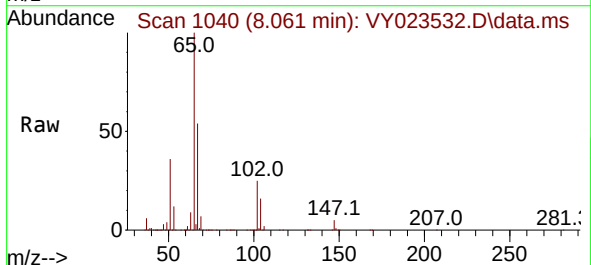
Instrument :
MSVOA_Y
ClientSampleId :
41-LB

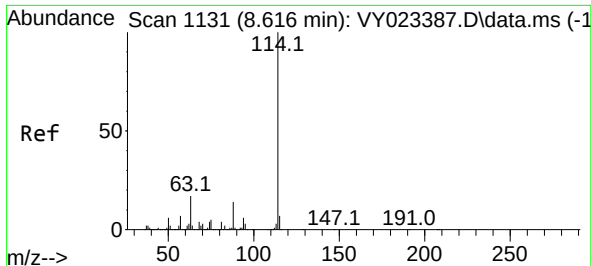
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
72 20.2 23.5 35.3#



#33
1,2-Dichloroethane-d4
Concen: 50.397 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Tgt Ion: 65 Resp: 349256
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8

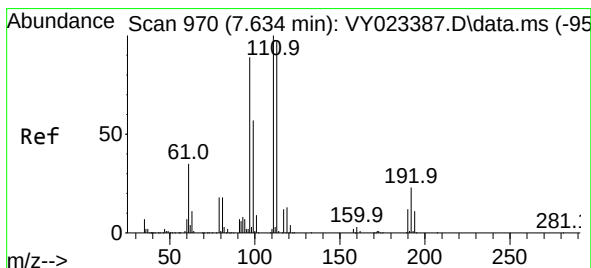
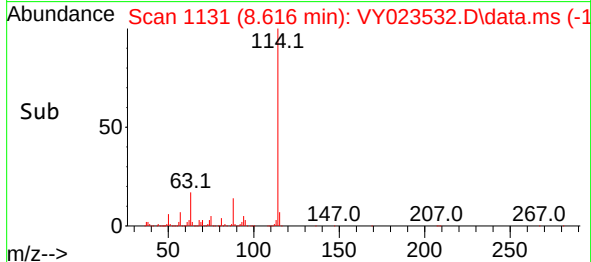
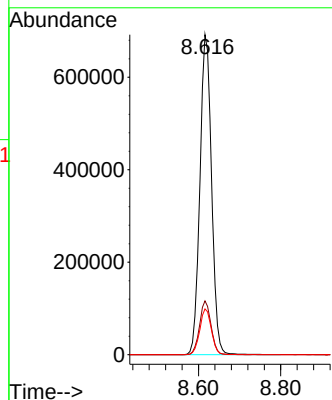
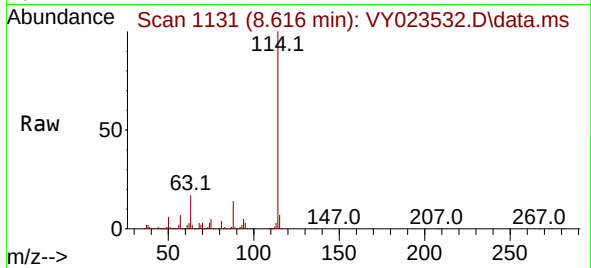




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

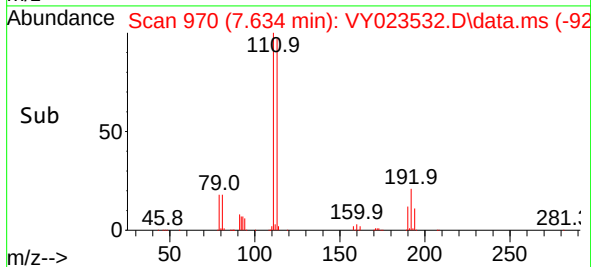
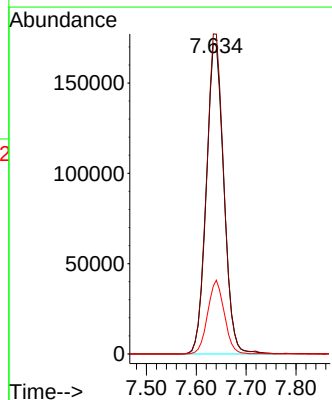
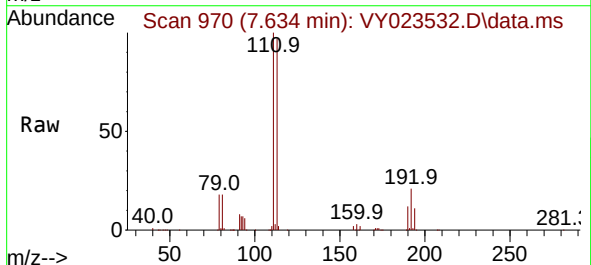
Instrument :
MSVOA_Y
ClientSampleId :
41-LB

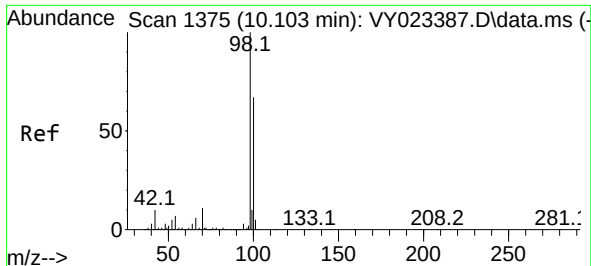
Tgt Ion:114 Resp: 1359527
Ion Ratio Lower Upper
114 100
63 16.8 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 50.223 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Tgt Ion:113 Resp: 419543
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 22.6 16.2 24.4

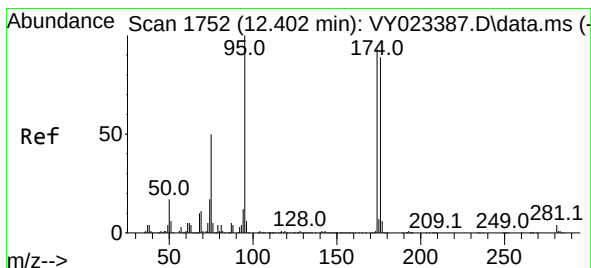
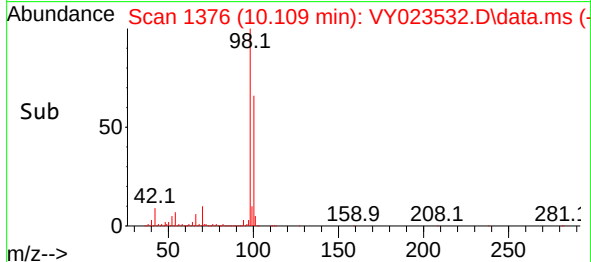
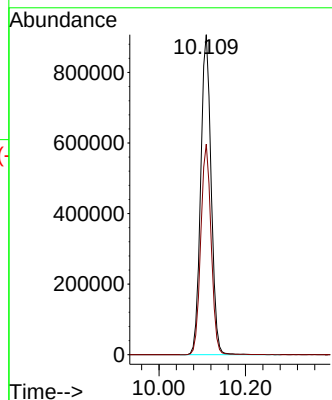
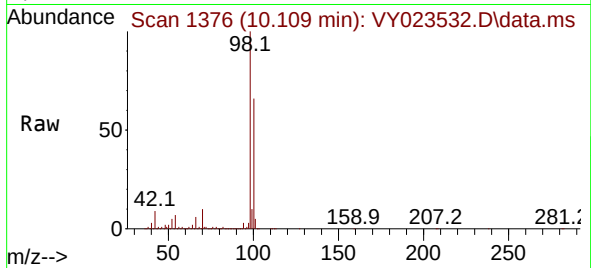




#50
Toluene-d8
Concen: 48.591 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

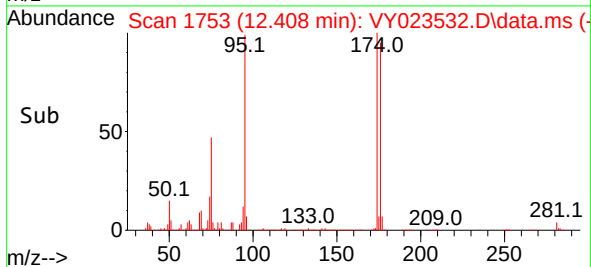
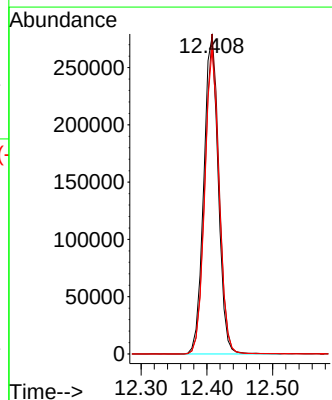
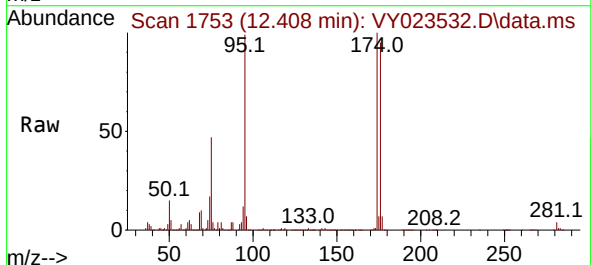
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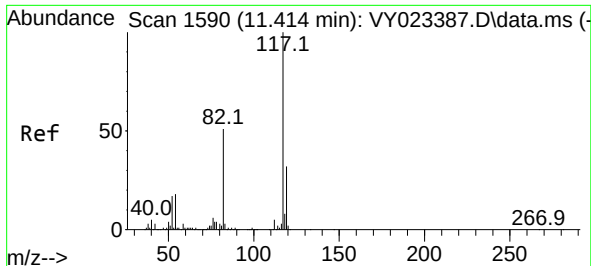
Tgt Ion: 98 Resp: 1511671
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.371 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Tgt Ion: 95 Resp: 424919
Ion Ratio Lower Upper
95 100
174 98.7 0.0 171.6
176 94.4 0.0 167.6

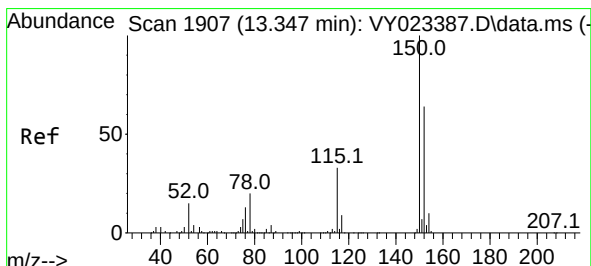
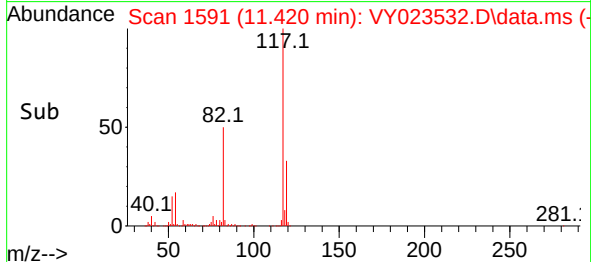
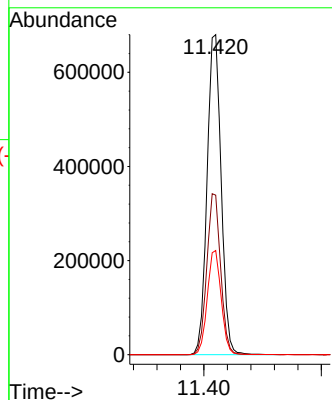
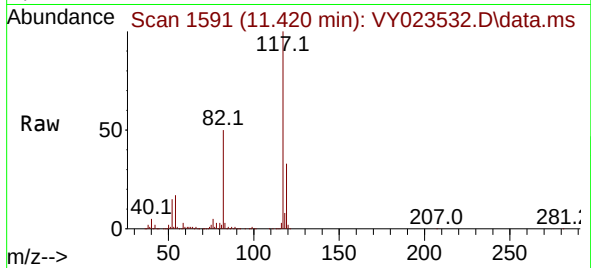




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
41-LB

Tgt Ion:117 Resp: 1131748
Ion Ratio Lower Upper
117 100
82 49.8 43.4 65.0
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023532.D
Acq: 21 Oct 2025 14:12

Tgt Ion:152 Resp: 466860
Ion Ratio Lower Upper
152 100
115 54.6 28.2 84.6
150 155.7 0.0 348.0

