

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023657.D
 Acq On : 03 Nov 2025 14:37
 Operator : SY/MD
 Sample : Q3503-03
 Misc : 3.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 323

Quant Time: Nov 04 01:34:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

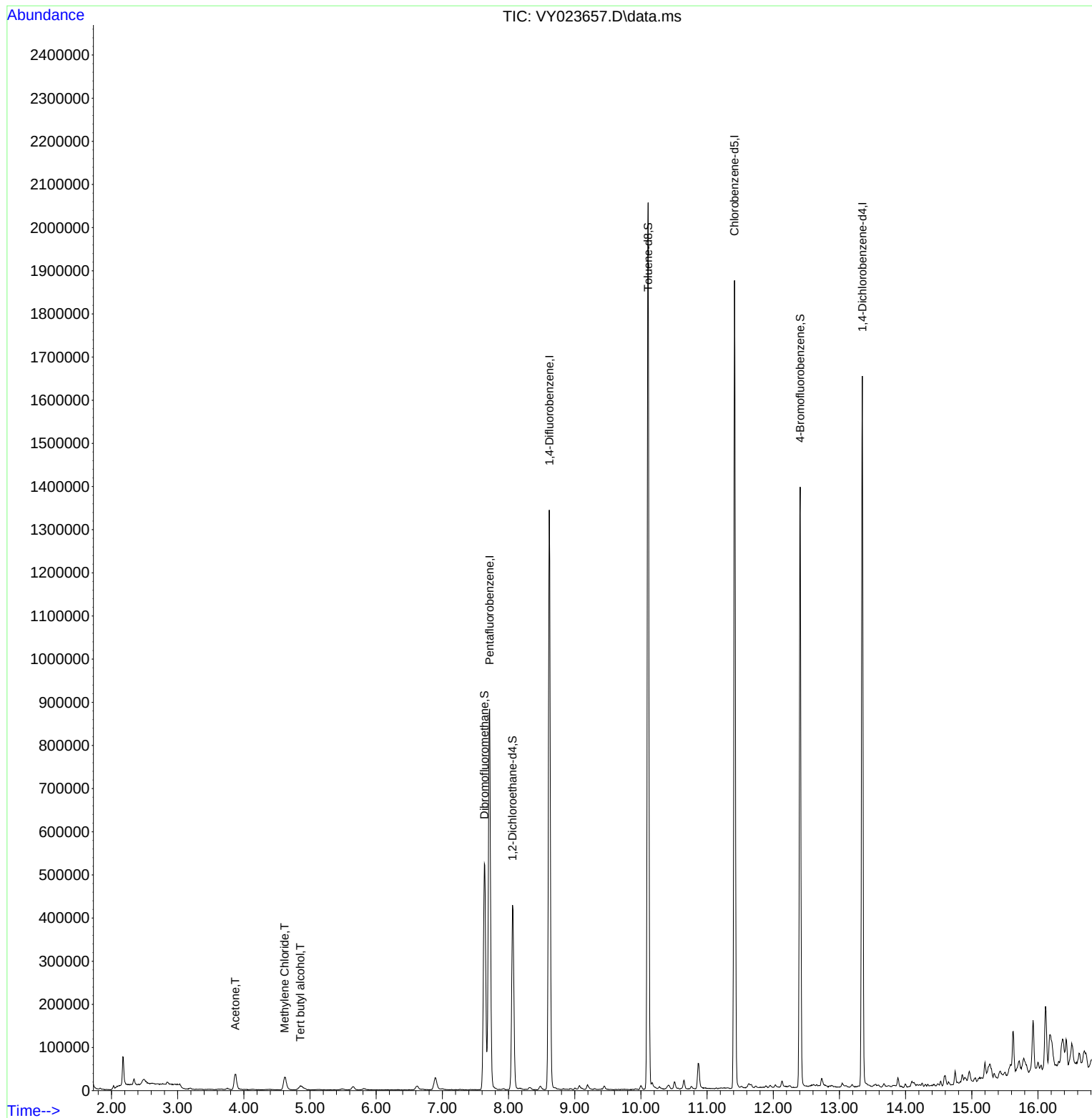
Internal Standards						
1) Pentafluorobenzene	7.713	168	752255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1234030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1053828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	446564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335361	53.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.634	113	383161	50.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.060%	
50) Toluene-d8	10.109	98	1382145	48.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.408	95	419666	45.015	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.040%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.854	59	17721	37.867	ug/l	100
16) Acetone	3.873	43	63923	42.685	ug/l	94
20) Methylene Chloride	4.616	84	24007	2.965	ug/l	97

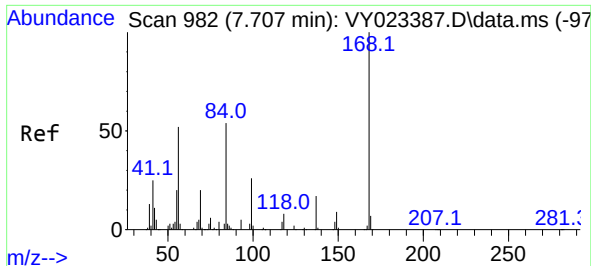
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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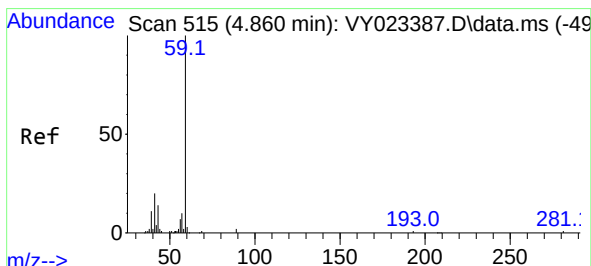
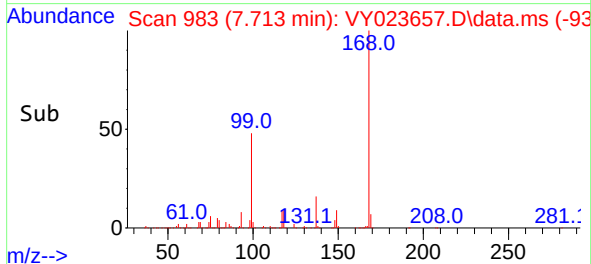
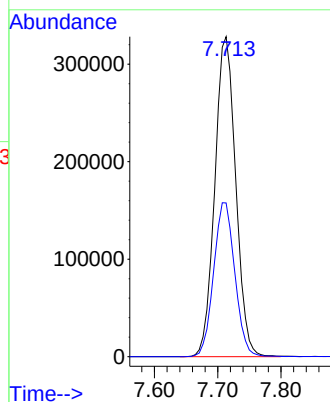
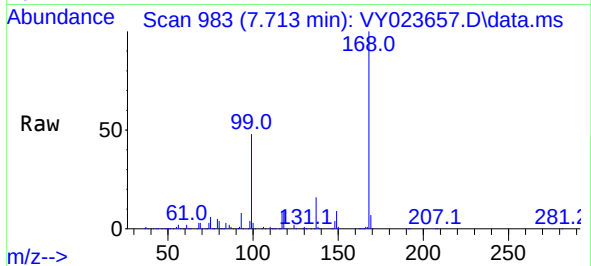




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

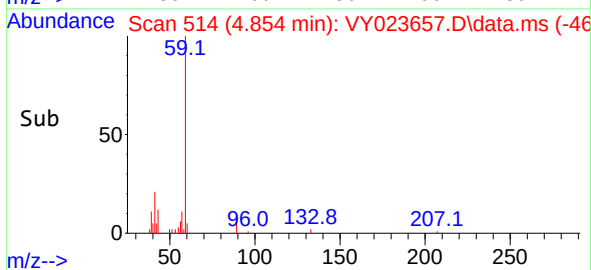
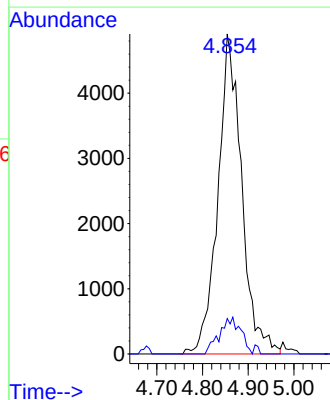
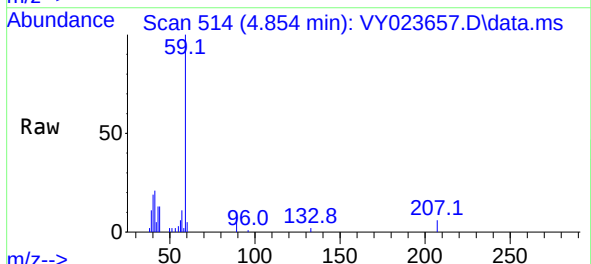
Instrument :
MSVOA_Y
ClientSampleId :
323

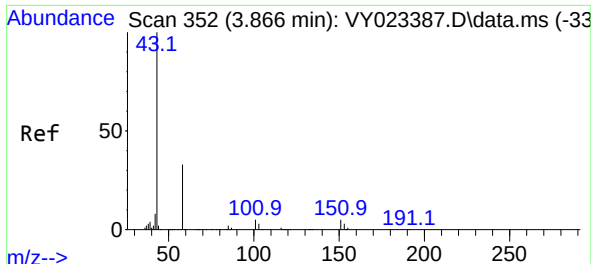
Tgt Ion:168 Resp: 752255
Ion Ratio Lower Upper
168 100
99 48.0 39.7 59.5



#11
Tert butyl alcohol
Concen: 37.867 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

Tgt Ion: 59 Resp: 17721
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

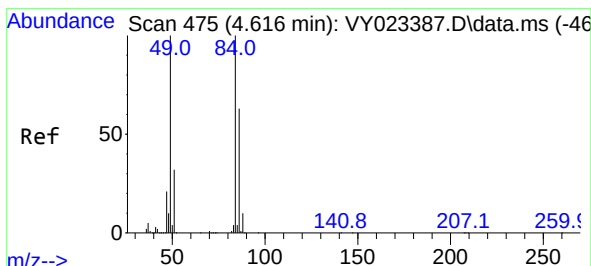
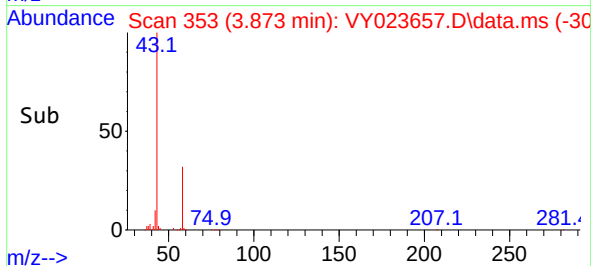
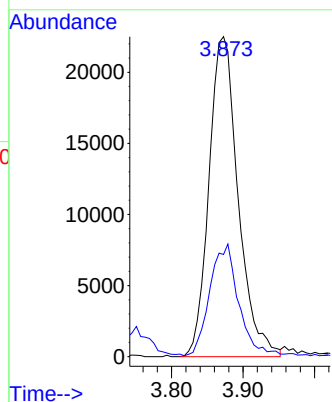
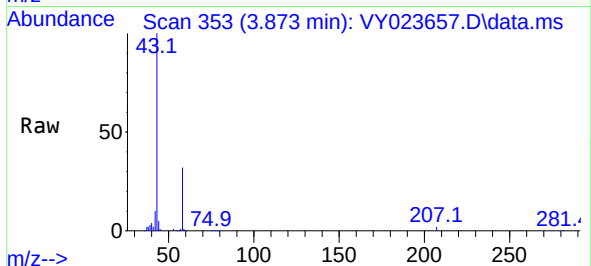




#16
Acetone
Concen: 42.685 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

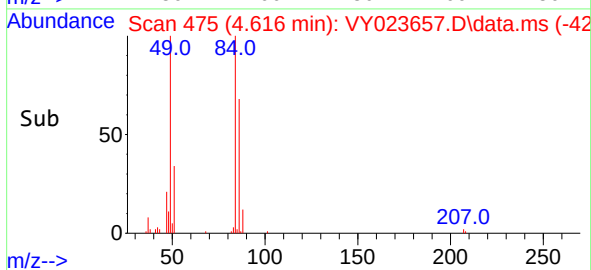
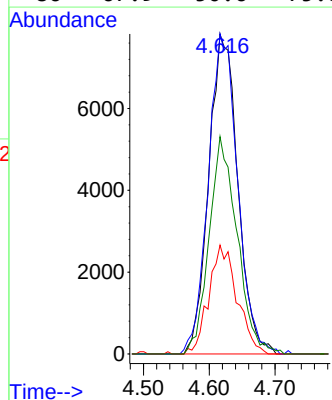
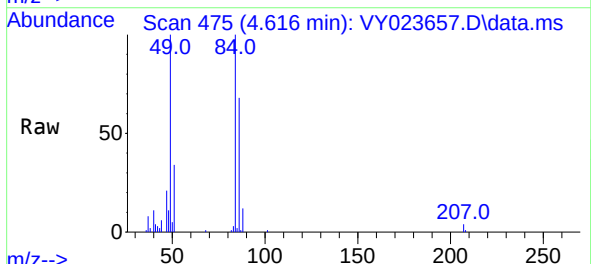
Instrument :
MSVOA_Y
ClientSampleId :
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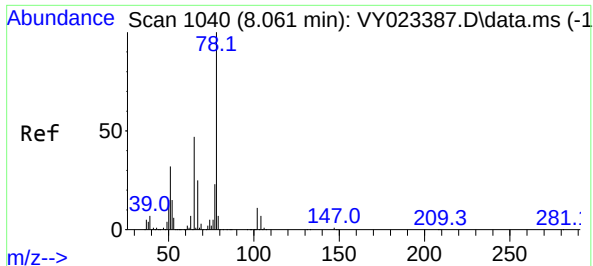
Tgt Ion: 43 Resp: 63923
Ion Ratio Lower Upper
43 100
58 31.2 27.7 41.5



#20
Methylene Chloride
Concen: 2.965 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

Tgt Ion: 84 Resp: 24007
Ion Ratio Lower Upper
84 100
49 100.0 80.2 120.4
51 34.0 25.9 38.9
86 67.9 50.6 75.8

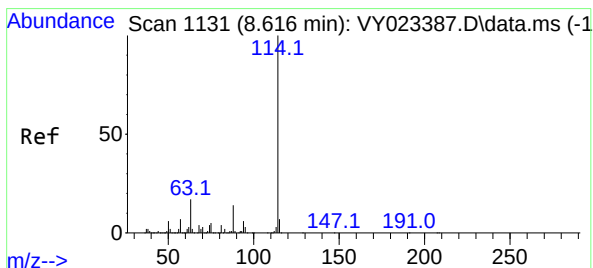
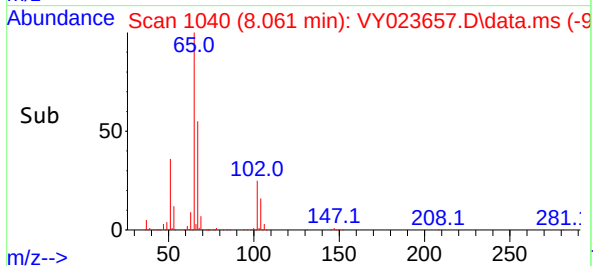
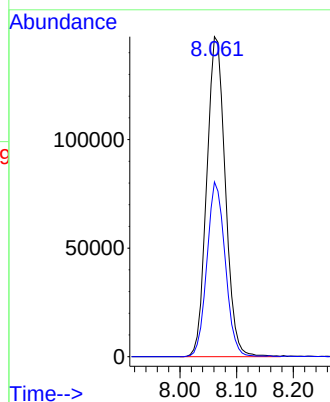
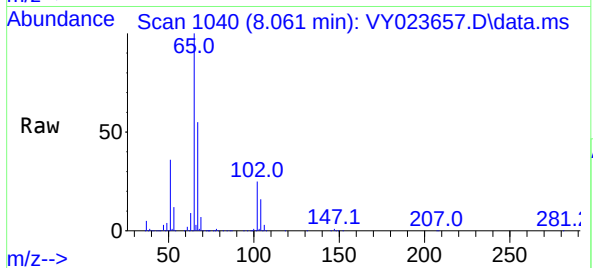




#33
1,2-Dichloroethane-d4
Concen: 53.313 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

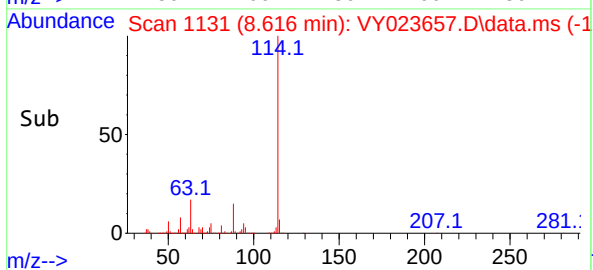
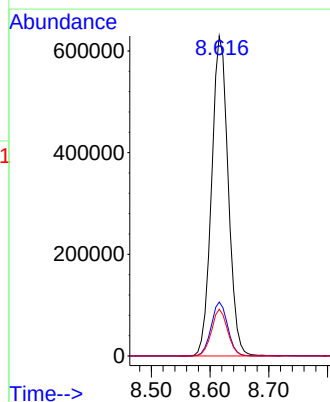
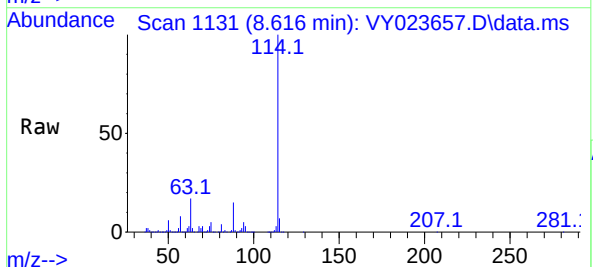
Instrument :
MSVOA_Y
ClientSampleId :
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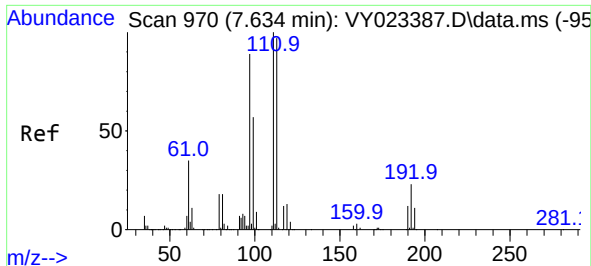
Tgt Ion: 65 Resp: 335361
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

Tgt Ion:114 Resp: 1234030
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.6 0.0 28.4

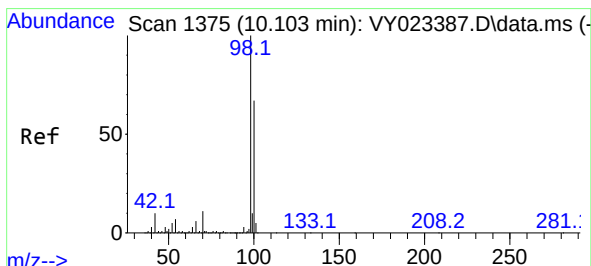
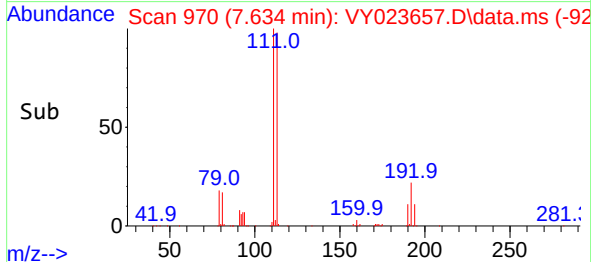
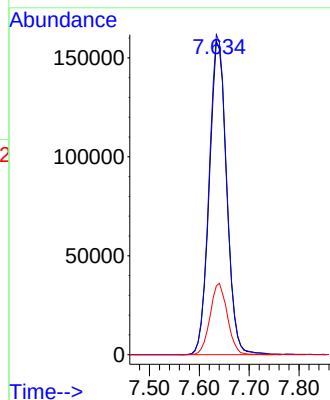
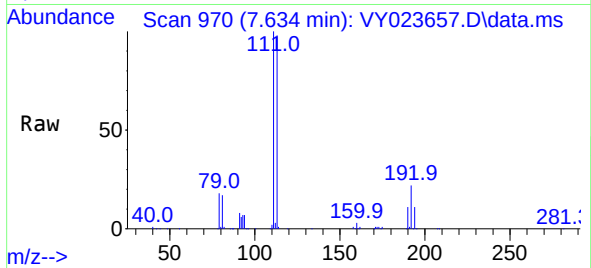




#35
Dibromofluoromethane
Concen: 50.532 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

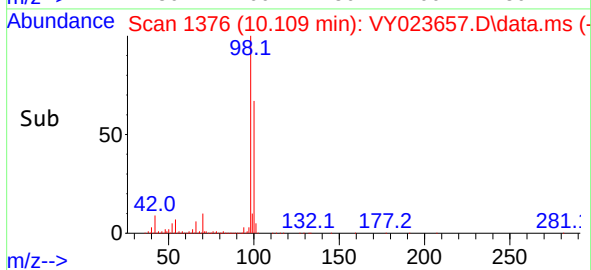
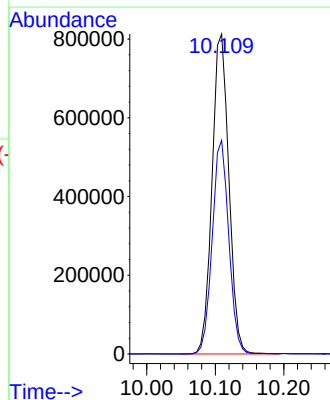
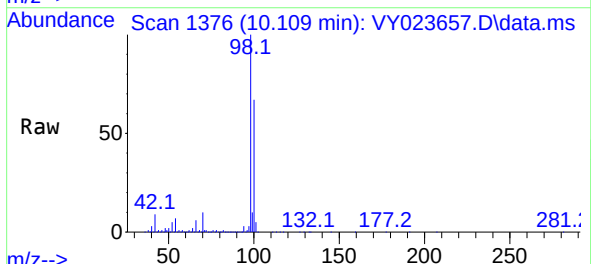
Instrument :
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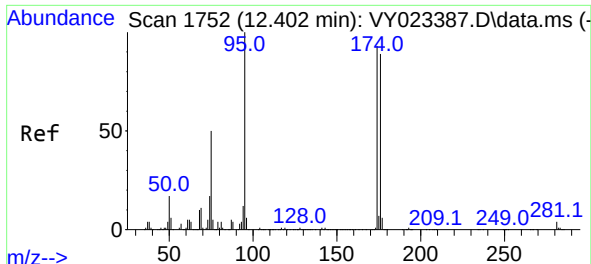
Tgt Ion:113 Resp: 383161
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.7 18.0 27.0



#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

Tgt Ion: 98 Resp: 1382145
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

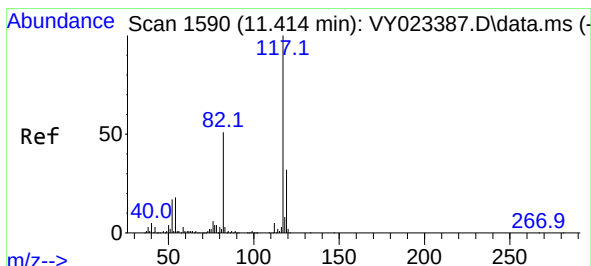
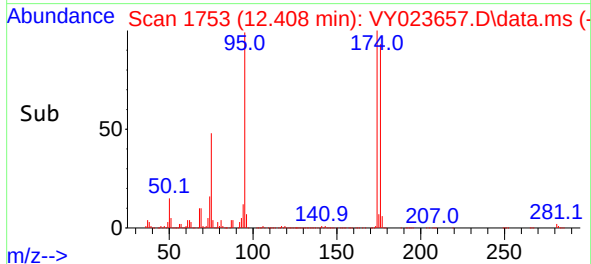
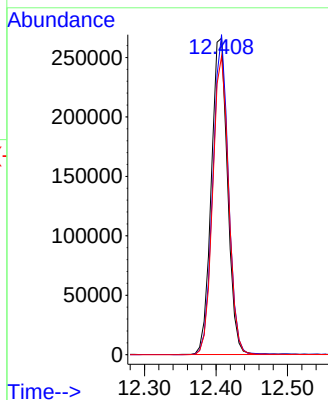
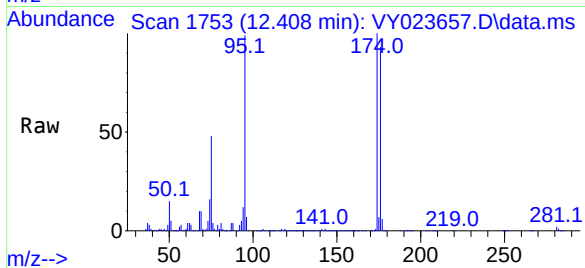




#62
4-Bromofluorobenzene
Concen: 45.015 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

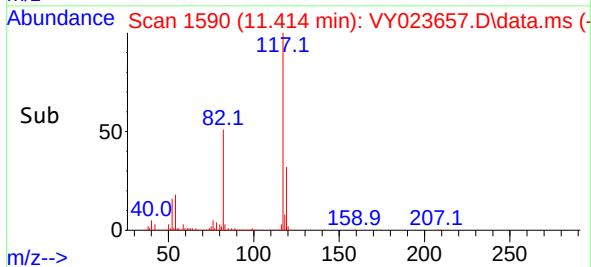
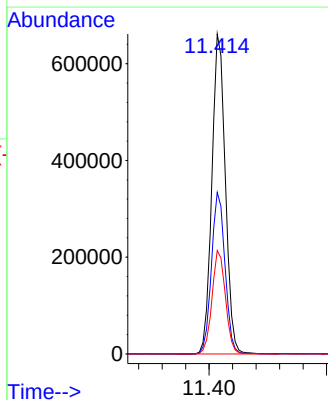
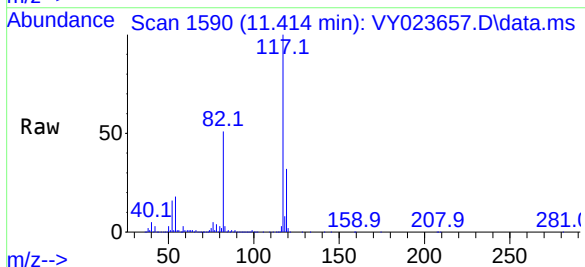
Instrument :
MSVOA_Y
ClientSampleId :
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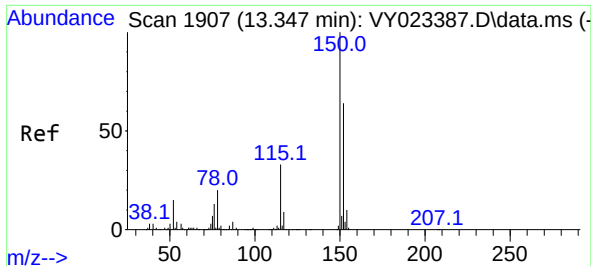
Tgt Ion: 95 Resp: 419666
Ion Ratio Lower Upper
95 100
174 96.6 0.0 192.8
176 92.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023657.D
Acq: 03 Nov 2025 14:37

Tgt Ion: 117 Resp: 1053828
Ion Ratio Lower Upper
117 100
82 50.5 41.0 61.4
119 32.3 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023657.D
 Acq: 03 Nov 2025 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 323

Tgt Ion:152 Resp: 446564
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.2
 150 157.2 0.0 347.4

