

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048303.D
 Acq On : 22 Oct 2025 16:53
 Operator : JC/MD
 Sample : Q3402-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41-RBRE

Quant Time: Oct 23 14:29:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

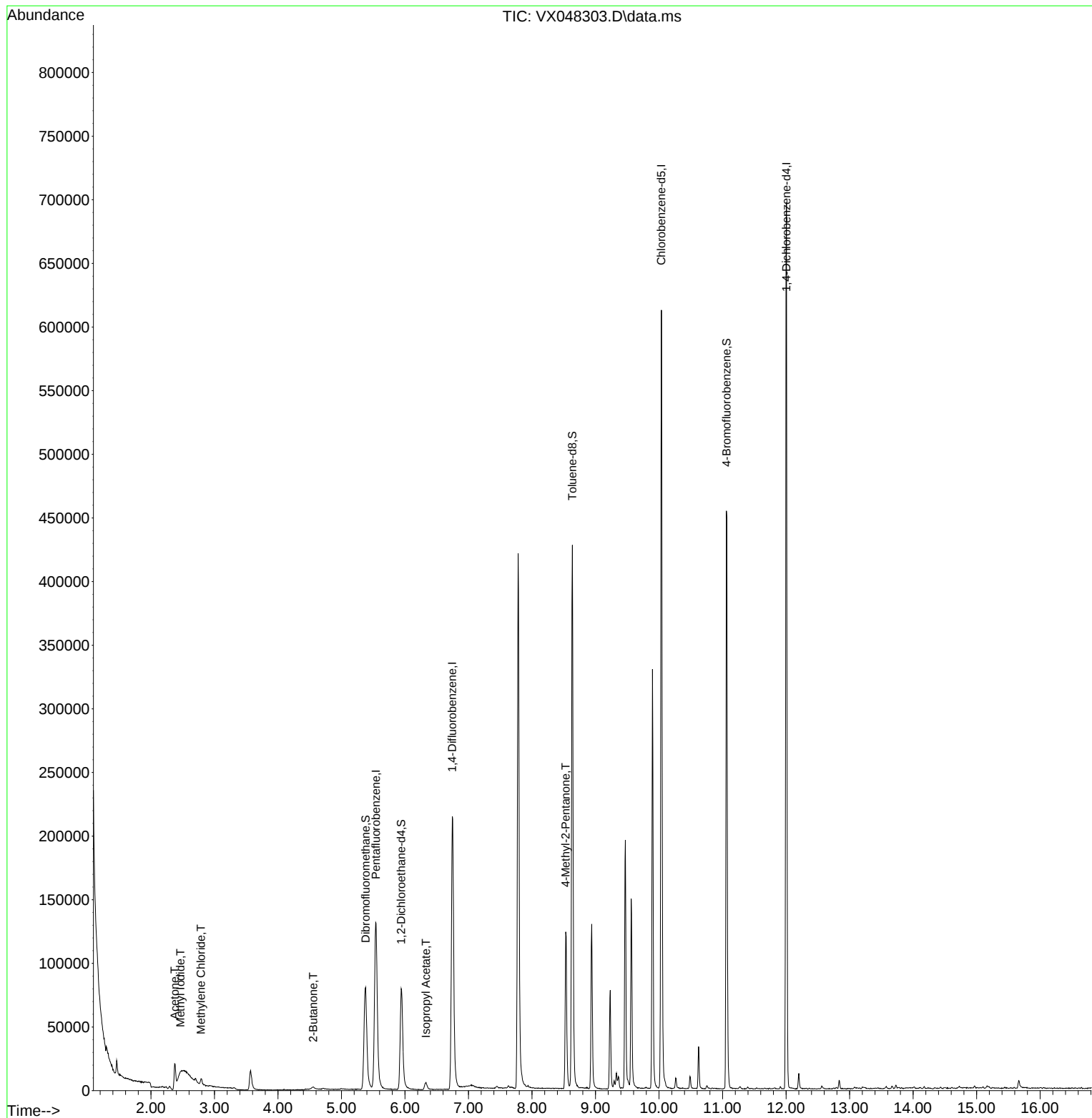
Internal Standards						
1) Pentafluorobenzene	5.543	168	135129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	244249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	281274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	88004	46.450	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	92.900%	
35) Dibromofluoromethane	5.379	113	80961	48.553	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.100%	
50) Toluene-d8	8.634	98	268726	45.978	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.960%#	
62) 4-Bromofluorobenzene	11.061	95	135860	61.102	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	122.200%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1178	0.643	ug/l #	86
16) Acetone	2.373	43	25660	39.479	ug/l	91
20) Methylene Chloride	2.788	84	2644	1.670	ug/l #	81
25) 2-Butanone	4.556	43	2842	3.455	ug/l	92
43) Isopropyl Acetate	6.330	43	9223	2.858	ug/l #	93
51) 4-Methyl-2-Pentanone	8.531	43	44676	24.013	ug/l #	52

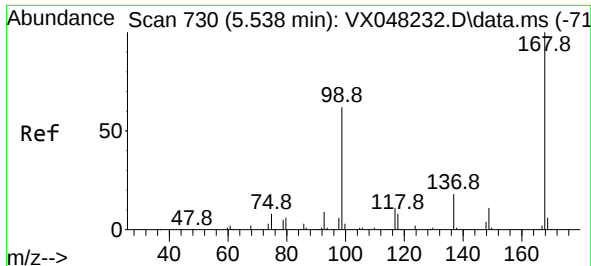
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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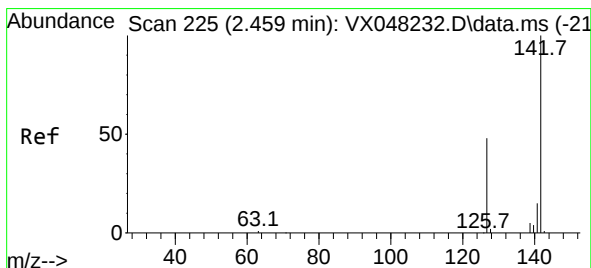
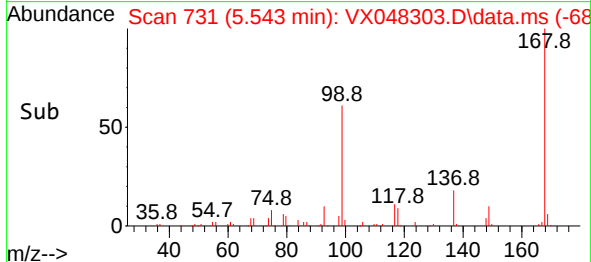
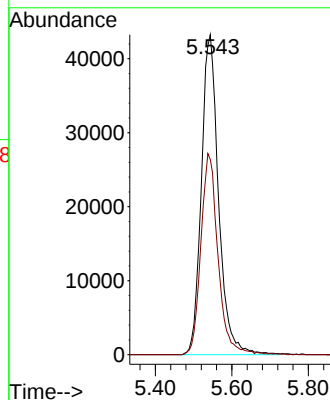
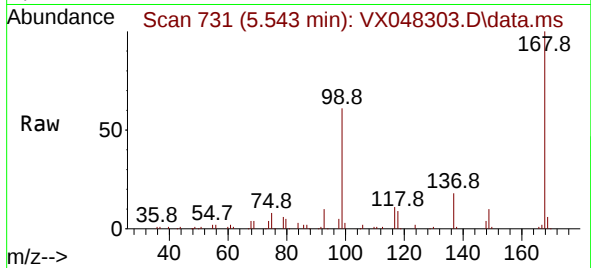




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

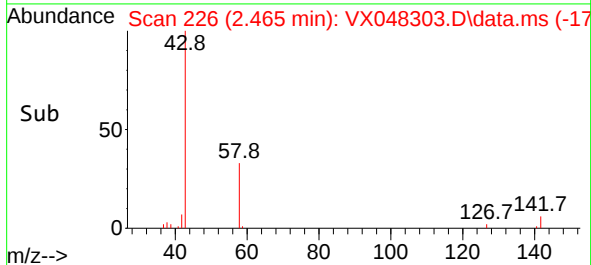
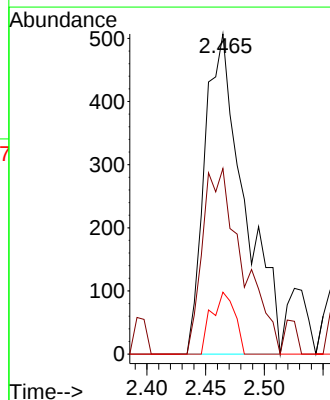
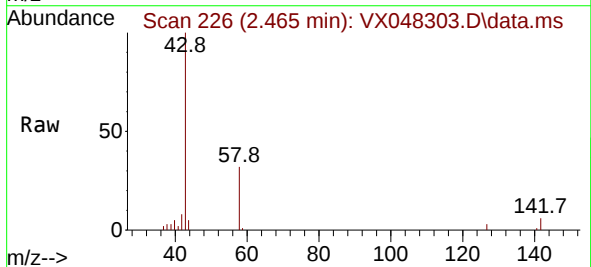
Instrument :
MSVOA_X
ClientSampleId :
41-RBRE

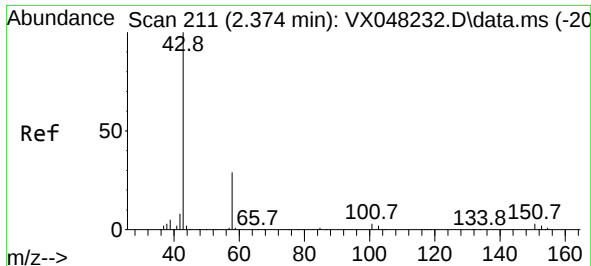
Tgt Ion:168 Resp: 135129
Ion Ratio Lower Upper
168 100
99 61.0 46.4 69.6



#10
Methyl Iodide
Concen: 0.643 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion:142 Resp: 1178
Ion Ratio Lower Upper
142 100
127 59.1 38.5 57.7#
141 11.5 11.6 17.4#

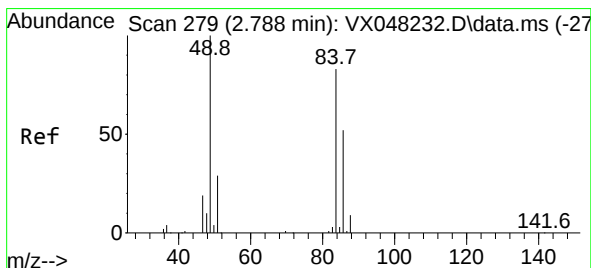
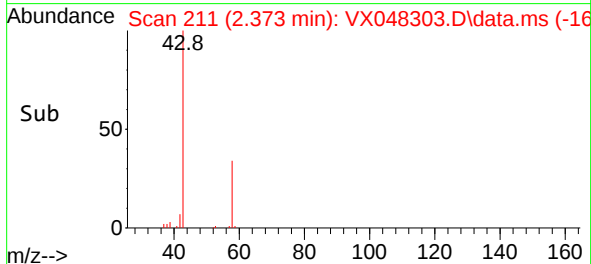
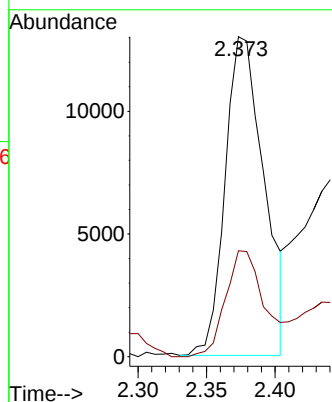
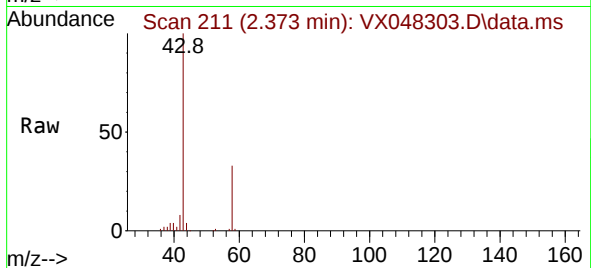




#16
Acetone
Concen: 39.479 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

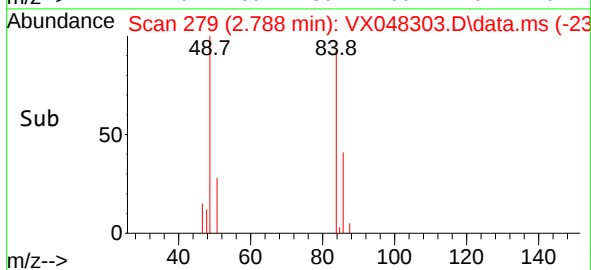
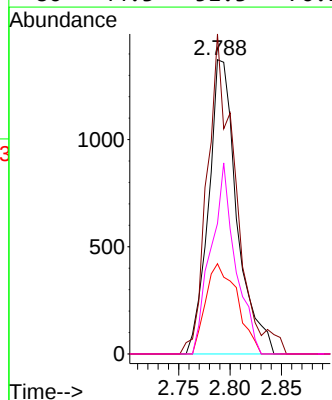
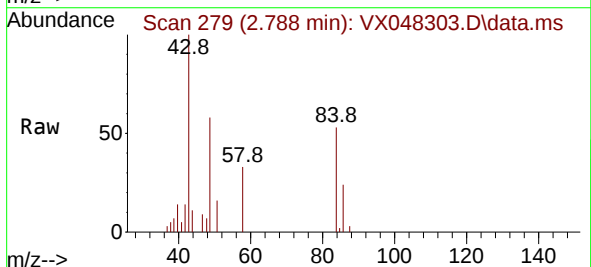
Instrument :
MSVOA_X
ClientSampleId :
41-RBRE

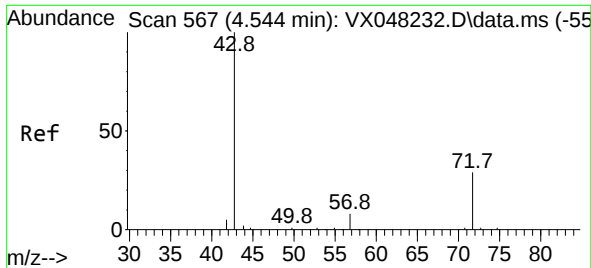
Tgt Ion: 43 Resp: 25660
Ion Ratio Lower Upper
43 100
58 34.4 23.4 35.2



#20
Methylene Chloride
Concen: 1.670 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion: 84 Resp: 2644
Ion Ratio Lower Upper
84 100
49 108.7 104.1 156.1
51 30.7 31.3 46.9#
86 44.3 51.3 76.9#

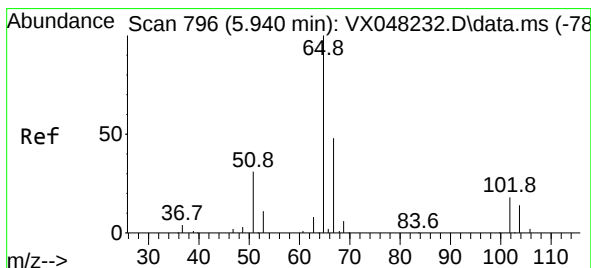
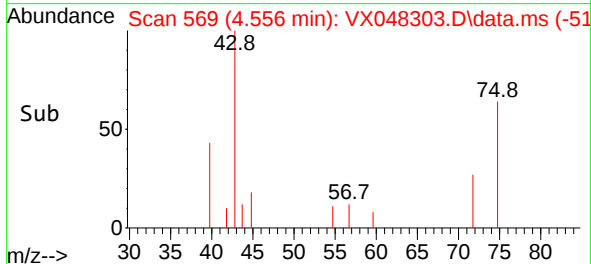
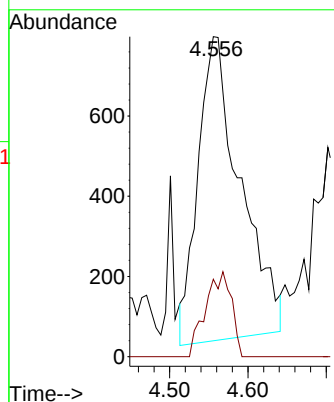
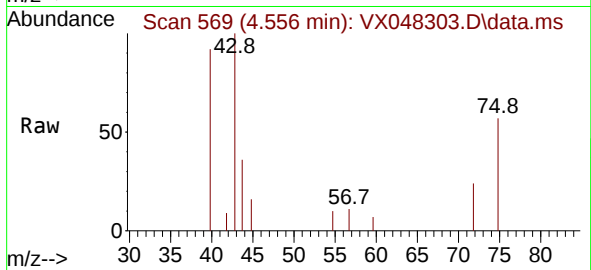




#25
2-Butanone
Concen: 3.455 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

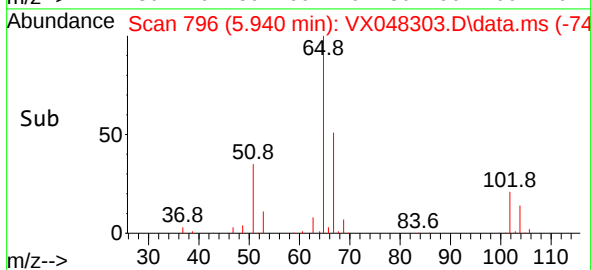
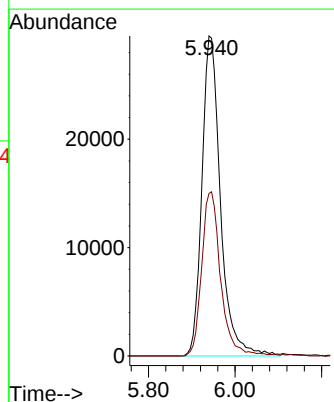
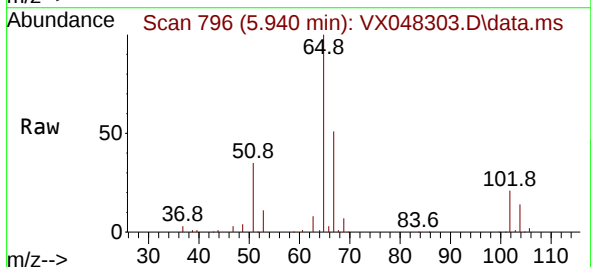
Instrument :
MSVOA_X
ClientSampleId :
41-RBRE

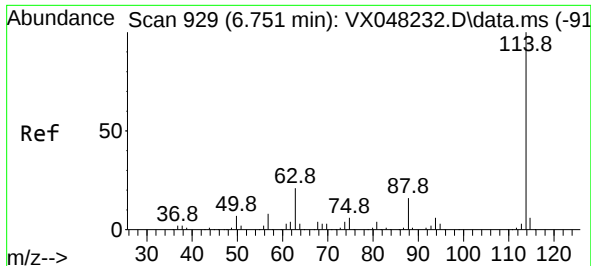
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
72 20.7 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 46.450 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion: 65 Resp: 88004
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.0

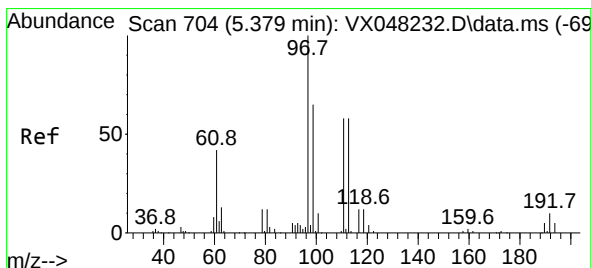
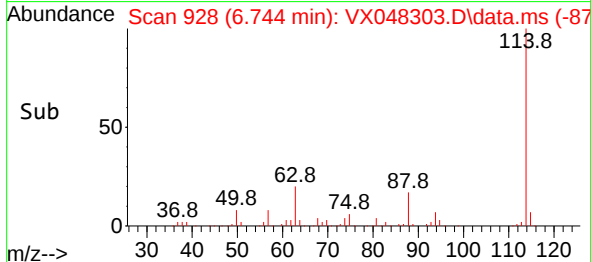
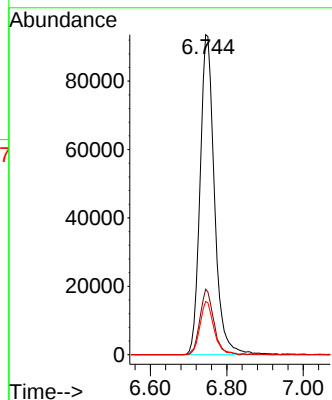
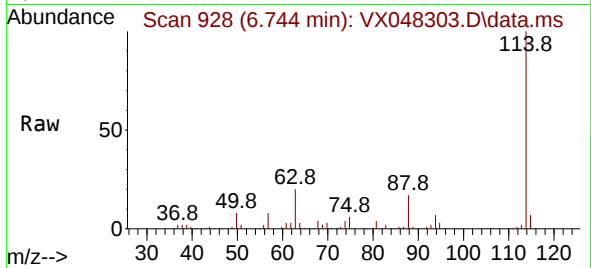




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

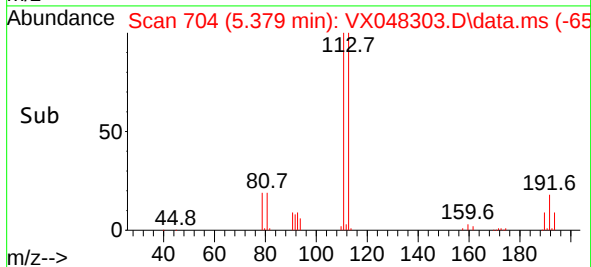
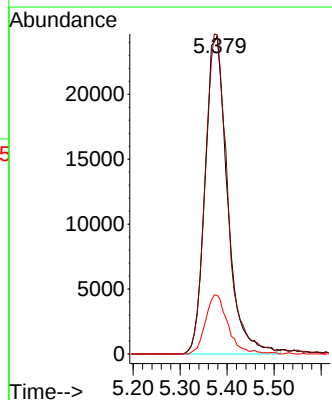
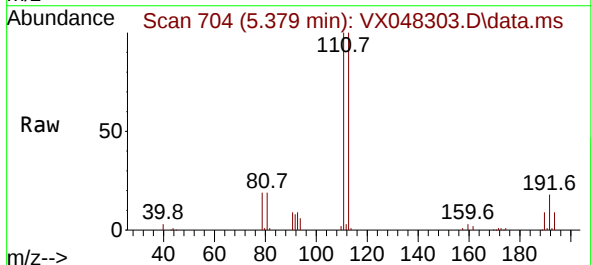
Instrument :
MSVOA_X
ClientSampleId :
41-RBRE

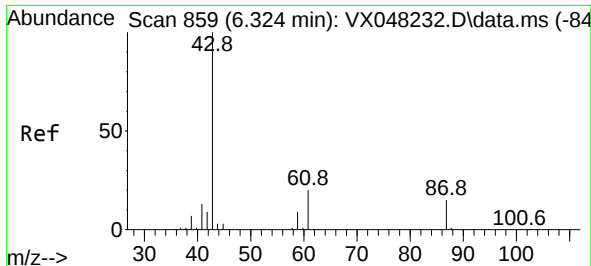
Tgt Ion:114 Resp: 244249
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.553 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion:113 Resp: 80961
Ion Ratio Lower Upper
113 100
111 100.7 82.2 123.4
192 18.6 15.1 22.7

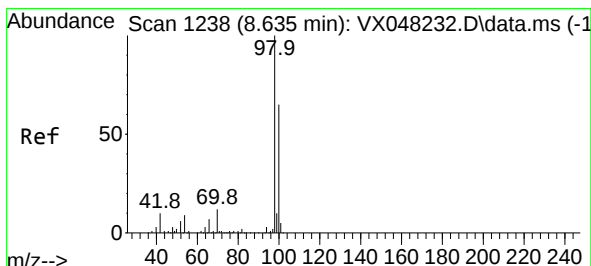
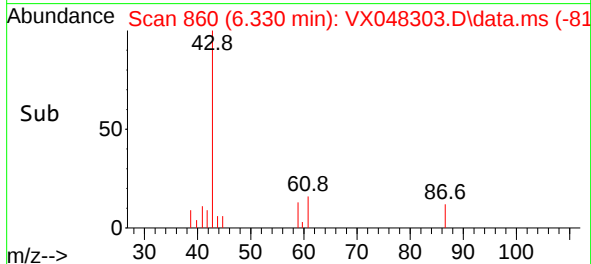
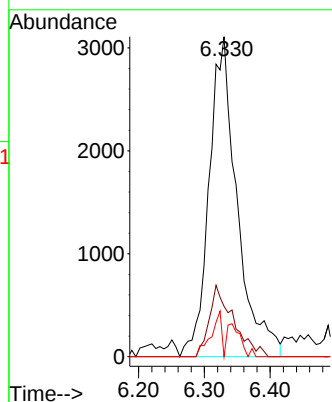
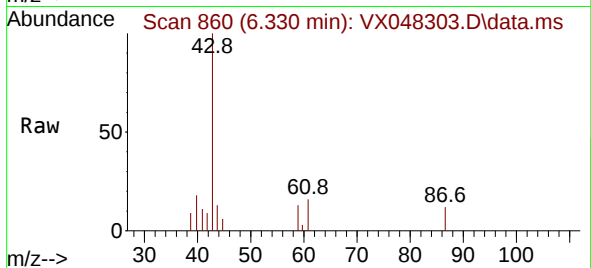




#43
Isopropyl Acetate
Concen: 2.858 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

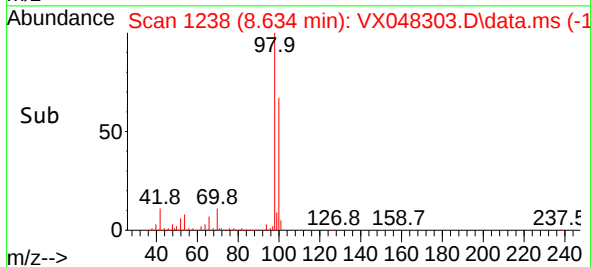
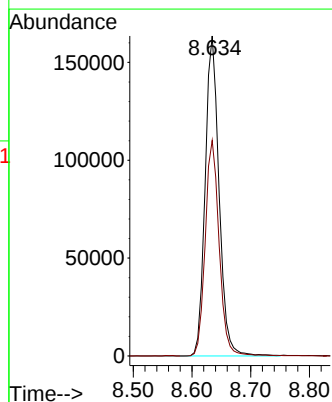
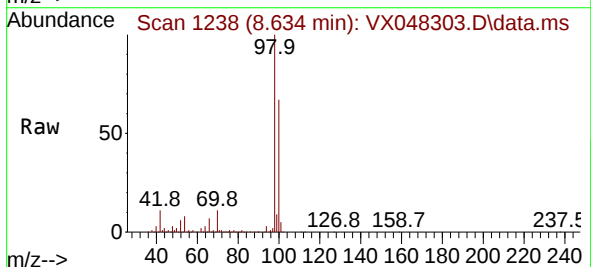
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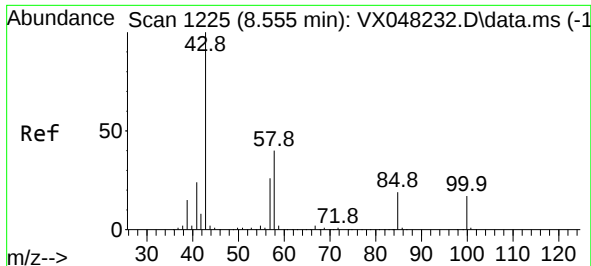
Tgt Ion: 43 Resp: 9223
Ion Ratio Lower Upper
43 100
61 19.2 14.9 22.3
87 5.4 9.4 14.2#



#50
Toluene-d8
Concen: 45.978 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion: 98 Resp: 268726
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.4

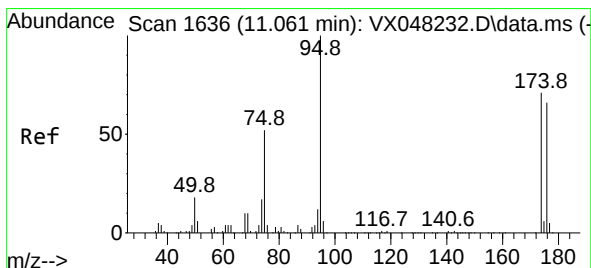
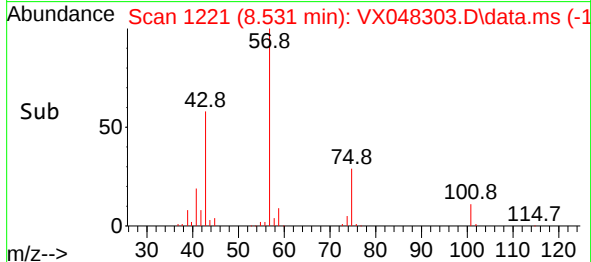
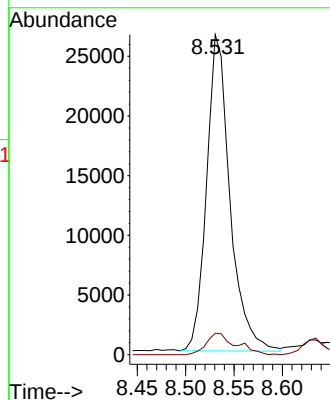
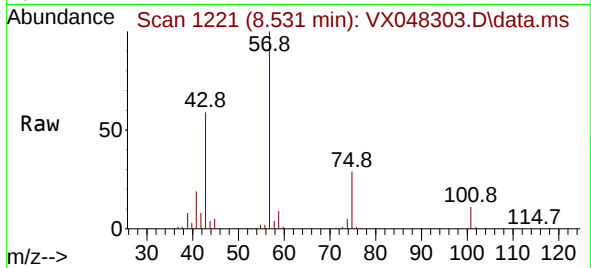




#51
4-Methyl-2-Pentanone
Concen: 24.013 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

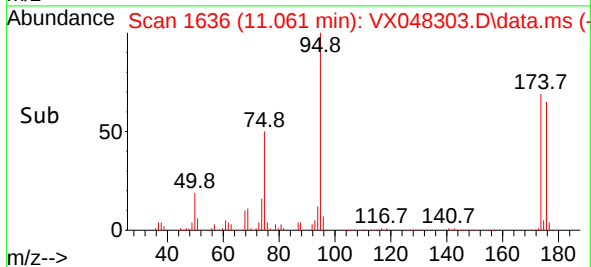
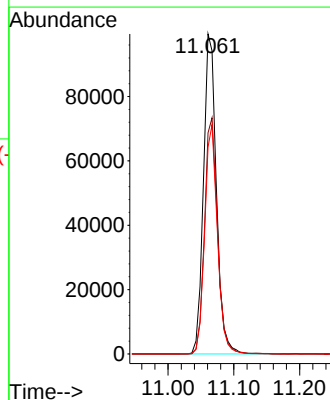
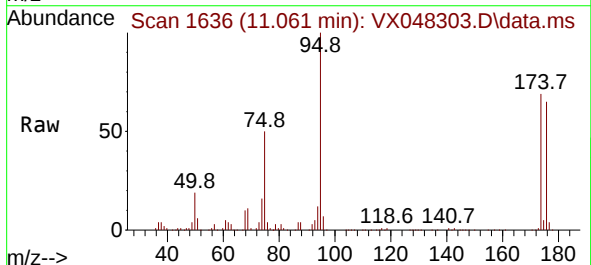
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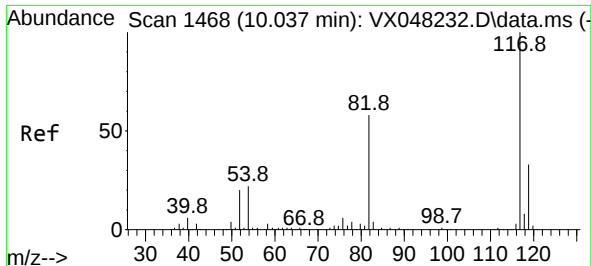
Tgt Ion: 43 Resp: 44676
Ion Ratio Lower Upper
43 100
58 8.6 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 61.102 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion: 95 Resp: 135860
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.8
176 70.4 0.0 142.8

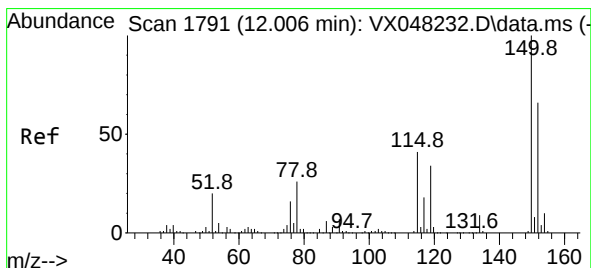
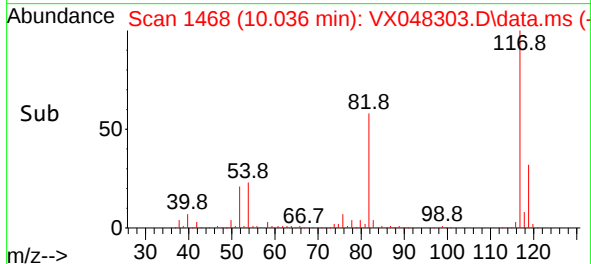
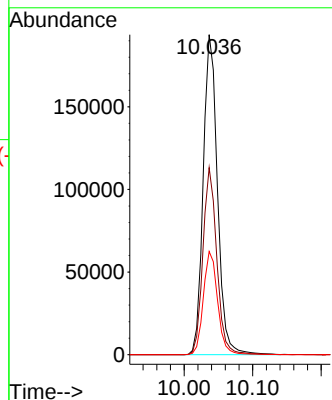
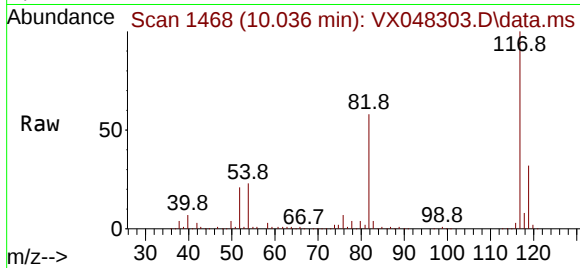




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Instrument :
MSVOA_X
ClientSampleId :
41-RBRE

Tgt Ion:117 Resp: 281274
Ion Ratio Lower Upper
117 100
82 58.4 46.5 69.7
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048303.D
Acq: 22 Oct 2025 16:53

Tgt Ion:152 Resp: 147965
Ion Ratio Lower Upper
152 100
115 60.7 43.1 129.4
150 156.9 0.0 353.0

