

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048263.D
 Acq On : 21 Oct 2025 12:58
 Operator : JC/MD
 Sample : Q3369-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-22

Quant Time: Oct 21 13:16:16 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)

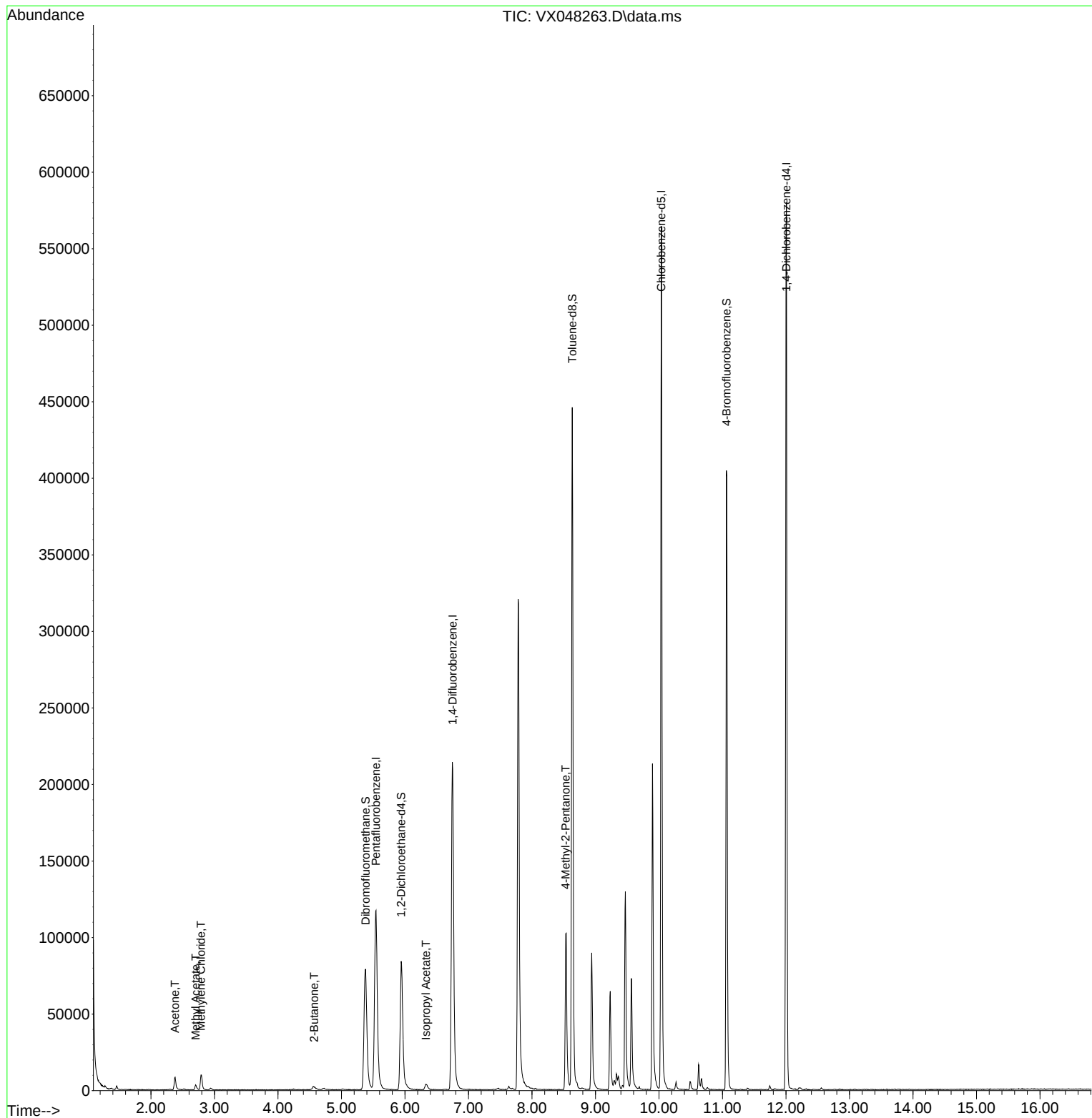
Internal Standards						
1) Pentafluorobenzene	5.544	168	122880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	255176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	92553	53.720	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.440%	
35) Dibromofluoromethane	5.379	113	78710	47.715	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.420%	
50) Toluene-d8	8.635	98	275827	47.705	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.400%	
62) 4-Bromofluorobenzene	11.061	95	120181	54.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.280%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	10779	18.237	ug/l	98
18) Methyl Acetate	2.703	43	4581	3.711	ug/l	99
20) Methylene Chloride	2.788	84	5297	3.678	ug/l	87
25) 2-Butanone	4.568	43	5163	6.901	ug/l #	85
43) Isopropyl Acetate	6.330	43	6162	1.930	ug/l #	87
51) 4-Methyl-2-Pentanone	8.531	43	40705	22.116	ug/l #	52

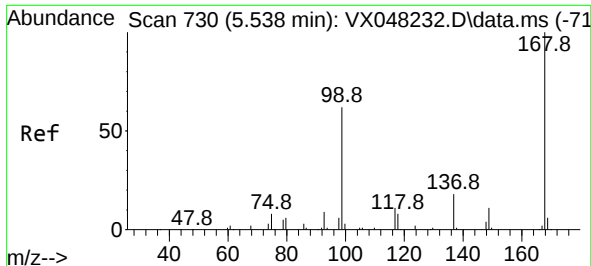
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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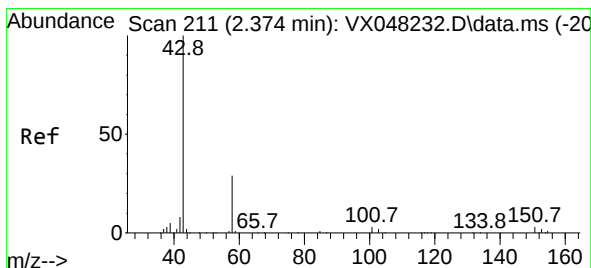
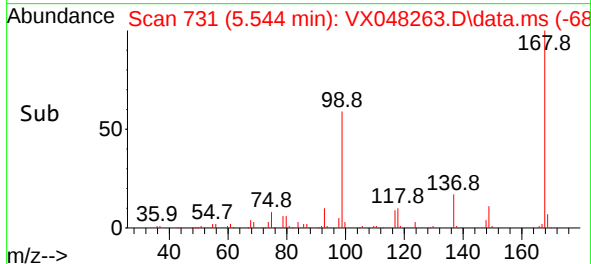
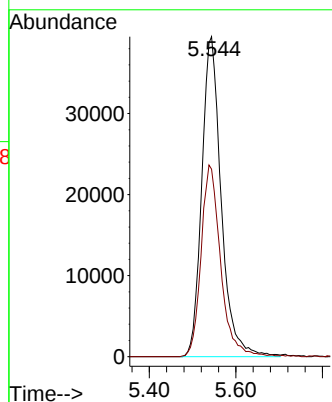
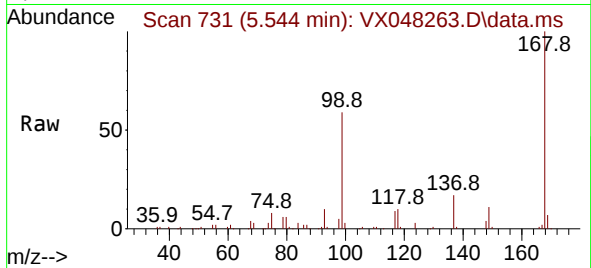




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

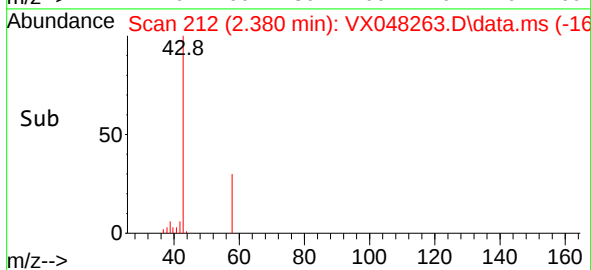
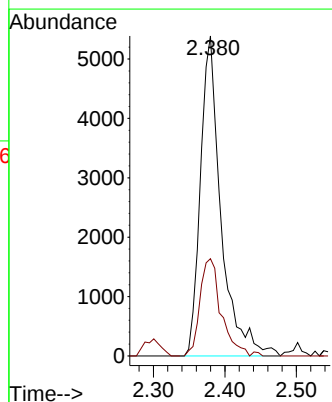
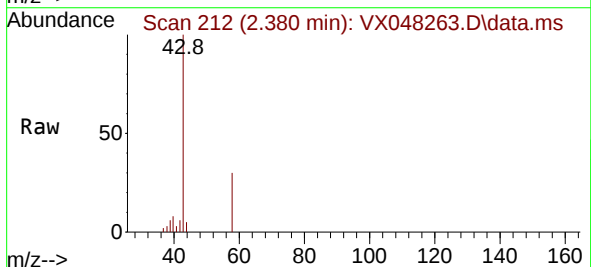
Instrument :
MSVOA_X
ClientSampleId :
MH-22

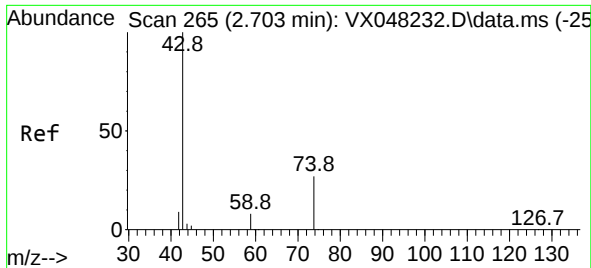
Tgt Ion:168 Resp: 122880
Ion Ratio Lower Upper
168 100
99 58.6 46.4 69.6



#16
Acetone
Concen: 18.237 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion: 43 Resp: 10779
Ion Ratio Lower Upper
43 100
58 30.4 23.4 35.2

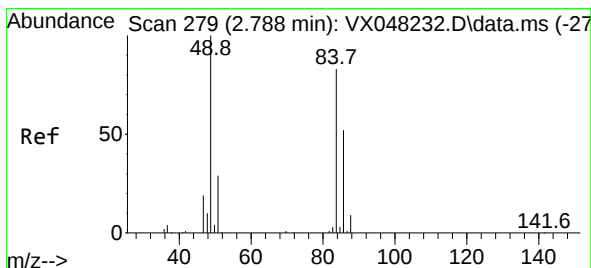
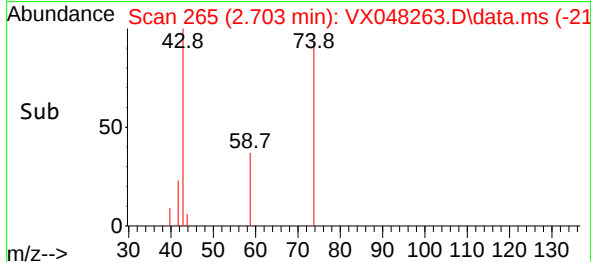
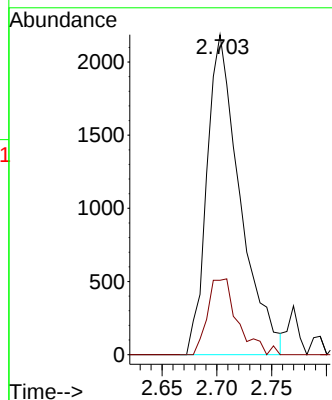
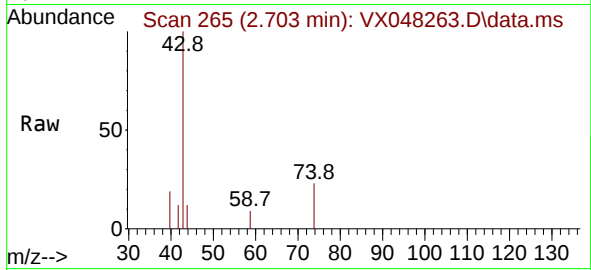




#18
Methyl Acetate
Concen: 3.711 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

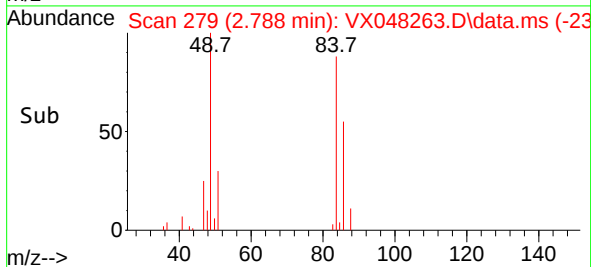
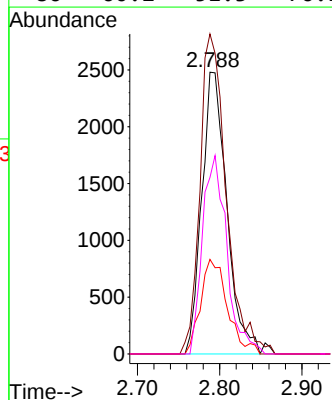
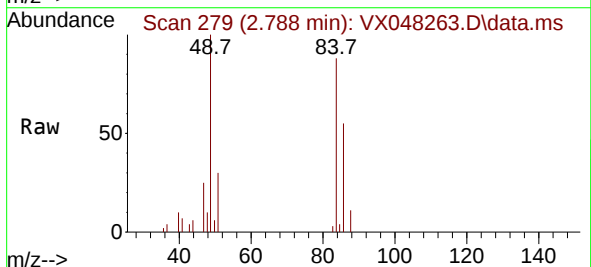
Instrument :
MSVOA_X
ClientSampleId :
MH-22

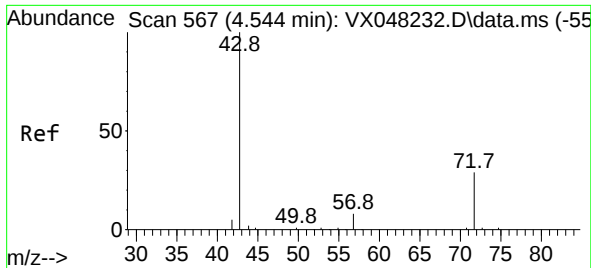
Tgt Ion: 43 Resp: 4581
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3



#20
Methylene Chloride
Concen: 3.678 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion: 84 Resp: 5297
Ion Ratio Lower Upper
84 100
49 109.2 104.1 156.1
51 32.2 31.3 46.9
86 60.2 51.3 76.9

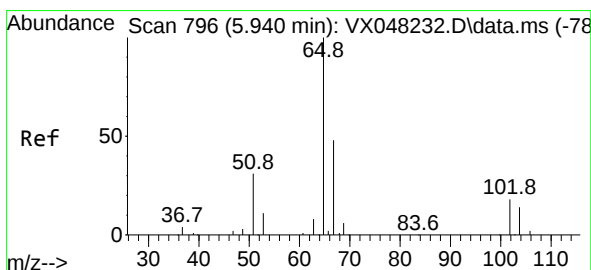
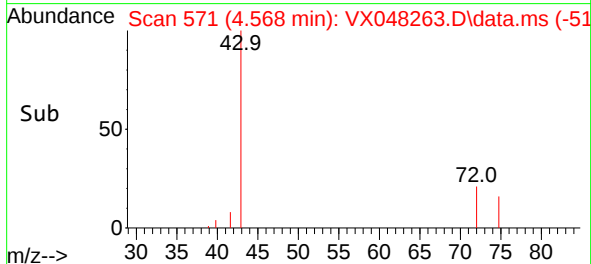
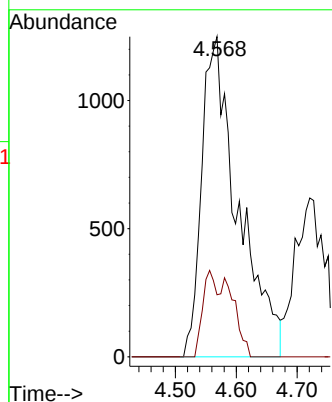
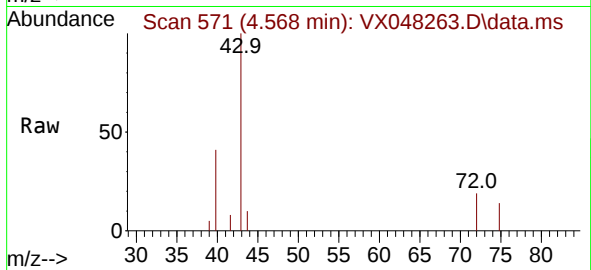




#25
2-Butanone
Concen: 6.901 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

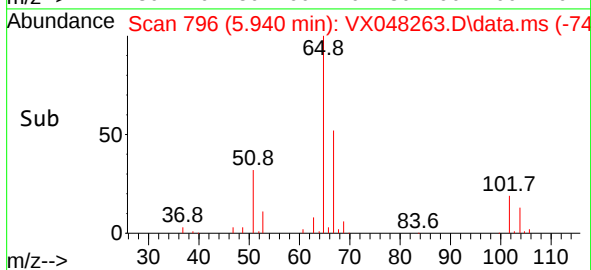
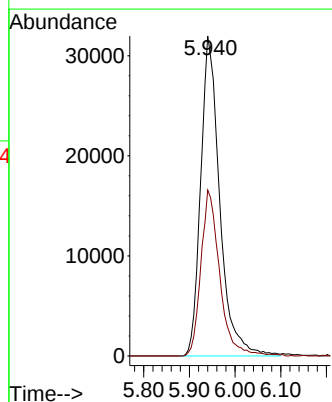
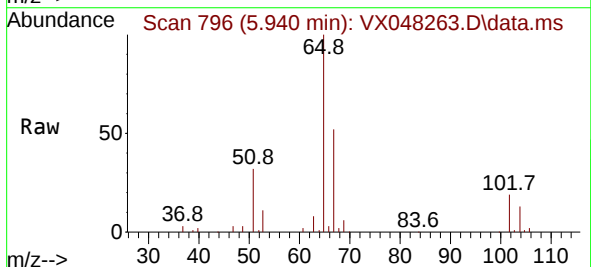
Instrument :
MSVOA_X
ClientSampleId :
MH-22

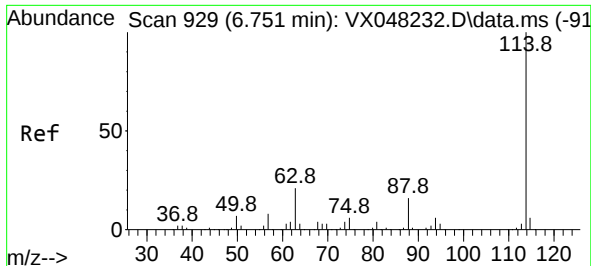
Tgt Ion: 43 Resp: 5163
Ion Ratio Lower Upper
43 100
72 17.6 19.9 29.9#



#33
1,2-Dichloroethane-d4
Concen: 53.720 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion: 65 Resp: 92553
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0

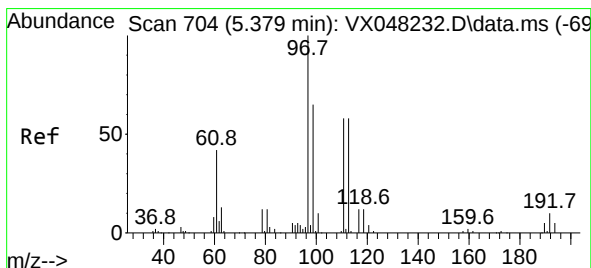
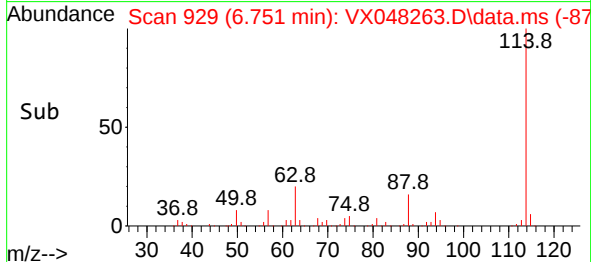
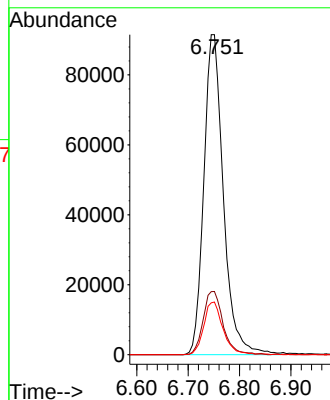
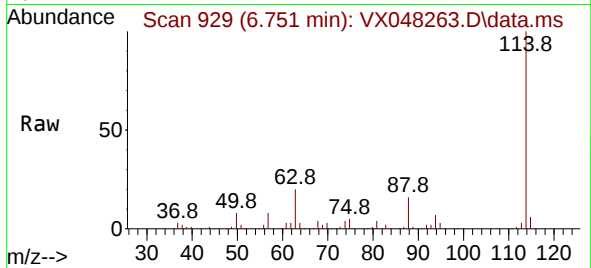




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

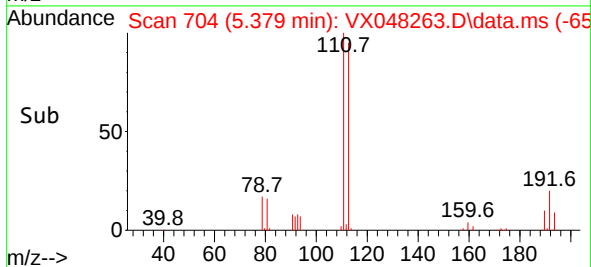
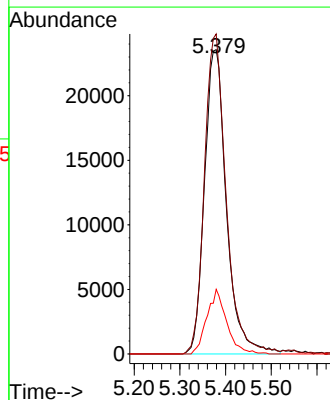
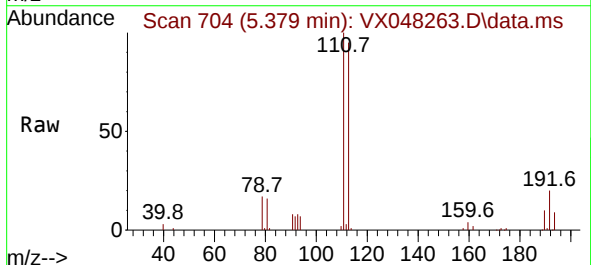
Instrument :
MSVOA_X
ClientSampleId :
MH-22

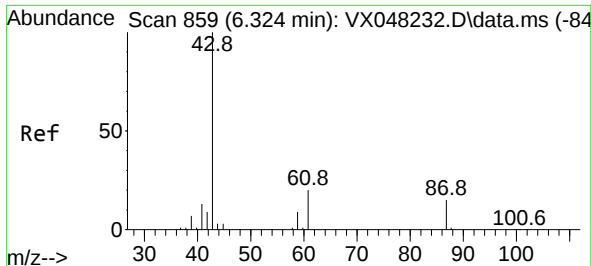
Tgt Ion:114 Resp: 241629
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.2
88 16.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 47.715 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion:113 Resp: 78710
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 19.2 15.1 22.7

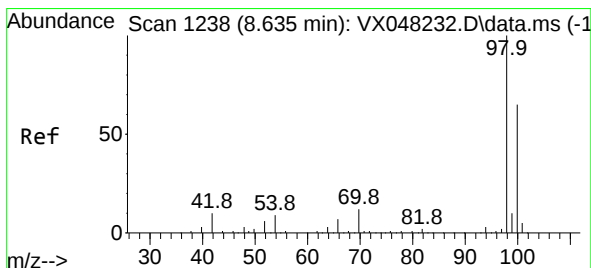
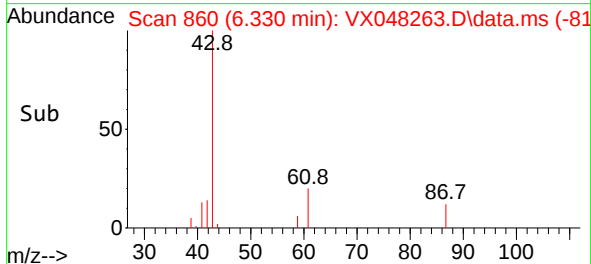
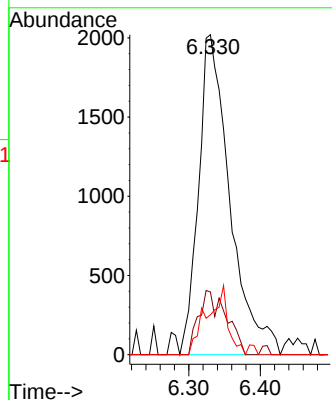
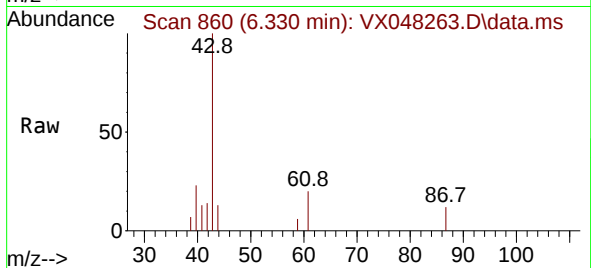




#43
Isopropyl Acetate
Concen: 1.930 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

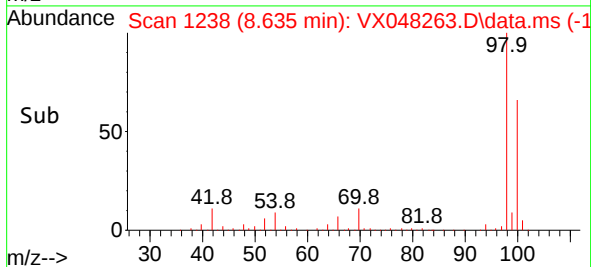
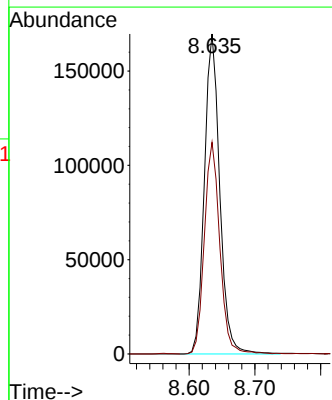
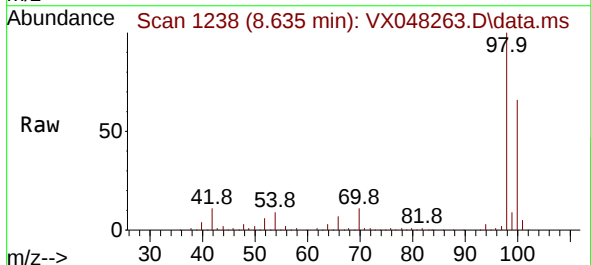
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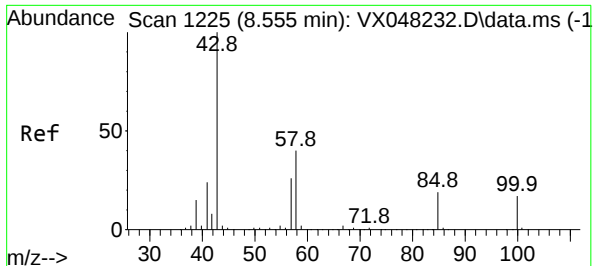
Tgt Ion: 43 Resp: 6162
Ion Ratio Lower Upper
43 100
61 17.6 14.9 22.3
87 0.0 9.4 14.2#



#50
Toluene-d8
Concen: 47.705 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion: 98 Resp: 275827
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

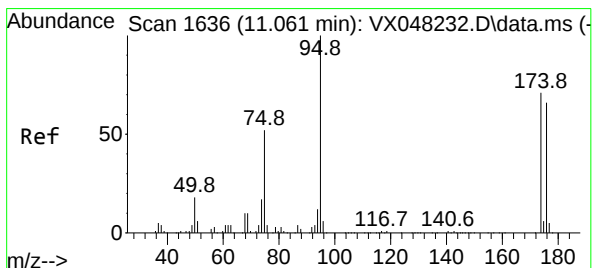
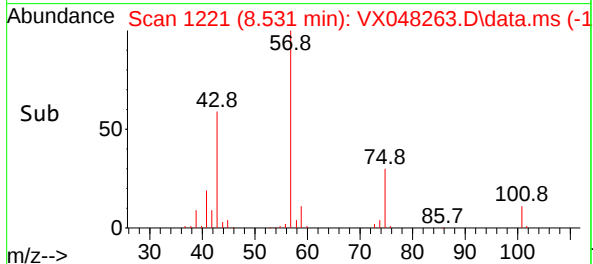
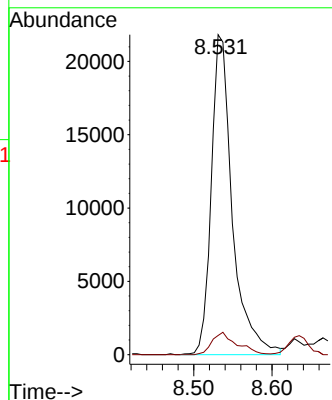
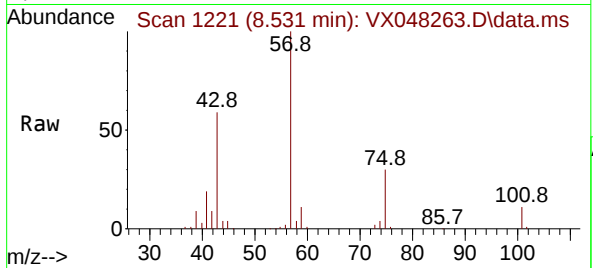




#51
4-Methyl-2-Pentanone
Concen: 22.116 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

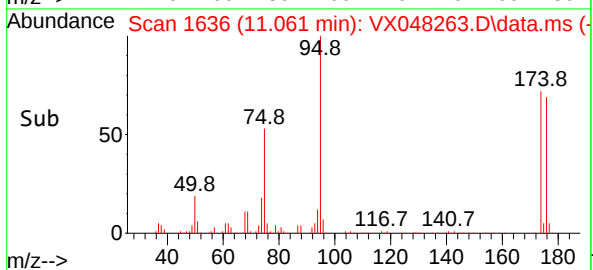
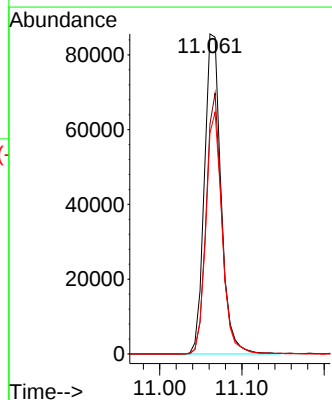
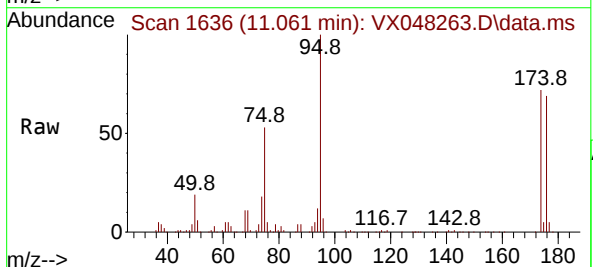
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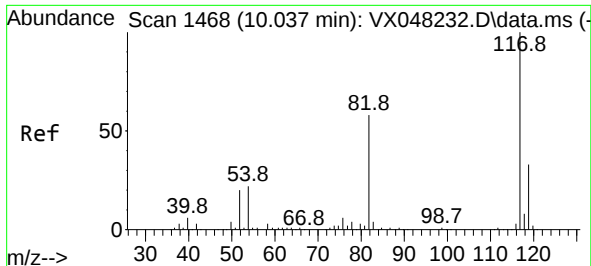
Tgt Ion: 43 Resp: 40705
Ion Ratio Lower Upper
43 100
58 8.3 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 54.637 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion: 95 Resp: 120181
Ion Ratio Lower Upper
95 100
174 77.5 0.0 147.8
176 73.8 0.0 142.8

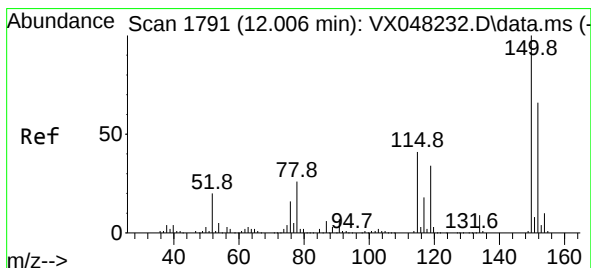
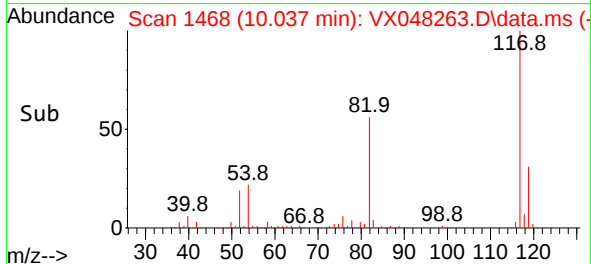
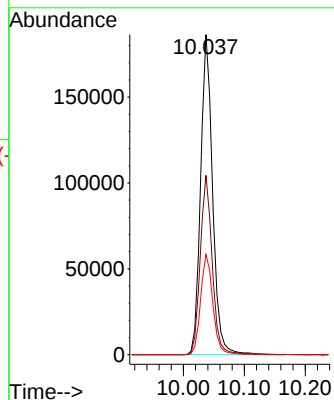
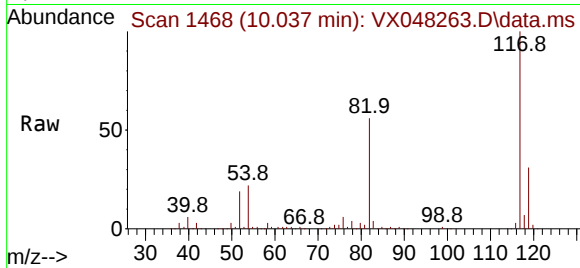




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048263.D
Acq: 21 Oct 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :
MH-22

Tgt Ion:117 Resp: 255176
Ion Ratio Lower Upper
117 100
82 56.0 46.5 69.7
119 31.3 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: VX048263.D
Acq: 21 Oct 2025 12:58

Tgt Ion:152 Resp: 130902
Ion Ratio Lower Upper
152 100
115 60.4 43.1 129.4
150 156.0 0.0 353.0

