

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048292.D
 Acq On : 22 Oct 2025 13:04
 Operator : JC/MD
 Sample : Q3402-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41-RB

Quant Time: Oct 22 13:21:54 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)

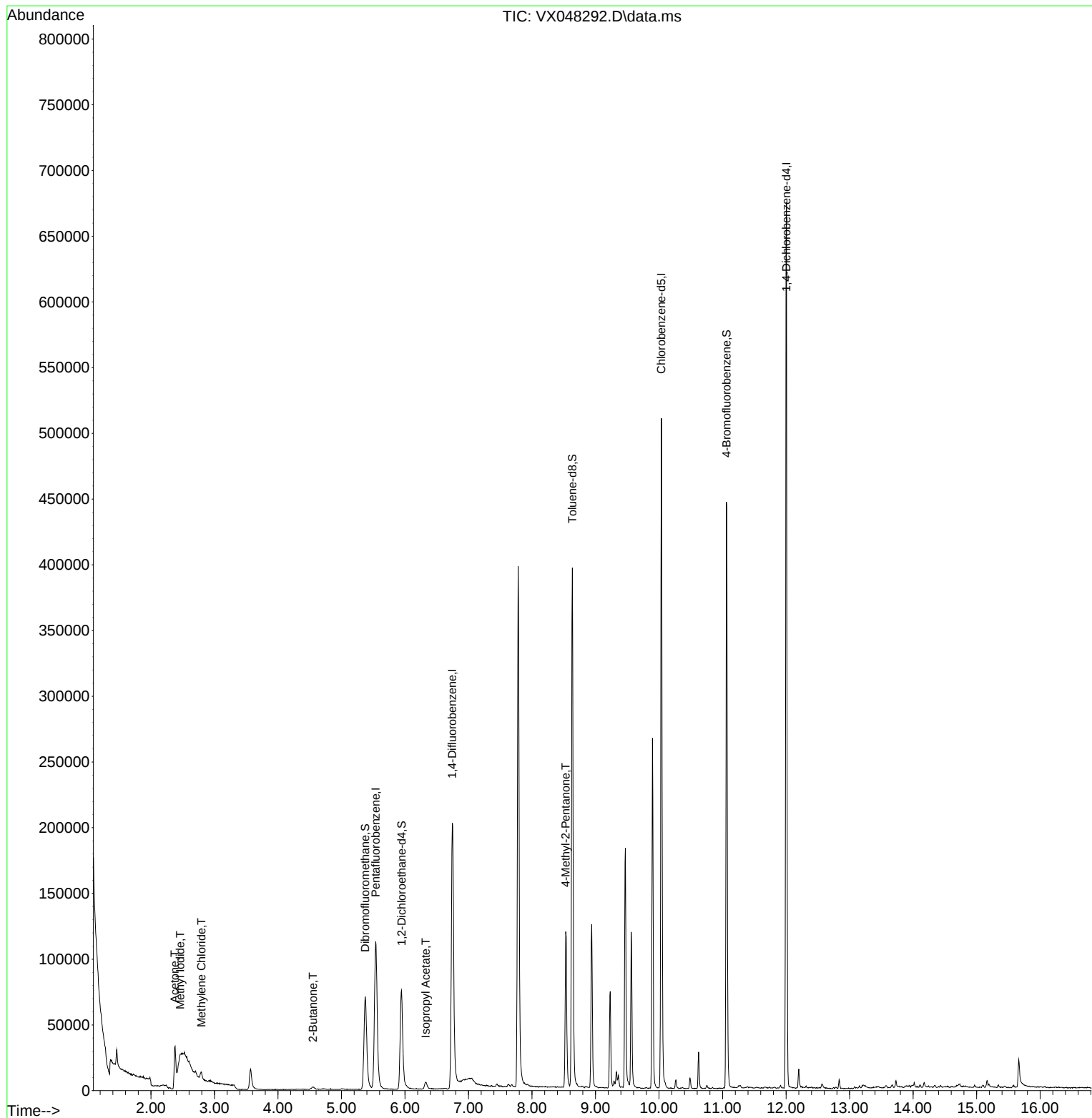
Internal Standards						
1) Pentafluorobenzene	5.538	168	117858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	240045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83284	50.400	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.800%		
35) Dibromofluoromethane	5.373	113	69712	44.635	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 89.260%		
50) Toluene-d8	8.635	98	253125	46.238	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 92.480%		
62) 4-Bromofluorobenzene	11.061	95	131145	62.971	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 125.940%#		
Target Compounds						
						Qvalue
10) Methyl Iodide	2.459	142	3416	2.137	ug/l	98
16) Acetone	2.374	43	45636	80.503	ug/l	100
20) Methylene Chloride	2.794	84	2584	1.871	ug/l #	84
25) 2-Butanone	4.550	43	2401	3.346	ug/l	94
43) Isopropyl Acetate	6.324	43	8429	2.789	ug/l	96
51) 4-Methyl-2-Pentanone	8.531	43	43971	25.233	ug/l #	52

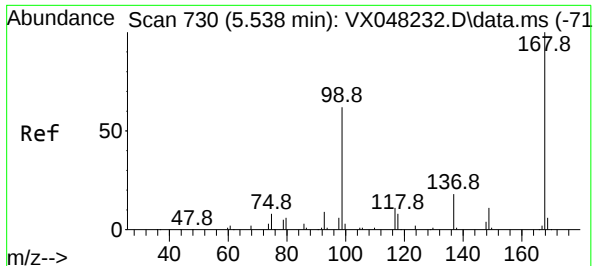
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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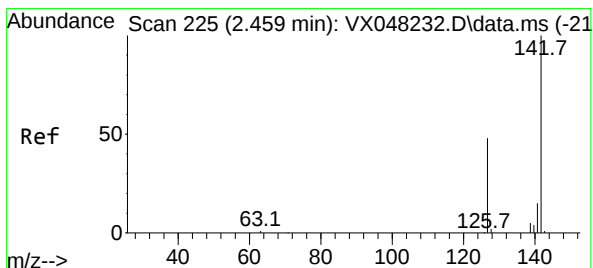
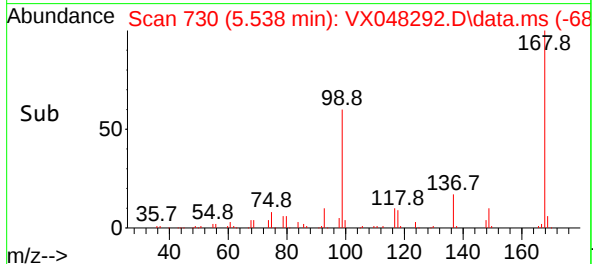
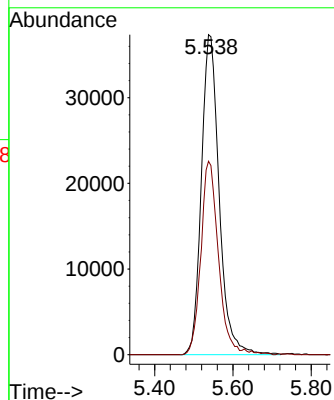
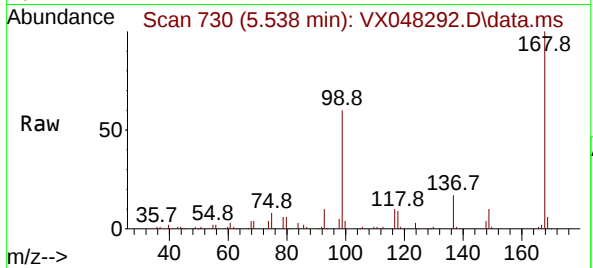




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

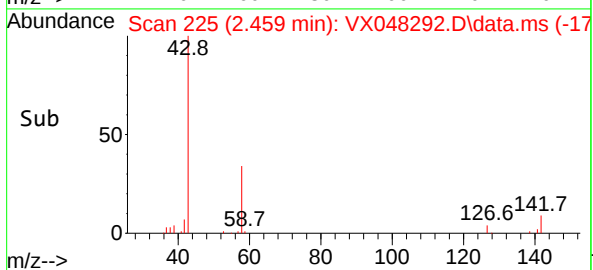
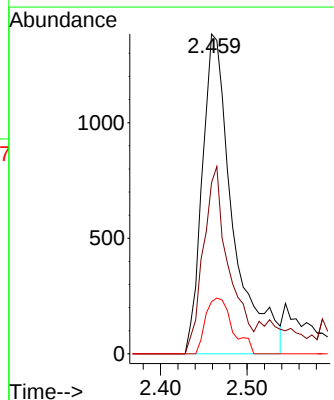
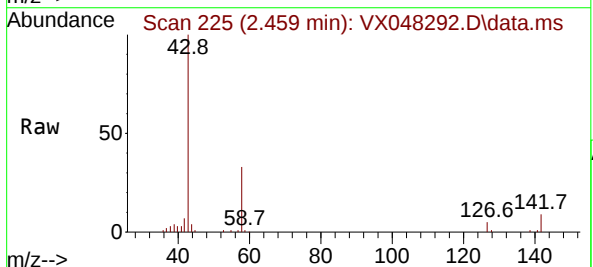
Instrument :
MSVOA_X
ClientSampleId :
41-RB

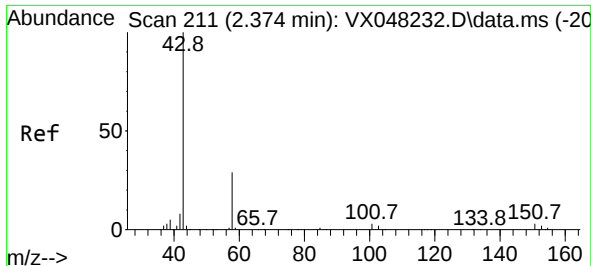
Tgt Ion:168 Resp: 117858
Ion Ratio Lower Upper
168 100
99 60.4 46.4 69.6



#10
Methyl Iodide
Concen: 2.137 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion:142 Resp: 3416
Ion Ratio Lower Upper
142 100
127 49.2 38.5 57.7
141 15.2 11.6 17.4

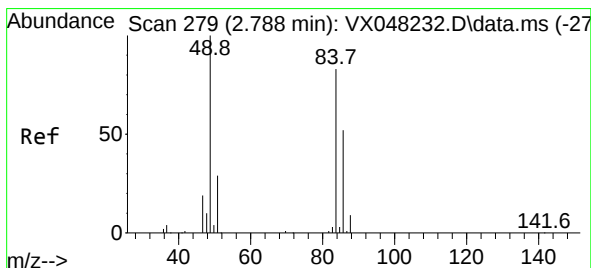
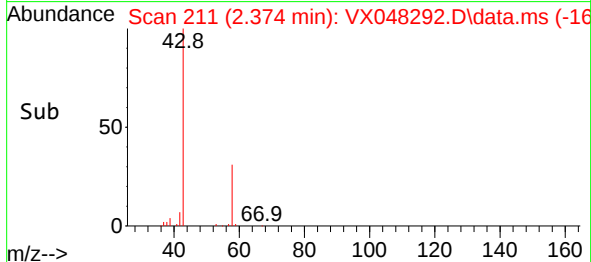
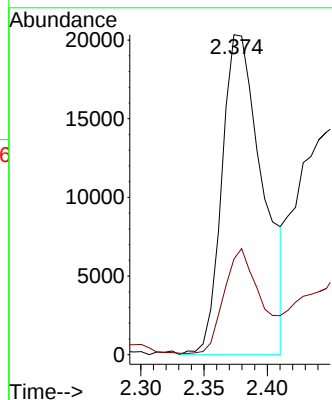
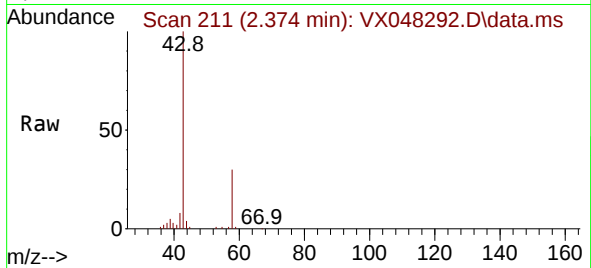




#16
Acetone
Concen: 80.503 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

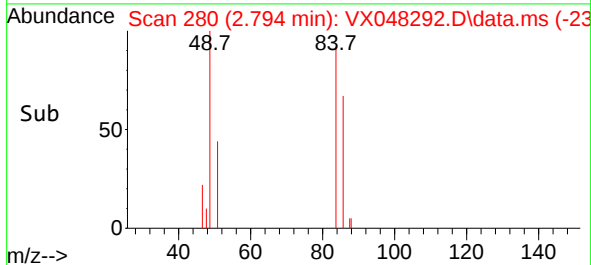
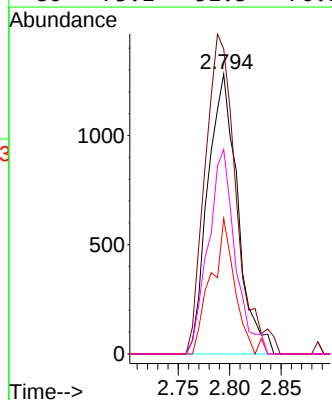
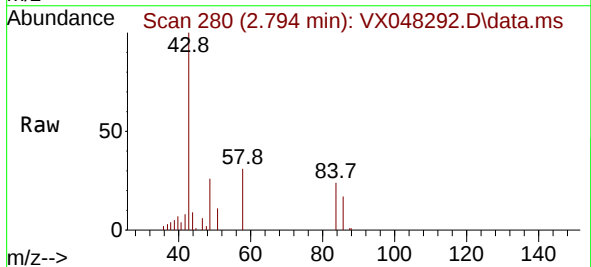
Instrument :
MSVOA_X
ClientSampleId :
41-RB

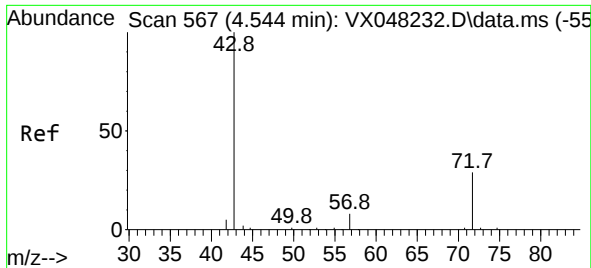
Tgt Ion: 43 Resp: 45636
Ion Ratio Lower Upper
43 100
58 29.4 23.4 35.2



#20
Methylene Chloride
Concen: 1.871 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion: 84 Resp: 2584
Ion Ratio Lower Upper
84 100
49 109.0 104.1 156.1
51 48.4 31.3 46.9#
86 73.1 51.3 76.9

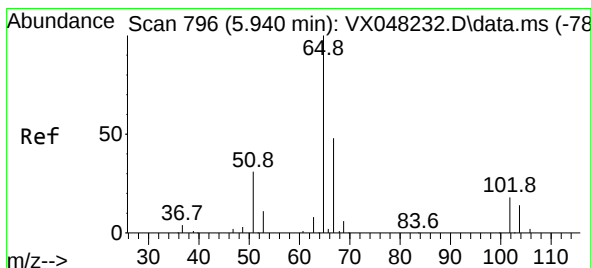
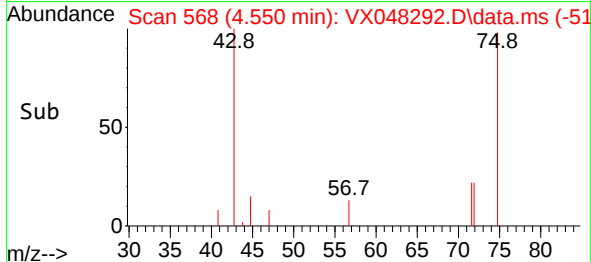
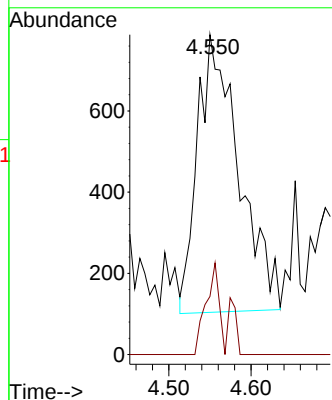
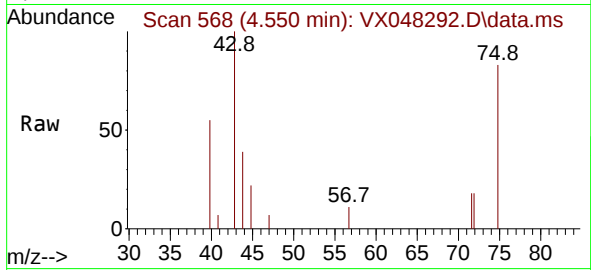




#25
2-Butanone
Concen: 3.346 ug/l
RT: 4.550 min Scan# 501
Delta R.T. 0.012 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

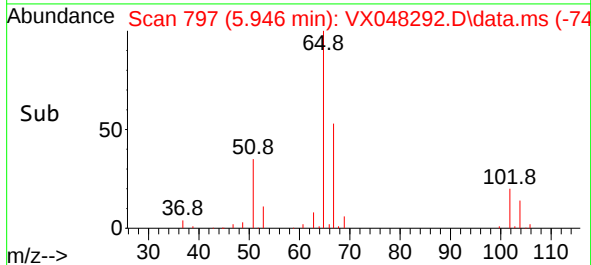
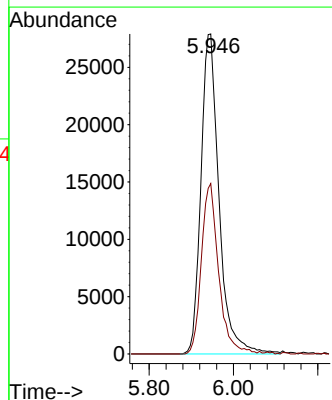
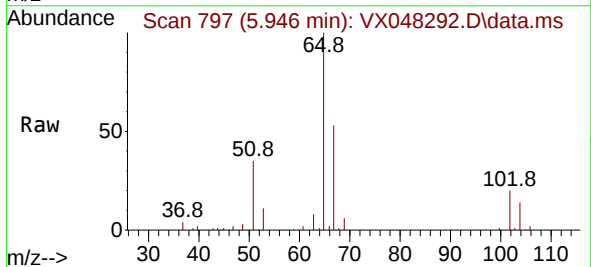
Instrument :
MSVOA_X
ClientSampleId :
41-RB

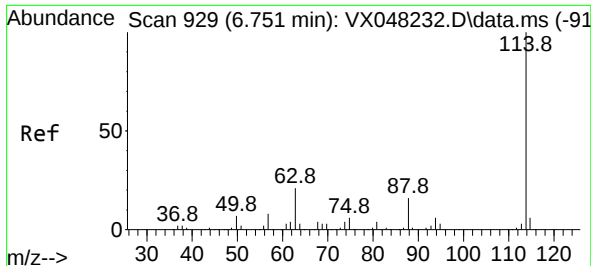
Tgt Ion: 43 Resp: 2401
Ion Ratio Lower Upper
43 100
72 22.1 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 50.400 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion: 65 Resp: 83284
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.0

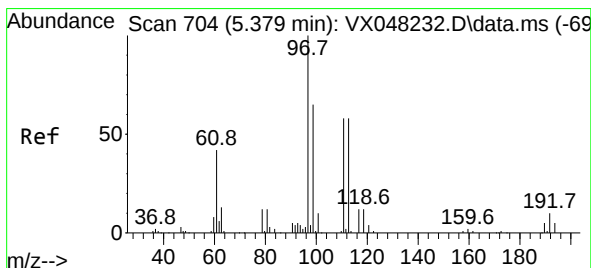
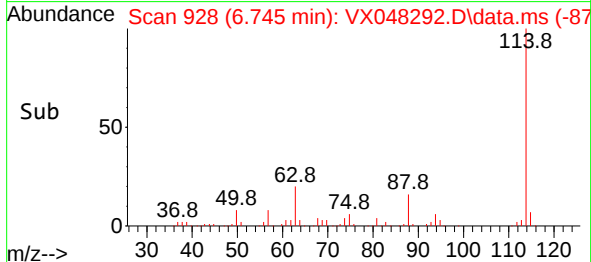
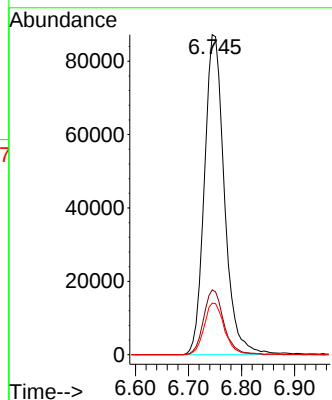
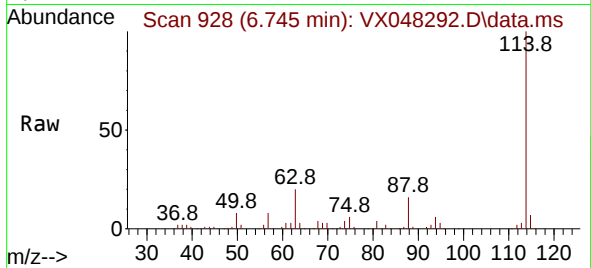




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

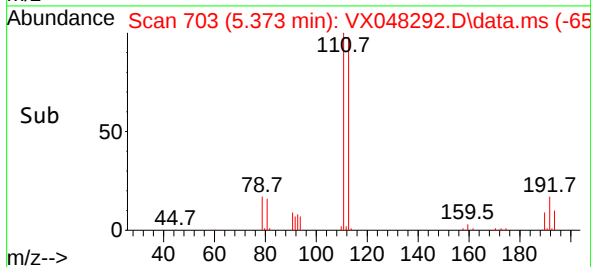
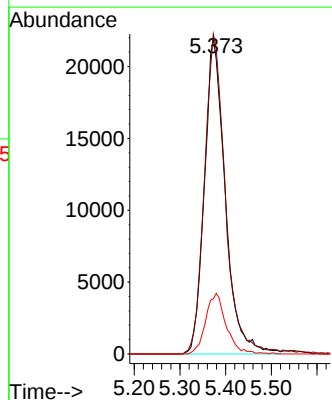
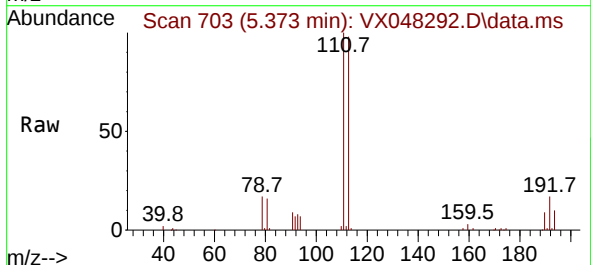
Instrument :
MSVOA_X
ClientSampleId :
41-RB

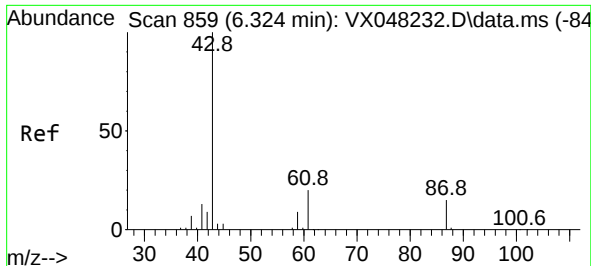
Tgt Ion:114 Resp: 228776
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 16.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion:113 Resp: 69712
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 18.7 15.1 22.7

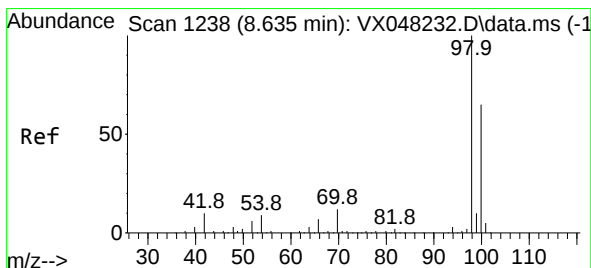
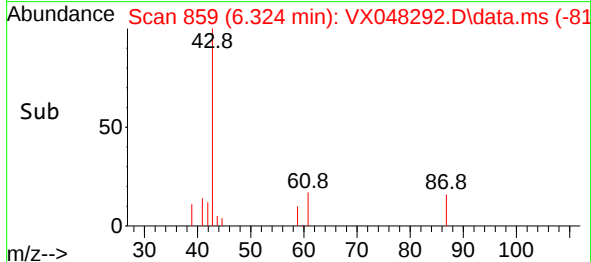
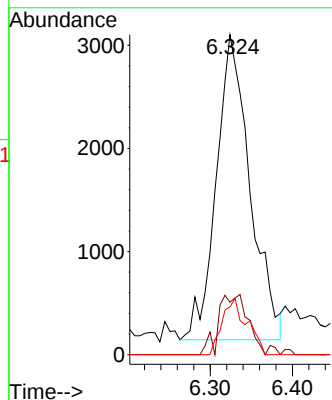
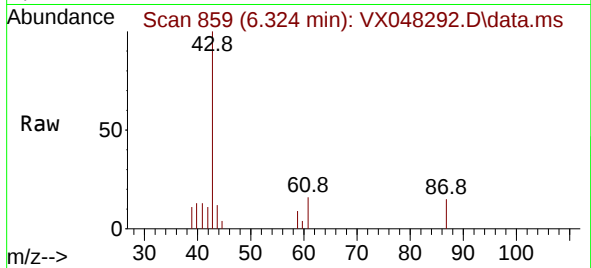




#43
Isopropyl Acetate
Concen: 2.789 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

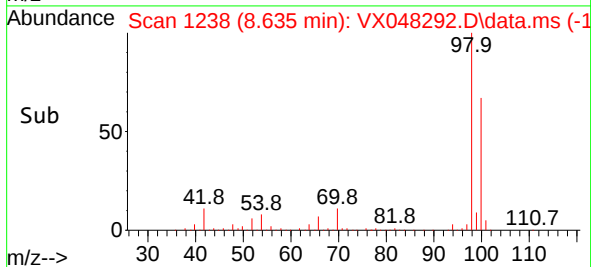
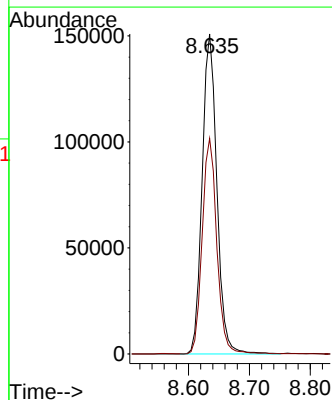
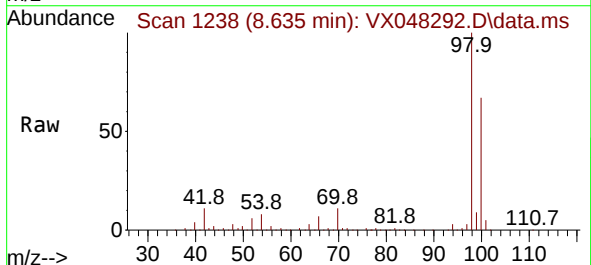
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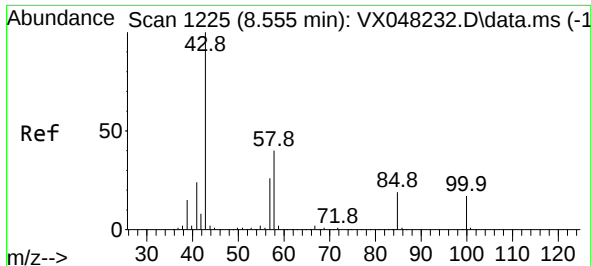
Tgt Ion:	43	Resp:	8429
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.9	22.3
87	13.6	9.4	14.2



#50
Toluene-d8
Concen: 46.238 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion:	98	Resp:	253125
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

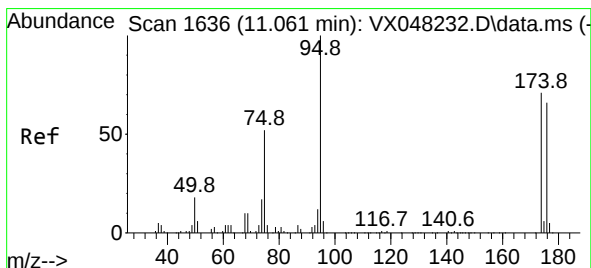
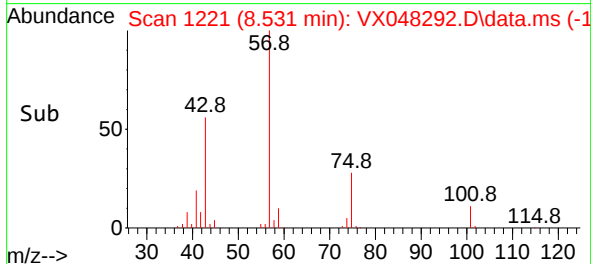
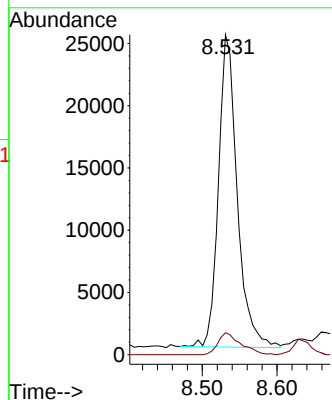
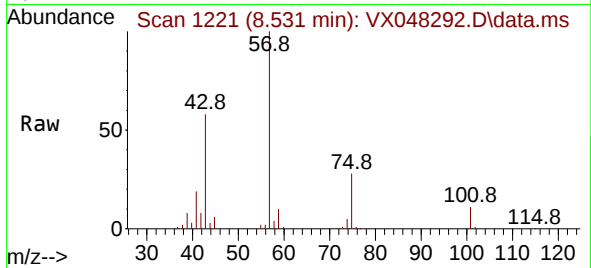




#51
4-Methyl-2-Pentanone
Concen: 25.233 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

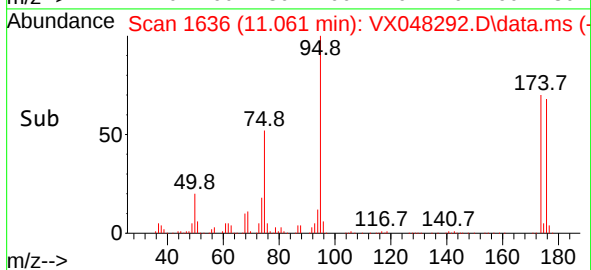
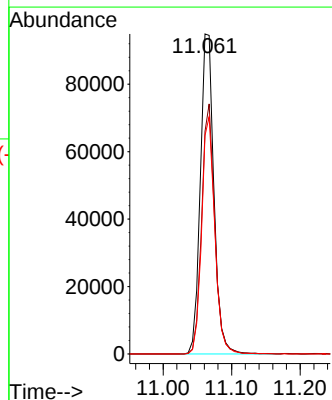
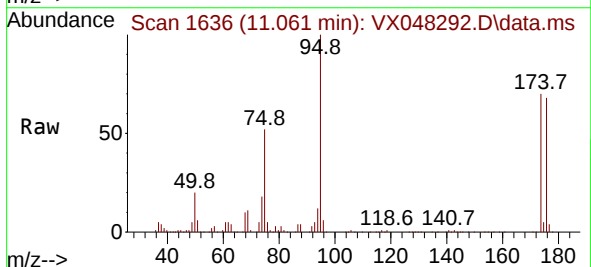
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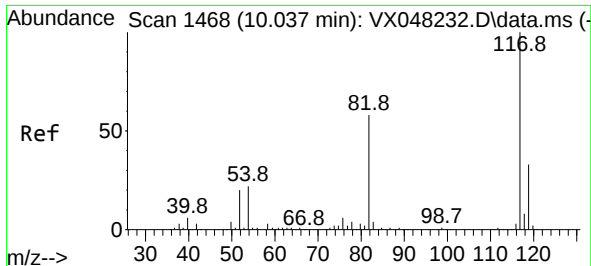
Tgt Ion: 43 Resp: 43971
Ion Ratio Lower Upper
43 100
58 8.6 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 62.971 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048292.D
Acq: 22 Oct 2025 13:04

Tgt Ion: 95 Resp: 131145
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.8
176 71.7 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: VX048292.D

Acq: 22 Oct 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

41-RB

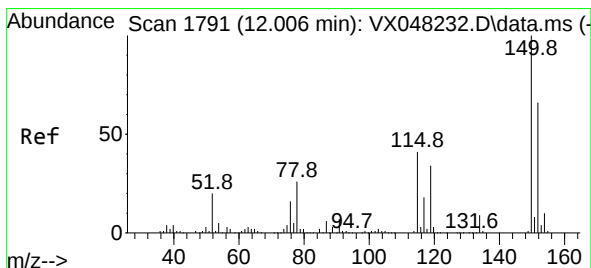
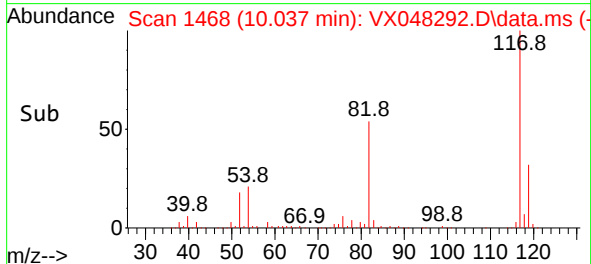
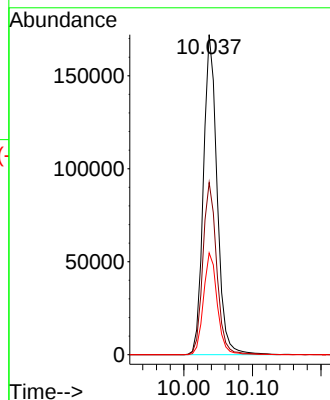
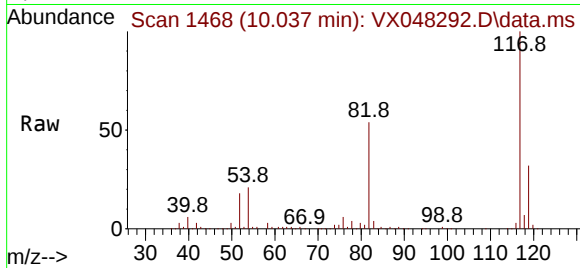
Tgt Ion:117 Resp: 240045

Ion Ratio Lower Upper

117 100

82 53.8 46.5 69.7

119 31.8 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: VX048292.D

Acq: 22 Oct 2025 13:04

Tgt Ion:152 Resp: 142960

Ion Ratio Lower Upper

152 100

115 61.4 43.1 129.4

150 160.0 0.0 353.0

