

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048289.D
 Acq On : 22 Oct 2025 12:02
 Operator : JC/MD
 Sample : Q3402-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41-LA

Quant Time: Oct 22 12:23:08 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)

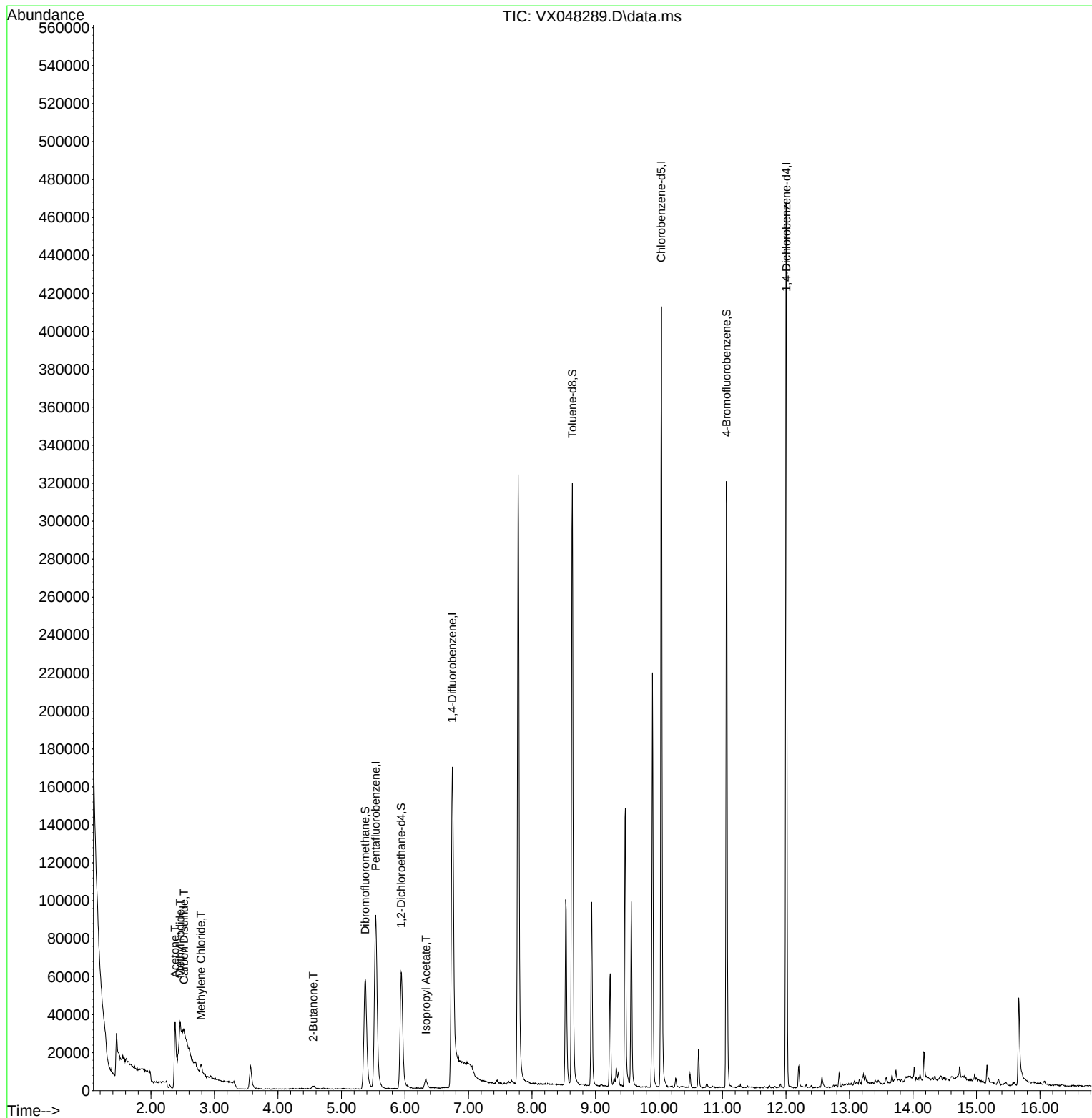
Internal Standards						
1) Pentafluorobenzene	5.538	168	93313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	184002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	191987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	70143	53.613	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.220%	
35) Dibromofluoromethane	5.373	113	56570	45.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.060%	
50) Toluene-d8	8.635	98	202744	46.047	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.100%	
62) 4-Bromofluorobenzene	11.061	95	93253	55.672	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	11134	8.795	ug/l	98
16) Acetone	2.380	43	50986	113.598	ug/l	93
17) Carbon Disulfide	2.520	76	6103	1.977	ug/l	96
20) Methylene Chloride	2.788	84	2374	2.171	ug/l #	87
25) 2-Butanone	4.556	43	2407	4.237	ug/l #	84
43) Isopropyl Acetate	6.330	43	6782	2.790	ug/l	96

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

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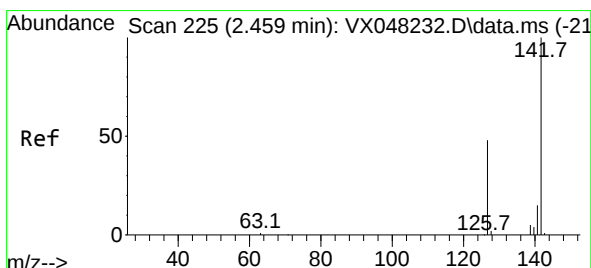
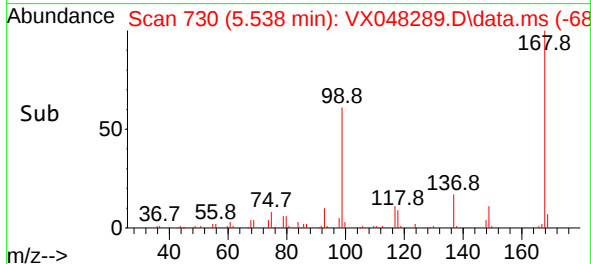
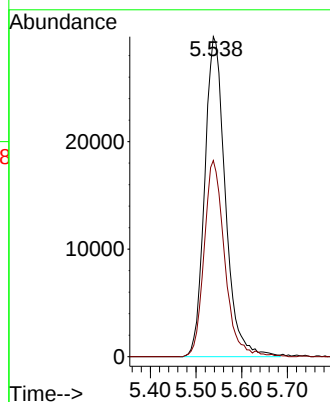
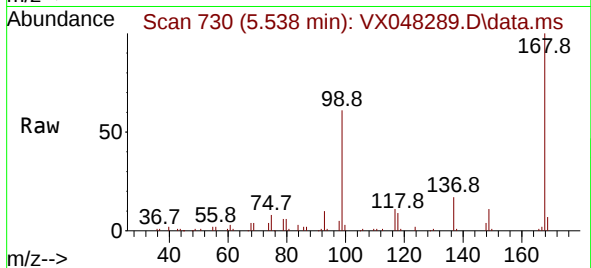




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

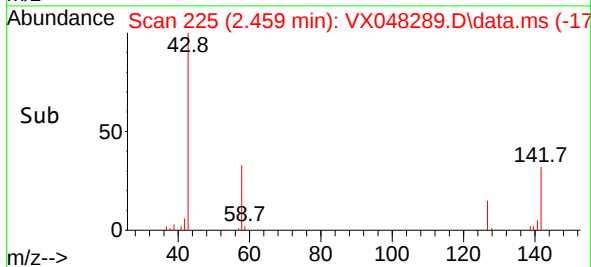
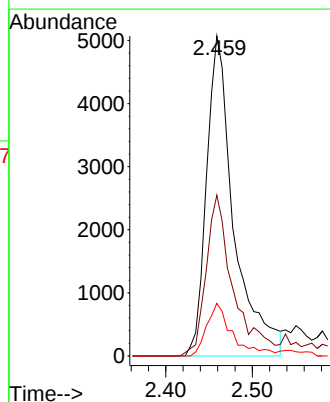
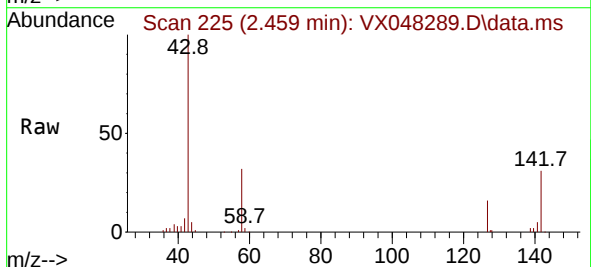
Instrument :
MSVOA_X
ClientSampleId :
41-LA

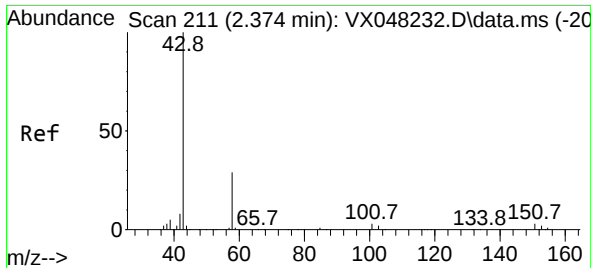
Tgt Ion:168 Resp: 93313
Ion Ratio Lower Upper
168 100
99 61.3 46.4 69.6



#10
Methyl Iodide
Concen: 8.795 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion:142 Resp: 11134
Ion Ratio Lower Upper
142 100
127 49.5 38.5 57.7
141 15.3 11.6 17.4

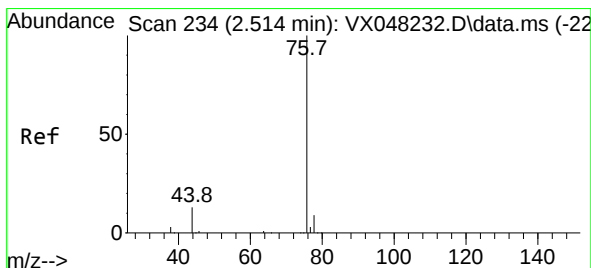
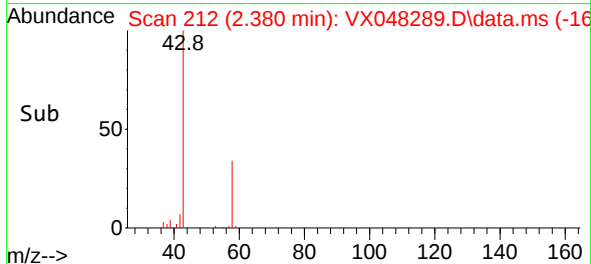
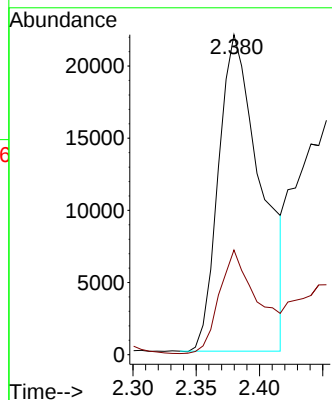
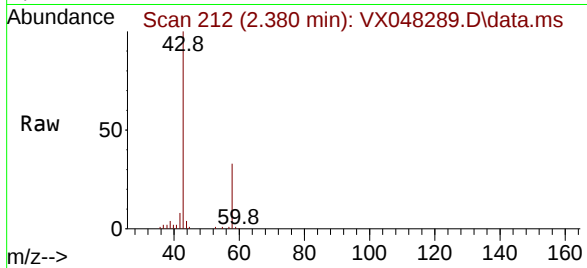




#16
Acetone
Concen: 113.598 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

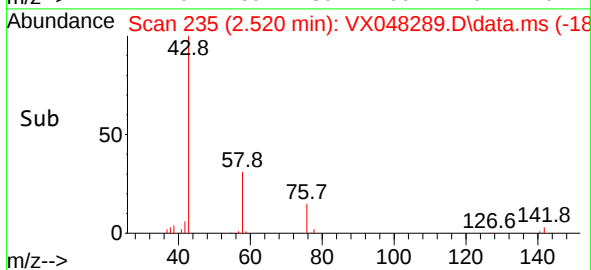
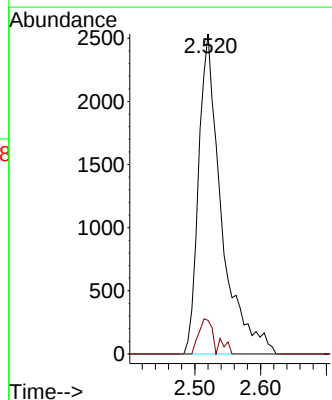
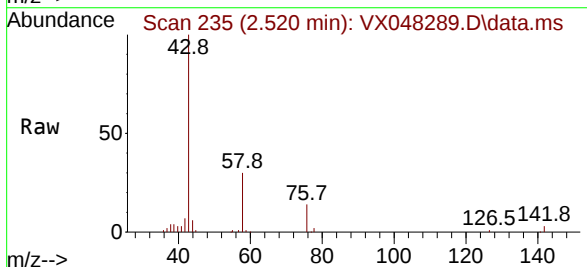
Instrument :
MSVOA_X
ClientSampleId :
41-LA

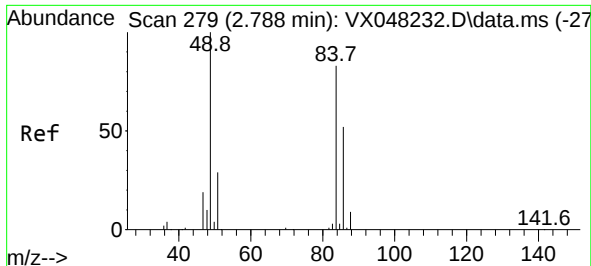
Tgt Ion: 43 Resp: 50986
Ion Ratio Lower Upper
43 100
58 33.3 23.4 35.2



#17
Carbon Disulfide
Concen: 1.977 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion: 76 Resp: 6103
Ion Ratio Lower Upper
76 100
78 10.5 7.1 10.7

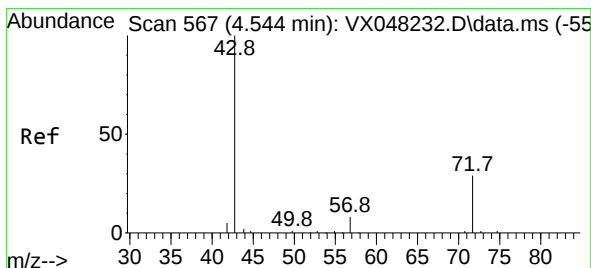
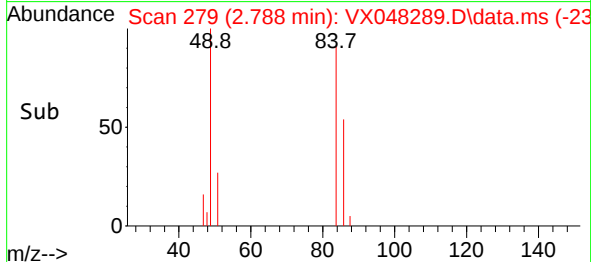
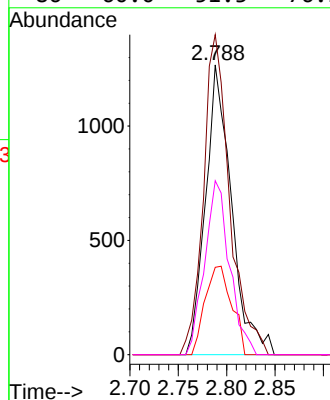
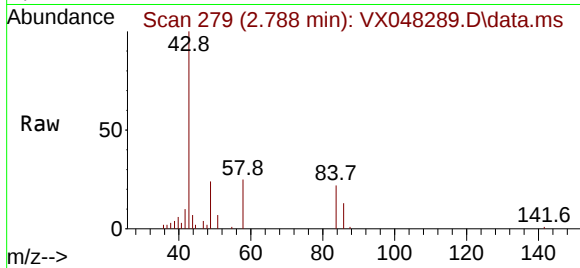




#20
Methylene Chloride
Concen: 2.171 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

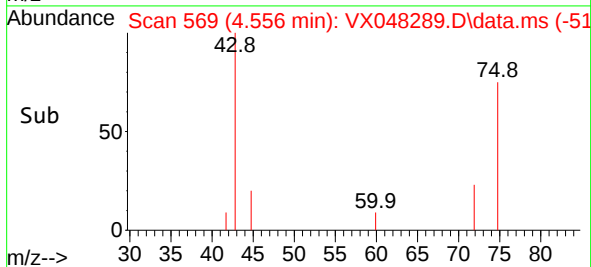
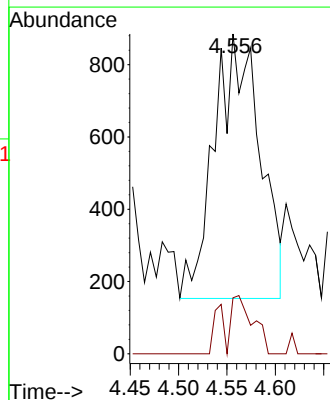
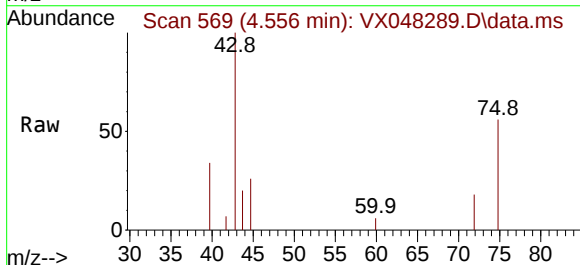
Instrument :
MSVOA_X
ClientSampleId :
41-LA

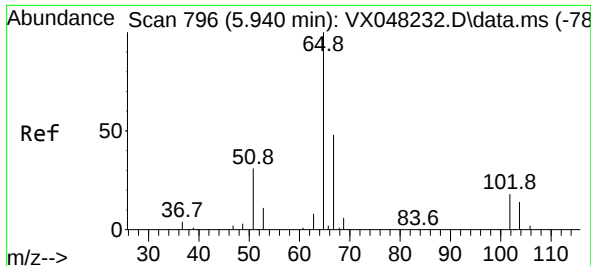
Tgt Ion:	84	Resp:	2374
Ion	Ratio	Lower	Upper
84	100		
49	110.4	104.1	156.1
51	30.1	31.3	46.9#
86	60.0	51.3	76.9



#25
2-Butanone
Concen: 4.237 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion:	43	Resp:	2407
Ion	Ratio	Lower	Upper
43	100		
72	17.0	19.9	29.9#

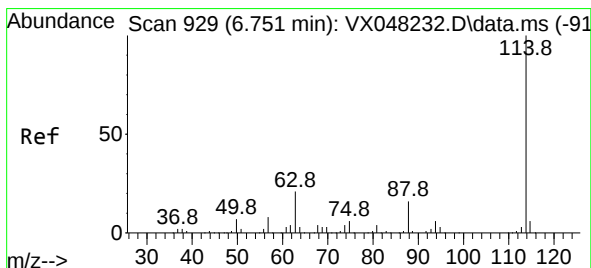
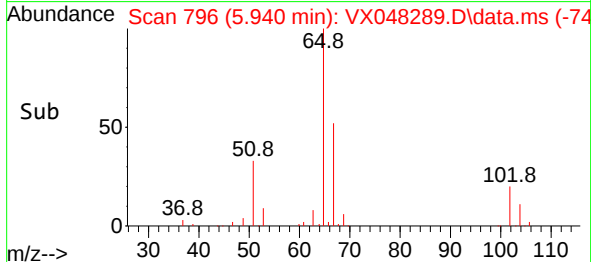
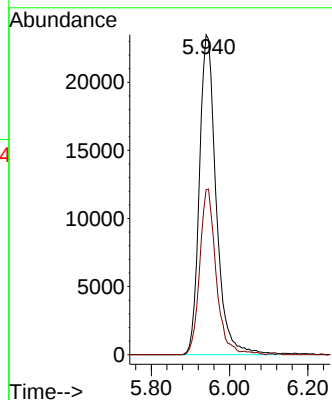
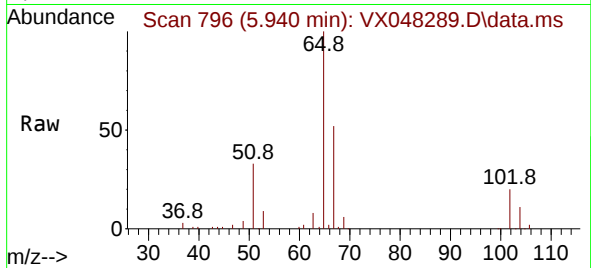




#33
 1,2-Dichloroethane-d4
 Concen: 53.613 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048289.D
 Acq: 22 Oct 2025 12:02

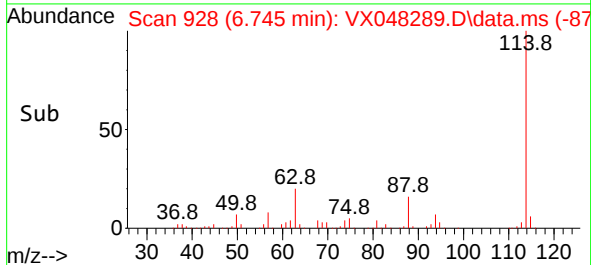
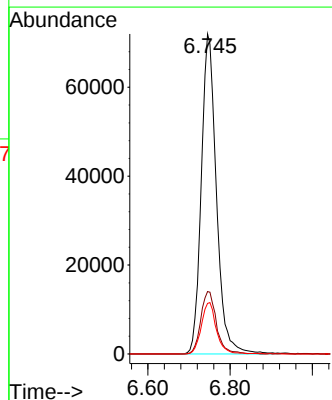
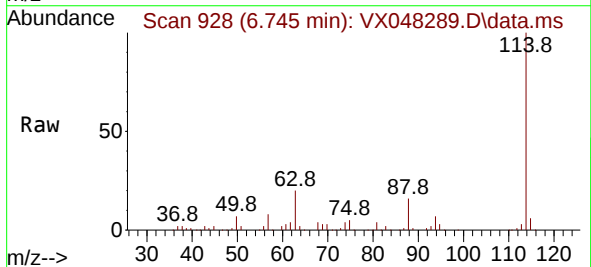
Instrument :
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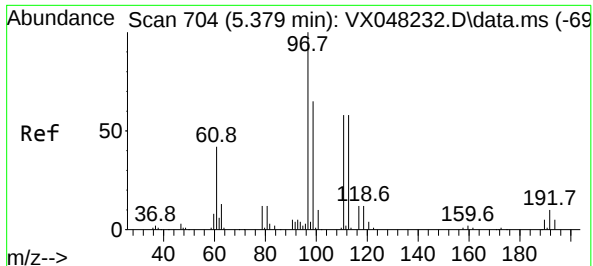
Tgt Ion: 65 Resp: 70143
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048289.D
 Acq: 22 Oct 2025 12:02

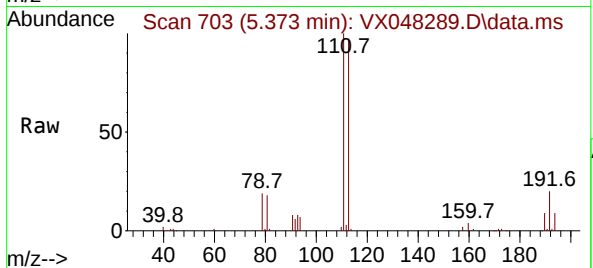
Tgt Ion: 114 Resp: 184002
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.2
 88 15.8 0.0 33.6



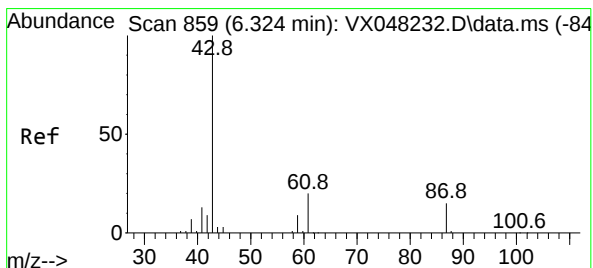
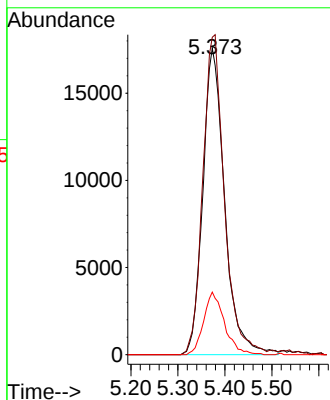
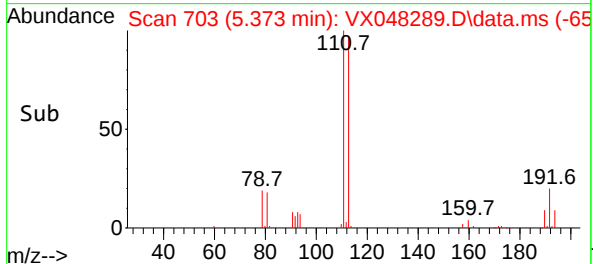


#35
Dibromofluoromethane
Concen: 45.034 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
41-LA

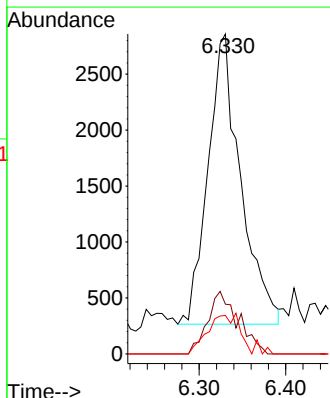
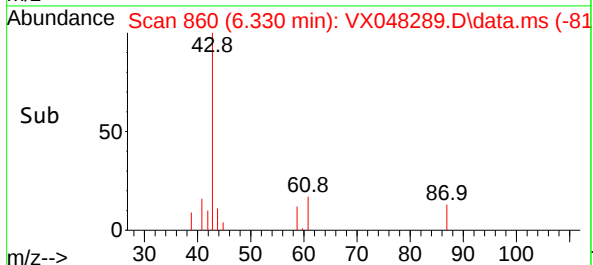
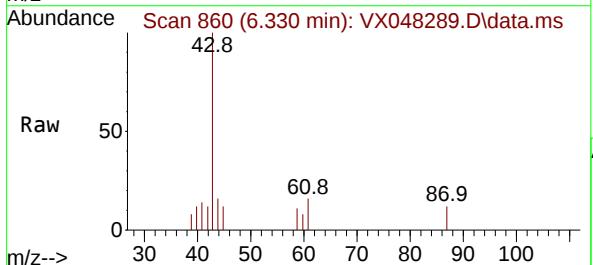


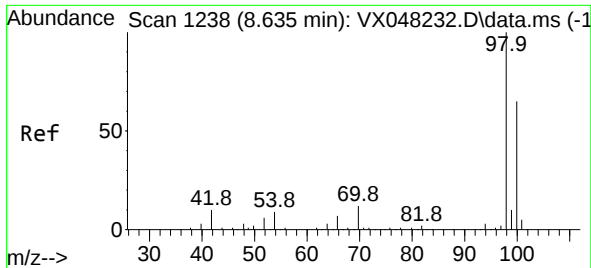
Tgt Ion:113 Resp: 56570
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 19.5 15.1 22.7



#43
Isopropyl Acetate
Concen: 2.790 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion: 43 Resp: 6782
Ion Ratio Lower Upper
43 100
61 20.2 14.9 22.3
87 13.3 9.4 14.2

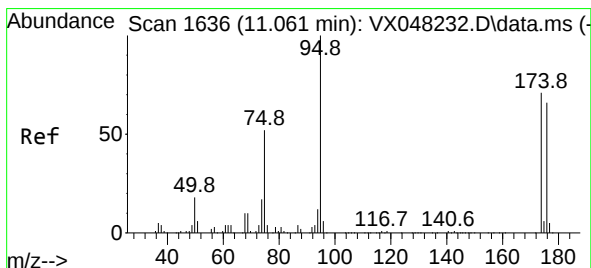
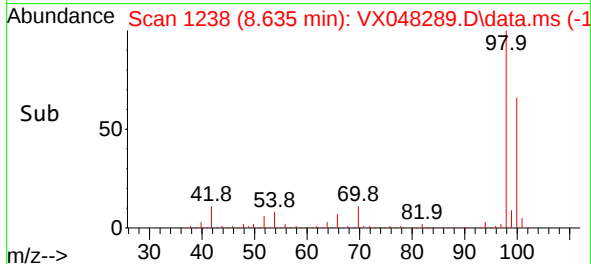
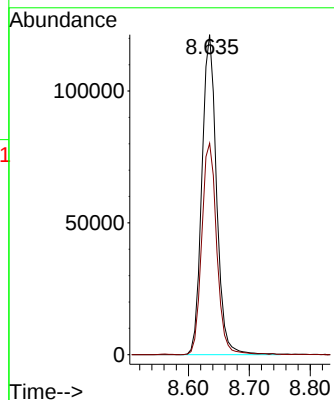
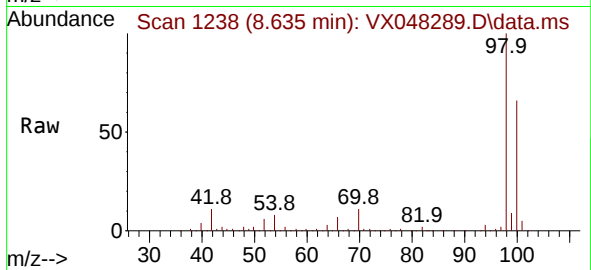




#50
Toluene-d8
Concen: 46.047 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

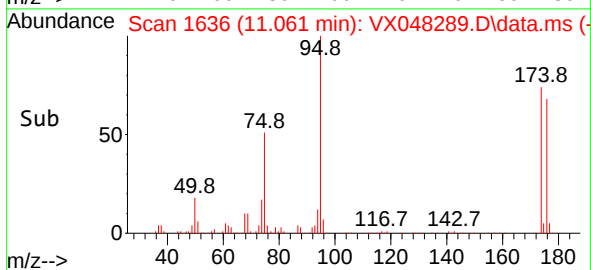
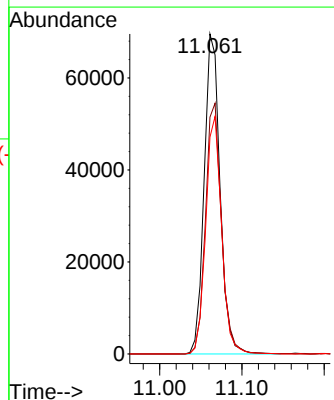
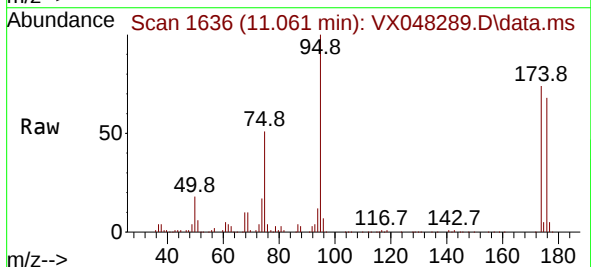
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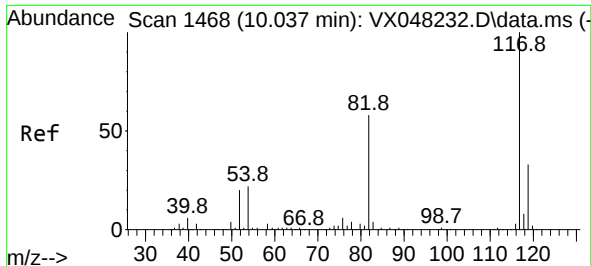
Tgt Ion: 98 Resp: 202744
Ion Ratio Lower Upper
98 100
100 67.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion: 95 Resp: 93253
Ion Ratio Lower Upper
95 100
174 79.1 0.0 147.8
176 74.5 0.0 142.8

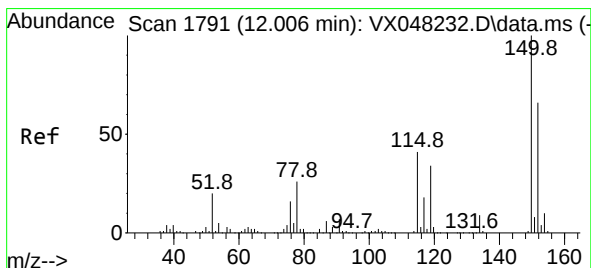
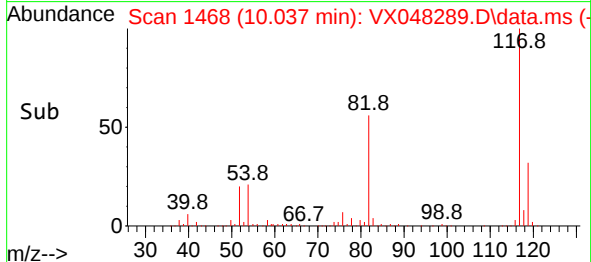
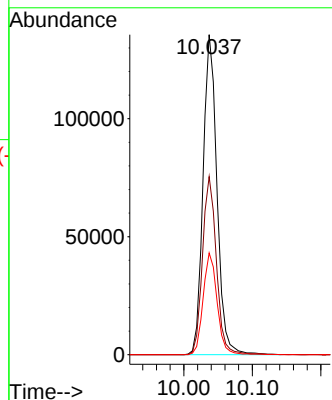
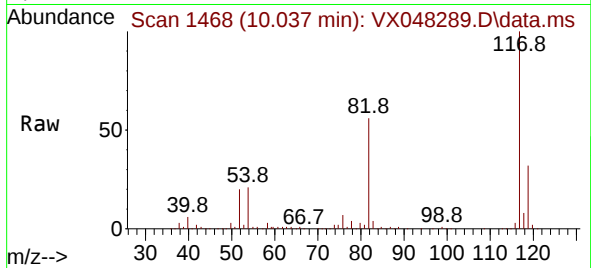




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048289.D
Acq: 22 Oct 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
41-LA

Tgt Ion:117 Resp: 191987
Ion Ratio Lower Upper
117 100
82 55.7 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: VX048289.D
Acq: 22 Oct 2025 12:02

Tgt Ion:152 Resp: 103348
Ion Ratio Lower Upper
152 100
115 61.8 43.1 129.4
150 155.4 0.0 353.0

