

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048147.D
 Acq On : 13 Oct 2025 16:52
 Operator : JC/MD
 Sample : Q3311-14 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

Quant Time: Oct 14 01:57:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

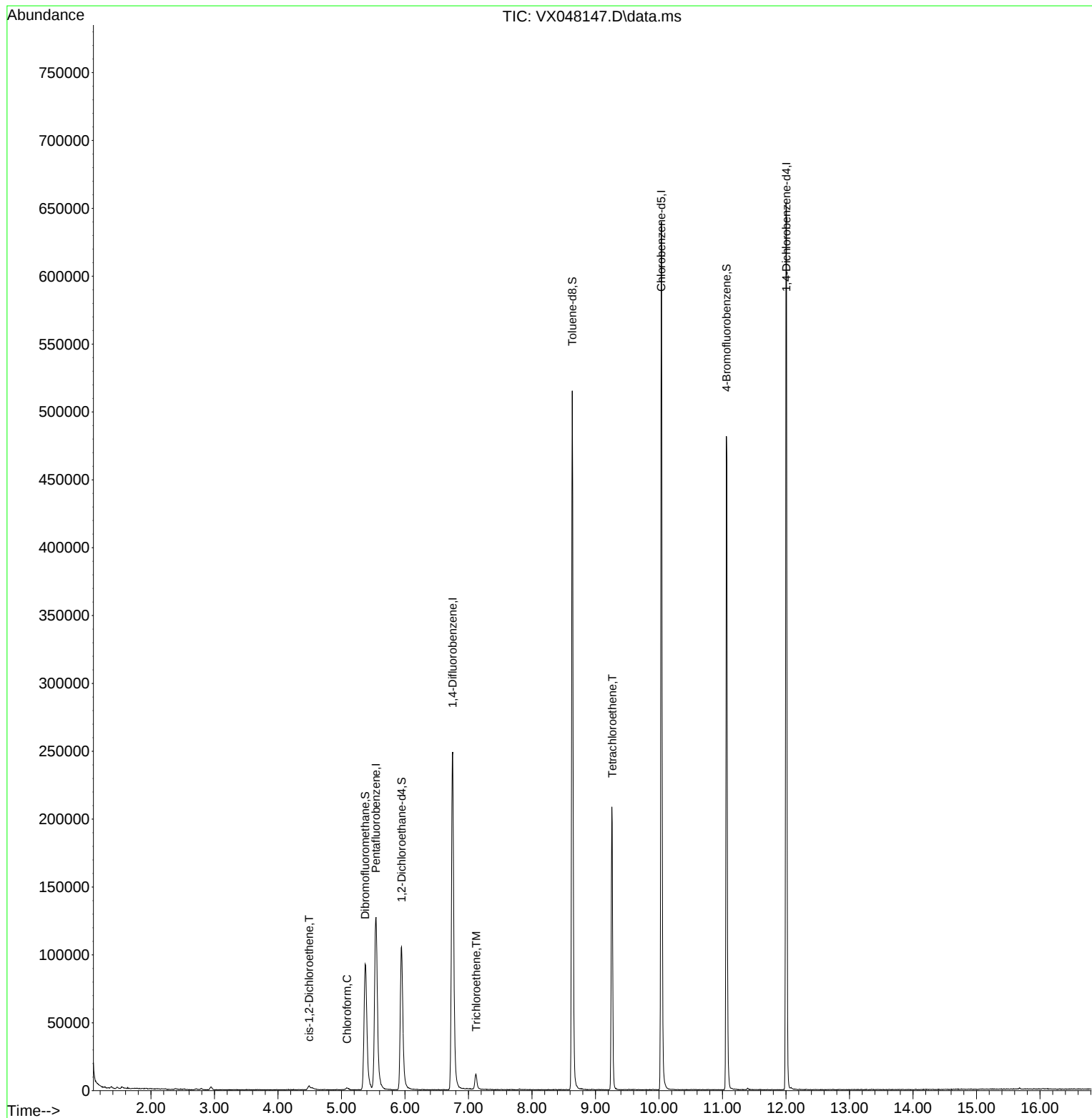
Internal Standards						
1) Pentafluorobenzene	5.544	168	130749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	269860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	284565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114634	55.081	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.160%	
35) Dibromofluoromethane	5.373	113	91897	50.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	8.635	98	310765	49.624	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	11.061	95	136870	57.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.180%	
Target Compounds						
						Qvalue
27) cis-1,2-Dichloroethene	4.489	96	2004	0.978	ug/l	82
30) Chloroform	5.087	83	1964	0.589	ug/l	91
44) Trichloroethene	7.123	130	4806	2.475	ug/l	87
64) Tetrachloroethene	9.263	164	40337	21.744	ug/l	94

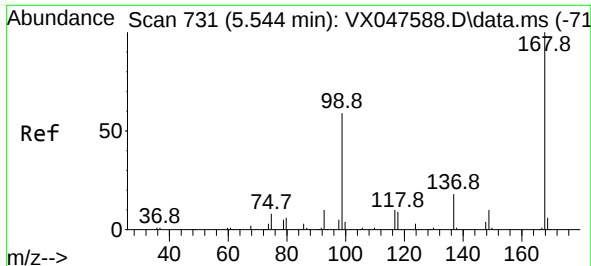
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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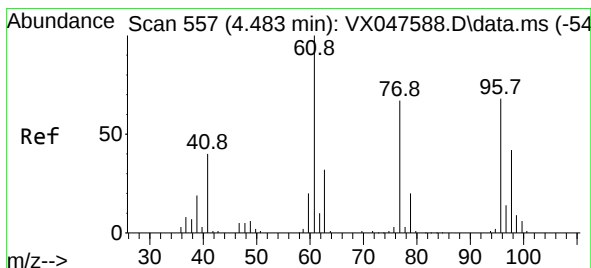
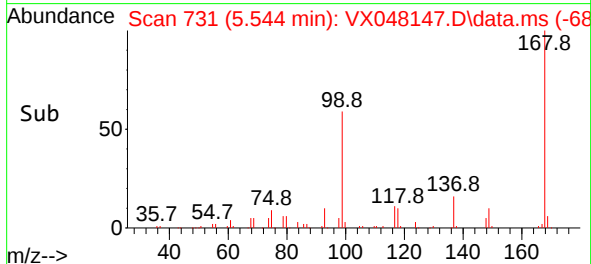
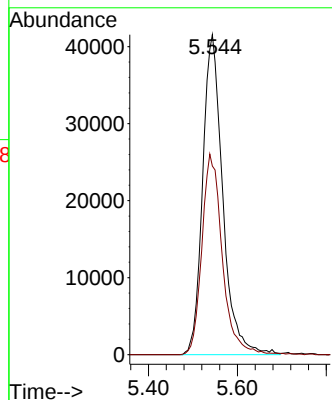
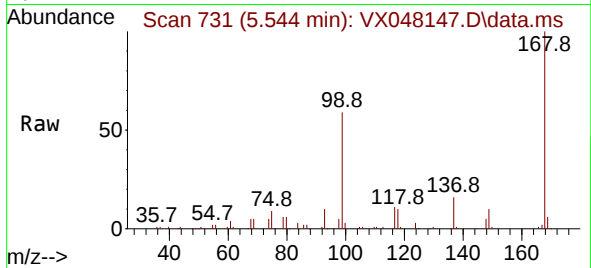




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

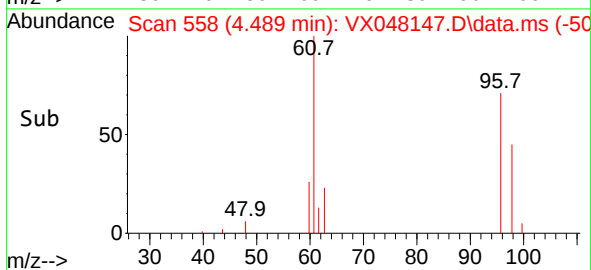
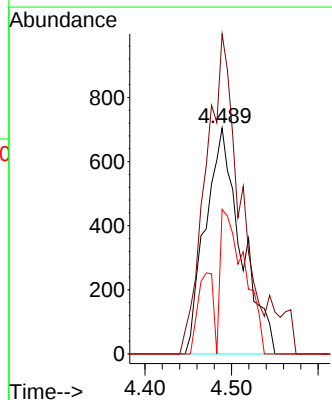
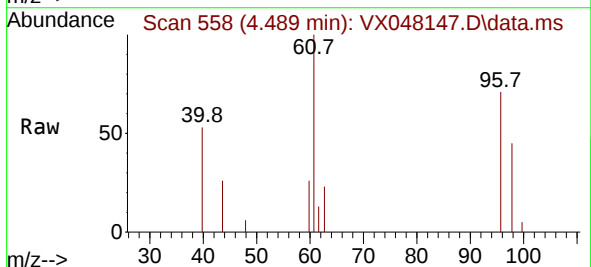
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

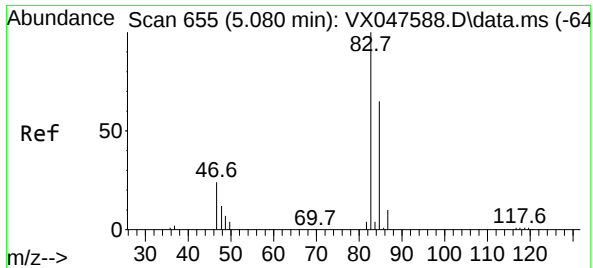
Tgt Ion:168 Resp: 130749
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2



#27
cis-1,2-Dichloroethene
Concen: 0.978 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 96 Resp: 2004
Ion Ratio Lower Upper
96 100
61 133.7 0.0 303.2
98 43.4 0.0 127.8





#30

Chloroform

Concen: 0.589 ug/l

RT: 5.087 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX048147.D

Acq: 13 Oct 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

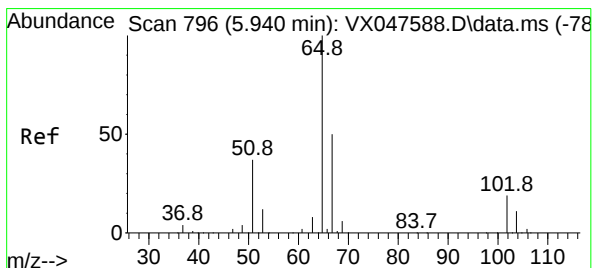
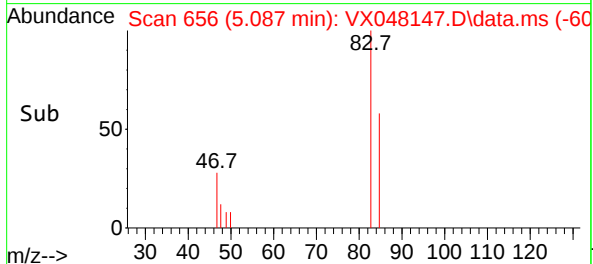
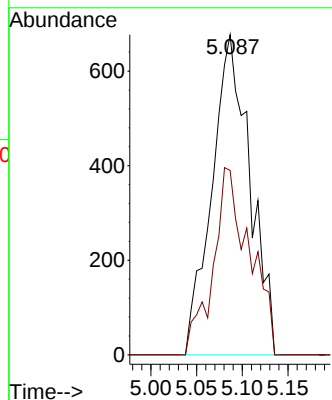
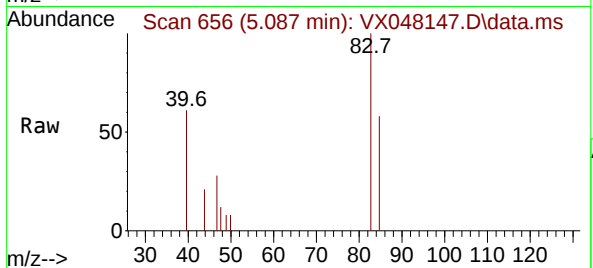
MW-227B

Tgt Ion: 83 Resp: 1964

Ion Ratio Lower Upper

83 100

85 57.6 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 55.081 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX048147.D

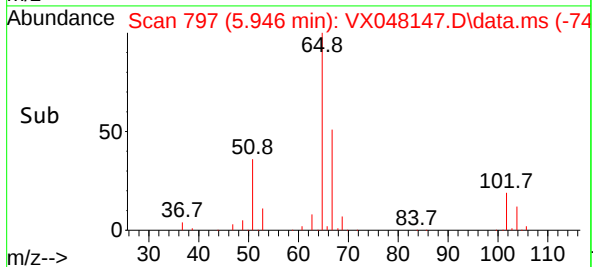
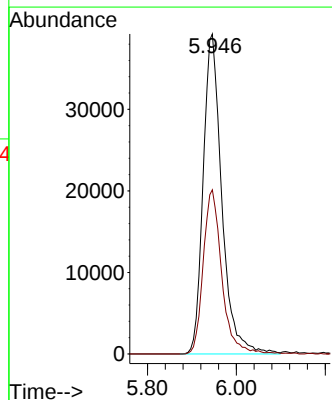
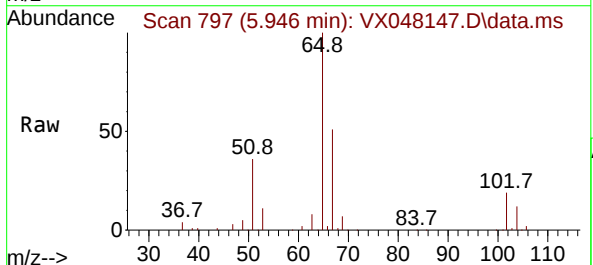
Acq: 13 Oct 2025 16:52

Tgt Ion: 65 Resp: 114634

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0

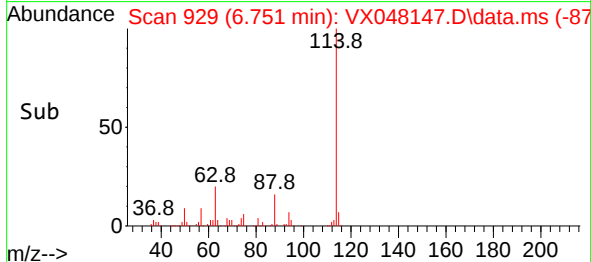
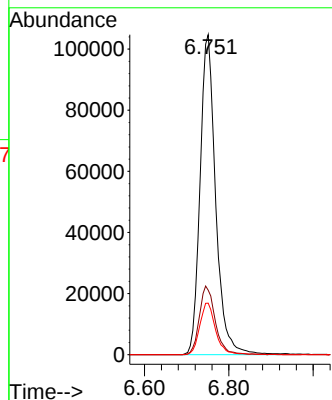
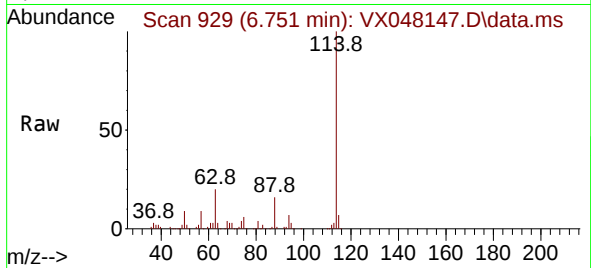




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

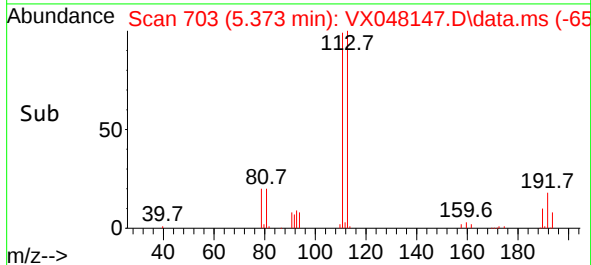
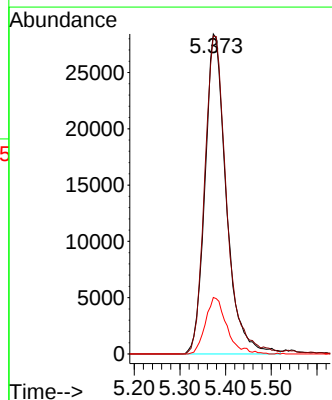
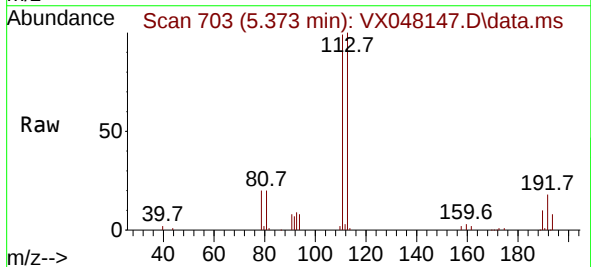
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

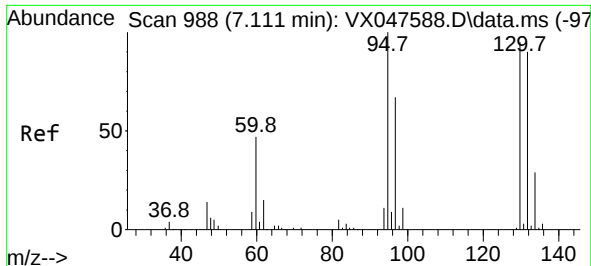
Tgt Ion:114 Resp: 269860
Ion Ratio Lower Upper
114 100
63 20.2 0.0 44.0
88 16.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.777 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion:113 Resp: 91897
Ion Ratio Lower Upper
113 100
111 101.8 80.9 121.3
192 17.7 14.2 21.4

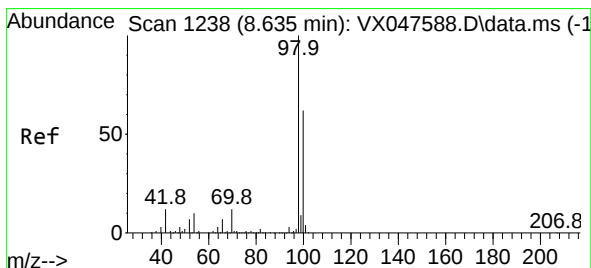
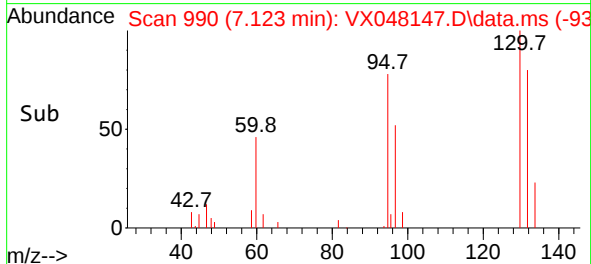
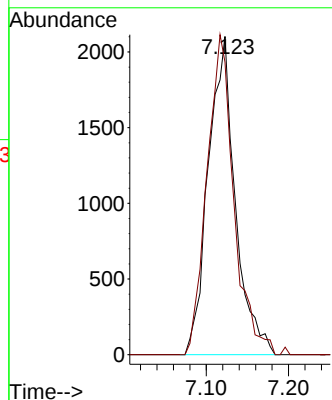
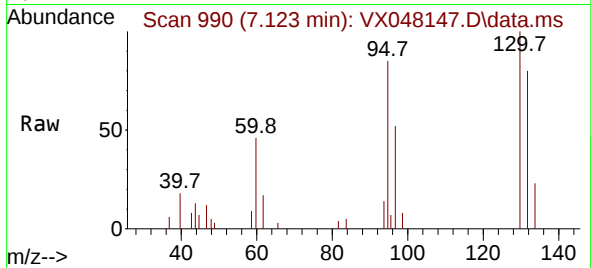




#44
Trichloroethene
Concen: 2.475 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

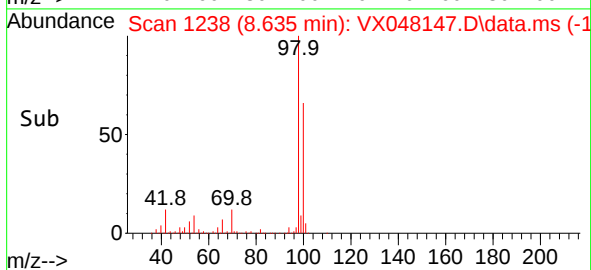
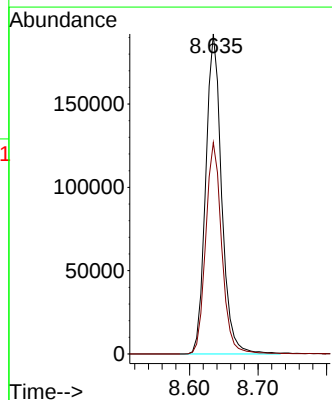
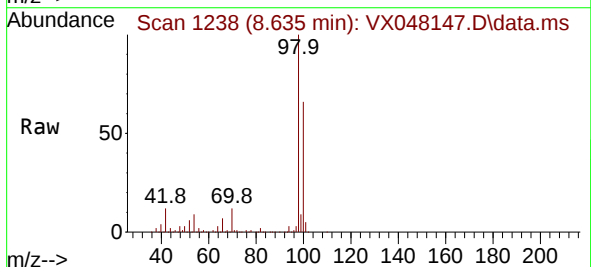
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

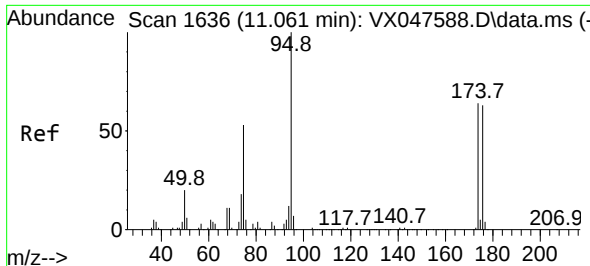
Tgt Ion:130 Resp: 4806
Ion Ratio Lower Upper
130 100
95 91.9 0.0 210.8



#50
Toluene-d8
Concen: 49.624 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 98 Resp: 310765
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

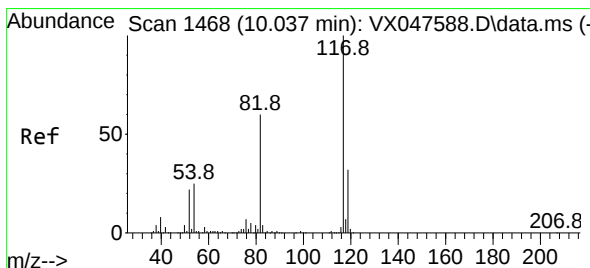
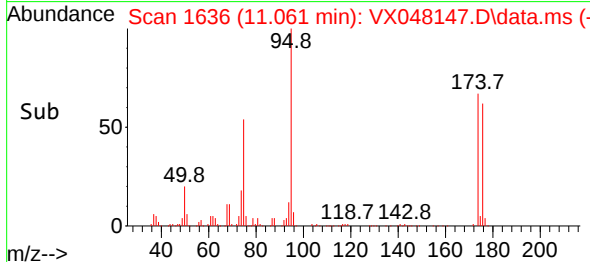
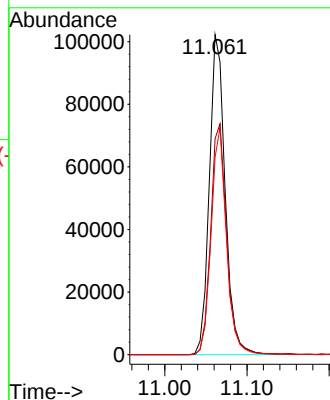
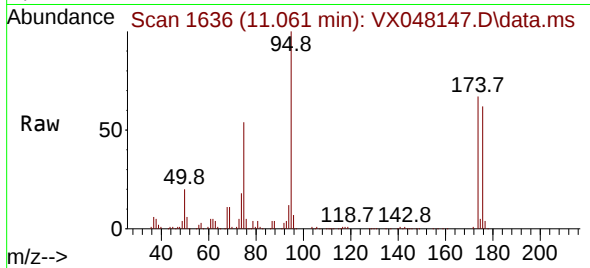




#62
4-Bromofluorobenzene
Concen: 57.589 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

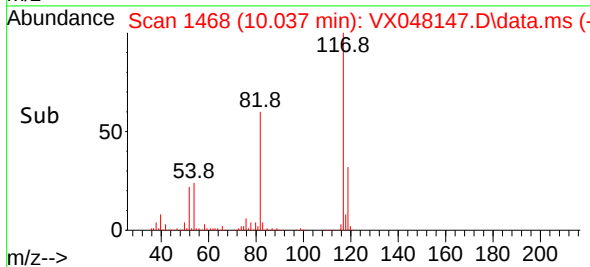
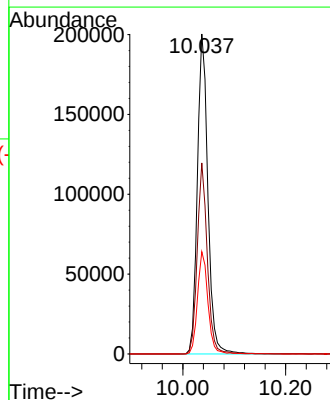
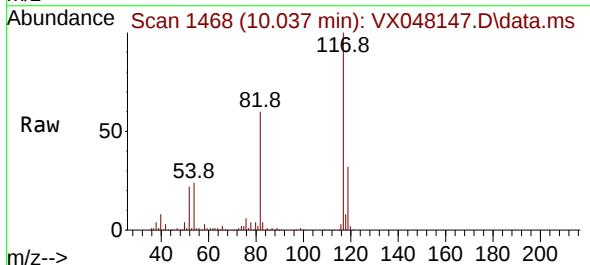
Instrument :
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ClientSampleId :
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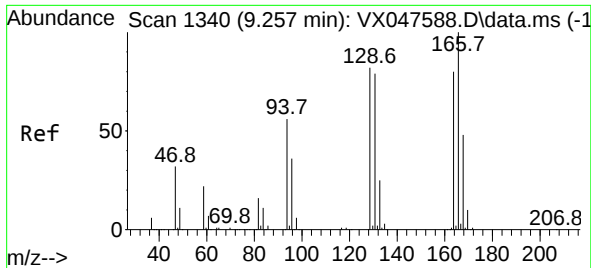
Tgt Ion: 95 Resp: 136870
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 117 Resp: 284565
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.0 25.2 37.8

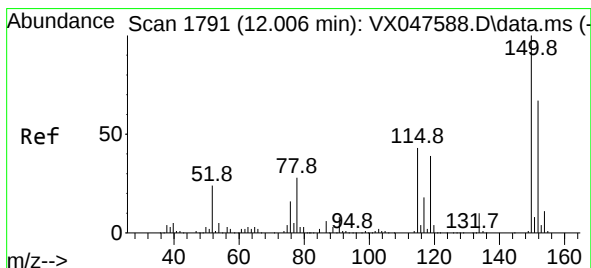
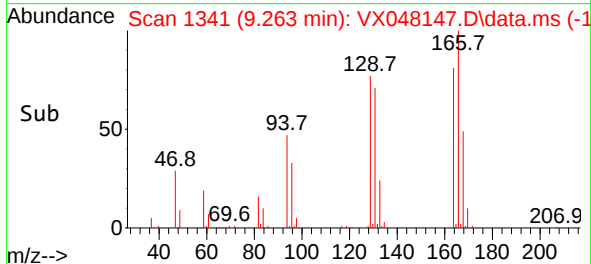
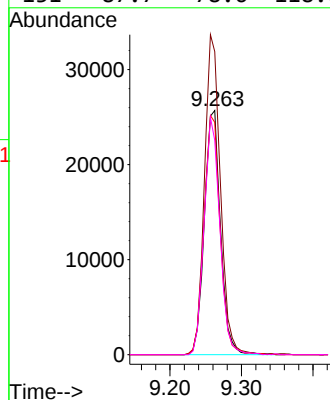
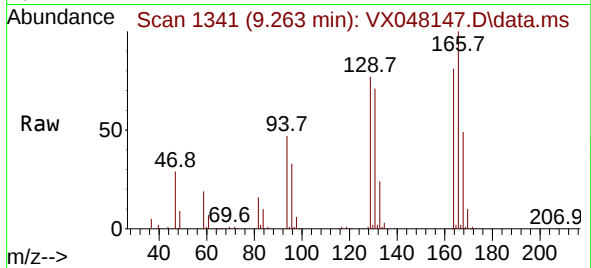




#64
Tetrachloroethene
Concen: 21.744 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-227B

Tgt Ion:164 Resp: 40337
Ion Ratio Lower Upper
164 100
166 124.2 100.2 150.2
129 95.1 81.8 122.6
131 87.7 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion:152 Resp: 140438
Ion Ratio Lower Upper
152 100
115 62.9 44.9 134.5
150 157.9 0.0 352.0

