

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047612.D
 Acq On : 17 Sep 2025 13:03
 Operator : JC/MD
 Sample : Q3095-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20250909

Quant Time: Sep 18 02:03:25 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)

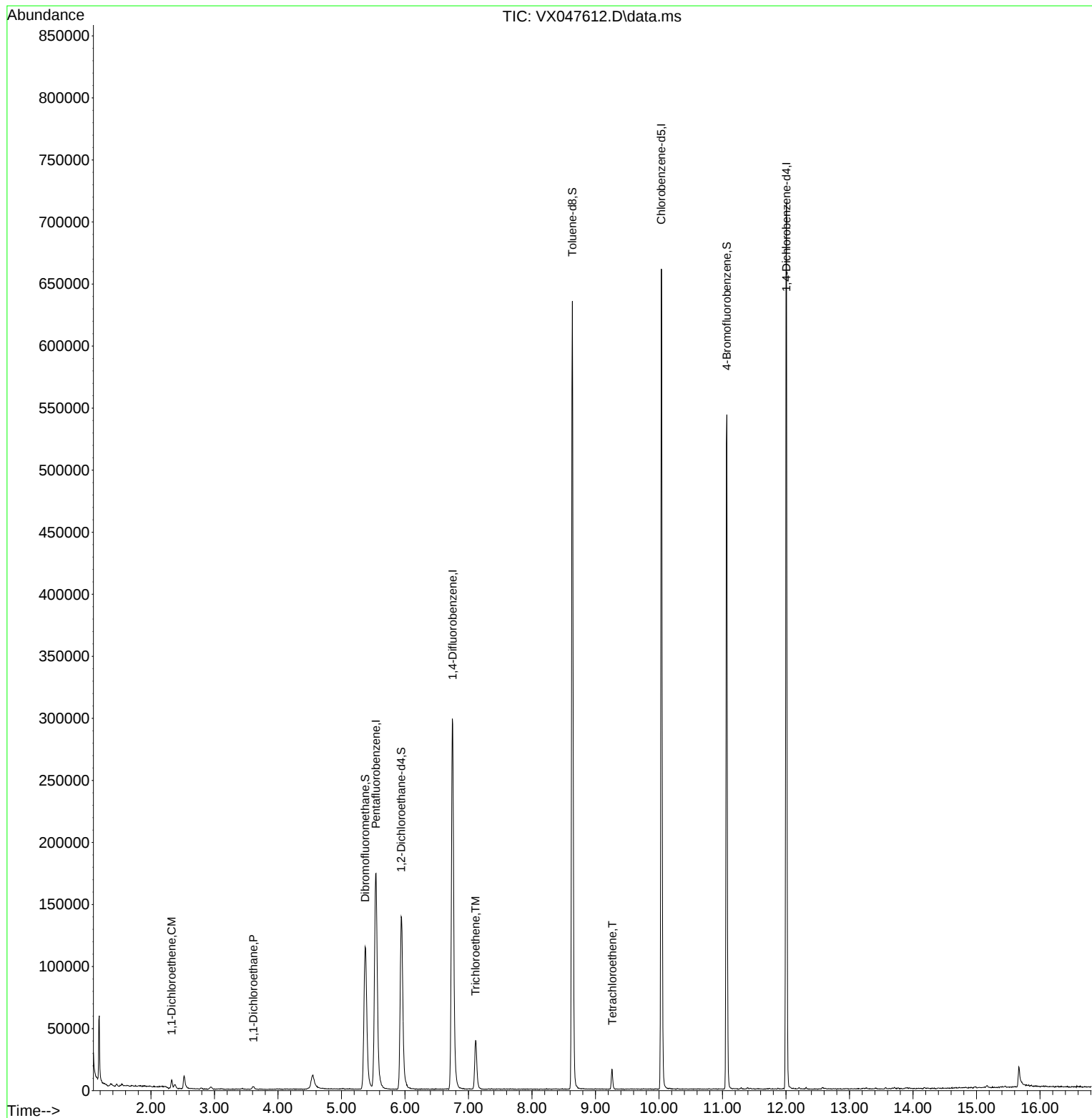
Internal Standards						
1) Pentafluorobenzene	5.544	168	178402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	326098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	153756	54.145	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.280%	
35) Dibromofluoromethane	5.373	113	113462	51.880	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.760%	
50) Toluene-d8	8.635	98	394528	52.135	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	11.067	95	156782	54.590	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.180%	
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.325	96	2675	1.262	ug/l	94
24) 1,1-Dichloroethane	3.611	63	3064	0.680	ug/l #	94
44) Trichloroethene	7.111	130	17063	7.271	ug/l	90
64) Tetrachloroethene	9.263	164	3235	1.684	ug/l #	85

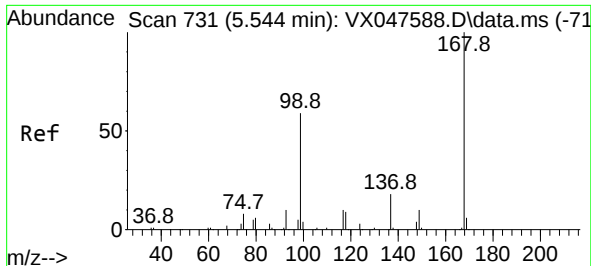
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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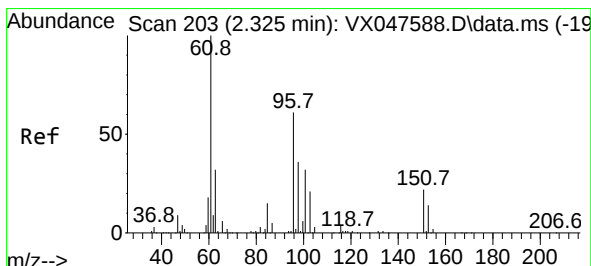
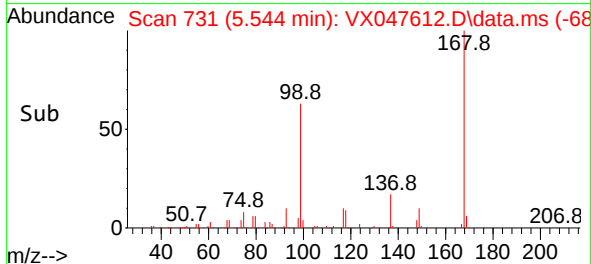
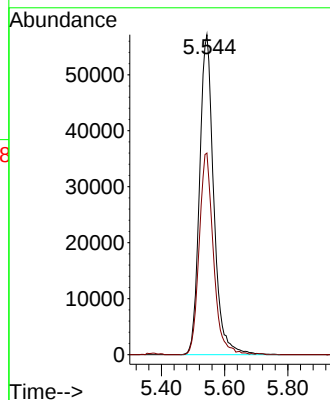
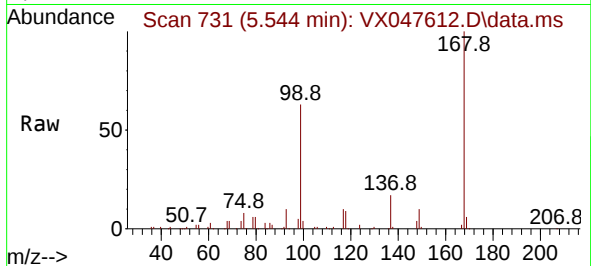




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

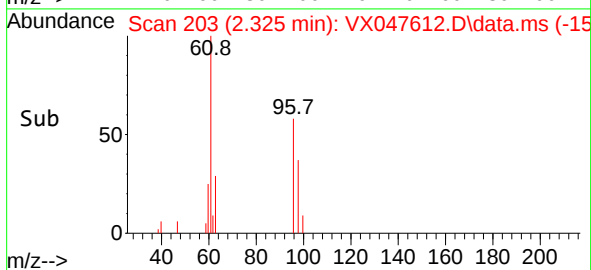
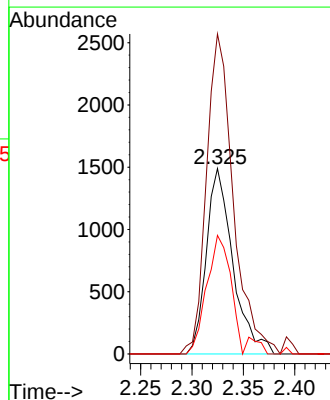
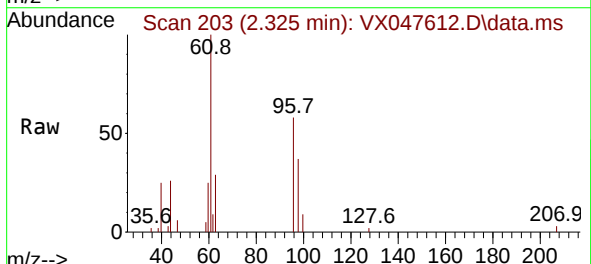
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

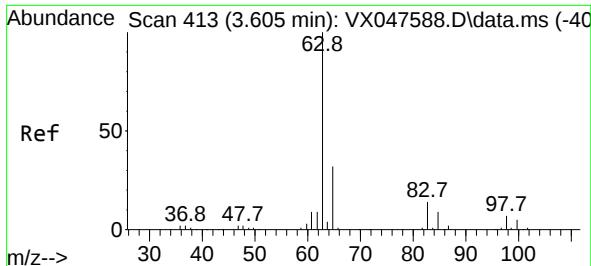
Tgt Ion:168 Resp: 178402
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#12
1,1-Dichloroethene
Concen: 1.262 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 96 Resp: 2675
Ion Ratio Lower Upper
96 100
61 172.5 131.0 196.6
98 63.9 47.7 71.5

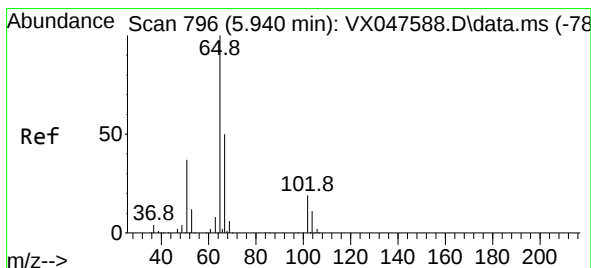
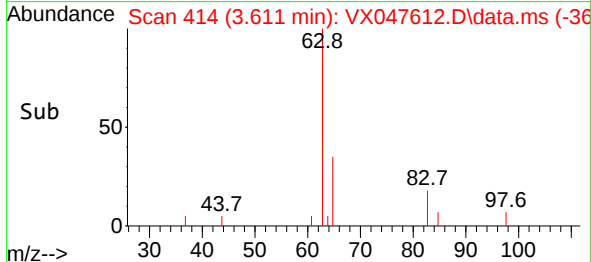
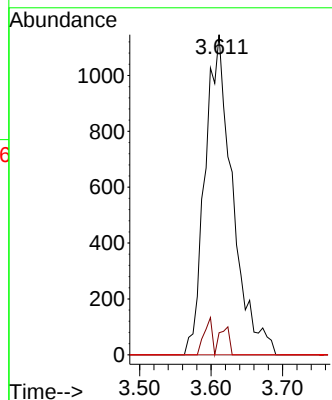
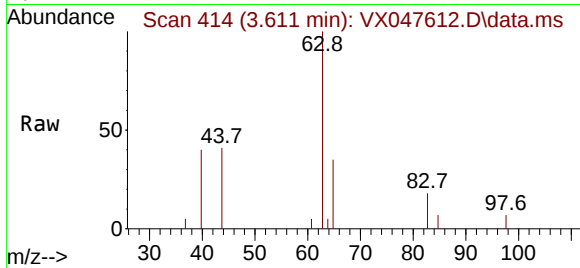




#24
 1,1-Dichloroethane
 Concen: 0.680 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX047612.D
 Acq: 17 Sep 2025 13:03

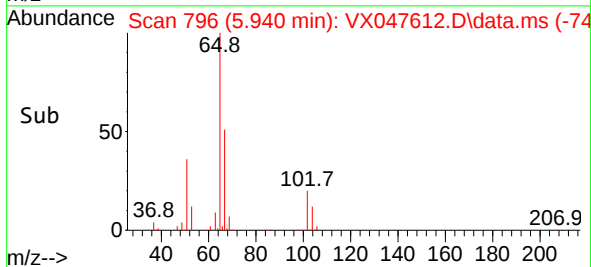
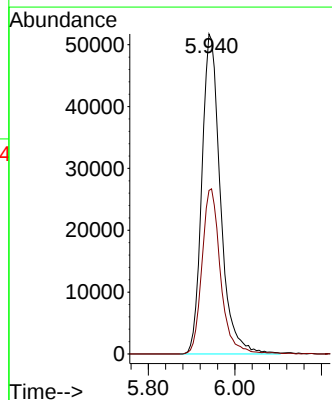
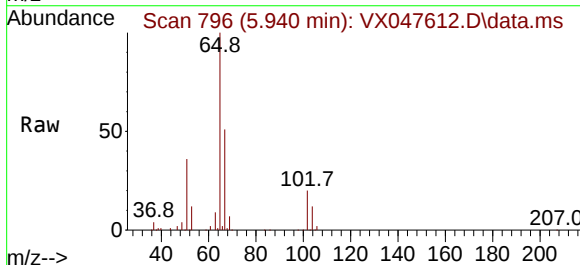
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20250909

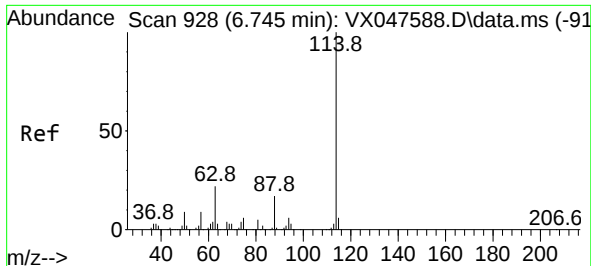
Tgt Ion: 63 Resp: 3064
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.8 11.2
 100 0.0 2.3 6.9#



#33
 1,2-Dichloroethane-d4
 Concen: 54.145 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX047612.D
 Acq: 17 Sep 2025 13:03

Tgt Ion: 65 Resp: 153756
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0

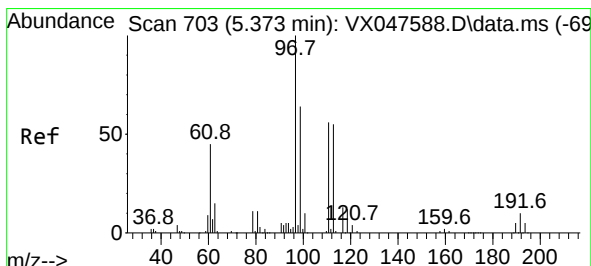
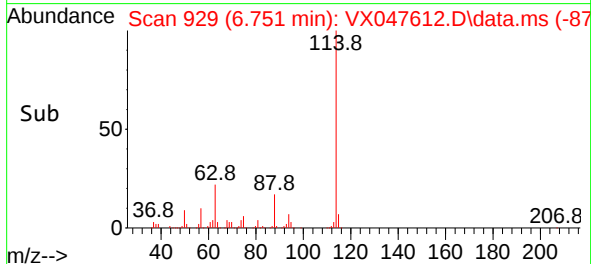
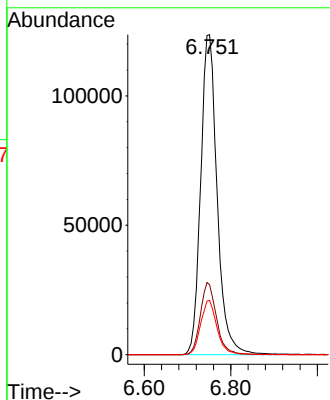
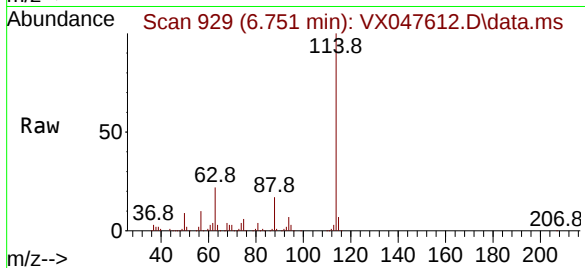




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

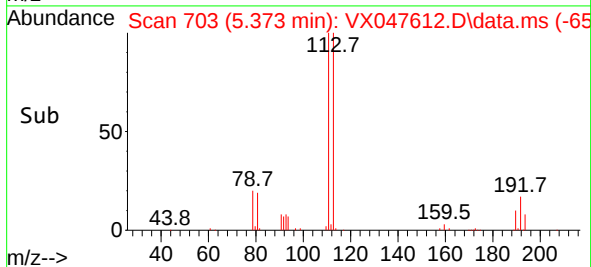
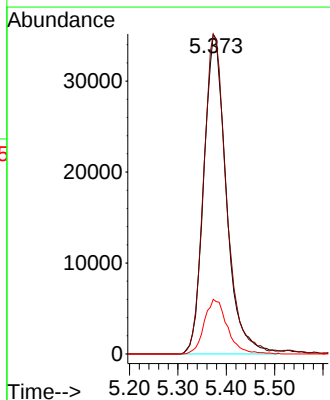
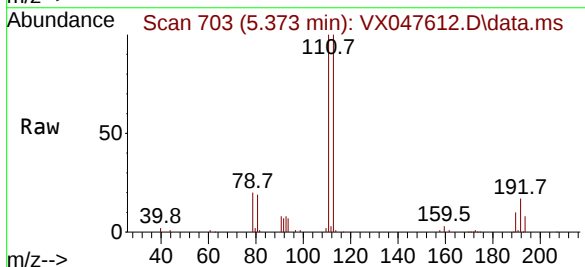
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

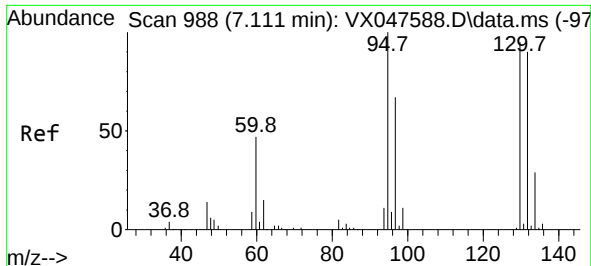
Tgt Ion:114 Resp: 326098
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.0
88 17.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:113 Resp: 113462
Ion Ratio Lower Upper
113 100
111 101.1 80.9 121.3
192 17.5 14.2 21.4

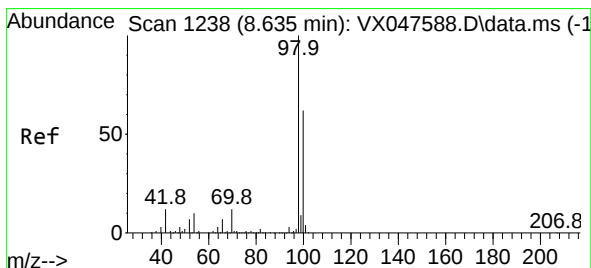
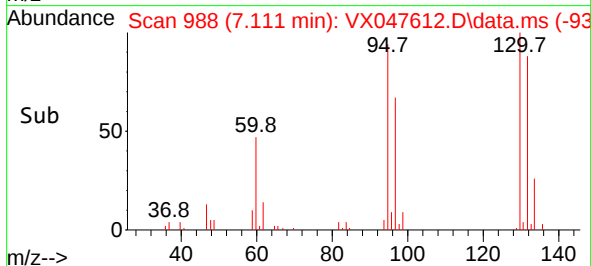
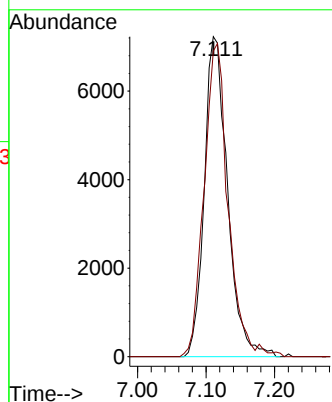
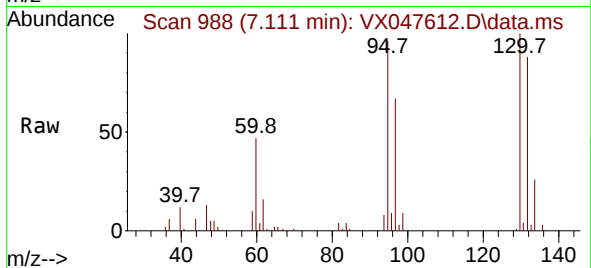




#44
Trichloroethene
Concen: 7.271 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

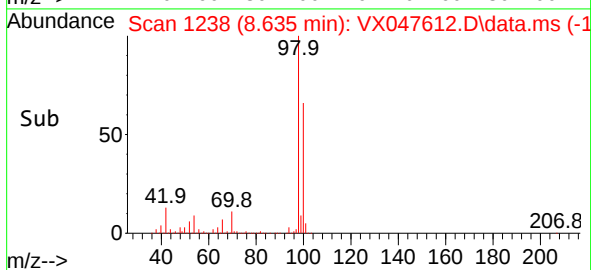
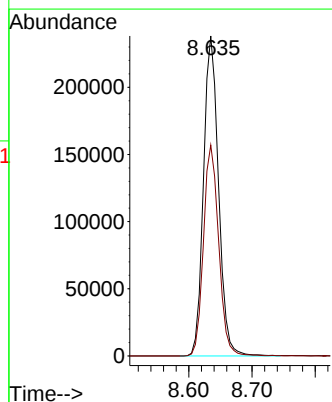
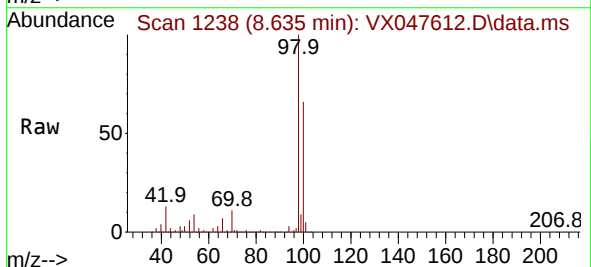
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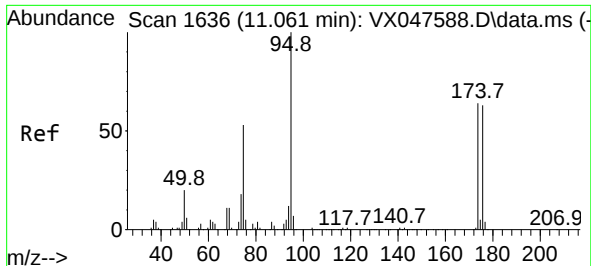
Tgt Ion:130 Resp: 17063
Ion Ratio Lower Upper
130 100
95 95.5 0.0 210.8



#50
Toluene-d8
Concen: 52.135 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 98 Resp: 394528
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

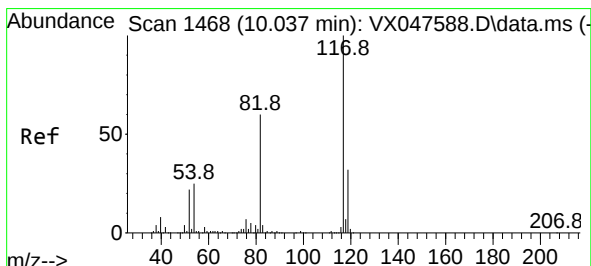
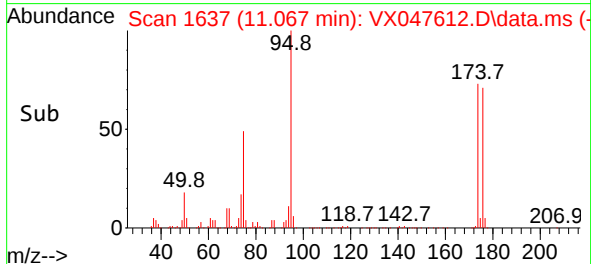
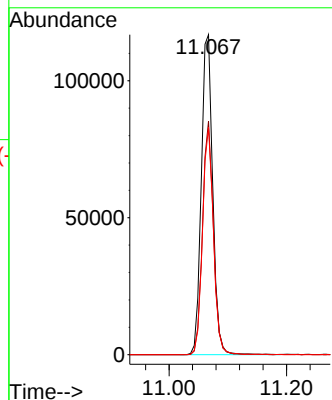
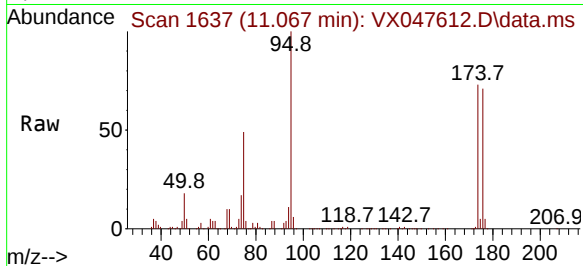




#62
4-Bromofluorobenzene
Concen: 54.590 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

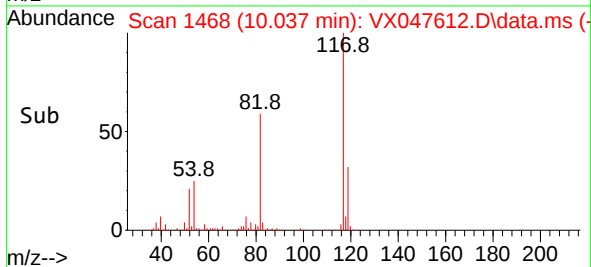
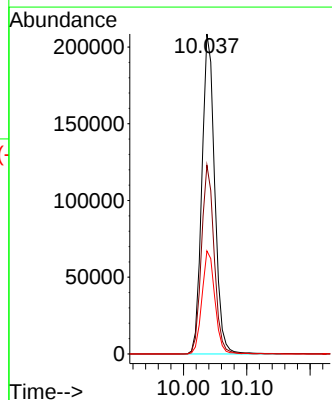
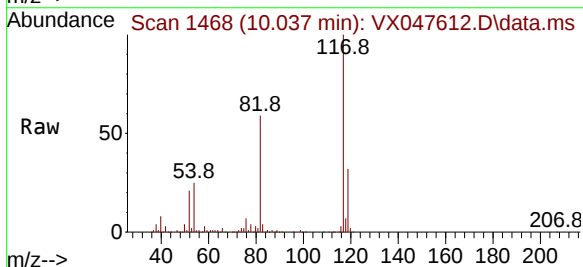
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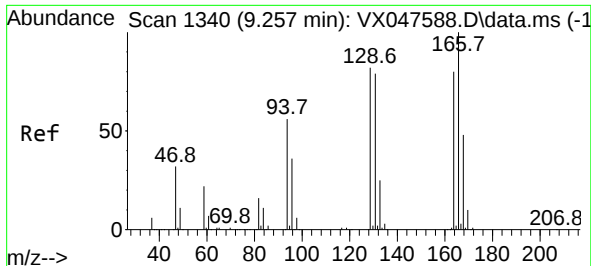
Tgt Ion: 95 Resp: 156782
Ion Ratio Lower Upper
95 100
174 69.8 0.0 141.6
176 68.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

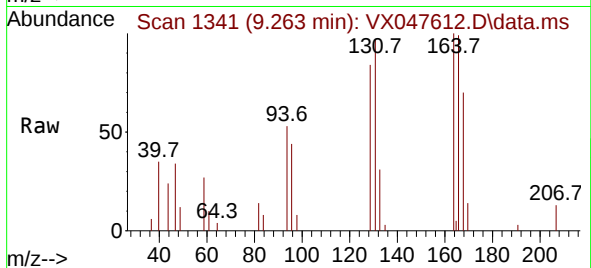
Tgt Ion: 117 Resp: 294706
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.6
119 32.2 25.2 37.8



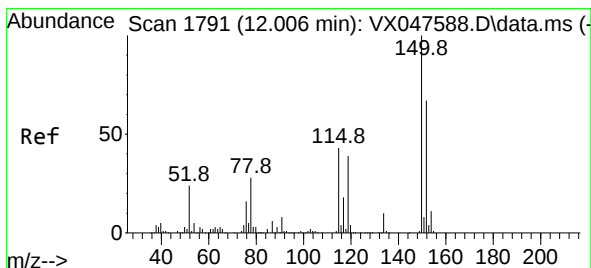
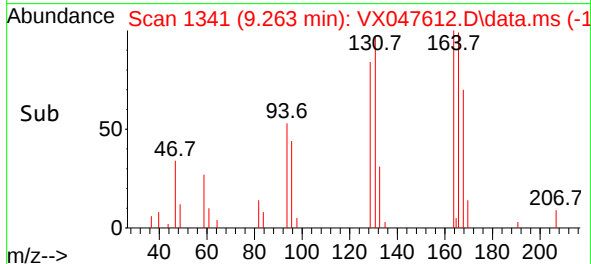
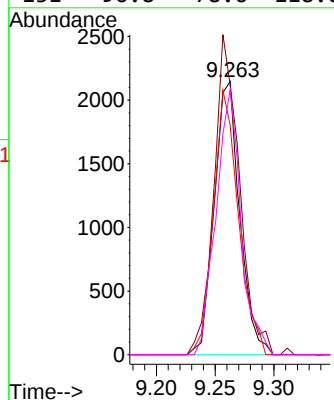


#64
 Tetrachloroethene
 Concen: 1.684 ug/l
 RT: 9.263 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX047612.D
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Tgt Ion:164	Resp:	3235	
Ion	Ratio	Lower	Upper
164	100		
166	98.7	100.2	150.2#
129	84.1	81.8	122.6
131	96.8	78.6	118.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047612.D
 Acq: 17 Sep 2025 13:03

Tgt	Ion:152	Resp:	144921
Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	156.5	0.0	352.0

