

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047911.D
 Acq On : 30 Sep 2025 15:19
 Operator : JC/MD
 Sample : Q3193-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GM38-RW3-MW1-20250922

Quant Time: Oct 01 01:12:11 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	5.538	168	124889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	257980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132033	50.000	ug/l	0.00

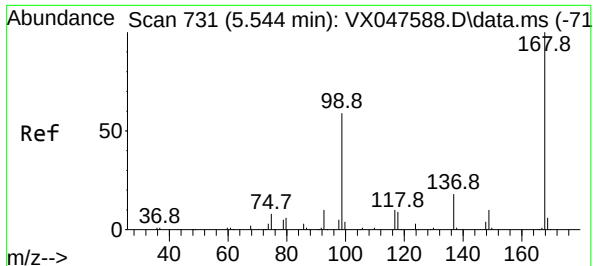
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100743	50.678	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.360%	
35) Dibromofluoromethane	5.379	113	84599	48.897	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.800%	
50) Toluene-d8	8.635	98	291075	48.620	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.240%	
62) 4-Bromofluorobenzene	11.061	95	120479	53.026	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.060%	

Target Compounds				Qvalue		
11) Tert butyl alcohol	2.947	59	498	2.249	ug/l #	72
16) Acetone	2.374	43	2142	2.478	ug/l #	45
20) Methylene Chloride	2.794	84	468	0.256	ug/l #	74
29) Tetrahydrofuran	5.013	42	437	0.674	ug/l #	85
30) Chloroform	5.074	83	1408	0.442	ug/l #	64
31) Cyclohexane	5.538	56	2860	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11084	4.384	ug/l #	53
38) Carbon Tetrachloride	5.538	117	13306	4.844	ug/l #	17
44) Trichloroethene	7.117	130	38283	20.622	ug/l	92
49) 1,4-Dioxane	7.690	88	27	1.208	ug/l #	21
51) 4-Methyl-2-Pentanone	8.635	43	1358	0.552	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.165	63	47	7.927	ug/l #	47
60) Dibromochloromethane	9.263	129	2529	1.203	ug/l #	11
64) Tetrachloroethene	9.263	164	2610	1.532	ug/l	86
76) 1,2,3-Trichloropropane	11.061	75	62680	23.447	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	62680	59.793	ug/l #	8
94) Hexachlorobutadiene	13.707	225	196	0.203	ug/l #	49

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

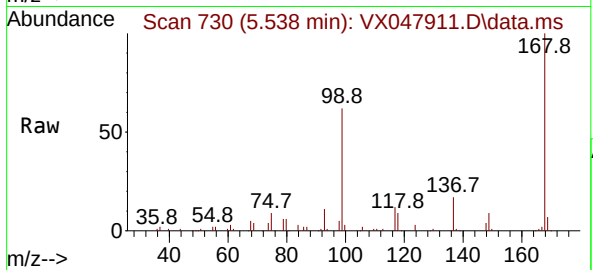
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



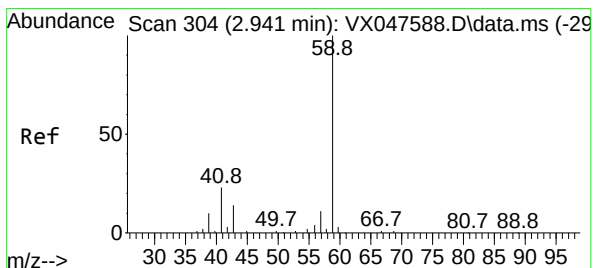
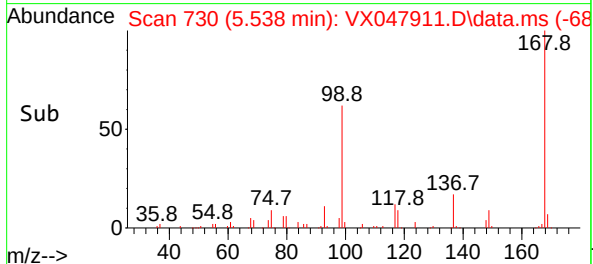
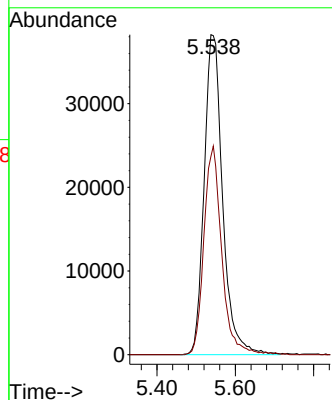


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

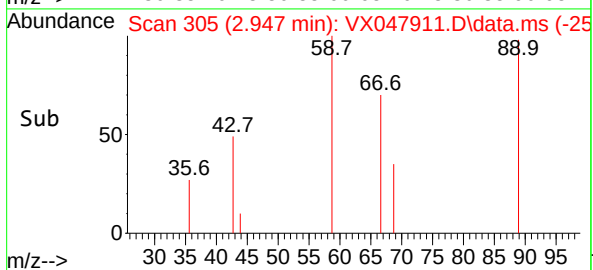
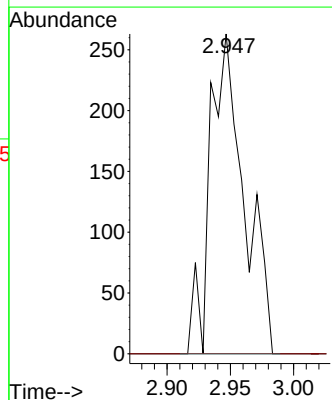
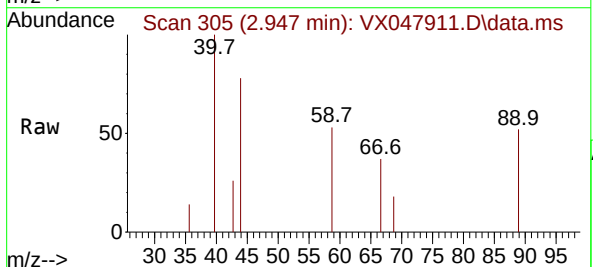


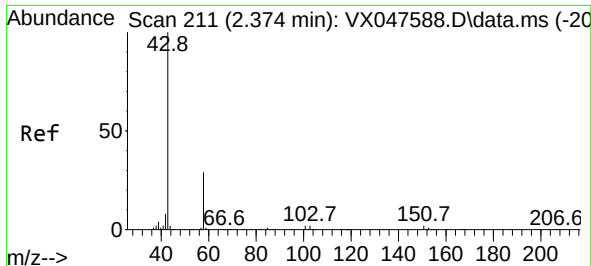
Tgt Ion:168 Resp: 124889
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 2.249 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

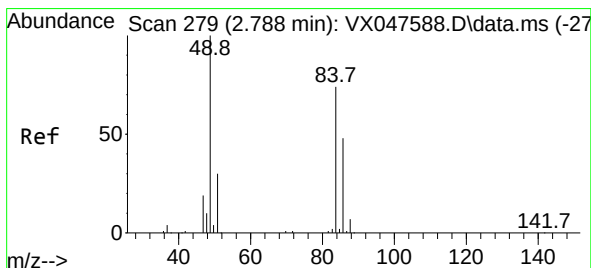
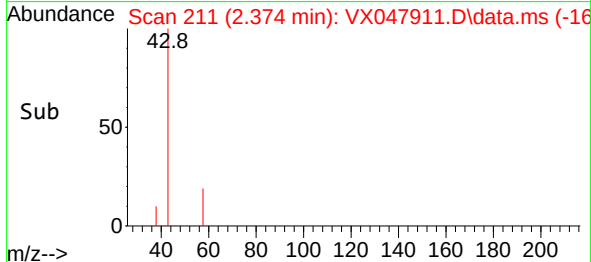
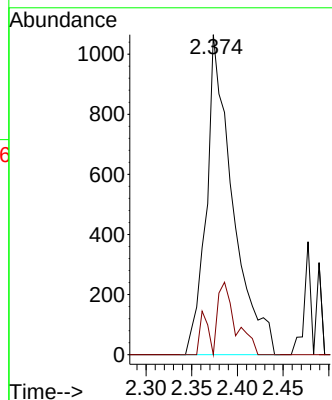
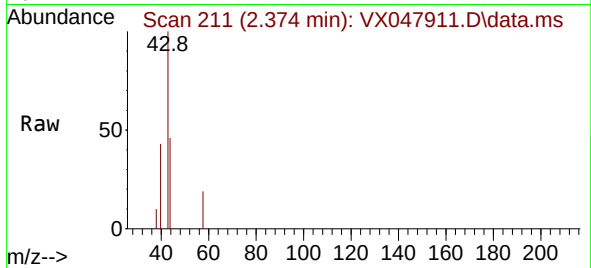




#16
Acetone
Concen: 2.478 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

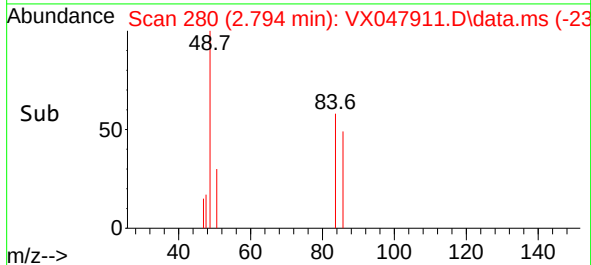
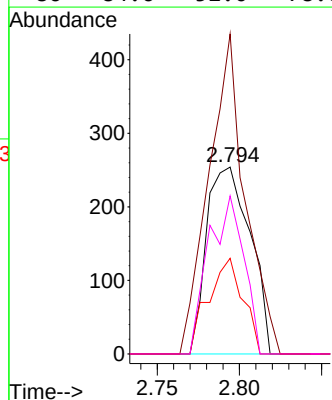
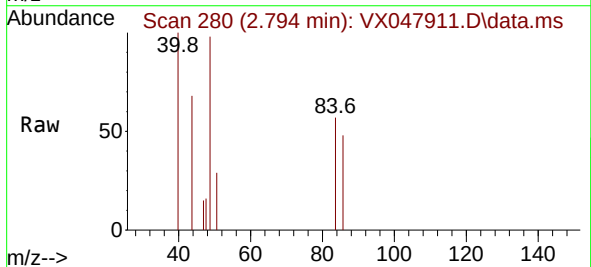
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

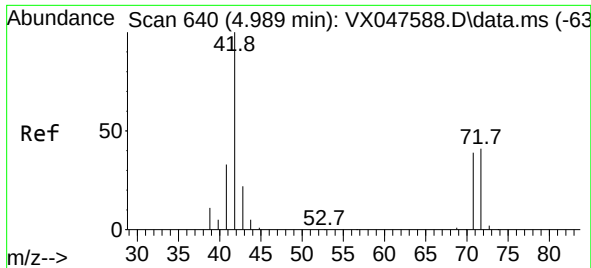
Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 84 Resp: 468
Ion Ratio Lower Upper
84 100
49 171.3 108.6 162.8#
51 51.2 32.6 48.8#
86 84.6 52.0 78.0#





#29

Tetrahydrofuran

Concen: 0.674 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX047911.D

Acq: 30 Sep 2025 15:19

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250922

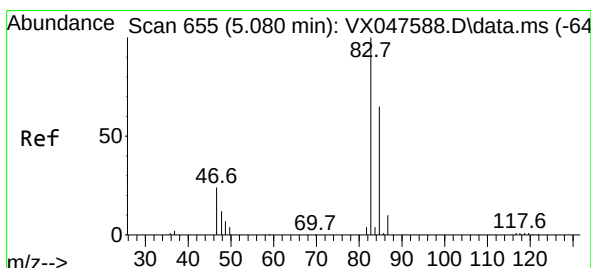
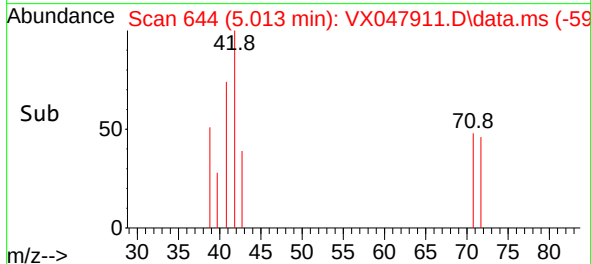
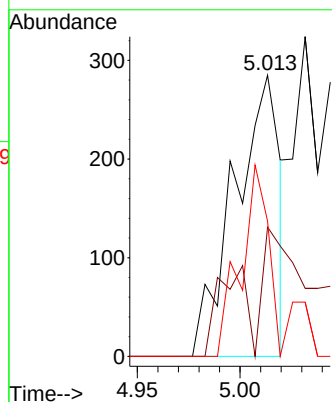
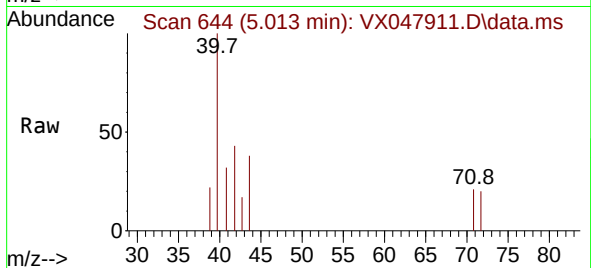
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 51.5 34.2 51.2#

71 50.6 31.9 47.9#



#30

Chloroform

Concen: 0.442 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047911.D

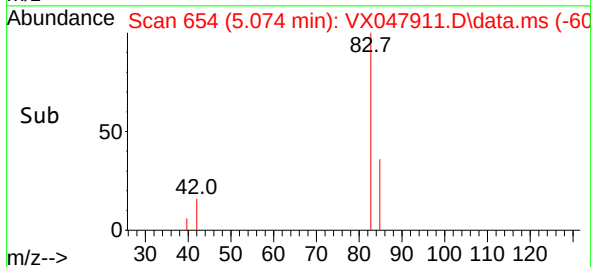
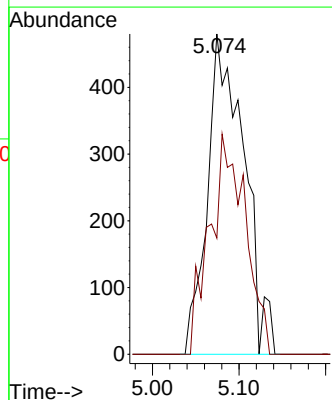
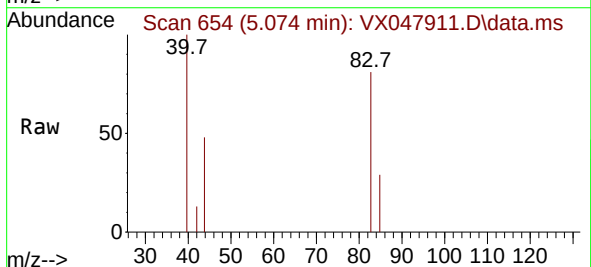
Acq: 30 Sep 2025 15:19

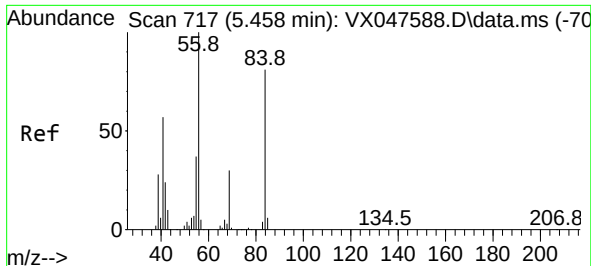
Tgt Ion: 83 Resp: 1408

Ion Ratio Lower Upper

83 100

85 36.3 51.8 77.6#

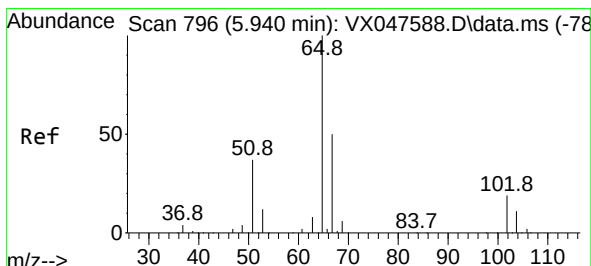
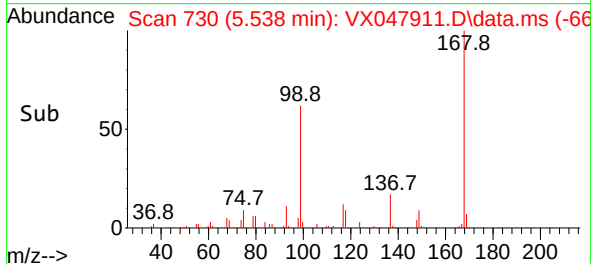
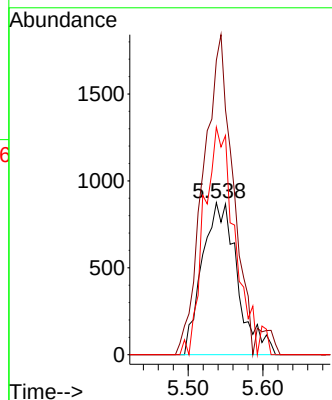
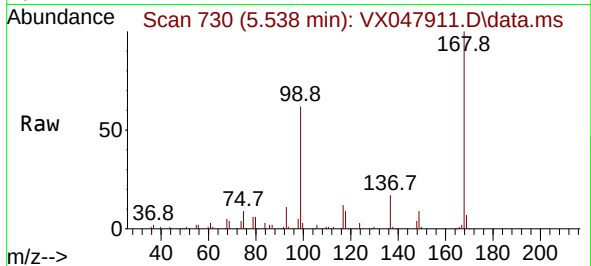




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

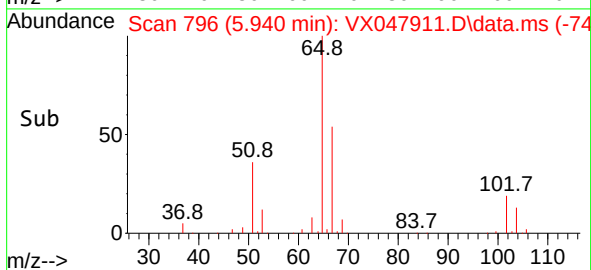
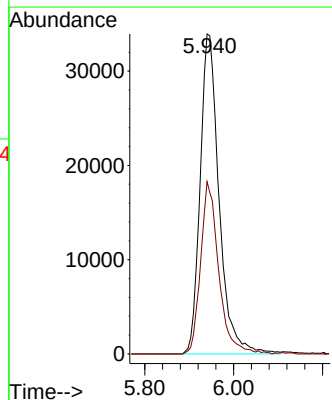
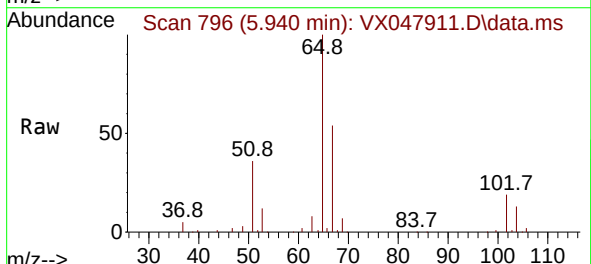
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

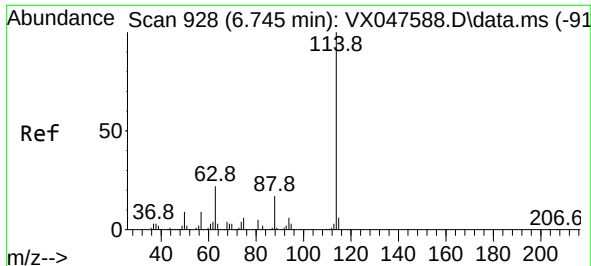
Tgt Ion: 56 Resp: 2860
Ion Ratio Lower Upper
56 100
69 193.6 23.8 35.8#
84 149.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.678 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 65 Resp: 100743
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

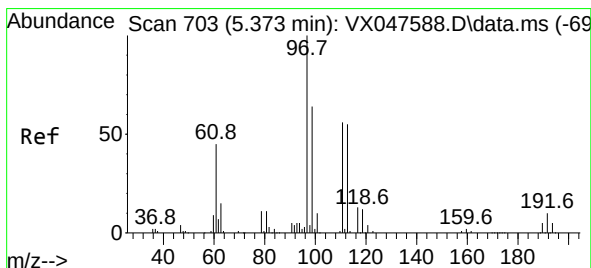
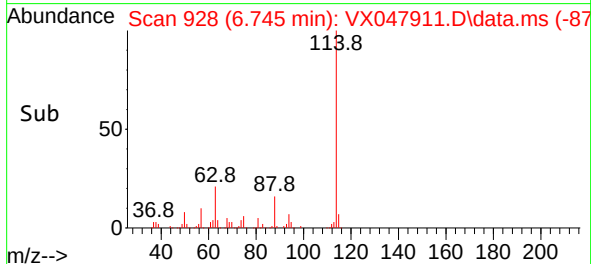
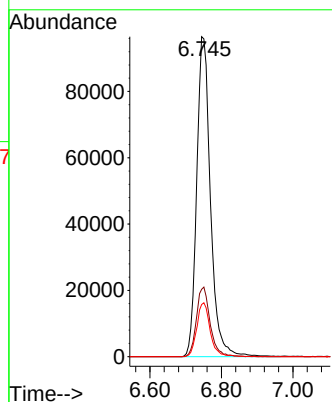
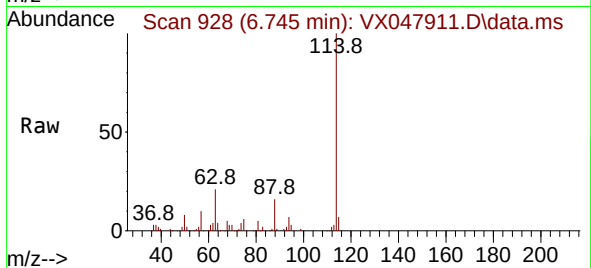




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

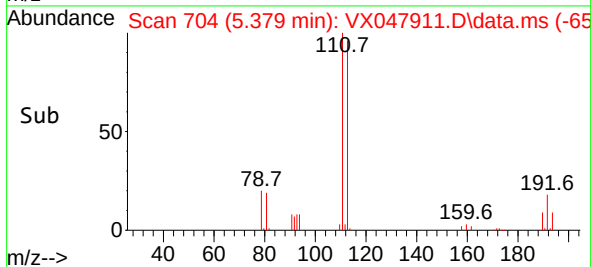
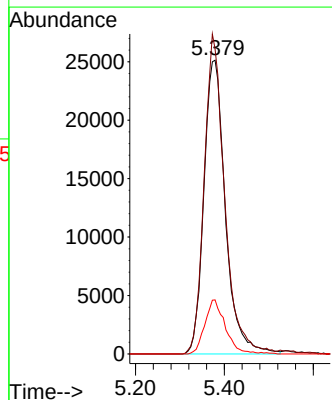
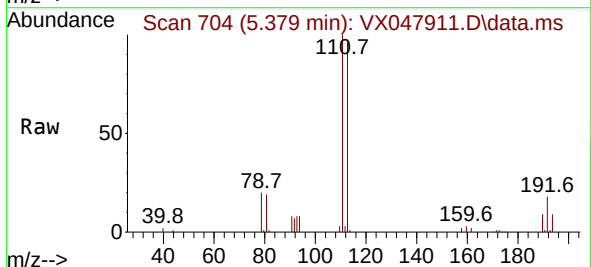
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

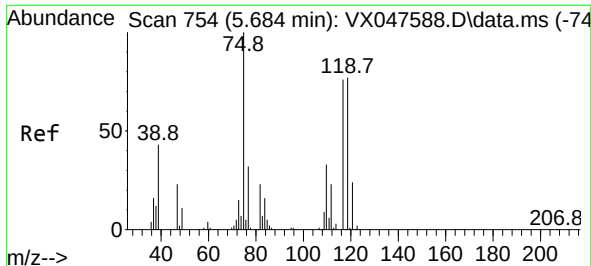
Tgt Ion:114 Resp: 257980
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.0
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.897 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion:113 Resp: 84599
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.5 14.2 21.4

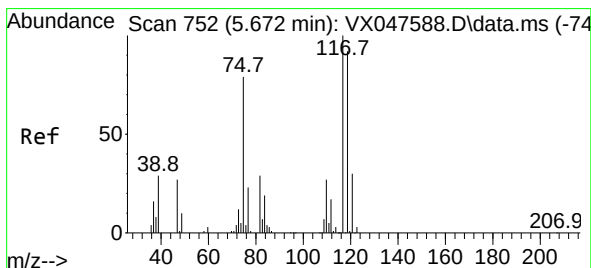
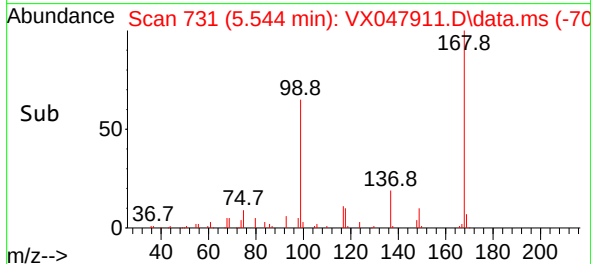
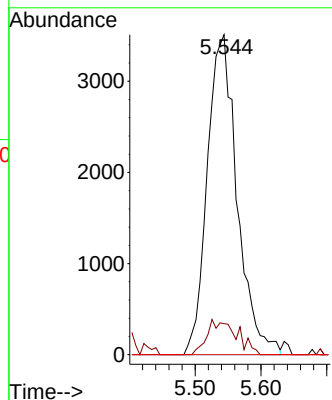
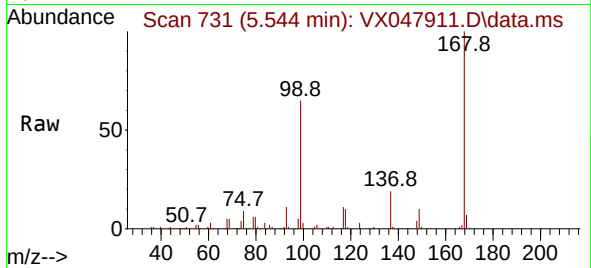




#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

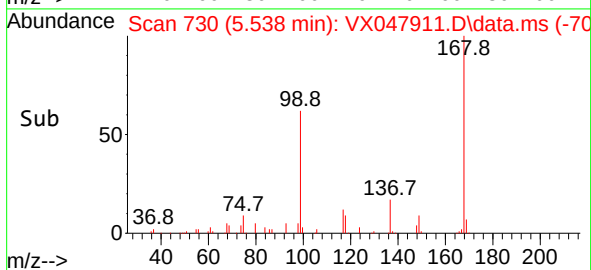
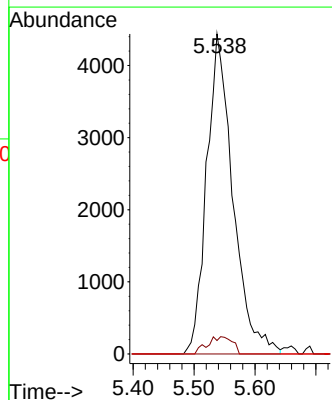
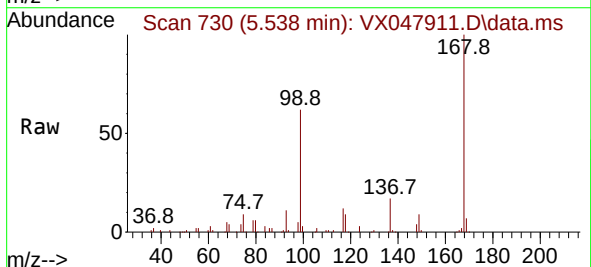
Instrument :
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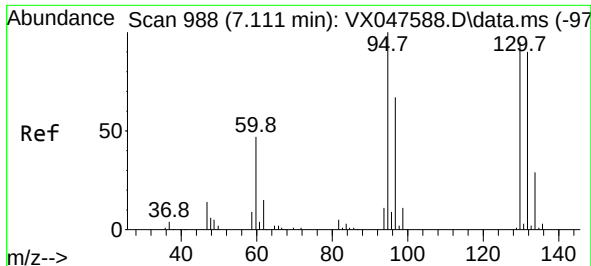
Tgt Ion: 75 Resp: 11084
Ion Ratio Lower Upper
75 100
110 10.9 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.844 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 117 Resp: 13306
Ion Ratio Lower Upper
117 100
119 4.2 73.4 110.2#
121 0.0 23.8 35.6#

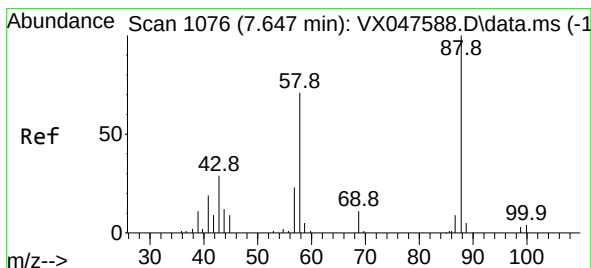
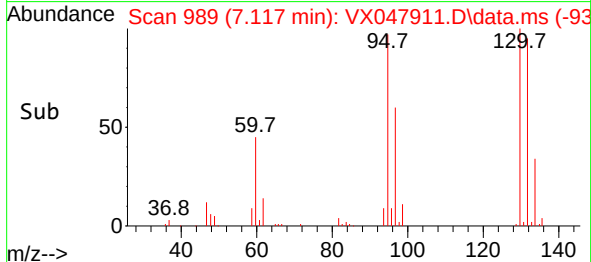
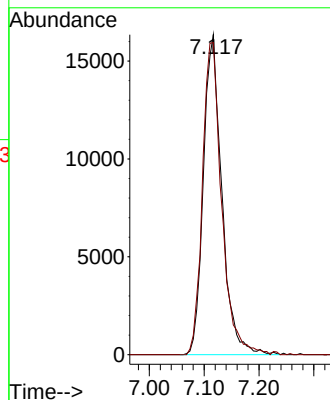
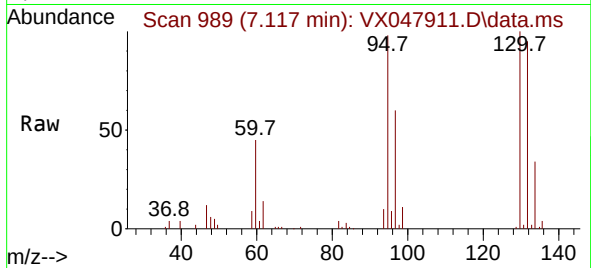




#44
Trichloroethene
Concen: 20.622 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

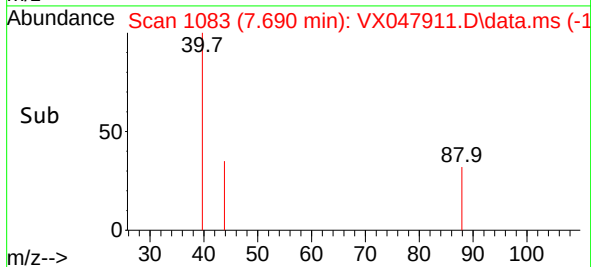
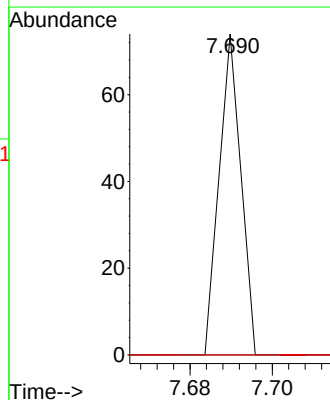
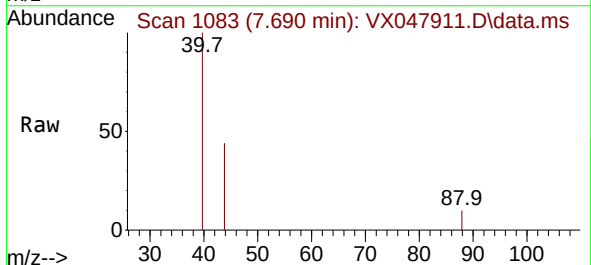
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

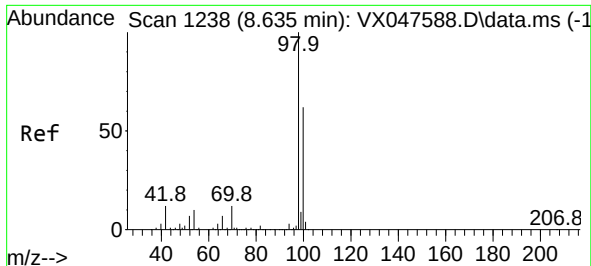
Tgt Ion:130 Resp: 38283
Ion Ratio Lower Upper
130 100
95 97.5 0.0 210.8



#49
1,4-Dioxane
Concen: 1.208 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.043 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 0.0 59.5 89.3#

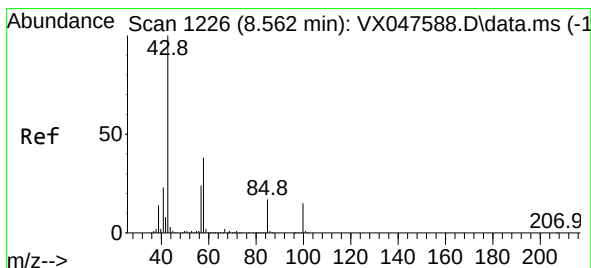
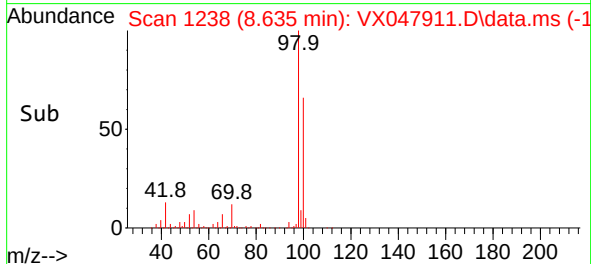
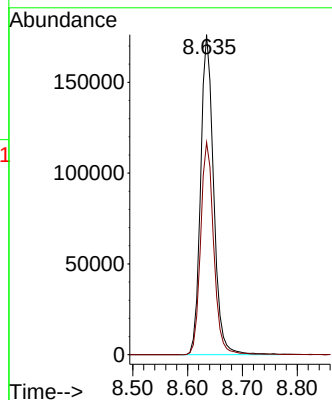
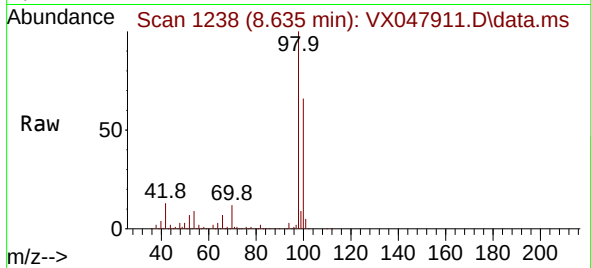




#50
Toluene-d8
Concen: 48.620 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

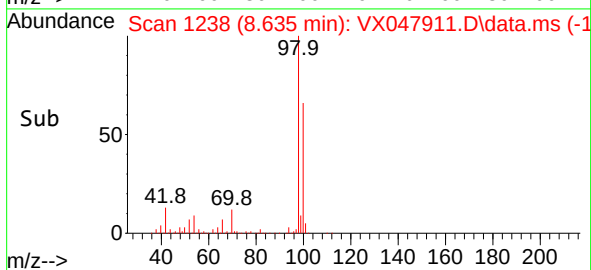
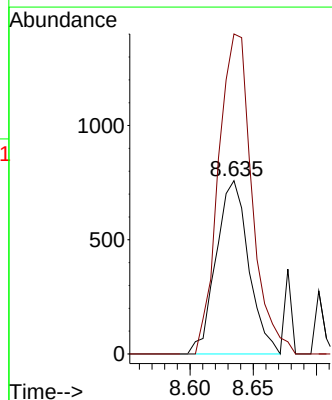
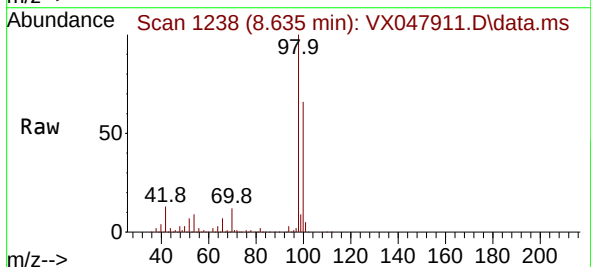
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

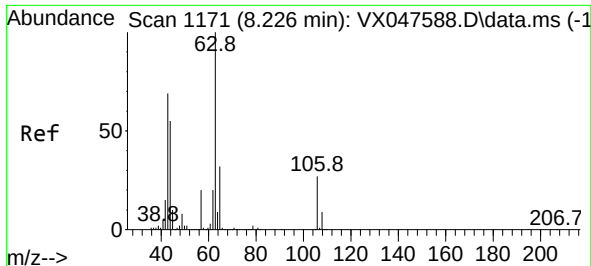
Tgt Ion: 98 Resp: 291075
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 190.3 30.3 45.5#

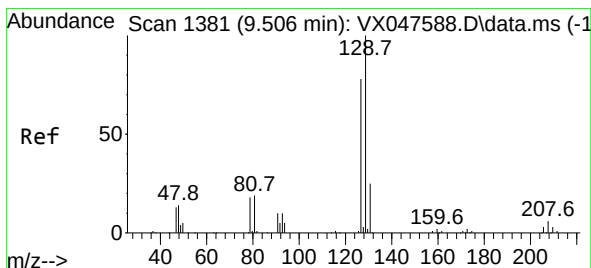
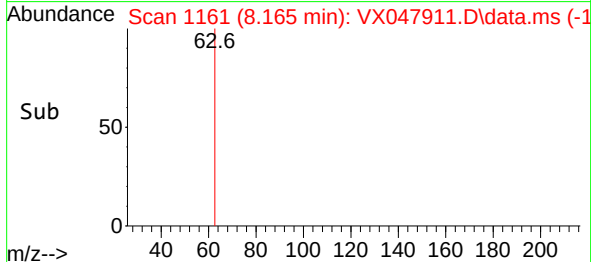
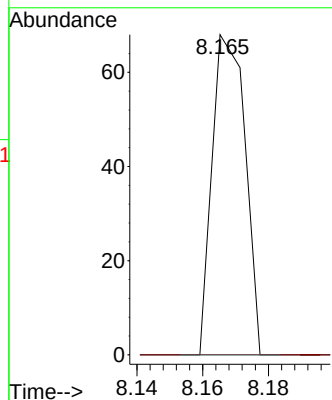
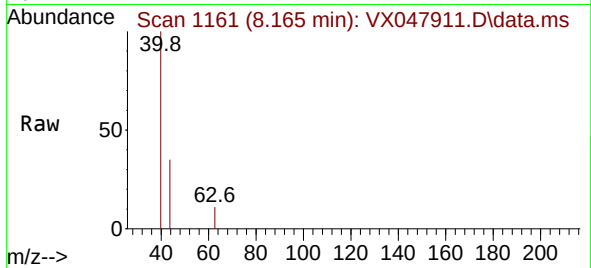




#58
2-Chloroethyl Vinyl ether
Concen: 7.927 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

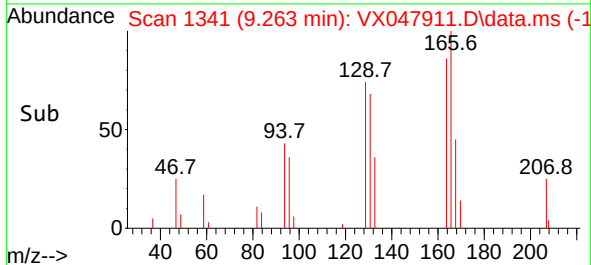
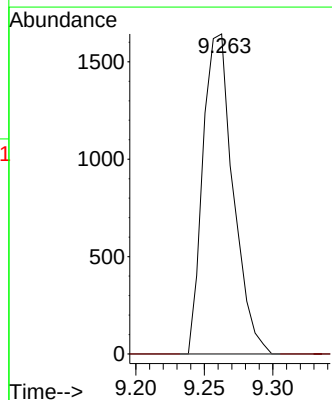
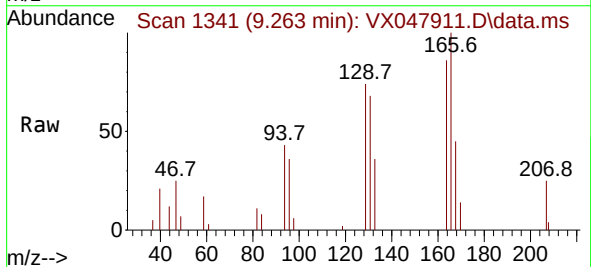
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

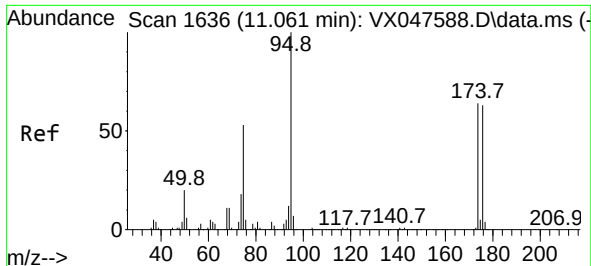
Tgt Ion: 63 Resp: 47
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#60
Dibromochloromethane
Concen: 1.203 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion:129 Resp: 2529
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

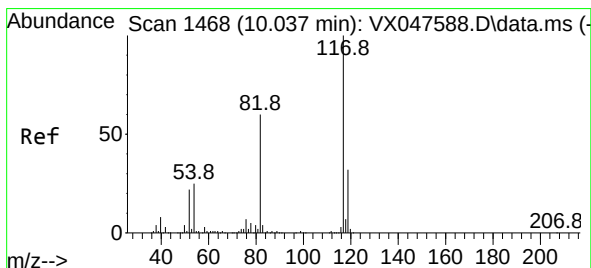
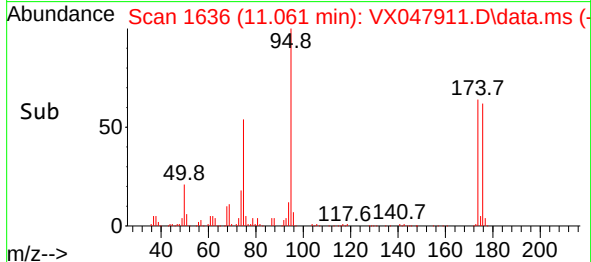
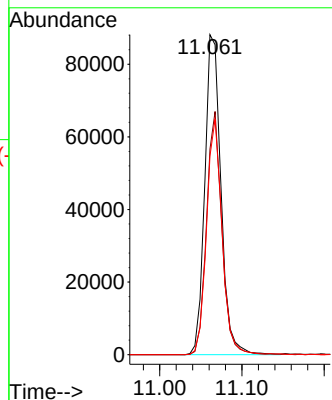
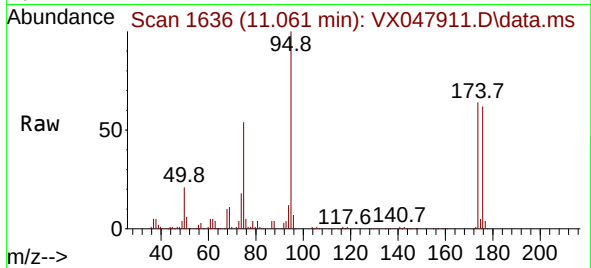




#62
4-Bromofluorobenzene
Concen: 53.026 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

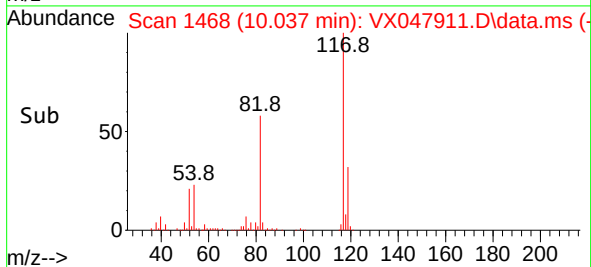
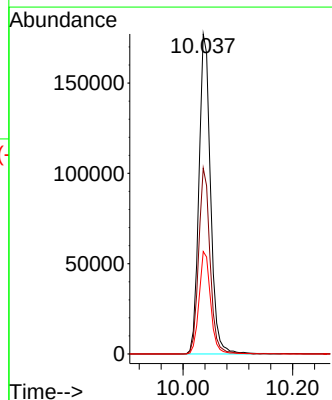
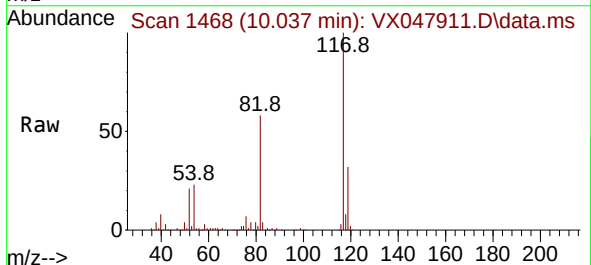
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

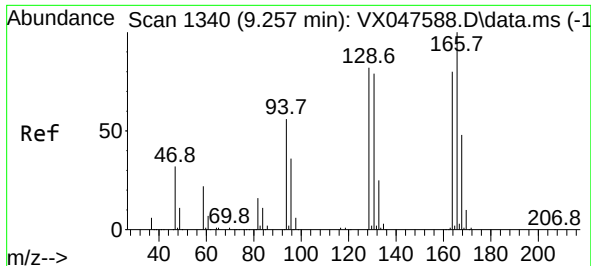
Tgt Ion: 95 Resp: 120479
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 70.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 117 Resp: 261260
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.6
119 32.0 25.2 37.8

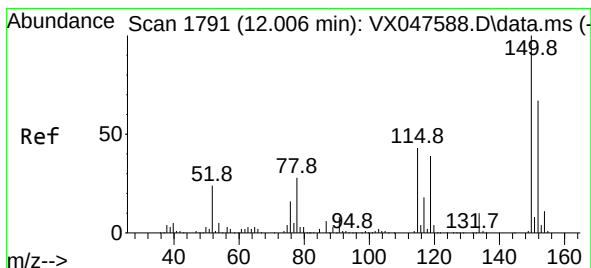
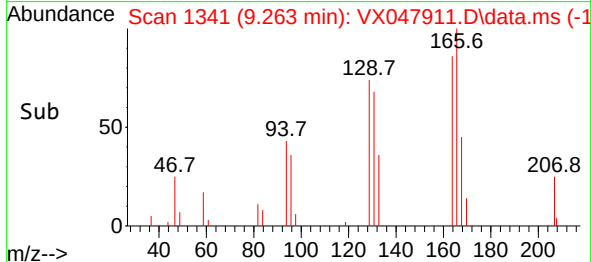
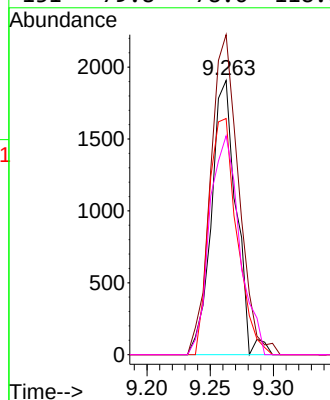
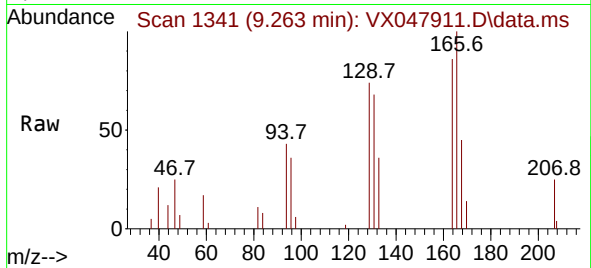




#64
Tetrachloroethene
Concen: 1.532 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

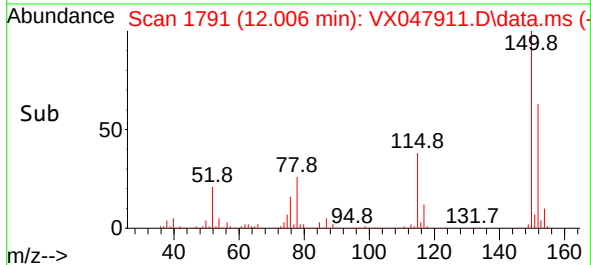
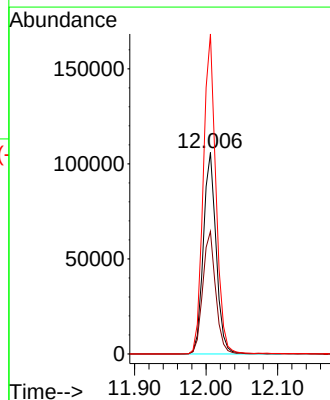
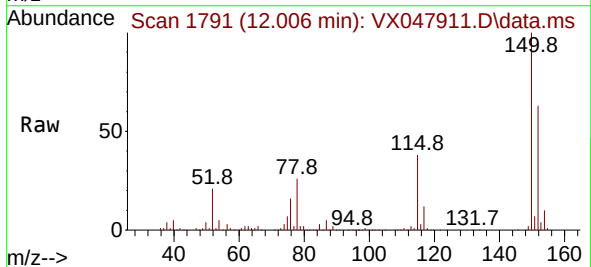
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

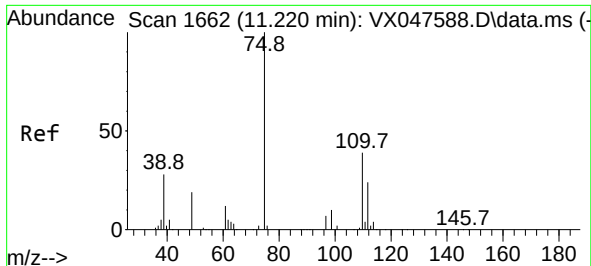
Tgt Ion:164	Resp:	2610	
Ion	Ratio	Lower	Upper
164	100		
166	116.7	100.2	150.2
129	86.1	81.8	122.6
131	79.8	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion:152	Resp:	132033	
Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.9	134.5
150	156.7	0.0	352.0

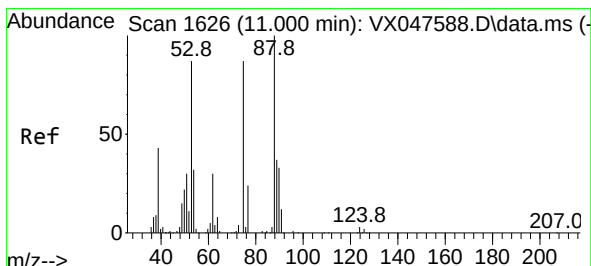
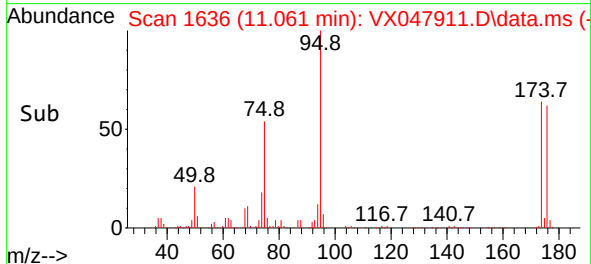
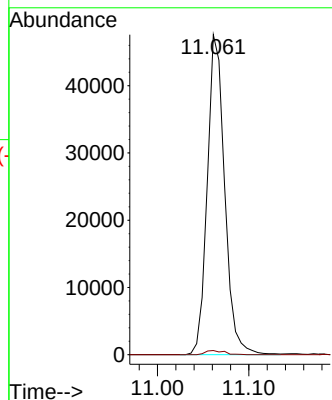
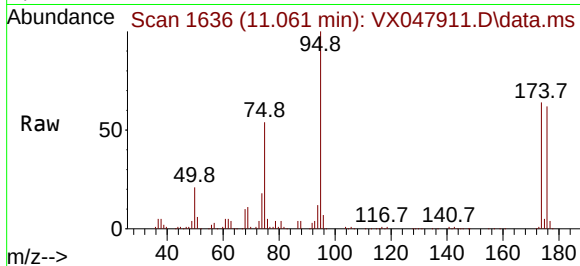




#76
1,2,3-Trichloropropane
Concen: 23.447 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

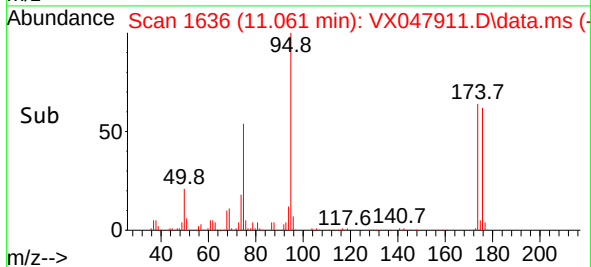
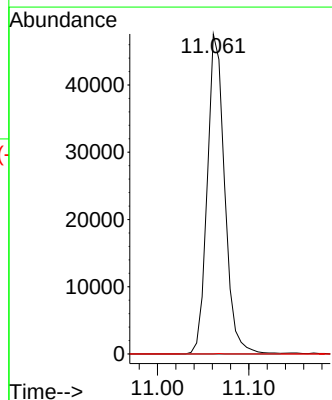
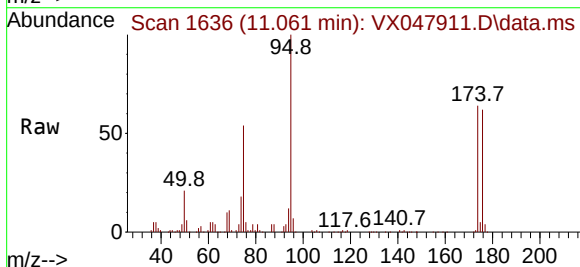
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

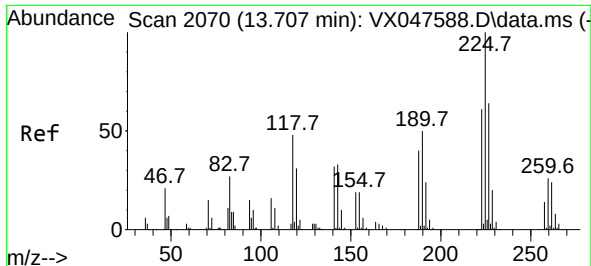
Tgt Ion: 75 Resp: 62680
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.793 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047911.D
Acq: 30 Sep 2025 15:19

Tgt Ion: 75 Resp: 62680
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94

Hexachlorobutadiene

Concen: 0.203 ug/l

RT: 13.707 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX047911.D

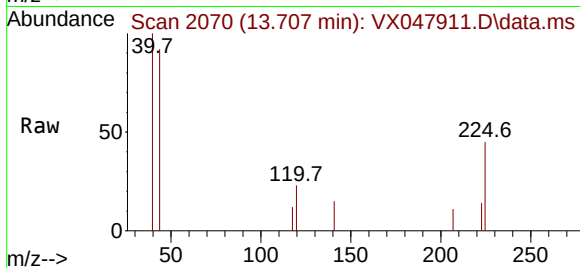
Acq: 30 Sep 2025 15:19

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250922



Tgt Ion:	225	Resp:	196
Ion	Ratio	Lower	Upper
225	100		
223	37.8	31.7	95.1
227	10.2	32.0	96.0

