

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047638.D
 Acq On : 18 Sep 2025 14:19
 Operator : JC/MD
 Sample : Q3095-13DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20250909DL

Quant Time: Sep 22 03:36:05 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)

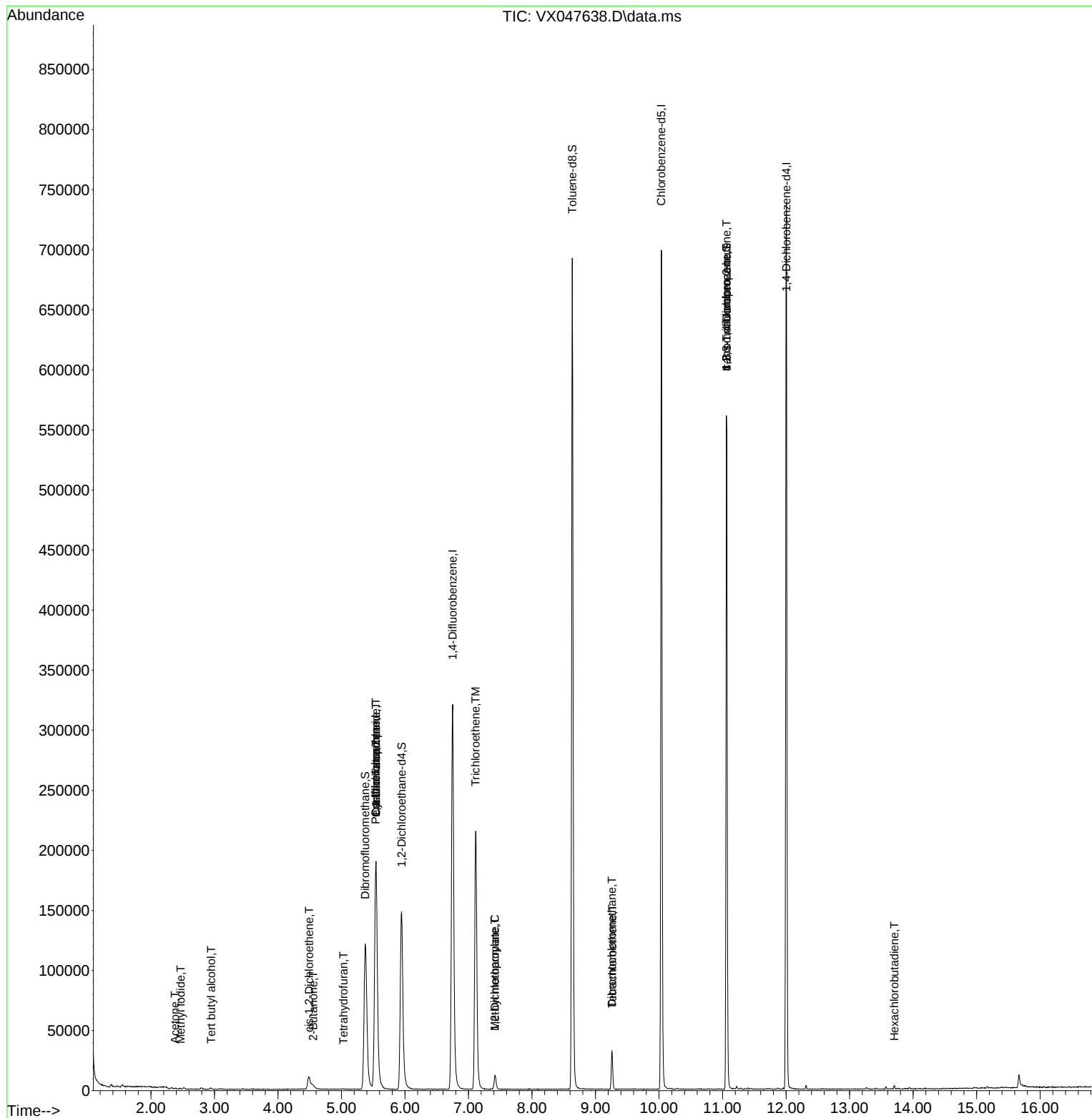
Internal Standards						
1) Pentafluorobenzene	5.537	168	192027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	349705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	160540	52.523	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.040%		
35) Dibromofluoromethane	5.373	113	118528	50.538	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.080%		
50) Toluene-d8	8.634	98	417494	51.446	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.900%		
62) 4-Bromofluorobenzene	11.061	95	161415	52.409	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.820%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	704	0.203	ug/l #	83
11) Tert butyl alcohol	2.946	59	194	0.570	ug/l #	72
16) Acetone	2.379	43	832	0.626	ug/l #	45
25) 2-Butanone	4.556	43	461	0.278	ug/l #	50
27) cis-1,2-Dichloroethene	4.489	96	7246	2.409	ug/l	94
29) Tetrahydrofuran	5.031	42	370	0.371	ug/l #	51
31) Cyclohexane	5.544	56	4549	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	16293	4.754	ug/l #	51
38) Carbon Tetrachloride	5.544	117	19682	5.286	ug/l #	17
44) Trichloroethene	7.110	130	92416	36.724	ug/l	100
45) 1,2-Dichloropropane	7.415	63	5075	1.904	ug/l	93
48) Methyl methacrylate	7.415	41	2703	0.902	ug/l #	40
60) Dibromochloromethane	9.256	129	6310	2.215	ug/l #	11
64) Tetrachloroethene	9.262	164	6200	3.029	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	84105	27.495	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	84105	70.116	ug/l #	8
94) Hexachlorobutadiene	13.707	225	424	0.384	ug/l	92

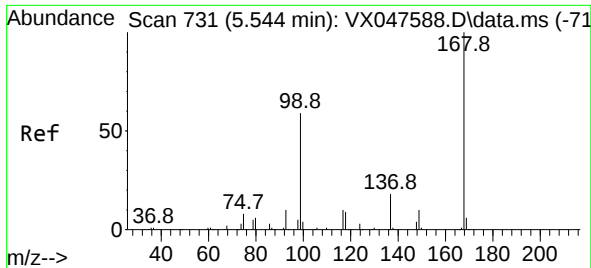
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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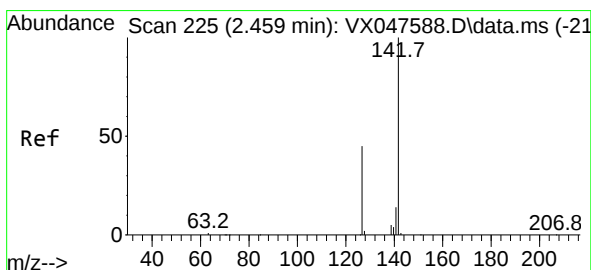
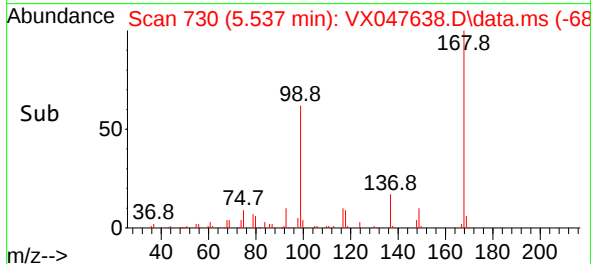
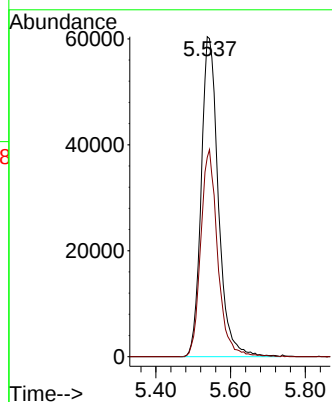
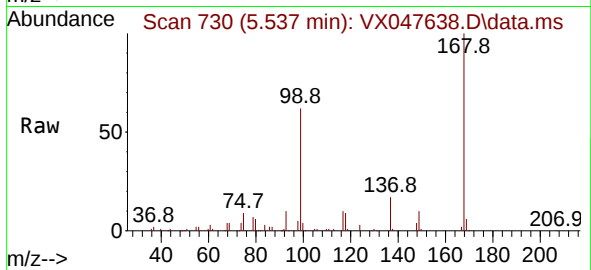




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

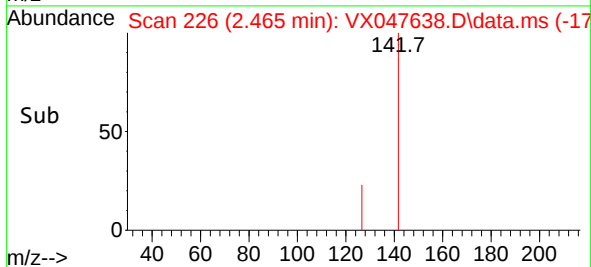
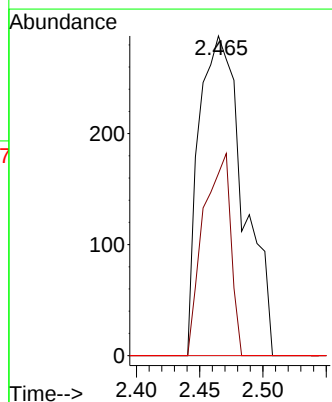
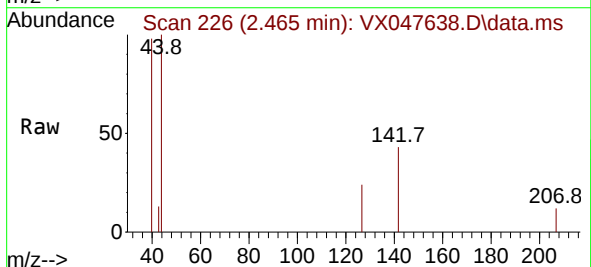
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

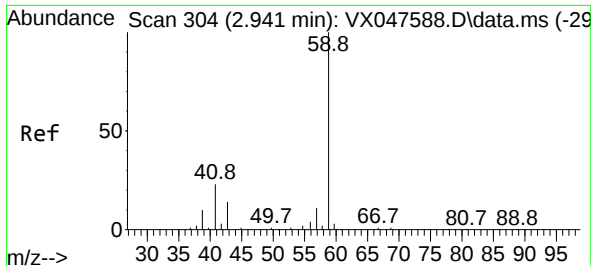
Tgt Ion:168 Resp: 192027
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#10
Methyl Iodide
Concen: 0.203 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:142 Resp: 704
Ion Ratio Lower Upper
142 100
127 38.9 37.2 55.8
141 0.0 11.4 17.0#

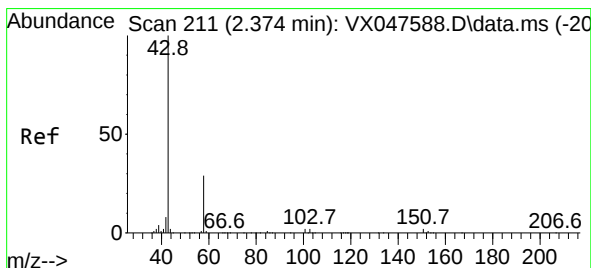
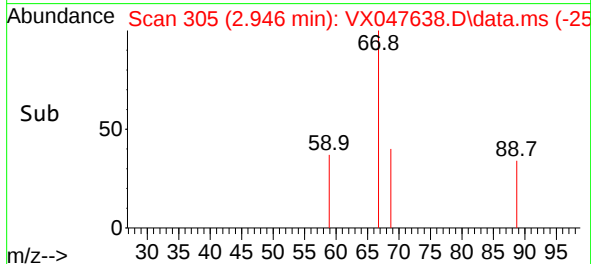
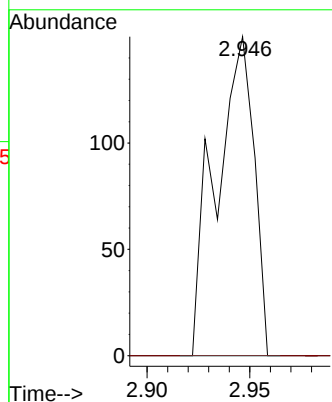
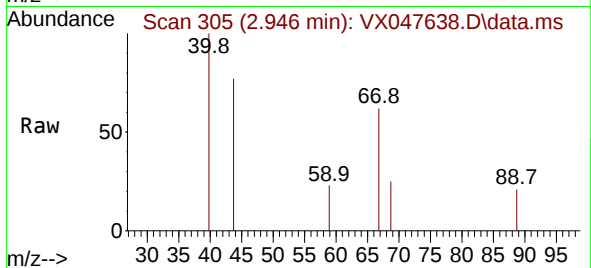




#11
Tert butyl alcohol
Concen: 0.570 ug/l
RT: 2.946 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

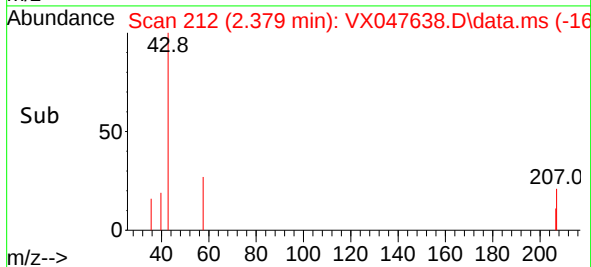
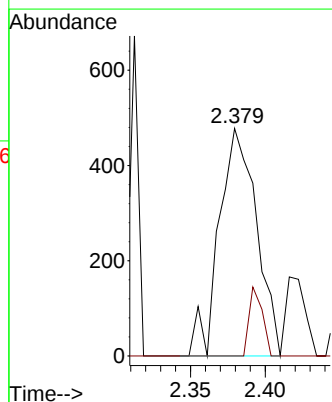
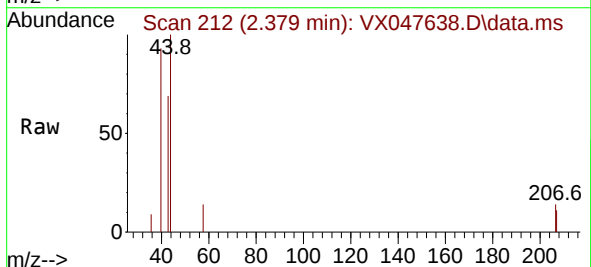
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

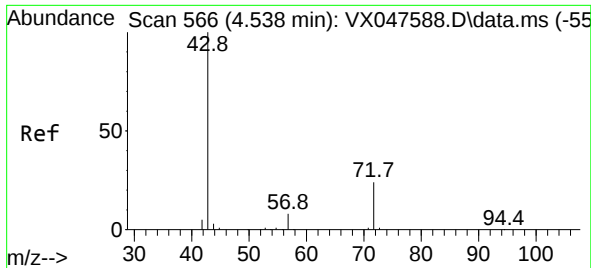
Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.626 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#

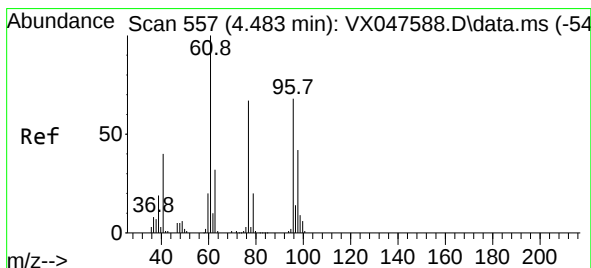
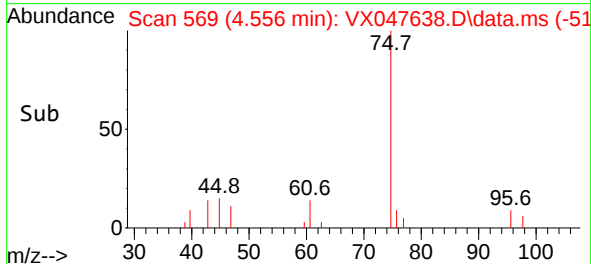
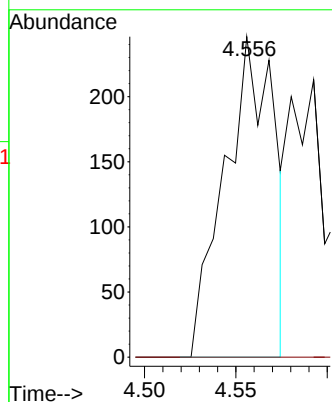
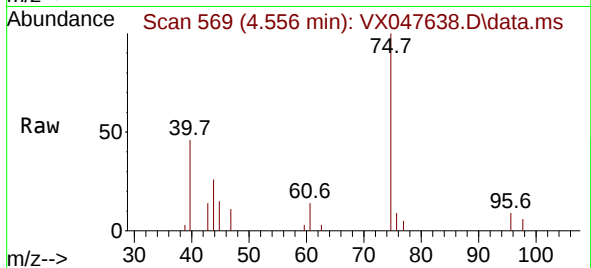




#25
2-Butanone
Concen: 0.278 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.018 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

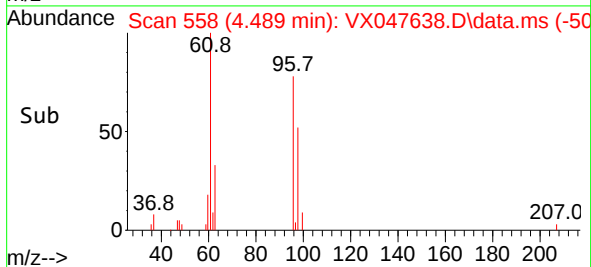
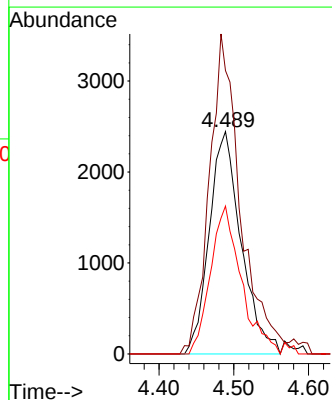
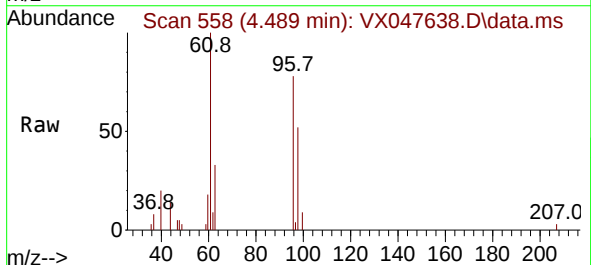
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

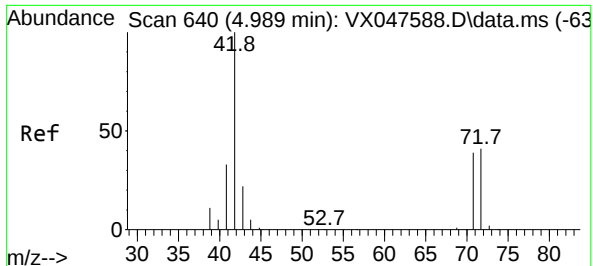
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#27
cis-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 96 Resp: 7246
Ion Ratio Lower Upper
96 100
61 141.2 0.0 303.2
98 64.4 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.371 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.042 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

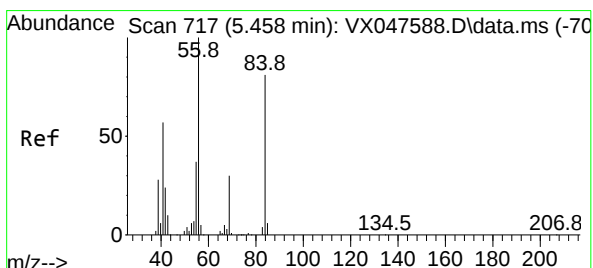
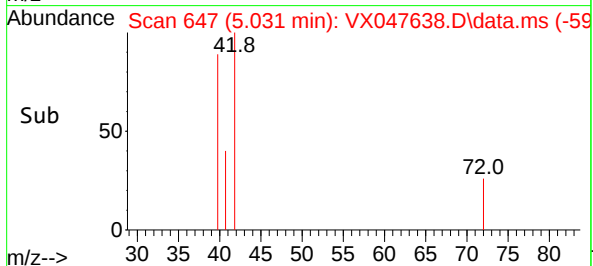
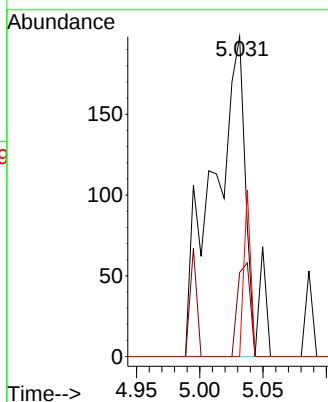
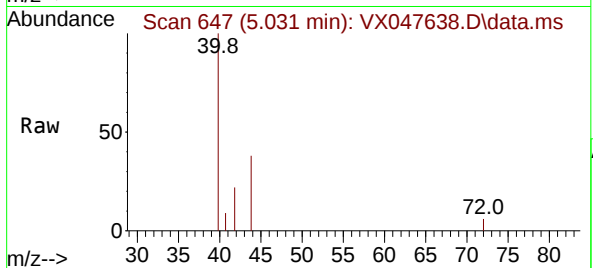
Instrument :

MSVOA_X

ClientSampleId :

MW17811-20250909DL

Tgt Ion:	42	Resp:	370
Ion	Ratio	Lower	Upper
42	100		
72	10.8	34.2	51.2#
71	10.3	31.9	47.9#



#31

Cyclohexane

Concen: 1.126 ug/l

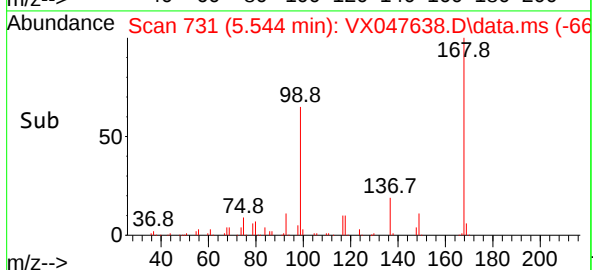
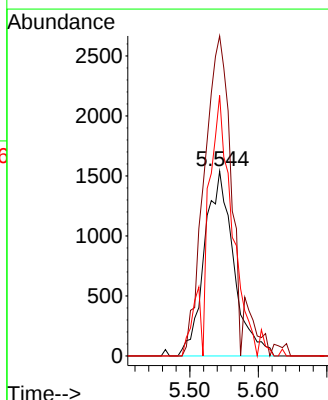
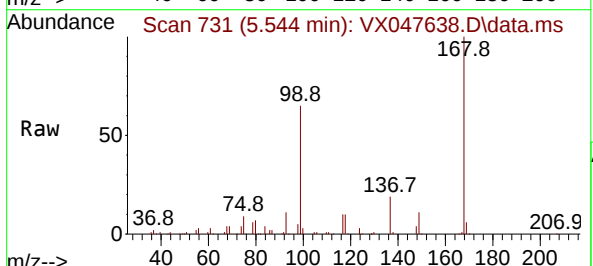
RT: 5.544 min Scan# 731

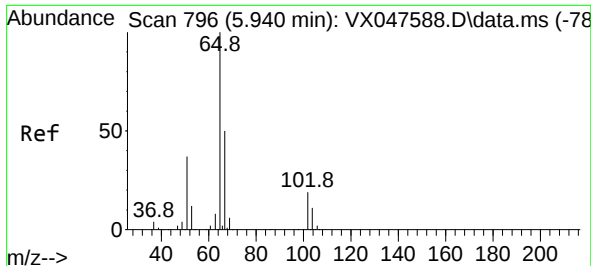
Delta R.T. 0.085 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

Tgt Ion:	56	Resp:	4549
Ion	Ratio	Lower	Upper
56	100		
69	173.2	23.8	35.8#
84	141.0	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.523 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

Instrument :

MSVOA_X

ClientSampleId :

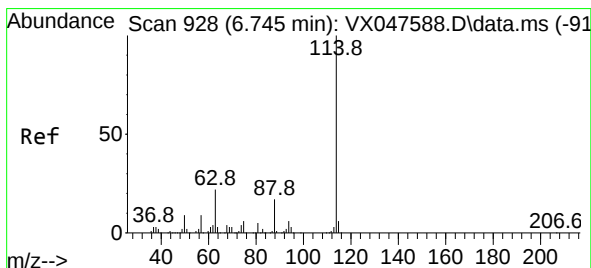
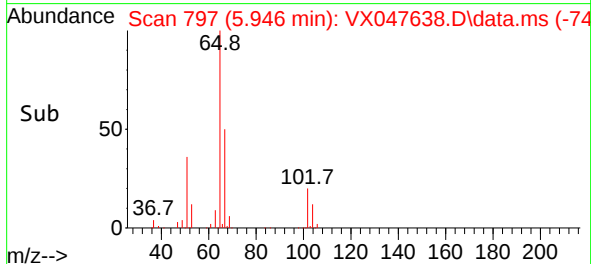
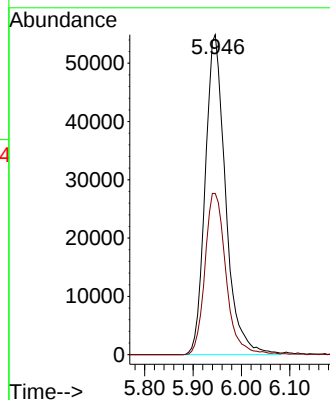
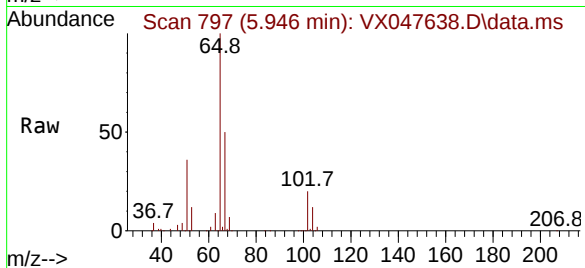
MW17811-20250909DL

Tgt Ion: 65 Resp: 160540

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

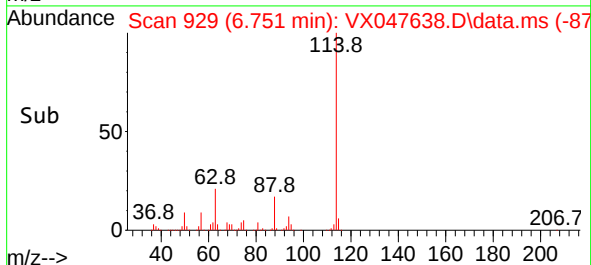
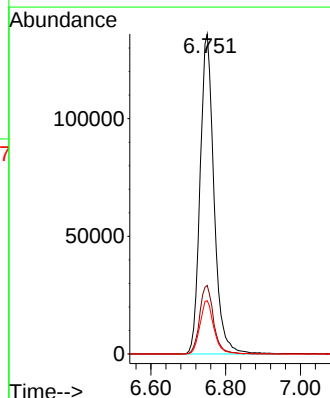
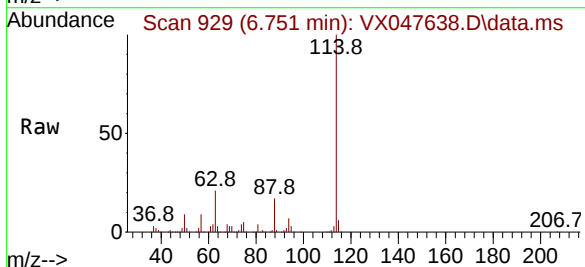
Tgt Ion: 114 Resp: 349705

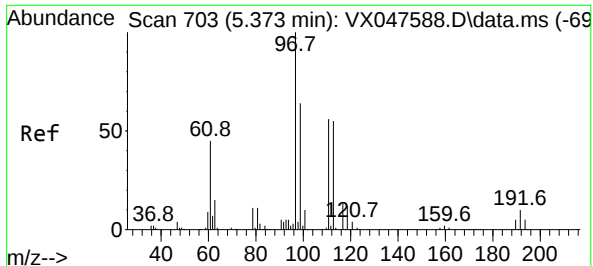
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.538 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

Instrument :

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ClientSampleId :

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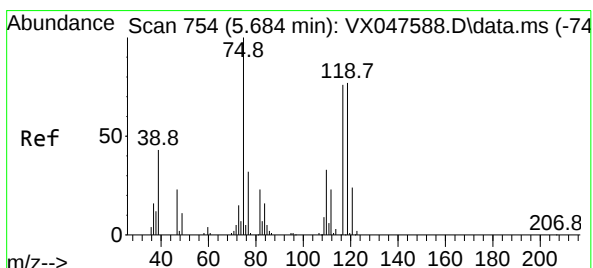
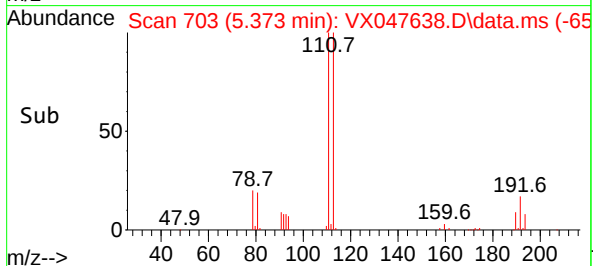
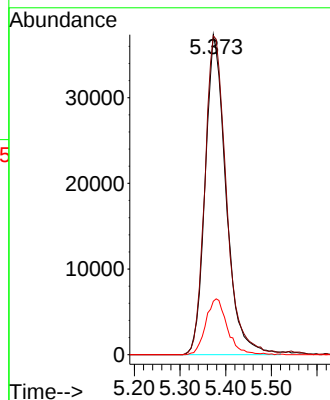
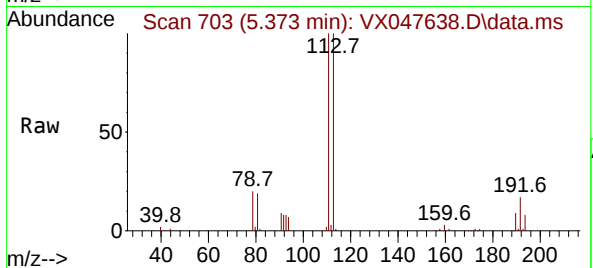
Tgt Ion:113 Resp: 118528

Ion Ratio Lower Upper

113 100

111 103.1 80.9 121.3

192 18.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

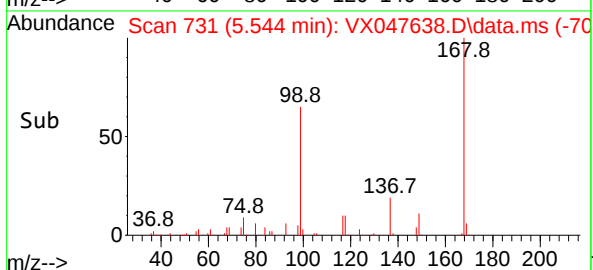
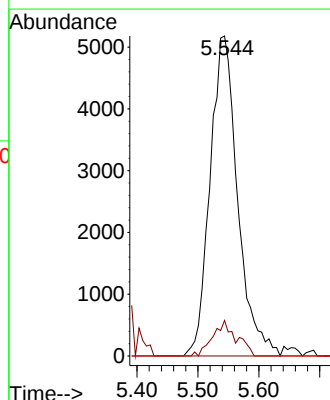
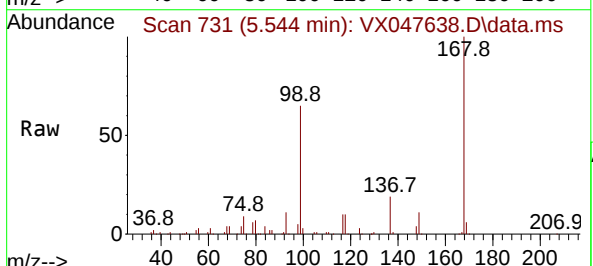
Tgt Ion: 75 Resp: 16293

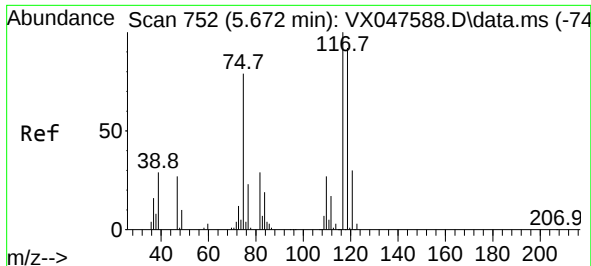
Ion Ratio Lower Upper

75 100

110 9.5 16.7 50.1#

77 0.0 24.3 36.5#

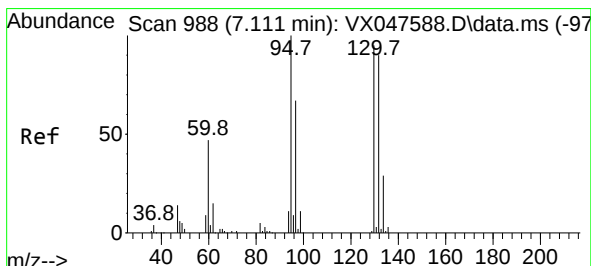
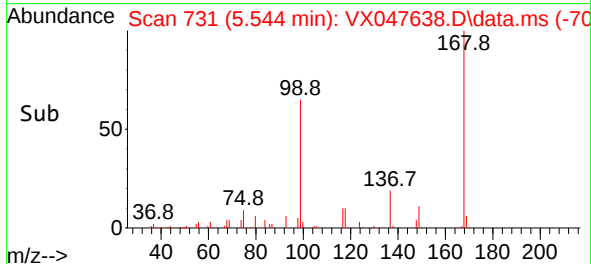
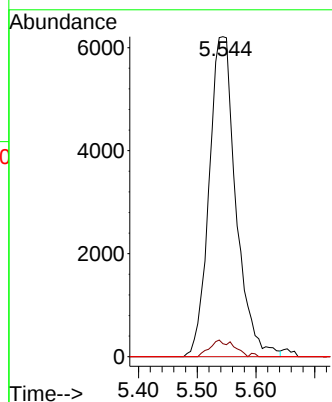
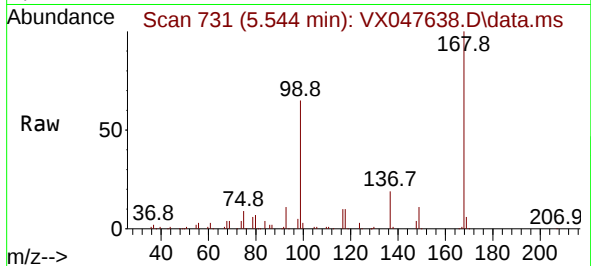




#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

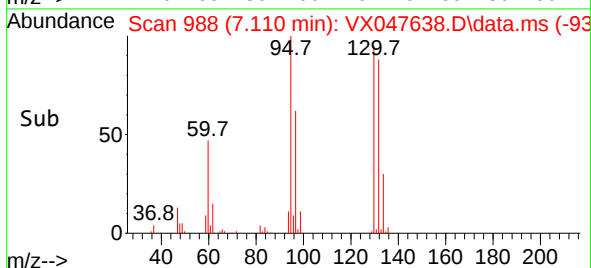
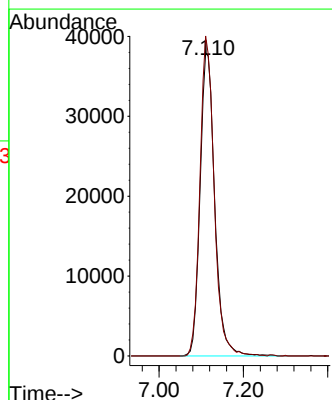
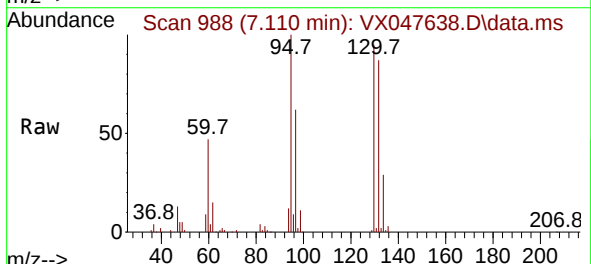
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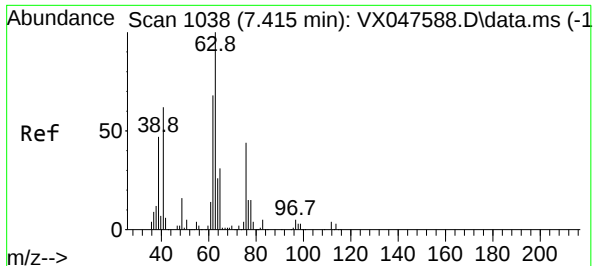
Tgt Ion:117 Resp: 19682
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 36.724 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:130 Resp: 92416
Ion Ratio Lower Upper
130 100
95 105.7 0.0 210.8





#45

1,2-Dichloropropane

Concen: 1.904 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

Instrument :

MSVOA_X

ClientSampleId :

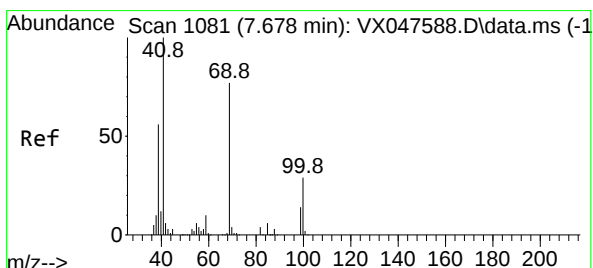
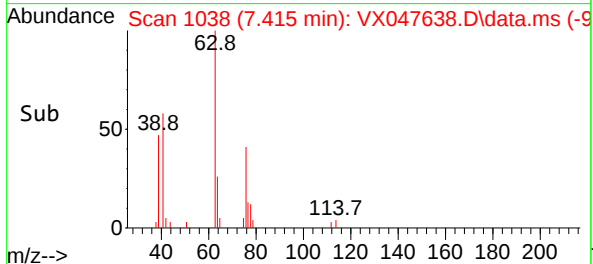
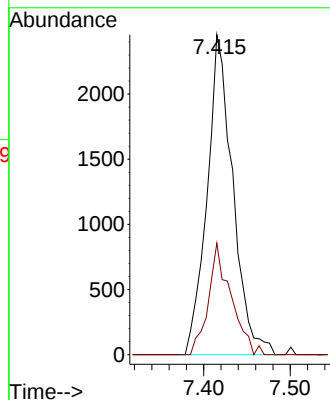
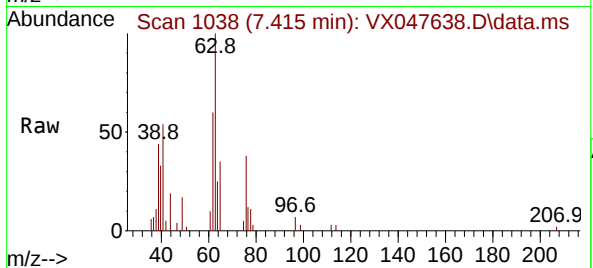
MW17811-20250909DL

Tgt Ion: 63 Resp: 5075

Ion Ratio Lower Upper

63 100

65 34.9 24.7 37.1



#48

Methyl methacrylate

Concen: 0.902 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.262 min

Lab File: VX047638.D

Acq: 18 Sep 2025 14:19

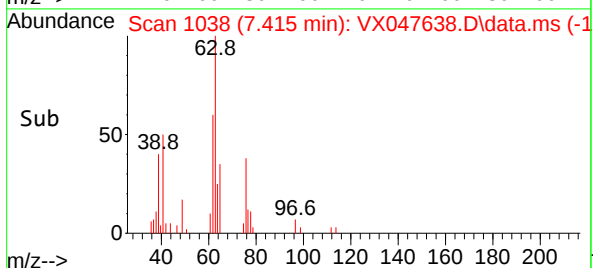
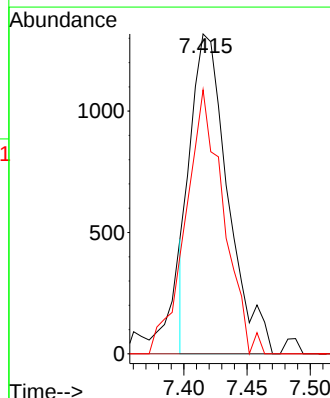
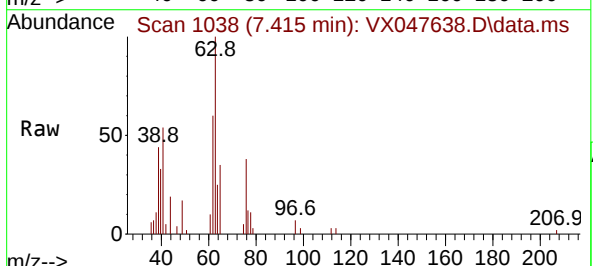
Tgt Ion: 41 Resp: 2703

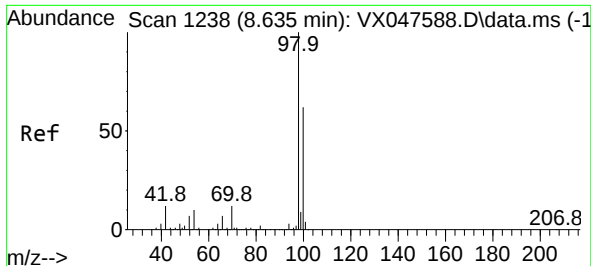
Ion Ratio Lower Upper

41 100

69 0.0 61.4 92.2#

39 72.4 45.8 68.6#

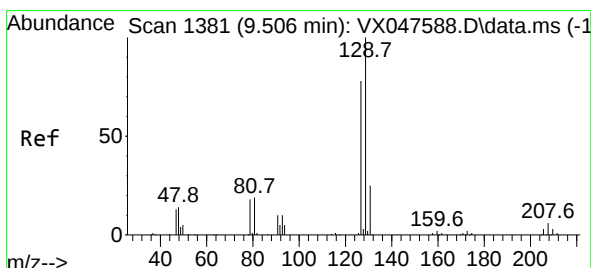
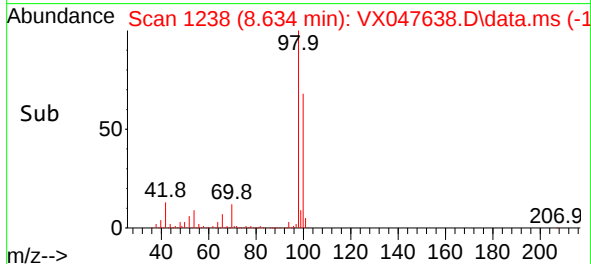
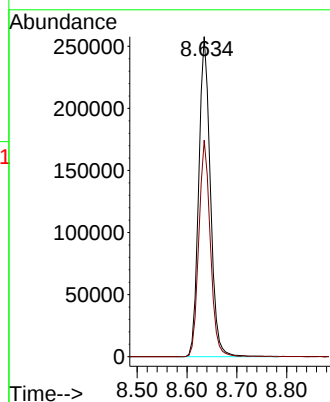
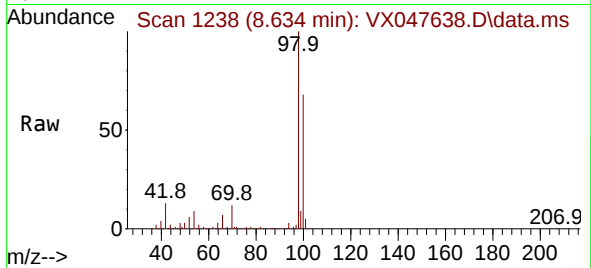




#50
Toluene-d8
Concen: 51.446 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

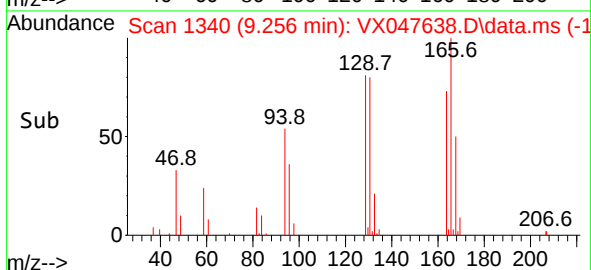
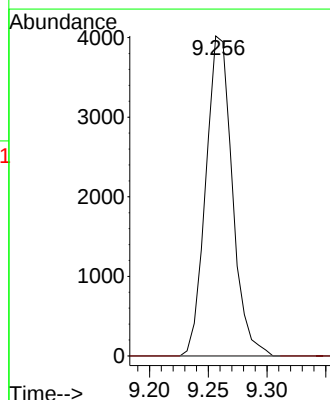
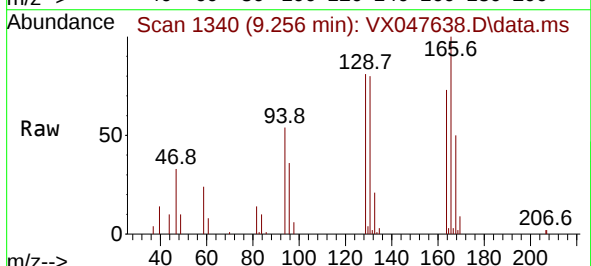
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

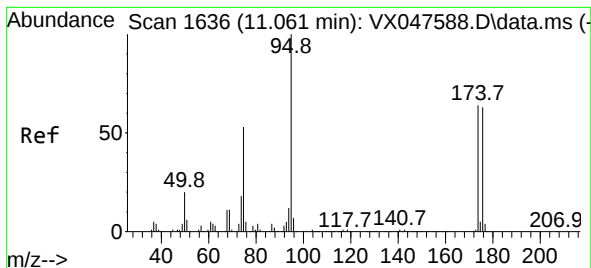
Tgt Ion: 98 Resp: 417494
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#60
Dibromochloromethane
Concen: 2.215 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 129 Resp: 6310
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

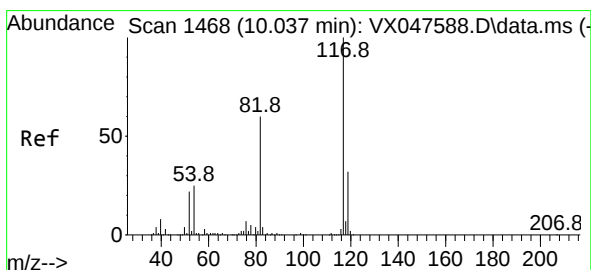
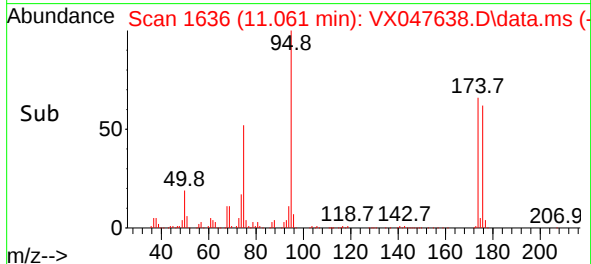
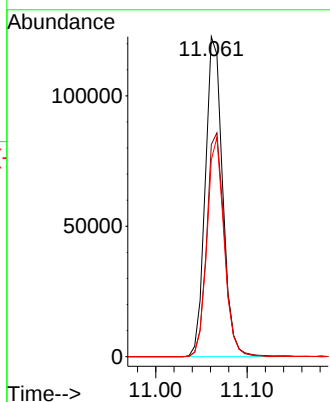
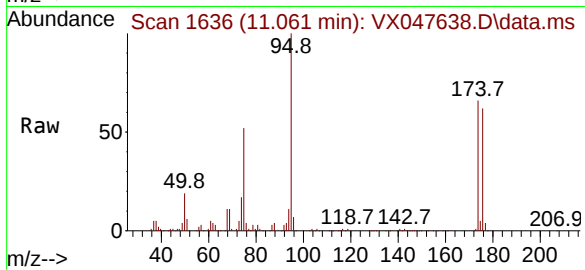




#62
4-Bromofluorobenzene
Concen: 52.409 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

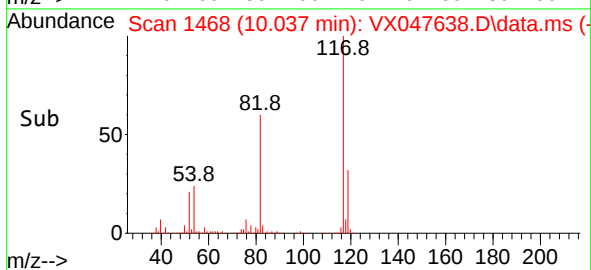
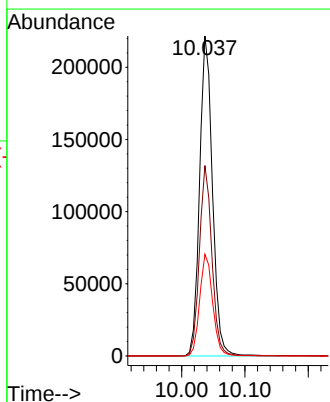
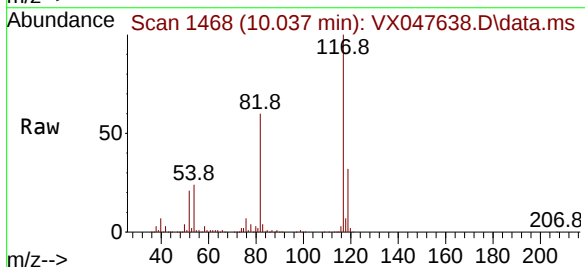
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

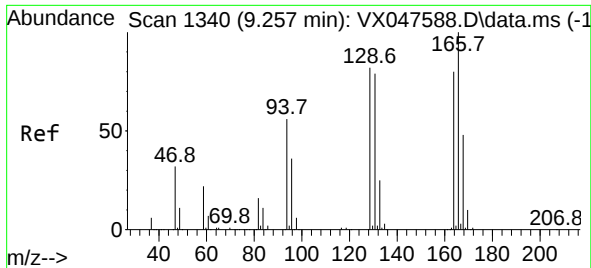
Tgt Ion: 95 Resp: 161415
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.6
176 67.9 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 117 Resp: 314014
Ion Ratio Lower Upper
117 100
82 59.5 47.8 71.6
119 31.7 25.2 37.8

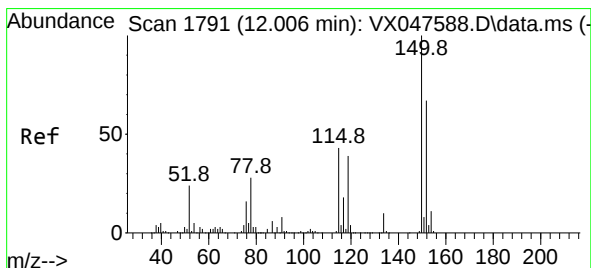
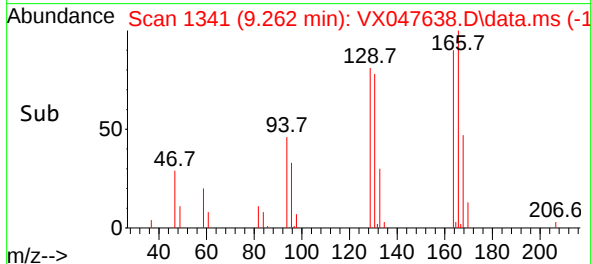
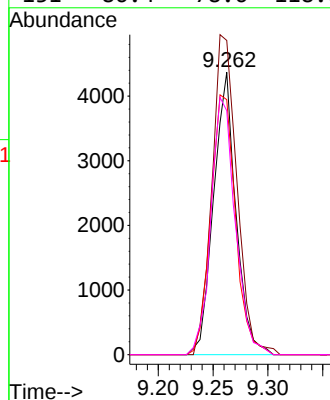
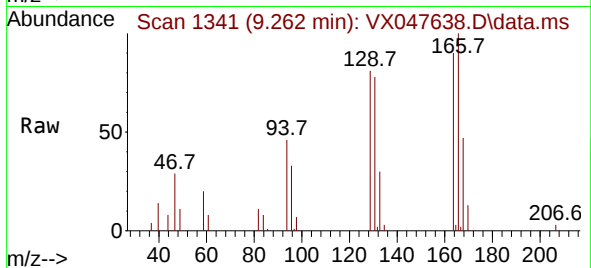




#64
Tetrachloroethene
Concen: 3.029 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

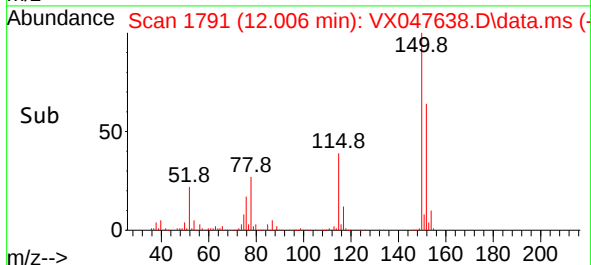
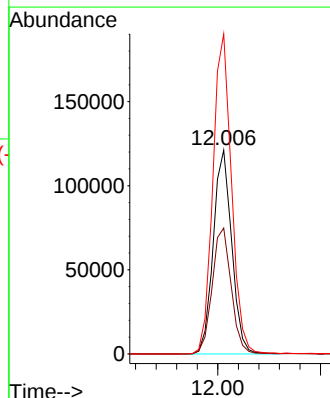
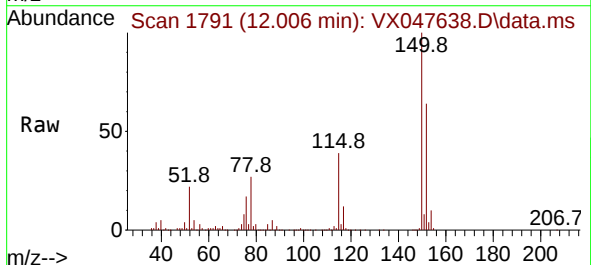
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

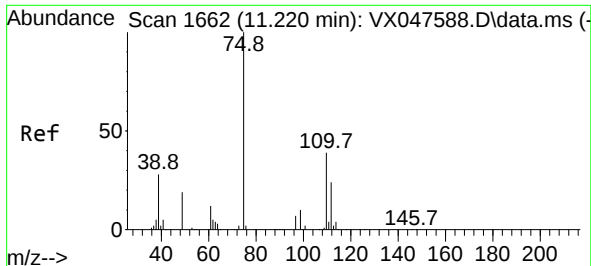
Tgt Ion:164	Resp:	6200	
Ion	Ratio	Lower	Upper
164	100		
166	111.3	100.2	150.2
129	90.3	81.8	122.6
131	86.4	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:152	Resp:	151081	
Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.9	134.5
150	158.5	0.0	352.0

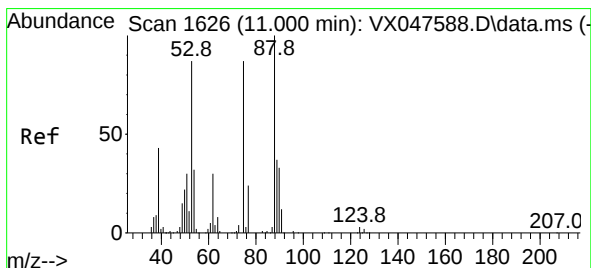
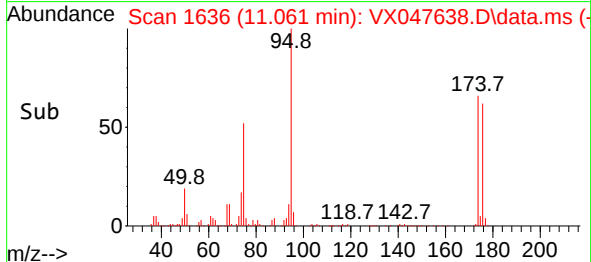
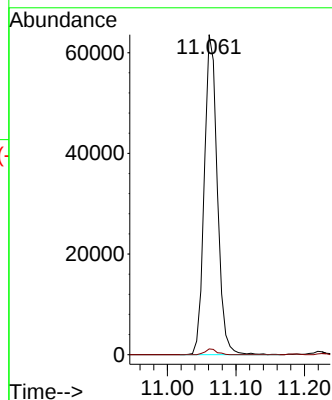
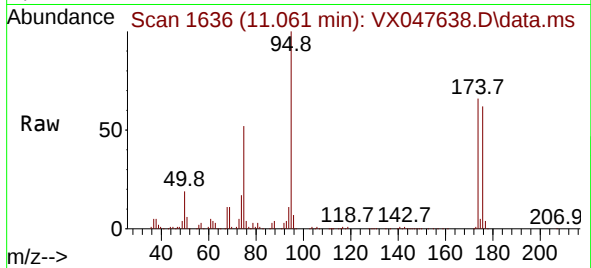




#76
1,2,3-Trichloropropane
Concen: 27.495 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

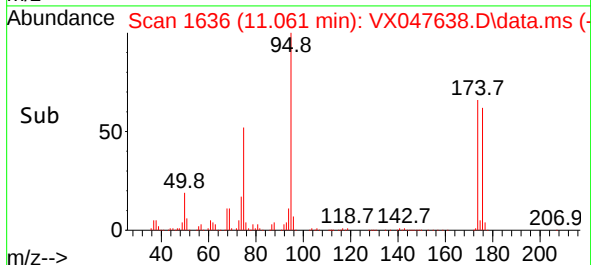
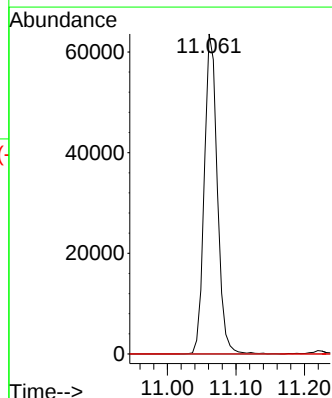
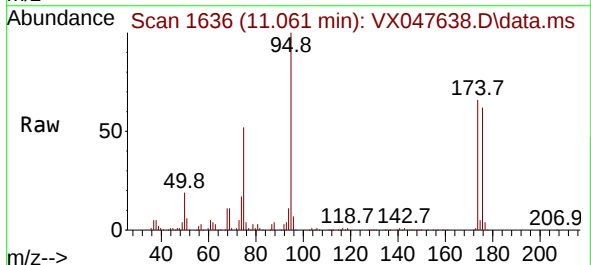
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909DL

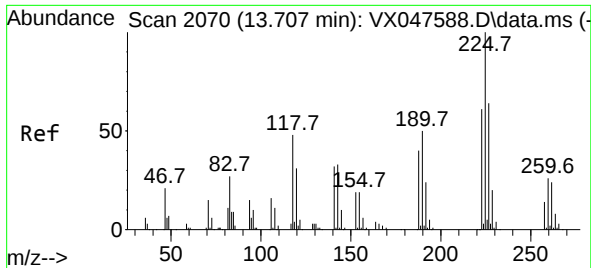
Tgt Ion: 75 Resp: 84105
Ion Ratio Lower Upper
75 100
77 1.6 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.116 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

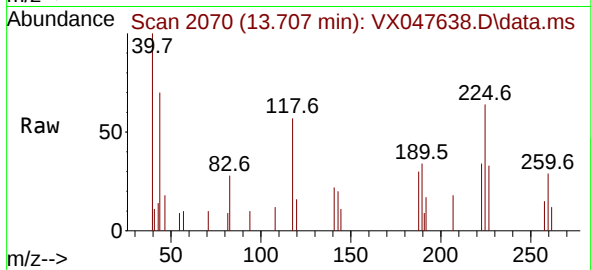
Tgt Ion: 75 Resp: 84105
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.384 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX047638.D
 Acq: 18 Sep 2025 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I1-20250909DL



Tgt Ion:	225	Resp:	424
Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.7	95.1
227	52.1	32.0	96.0

