

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047648.D
 Acq On : 18 Sep 2025 17:48
 Operator : JC/MD
 Sample : Q3095-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250910

Quant Time: Sep 22 03:41:08 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)

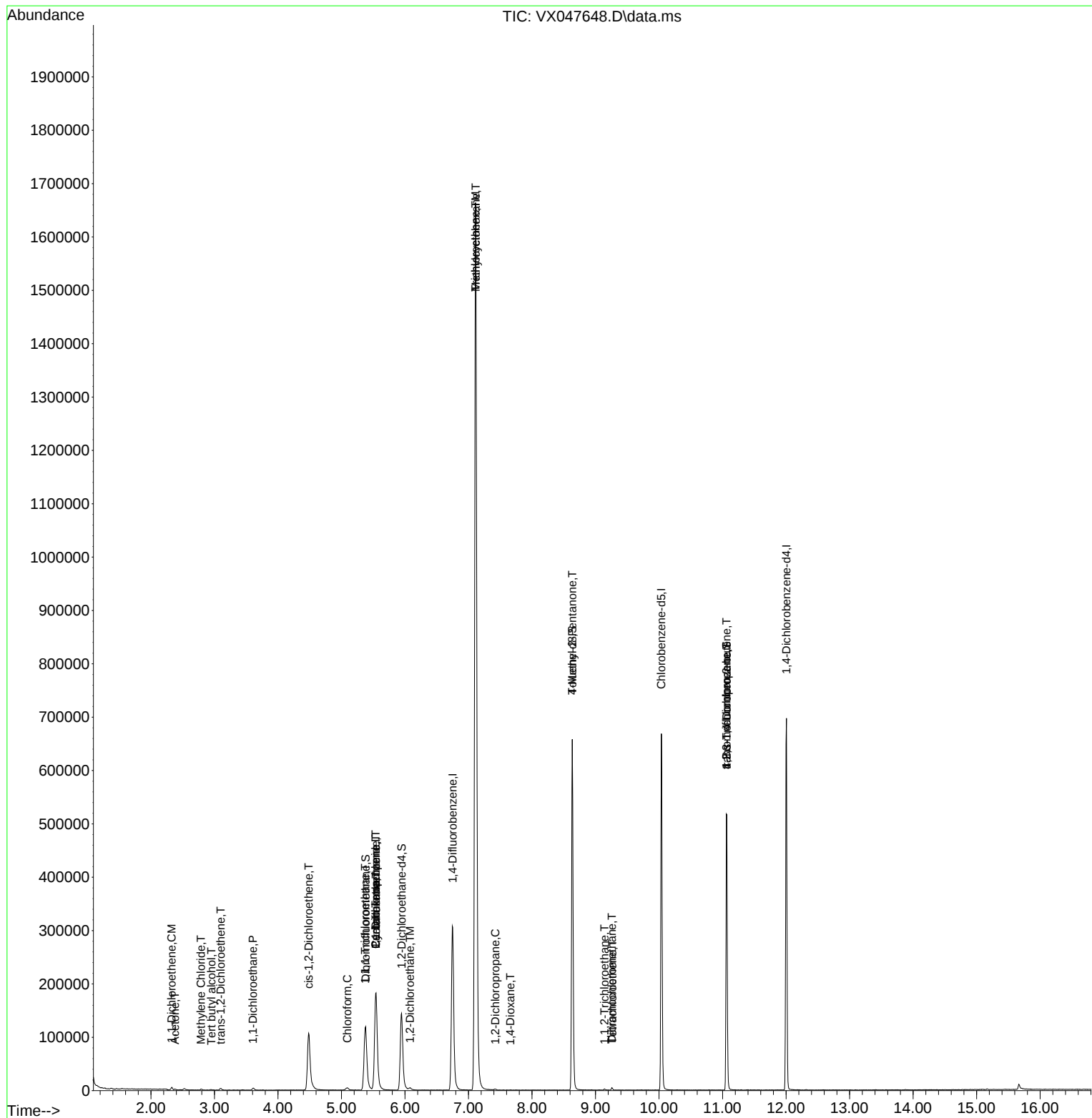
Internal Standards						
1) Pentafluorobenzene	5.544	168	184099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155732	53.144	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.280%	
35) Dibromofluoromethane	5.379	113	115023	51.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.060%	
50) Toluene-d8	8.635	98	397448	50.955	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	11.061	95	152492	51.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	247	0.757	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1695	0.775	ug/l #	90
16) Acetone	2.380	43	2434	1.910	ug/l	96
20) Methylene Chloride	2.788	84	766	0.284	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	1719	0.730	ug/l #	60
24) 1,1-Dichloroethane	3.605	63	4824	1.038	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	76570	26.550	ug/l	88
30) Chloroform	5.093	83	5704	1.214	ug/l	90
31) Cyclohexane	5.544	56	4216	1.089	ug/l #	6
32) 1,1,1-Trichloroethane	5.373	97	987	0.248	ug/l #	41
36) 1,1-Dichloropropene	5.538	75	16055	4.874	ug/l #	45
38) Carbon Tetrachloride	5.538	117	19471	5.440	ug/l #	19
39) Methylcyclohexane	7.117	83	7614	2.036	ug/l #	1
42) 1,2-Dichloroethane	6.080	62	4353	1.144	ug/l	96
44) Trichloroethene	7.111	130	680133	281.195	ug/l	98
45) 1,2-Dichloropropane	7.421	63	777	0.303	ug/l #	83
49) 1,4-Dioxane	7.659	88	59	2.026	ug/l #	1
51) 4-Methyl-2-Pentanone	8.635	43	1944	0.606	ug/l #	1
55) 1,1,2-Trichloroethane	9.141	97	630	0.265	ug/l #	75
60) Dibromochloromethane	9.257	129	814	0.297	ug/l #	11
64) Tetrachloroethene	9.263	164	761	0.385	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	79106	26.829	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	79106	68.418	ug/l #	8

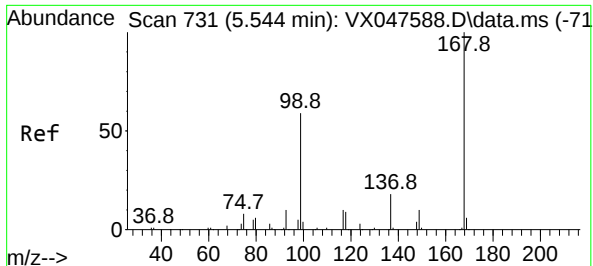
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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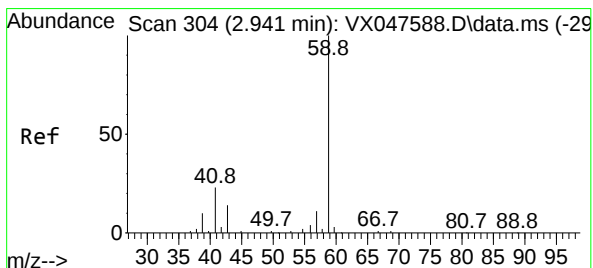
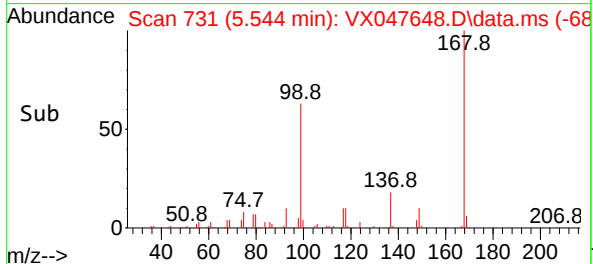
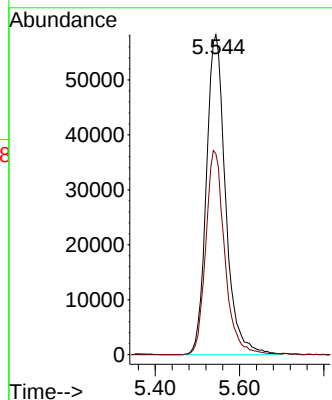
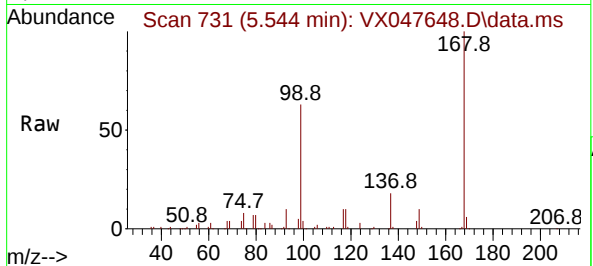




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

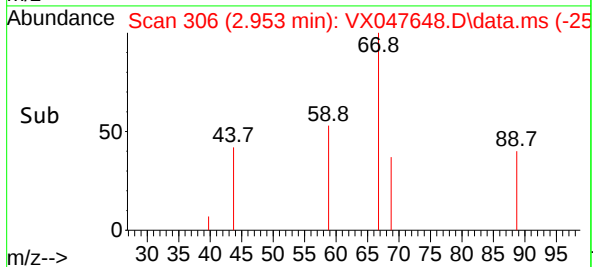
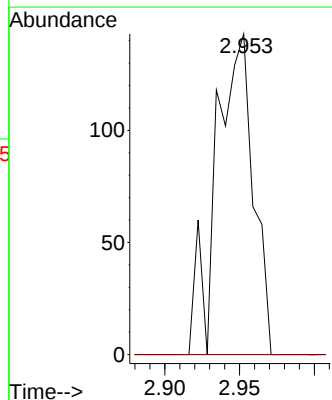
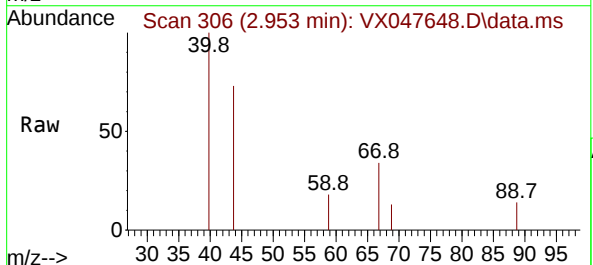
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

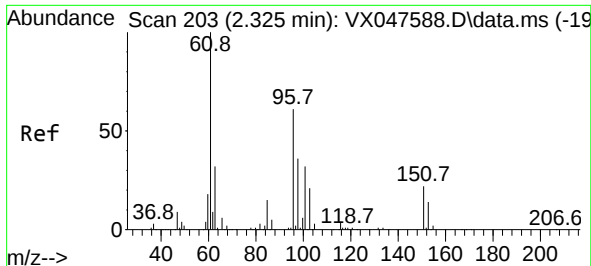
Tgt Ion:168 Resp: 184099
Ion Ratio Lower Upper
168 100
99 62.8 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.757 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

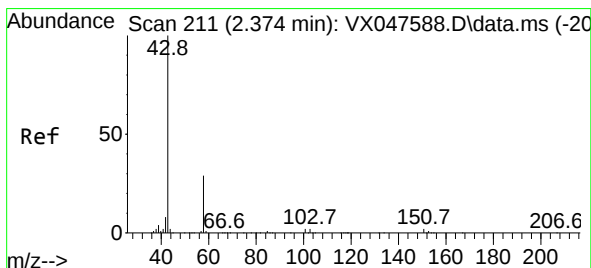
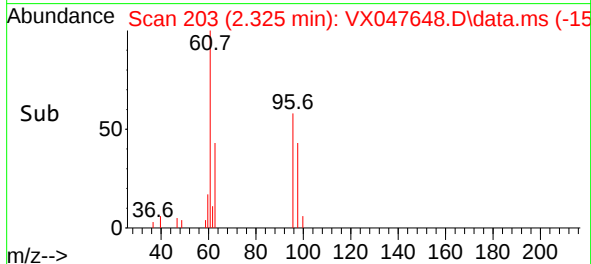
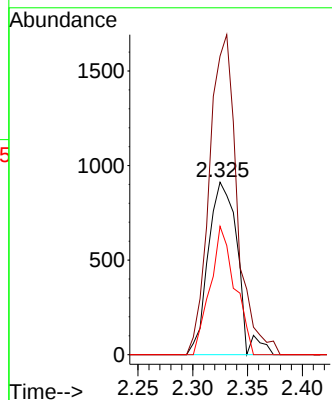
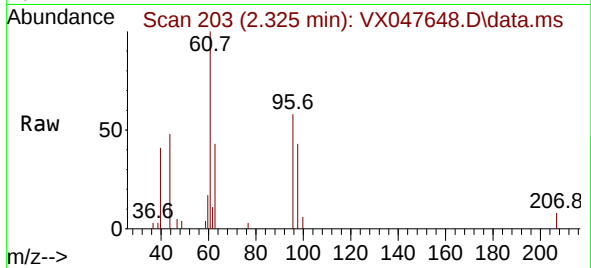




#12
1,1-Dichloroethene
Concen: 0.775 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

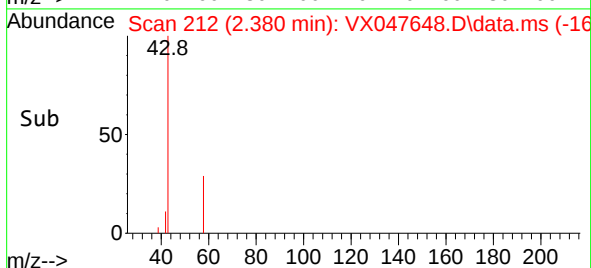
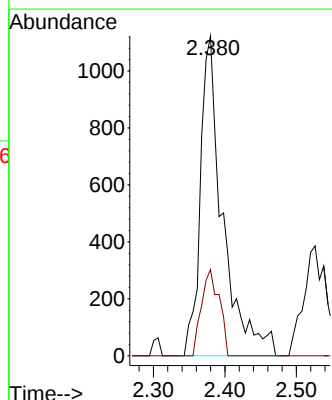
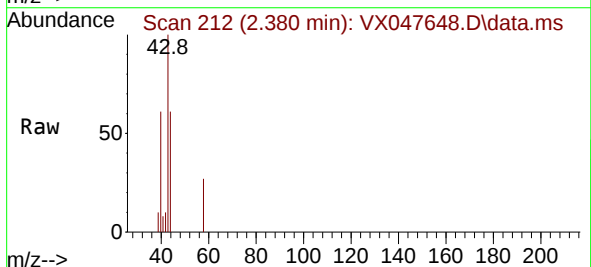
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

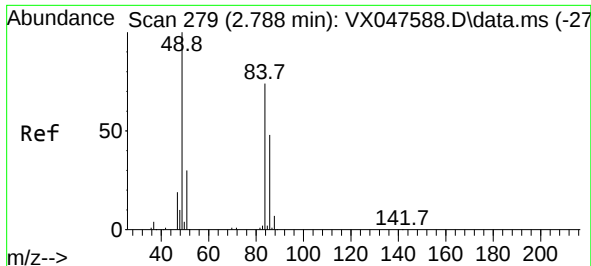
Tgt Ion: 96 Resp: 1695
Ion Ratio Lower Upper
96 100
61 173.1 131.0 196.6
98 74.3 47.7 71.5#



#16
Acetone
Concen: 1.910 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 27.0 23.4 35.0

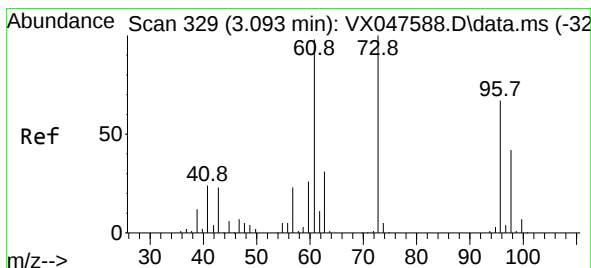
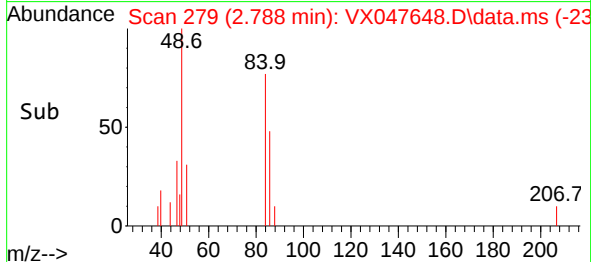
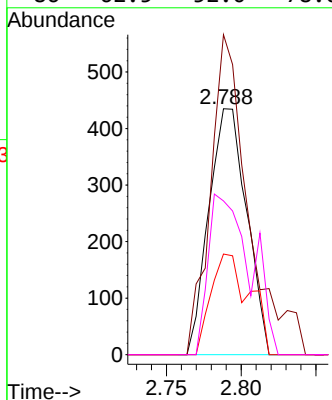
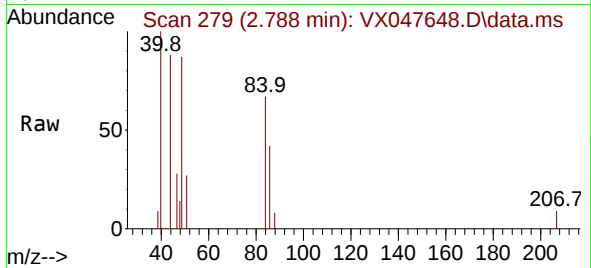




#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

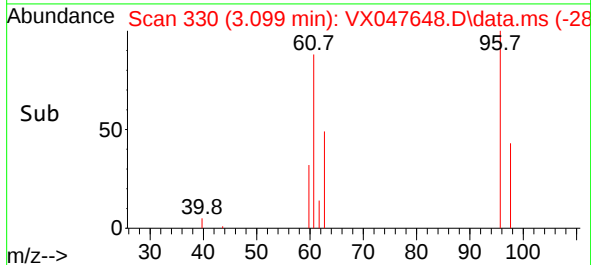
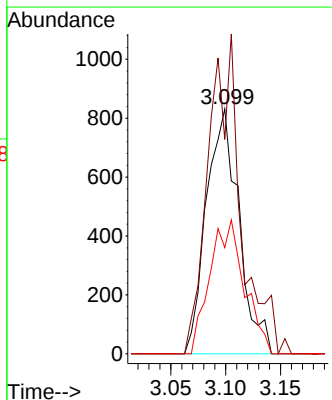
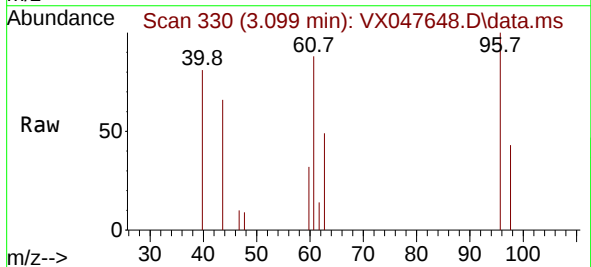
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

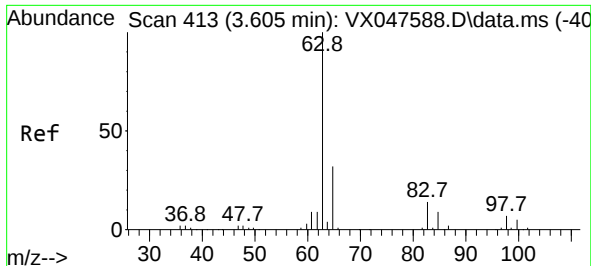
Tgt Ion:	84	Resp:	766
Ion	Ratio	Lower	Upper
84	100		
49	130.1	108.6	162.8
51	40.9	32.6	48.8
86	62.5	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 0.730 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:	96	Resp:	1719
Ion	Ratio	Lower	Upper
96	100		
61	87.6	116.2	174.2#
98	43.4	49.3	73.9#

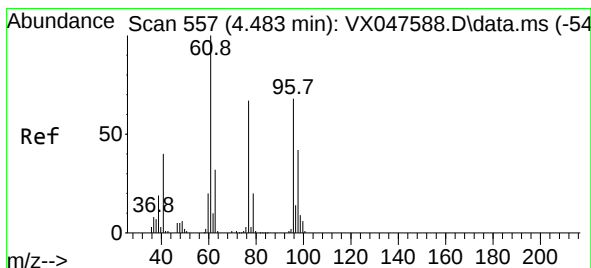
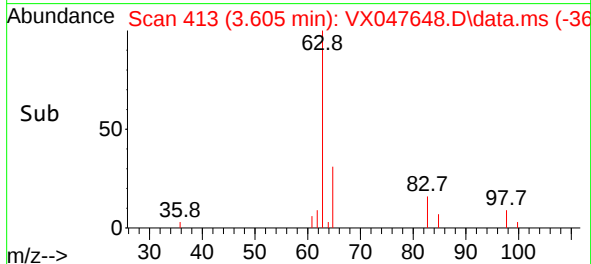
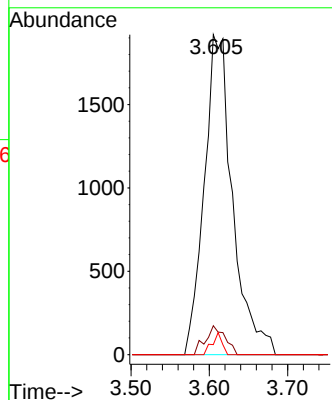
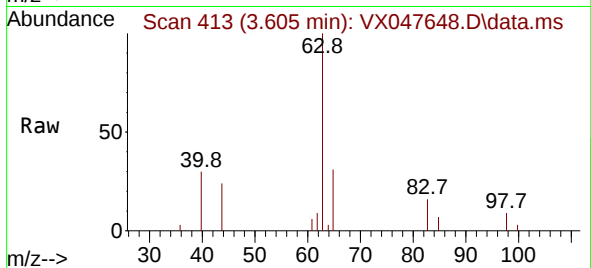




#24
1,1-Dichloroethane
Concen: 1.038 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

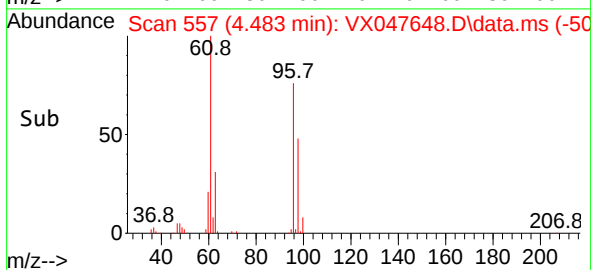
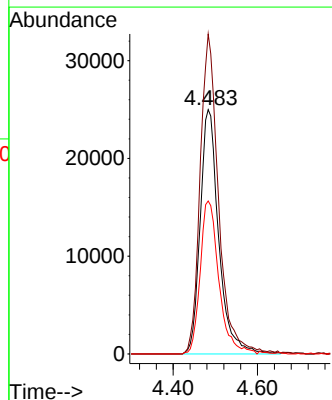
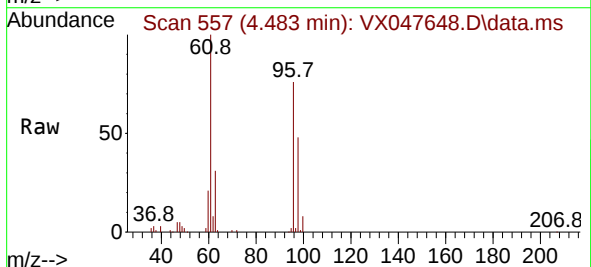
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

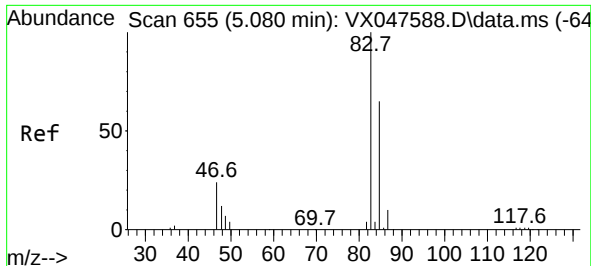
Tgt Ion: 63 Resp: 4824
Ion Ratio Lower Upper
63 100
98 9.0 3.8 11.2
100 3.1 2.3 6.9



#27
cis-1,2-Dichloroethene
Concen: 26.550 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 96 Resp: 76570
Ion Ratio Lower Upper
96 100
61 130.3 0.0 303.2
98 63.1 0.0 127.8





#30

Chloroform

Concen: 1.214 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

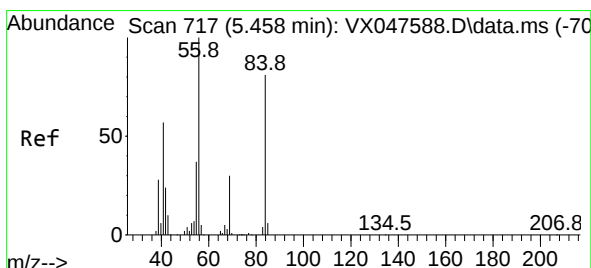
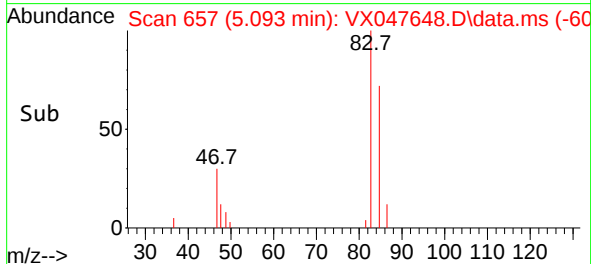
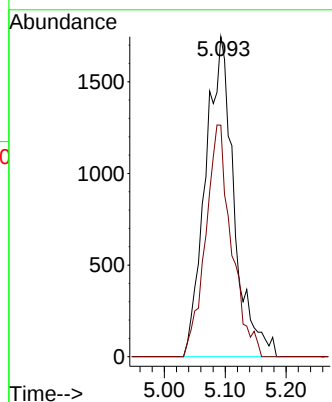
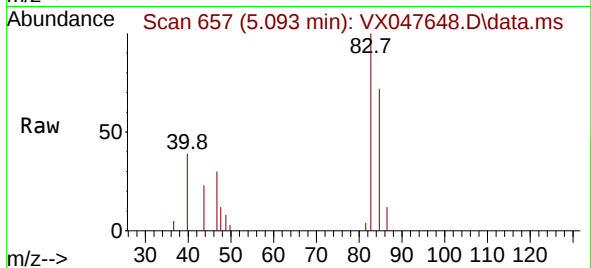
RE104D2-20250910

Tgt Ion: 83 Resp: 5704

Ion Ratio Lower Upper

83 100

85 72.3 51.8 77.6



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

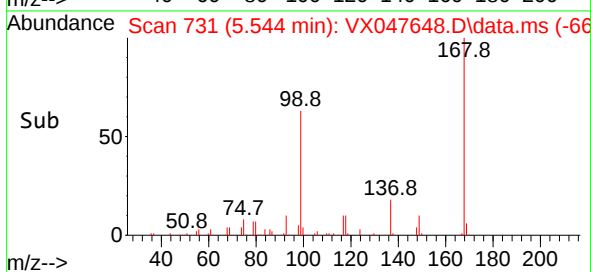
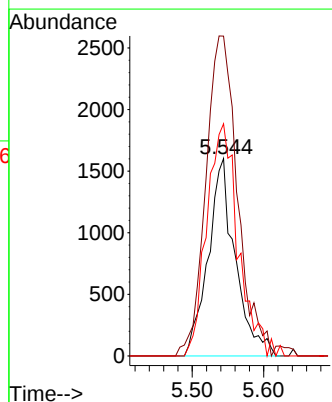
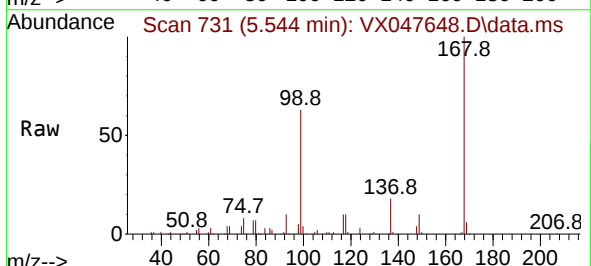
Tgt Ion: 56 Resp: 4216

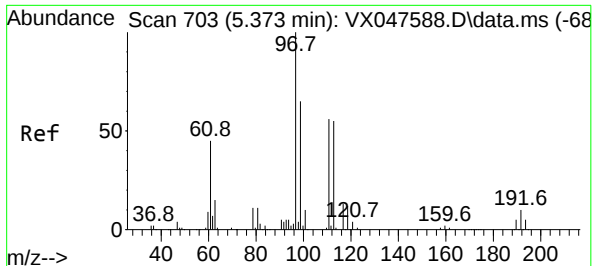
Ion Ratio Lower Upper

56 100

69 157.6 23.8 35.8#

84 117.6 64.6 97.0#

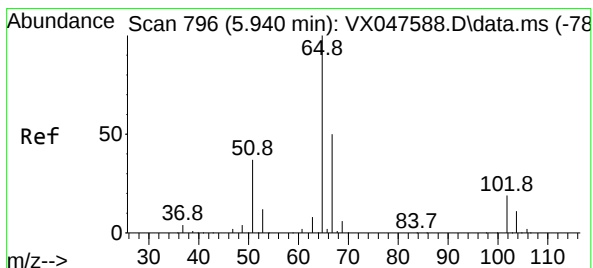
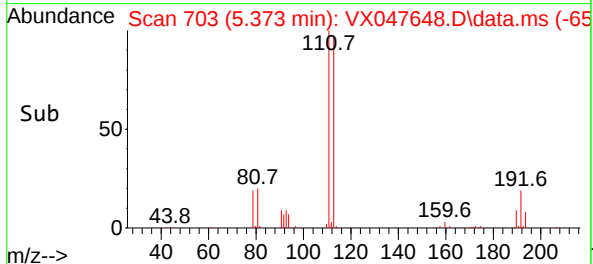
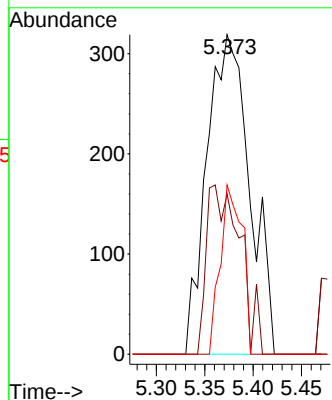
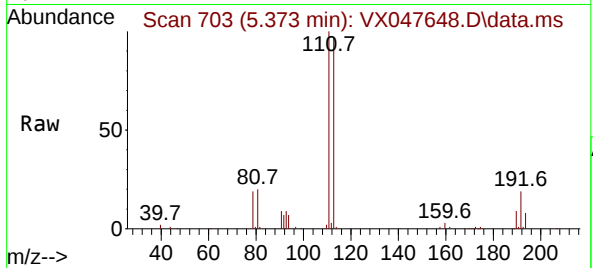




#32
1,1,1-Trichloroethane
Concen: 0.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

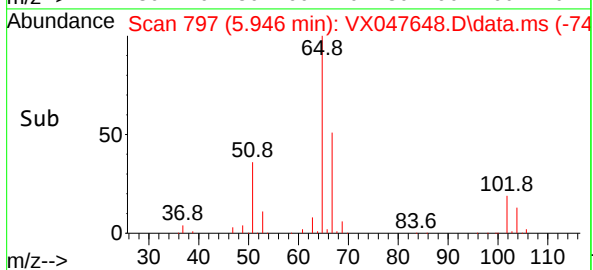
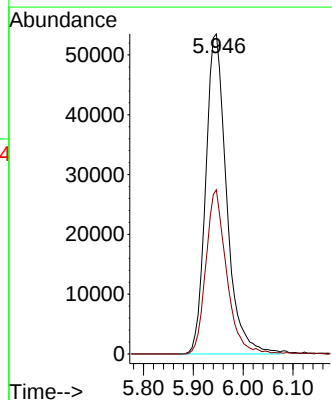
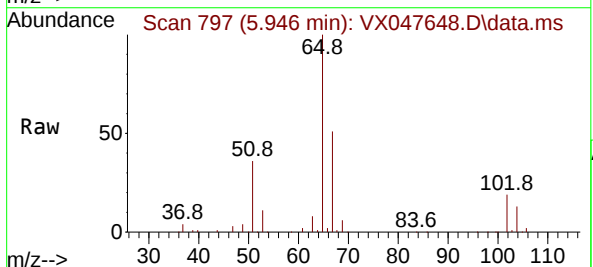
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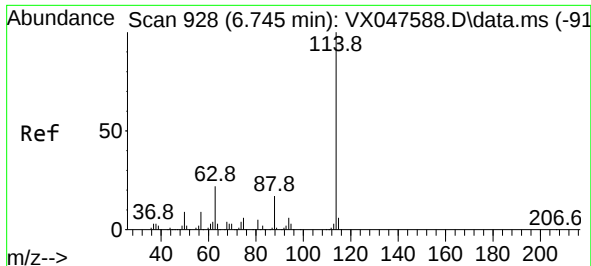
Tgt Ion: 97 Resp: 987
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 27.2 35.8 53.8#



#33
1,2-Dichloroethane-d4
Concen: 53.144 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 65 Resp: 155732
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

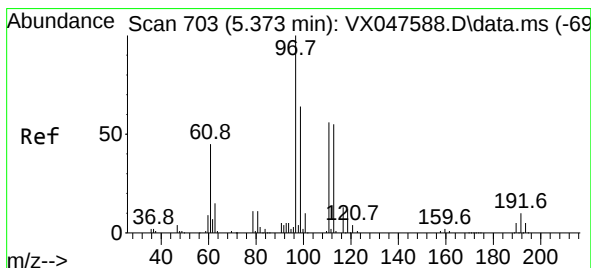
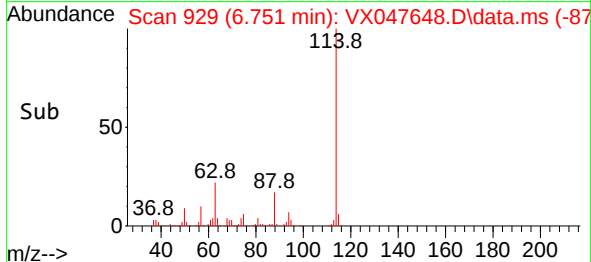
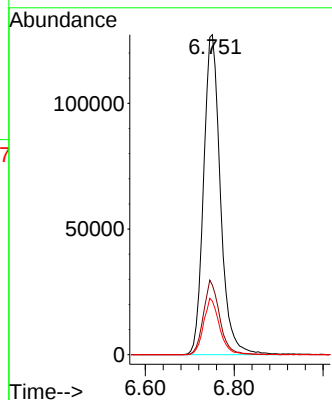
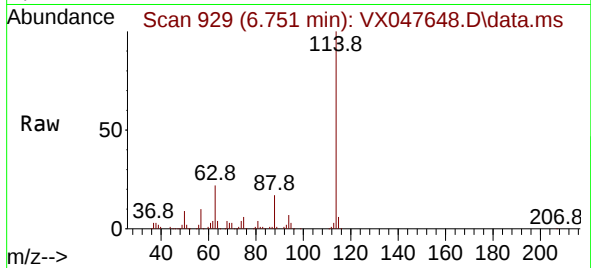




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

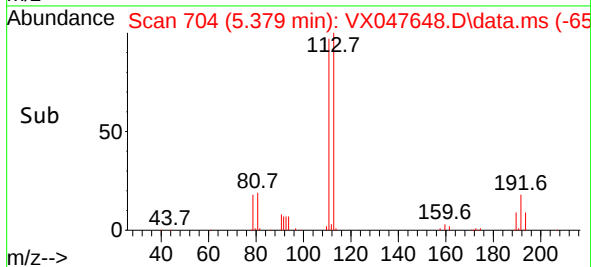
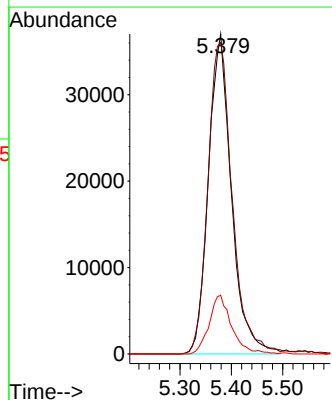
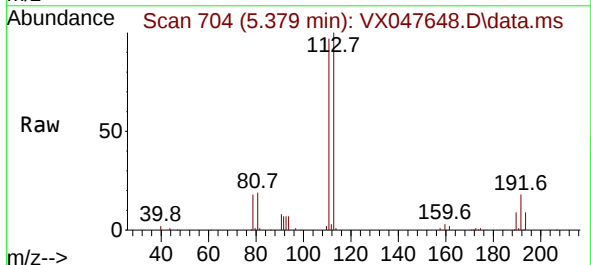
Instrument :
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ClientSampleId :
RE104D2-20250910

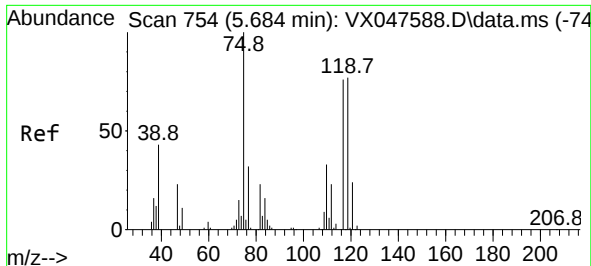
Tgt Ion:114 Resp: 336121
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.026 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:113 Resp: 115023
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047648.D

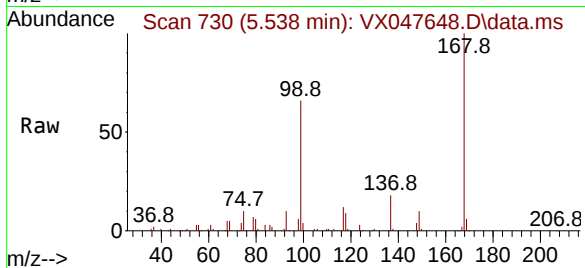
Acq: 18 Sep 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20250910



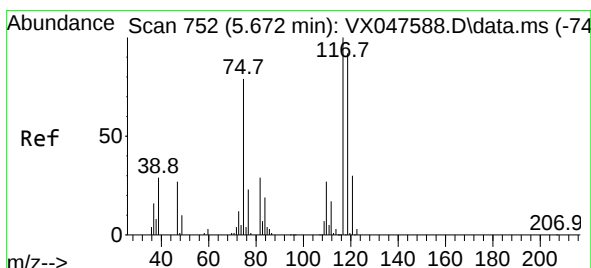
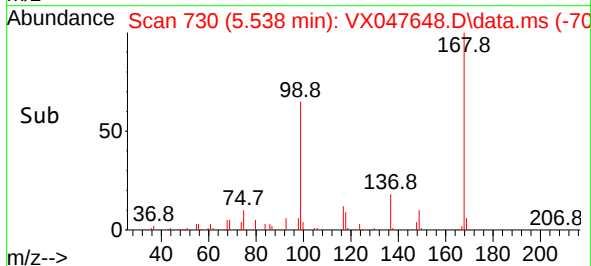
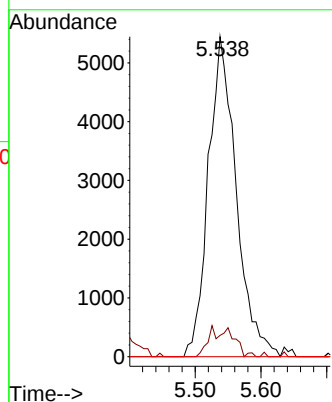
Tgt Ion: 75 Resp: 16055

Ion Ratio Lower Upper

75 100

110 3.0 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

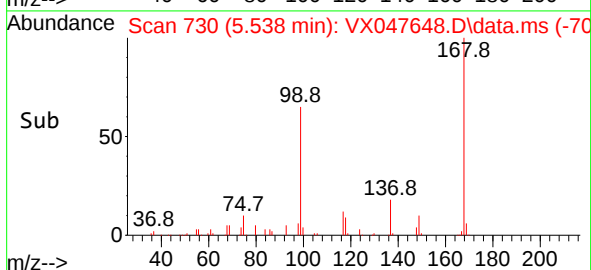
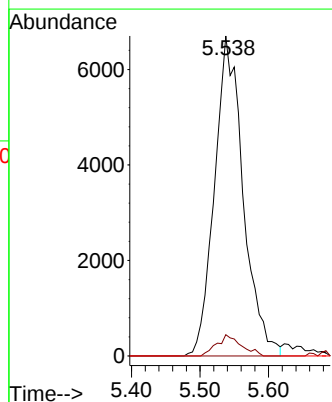
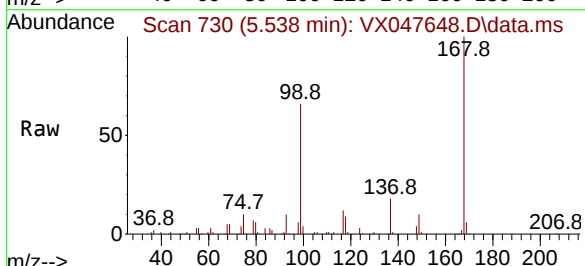
Tgt Ion: 117 Resp: 19471

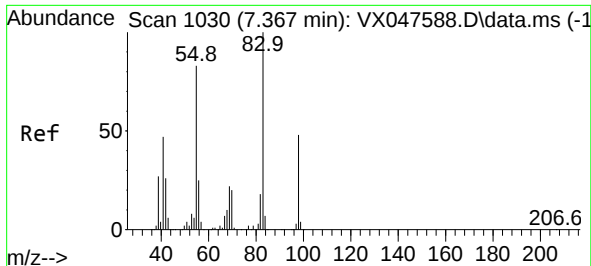
Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.2#

121 0.0 23.8 35.6#

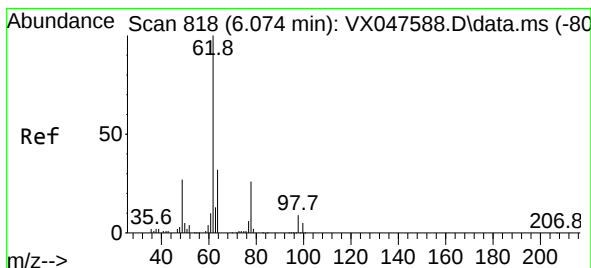
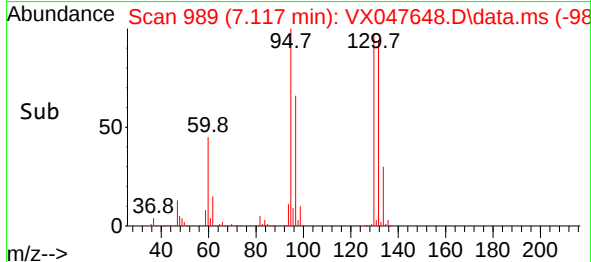
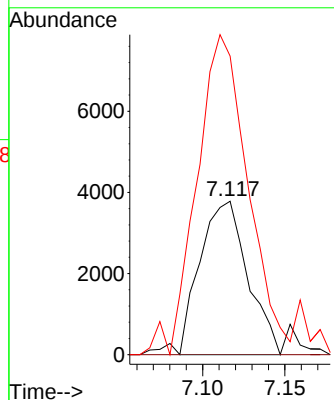
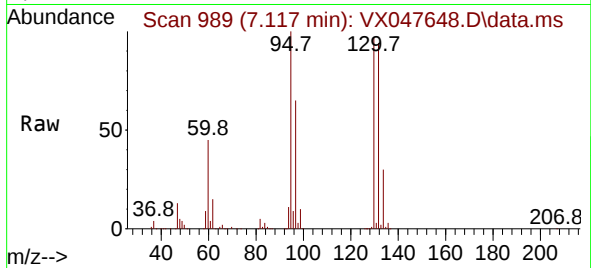




#39
Methylcyclohexane
Concen: 2.036 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

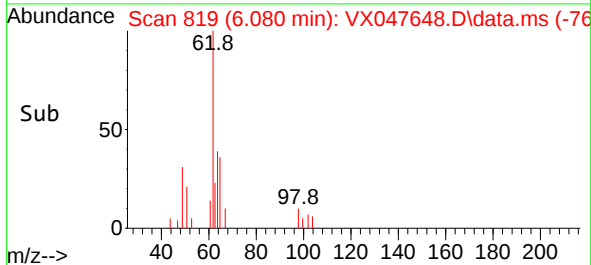
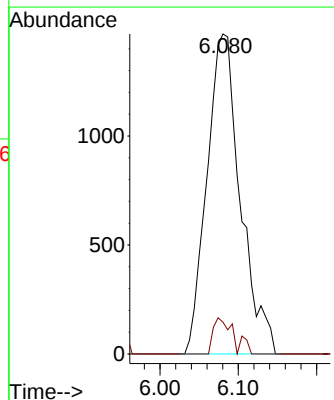
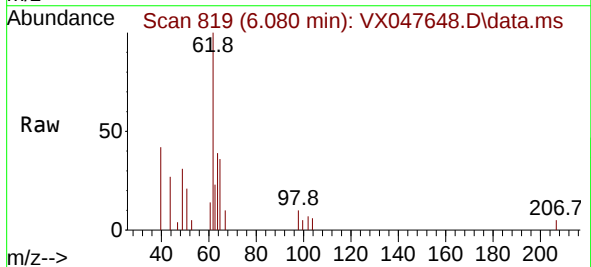
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

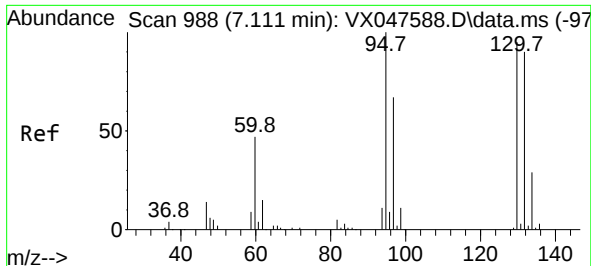
Tgt Ion: 83 Resp: 7614
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 282.9 38.1 57.1#



#42
1,2-Dichloroethane
Concen: 1.144 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

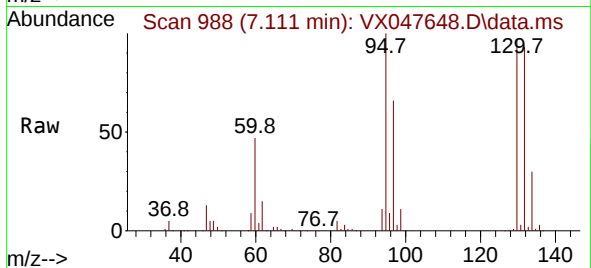
Tgt Ion: 62 Resp: 4353
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.0



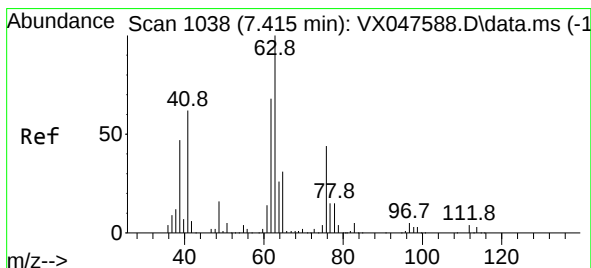
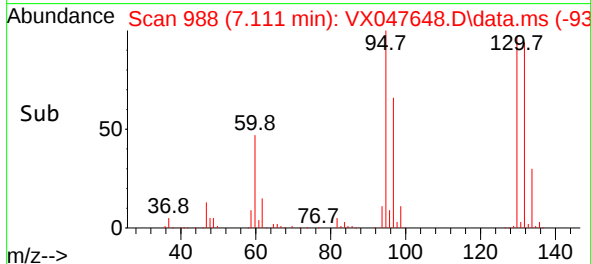
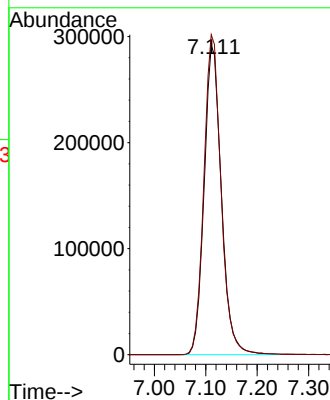


#44
Trichloroethene
Concen: 281.195 ug/l
RT: 7.111 min Scan# 910
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

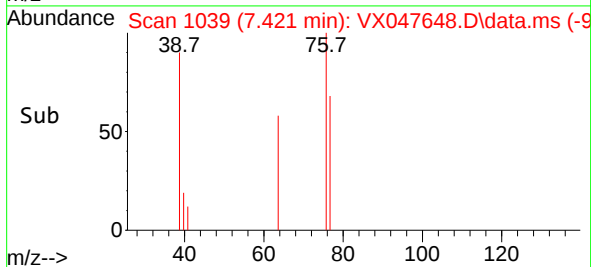
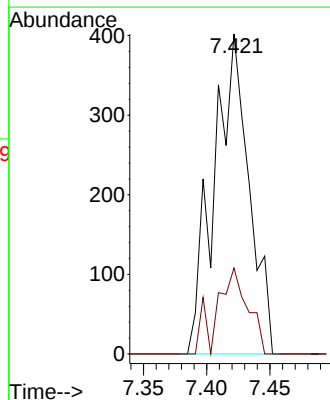
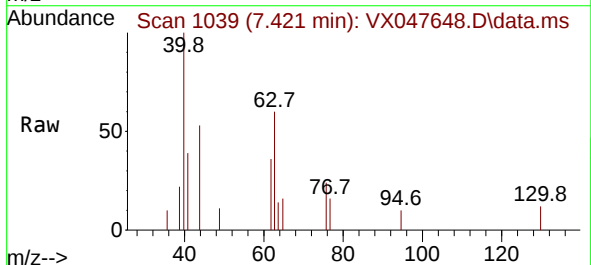


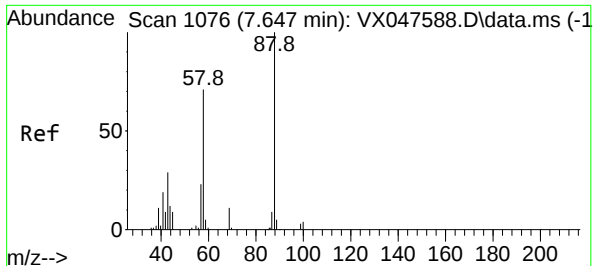
Tgt Ion:130 Resp: 680133
Ion Ratio Lower Upper
130 100
95 103.4 0.0 210.8



#45
1,2-Dichloropropane
Concen: 0.303 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 63 Resp: 777
Ion Ratio Lower Upper
63 100
65 21.8 24.7 37.1#





#49

1,4-Dioxane

Concen: 2.026 ug/l

RT: 7.659 min Scan# 1076

Delta R.T. 0.012 min

Lab File: VX047648.D

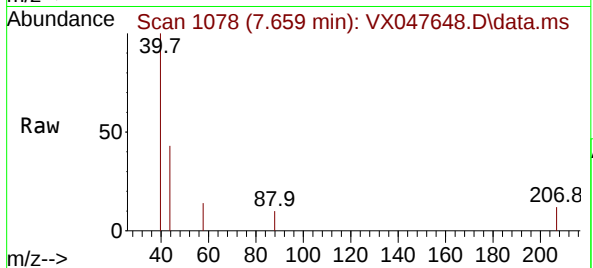
Acq: 18 Sep 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20250910



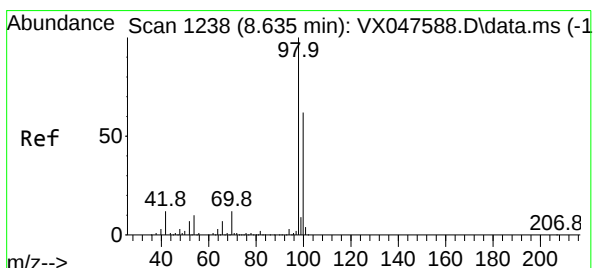
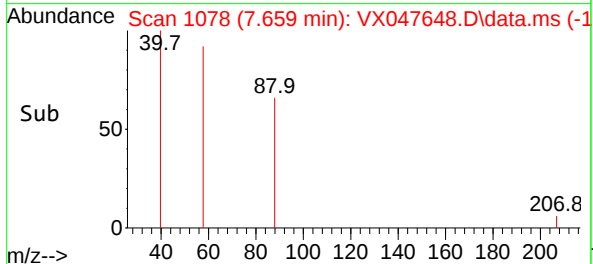
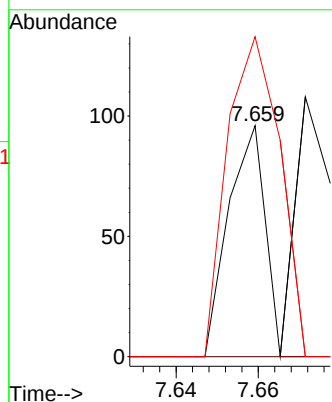
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.2#

58 201.7 59.5 89.3#



#50

Toluene-d8

Concen: 50.955 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047648.D

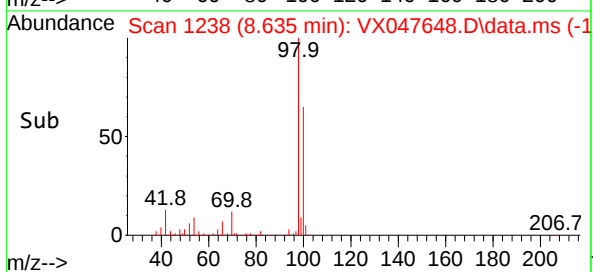
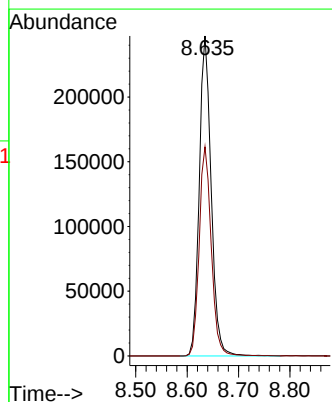
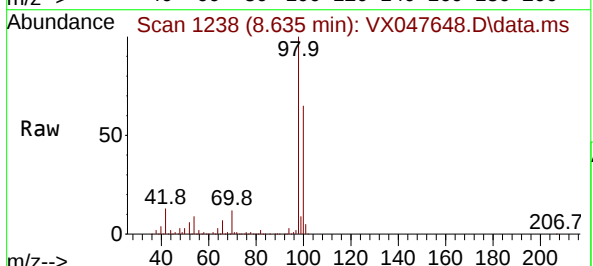
Acq: 18 Sep 2025 17:48

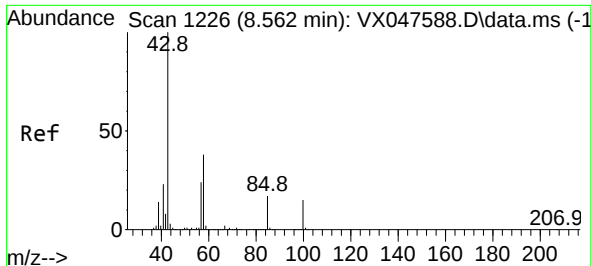
Tgt Ion: 98 Resp: 397448

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4

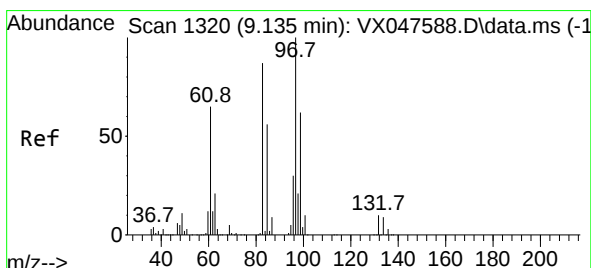
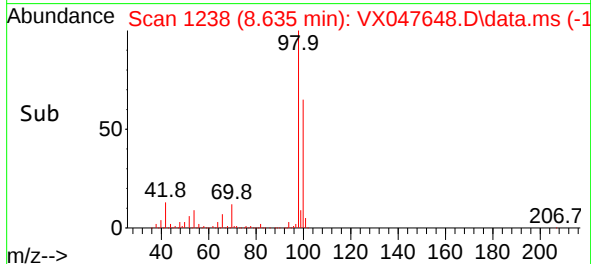
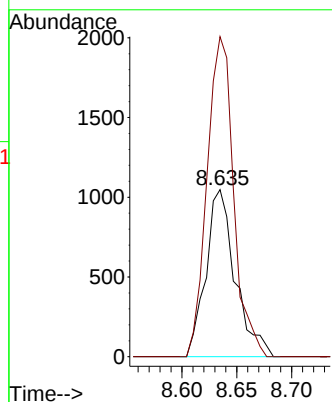
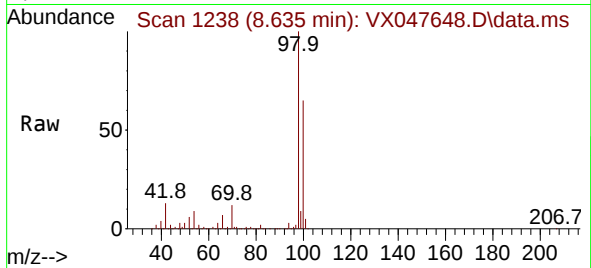




#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

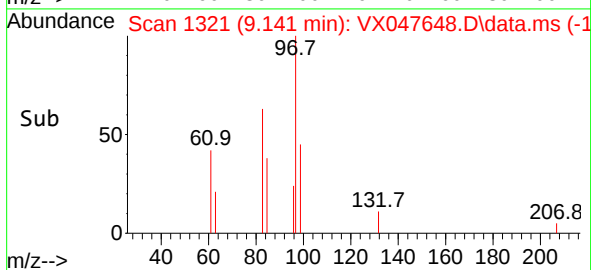
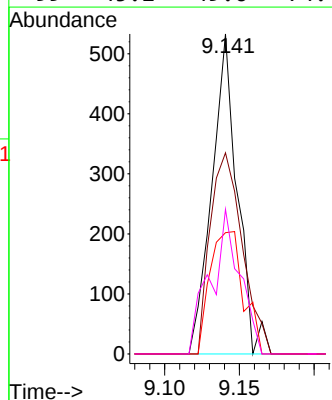
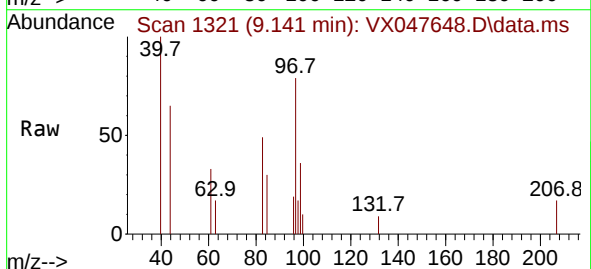
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

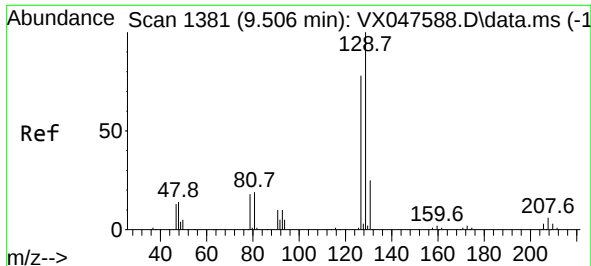
Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
58 174.3 30.3 45.5#



#55
1,1,2-Trichloroethane
Concen: 0.265 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 97 Resp: 630
Ion Ratio Lower Upper
97 100
83 62.9 69.6 104.4#
85 37.9 45.0 67.6#
99 45.2 49.6 74.4#

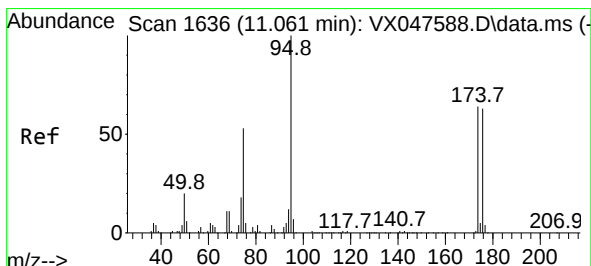
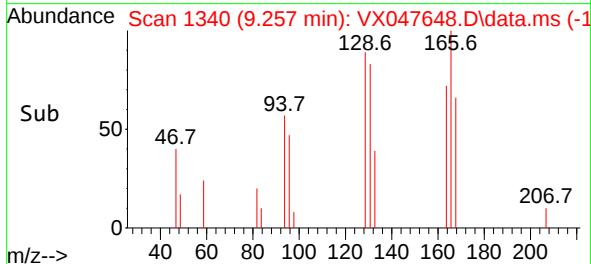
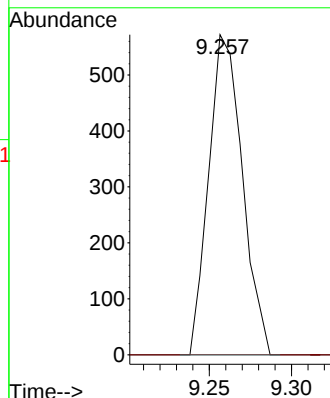
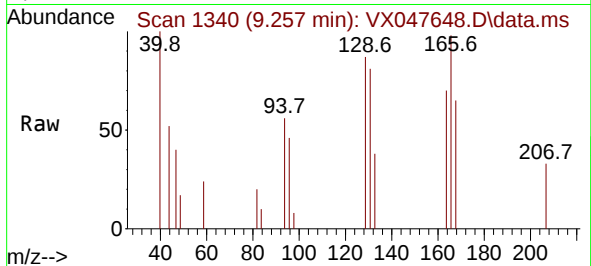




#60
Dibromochloromethane
Concen: 0.297 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

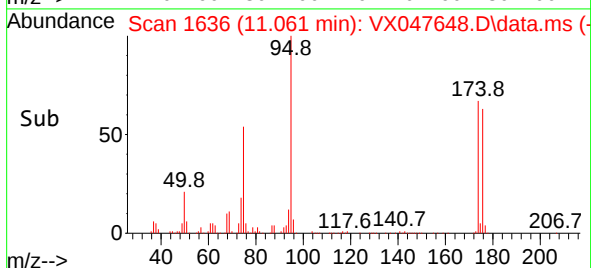
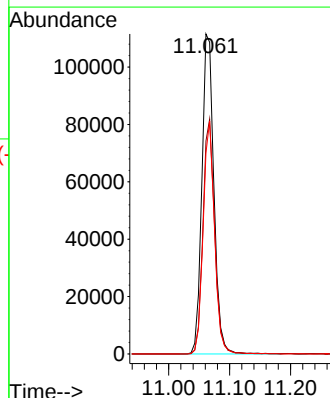
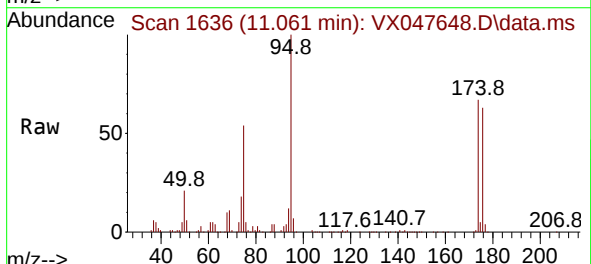
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

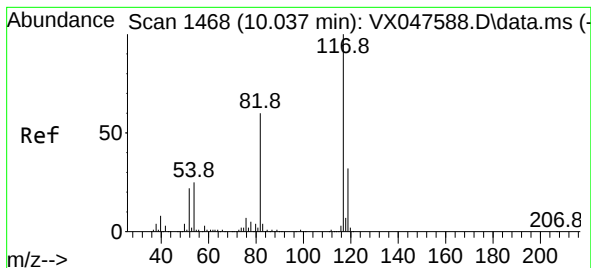
Tgt Ion:129 Resp: 814
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.513 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 95 Resp: 152492
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 69.0 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: VX047648.D

Acq: 18 Sep 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20250910

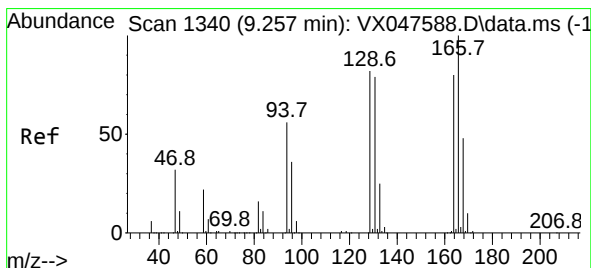
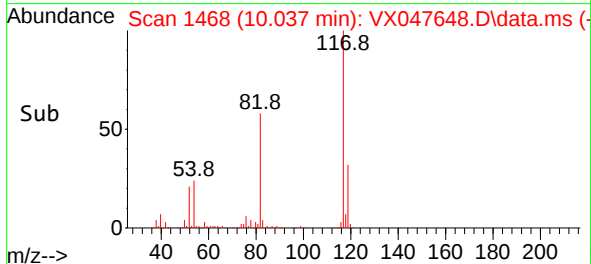
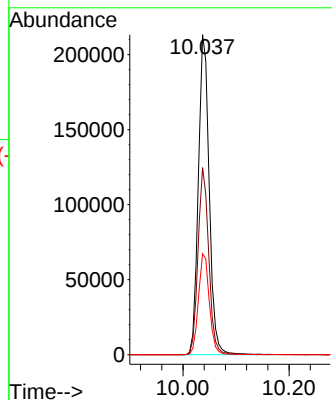
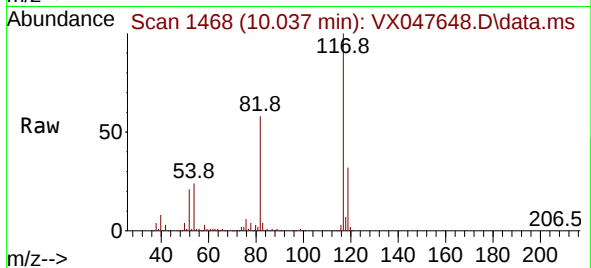
Tgt Ion:117 Resp: 303444

Ion Ratio Lower Upper

117 100

82 58.4 47.8 71.6

119 31.5 25.2 37.8



#64

Tetrachloroethene

Concen: 0.385 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

Tgt Ion:164 Resp: 761

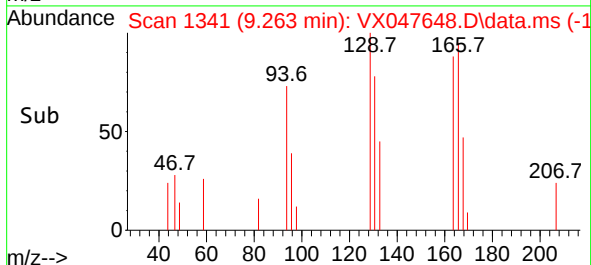
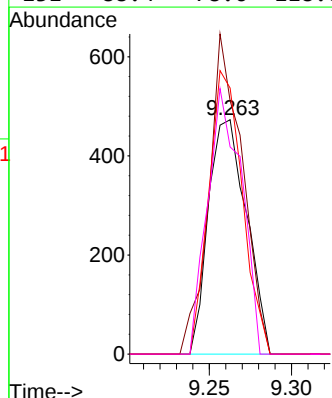
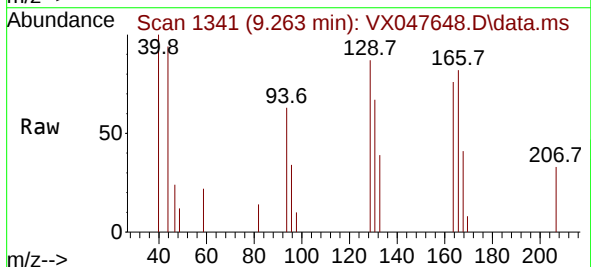
Ion Ratio Lower Upper

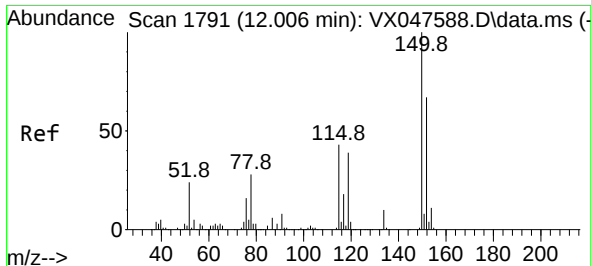
164 100

166 108.0 100.2 150.2

129 113.5 81.8 122.6

131 88.4 78.6 118.0

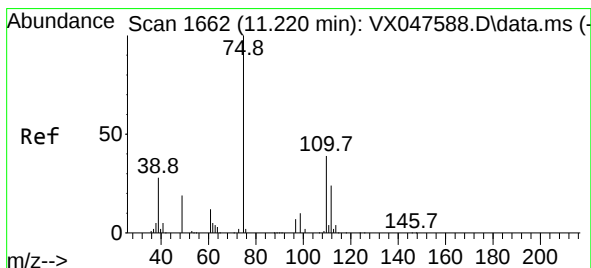
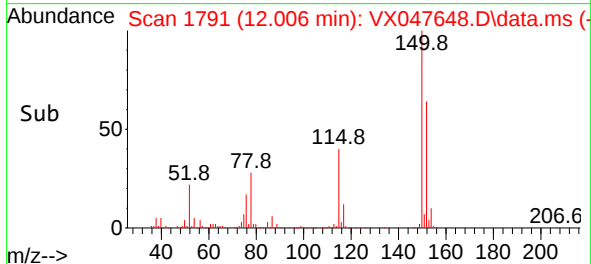
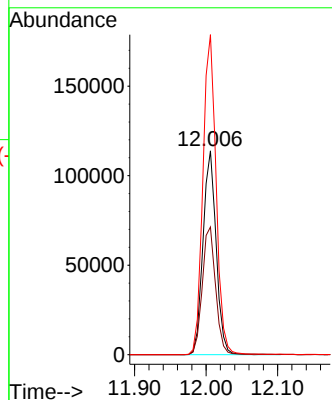
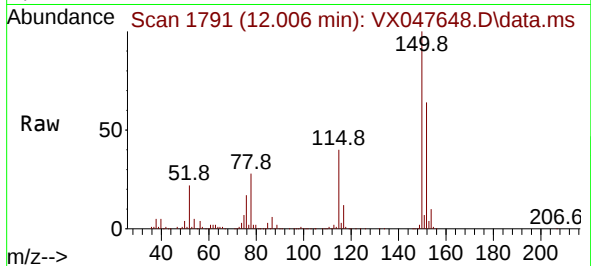




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047648.D
 Acq: 18 Sep 2025 17:48

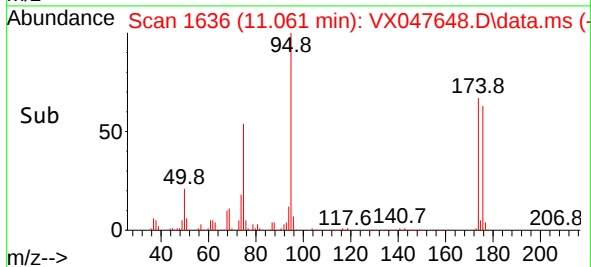
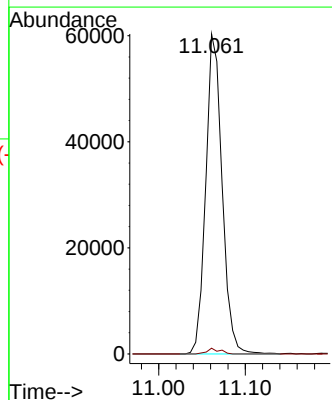
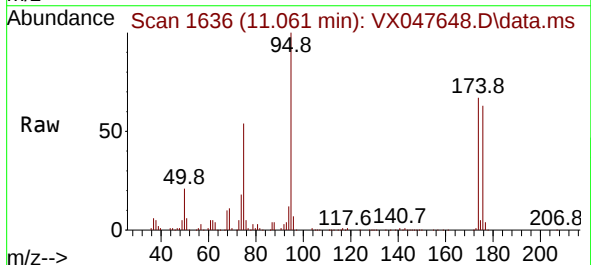
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250910

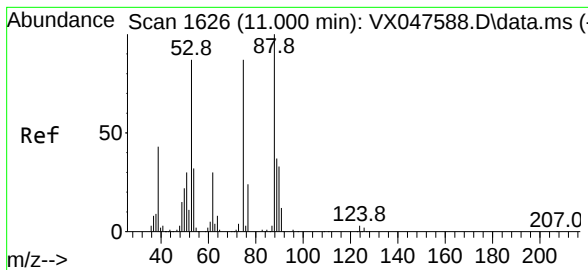
Tgt Ion:152 Resp: 145628
 Ion Ratio Lower Upper
 152 100
 115 63.4 44.9 134.5
 150 157.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 26.829 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047648.D
 Acq: 18 Sep 2025 17:48

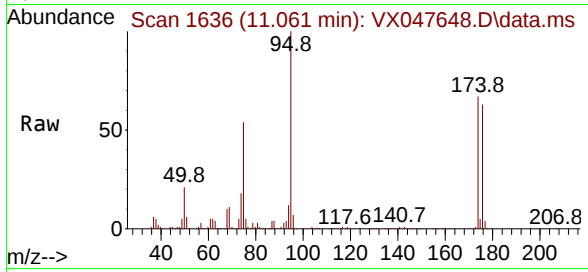
Tgt Ion: 75 Resp: 79106
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.418 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047648.D
 Acq: 18 Sep 2025 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250910



Tgt Ion: 75 Resp: 79106
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

