

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
 Data File : VX047777.D
 Acq On : 24 Sep 2025 15:44
 Operator : JC/MD
 Sample : Q3097-23DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20250912DL

Quant Time: Sep 25 01:17:08 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)

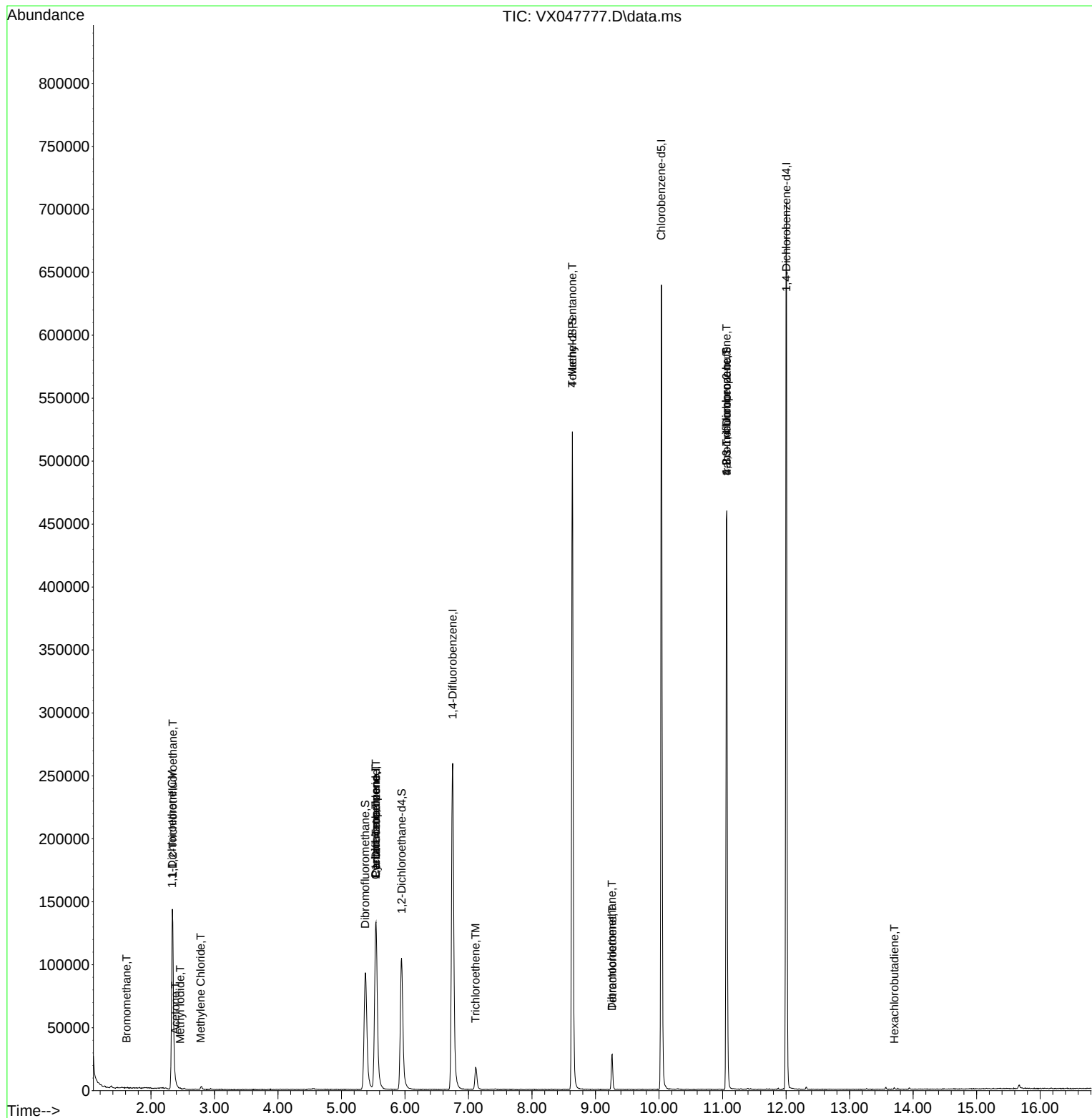
Internal Standards						
1) Pentafluorobenzene	5.544	168	133853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	286287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112208	52.665	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.320%	
35) Dibromofluoromethane	5.373	113	91965	47.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.800%	
50) Toluene-d8	8.634	98	319132	48.036	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	11.061	95	137327	54.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.940%	
Target Compounds						Qvalue
5) Bromomethane	1.617	94	257	0.227	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.343	101	67631	43.684	ug/l	98
10) Methyl Iodide	2.459	142	540	0.224	ug/l #	38
12) 1,1-Dichloroethene	2.331	96	431	0.271	ug/l #	47
16) Acetone	2.386	43	873	0.942	ug/l	94
20) Methylene Chloride	2.782	84	1248	0.636	ug/l #	74
31) Cyclohexane	5.537	56	3153	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	11190	3.988	ug/l #	51
38) Carbon Tetrachloride	5.544	117	14046	4.608	ug/l #	18
44) Trichloroethene	7.110	130	8324	4.041	ug/l	92
51) 4-Methyl-2-Pentanone	8.634	43	1422	0.521	ug/l #	1
60) Dibromochloromethane	9.256	129	5670	2.431	ug/l #	11
64) Tetrachloroethene	9.262	164	5711	3.011	ug/l	92
76) 1,2,3-Trichloropropane	11.061	75	71718	23.840	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	71718	60.795	ug/l #	8
94) Hexachlorobutadiene	13.707	225	267	0.246	ug/l	91

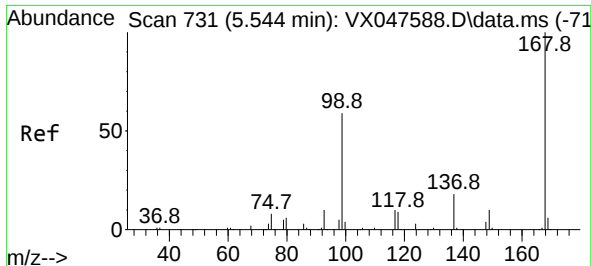
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
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Sample : Q3097-23DL 10X
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

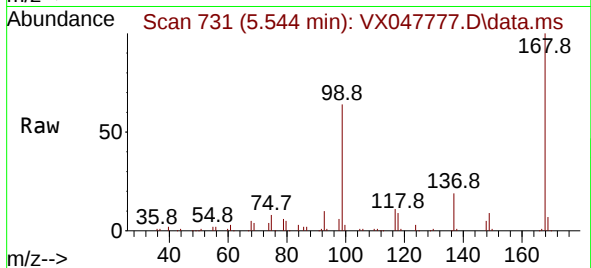
Quant Time: Sep 25 01:17:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



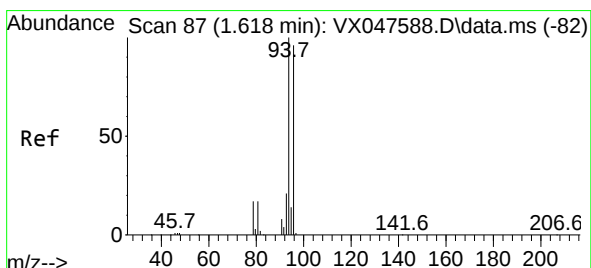
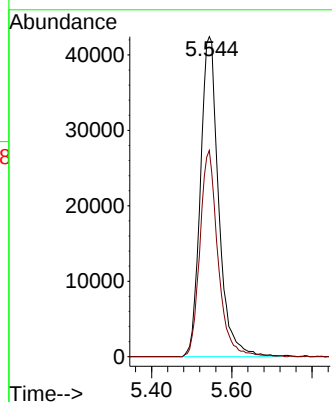
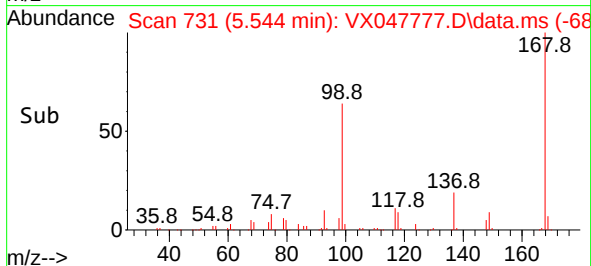


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

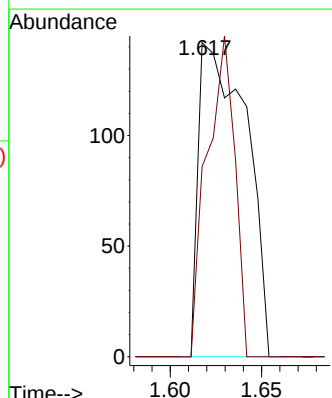
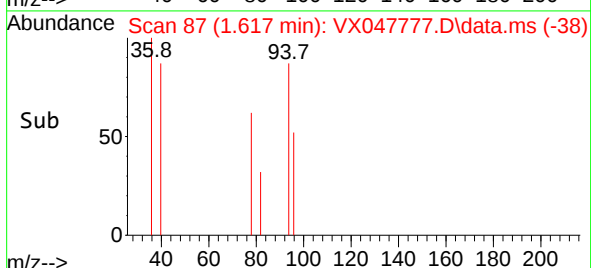
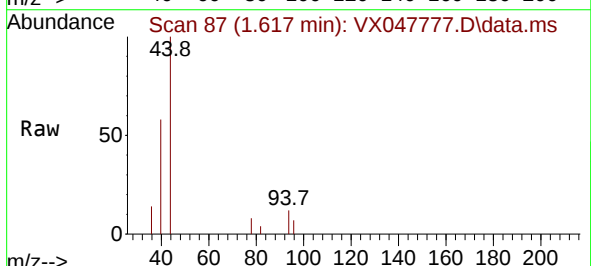


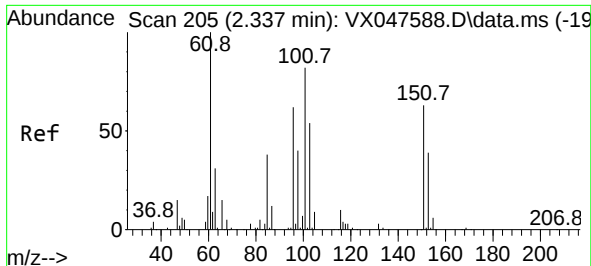
Tgt Ion:168 Resp: 133853
Ion Ratio Lower Upper
168 100
99 64.5 48.8 73.2



#5
Bromomethane
Concen: 0.227 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion: 94 Resp: 257
Ion Ratio Lower Upper
94 100
96 60.6 76.6 115.0#

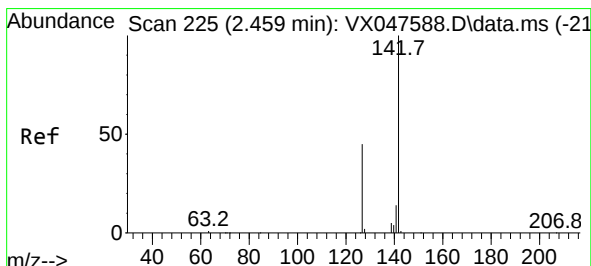
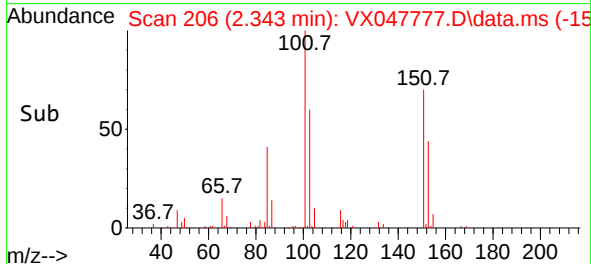
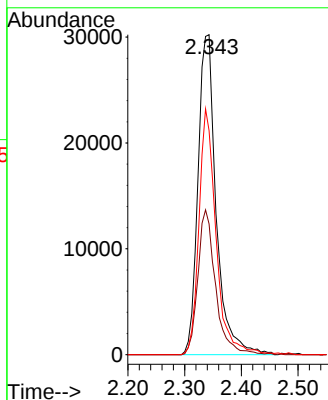
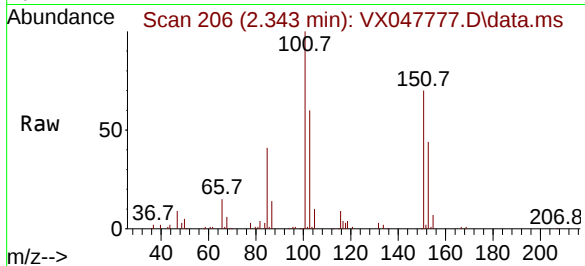




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.684 ug/l
RT: 2.343 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

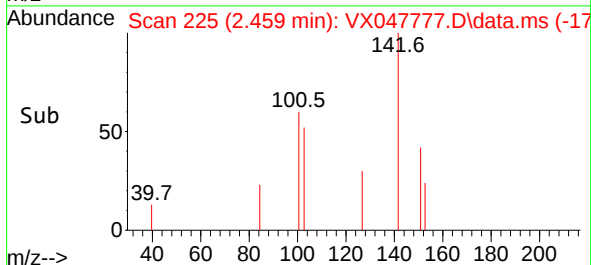
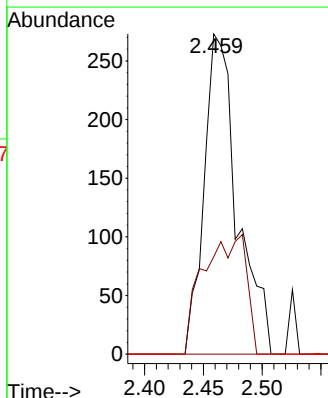
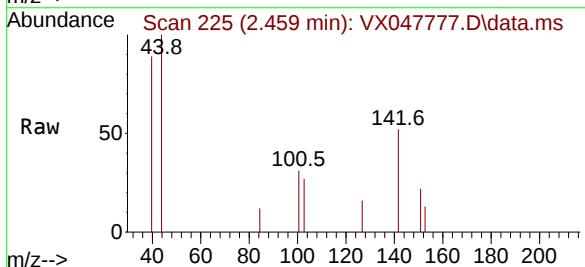
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

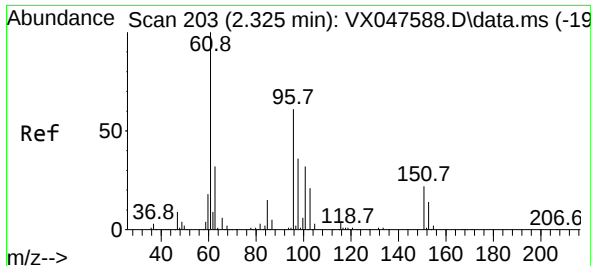
Tgt Ion:101 Resp: 67631
Ion Ratio Lower Upper
101 100
85 44.0 35.5 53.3
151 72.3 59.4 89.0



#10
Methyl Iodide
Concen: 0.224 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion:142 Resp: 540
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 0.271 ug/l

RT: 2.331 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047777.D

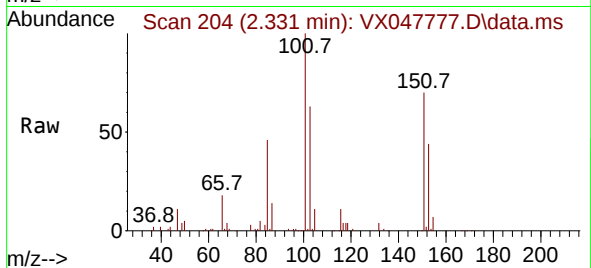
Acq: 24 Sep 2025 15:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20250912DL



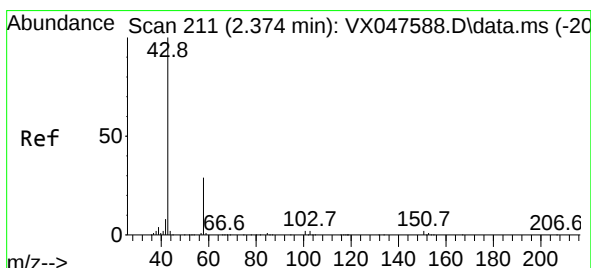
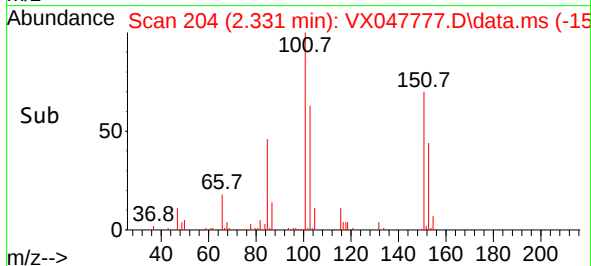
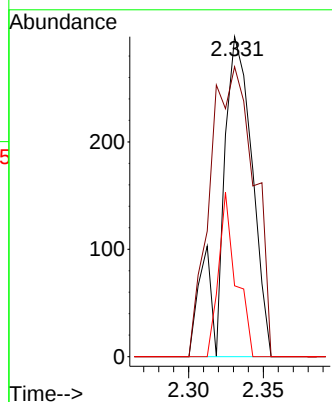
Tgt Ion: 96 Resp: 431

Ion Ratio Lower Upper

96 100

61 90.6 131.0 196.6#

98 22.1 47.7 71.5#



#16

Acetone

Concen: 0.942 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX047777.D

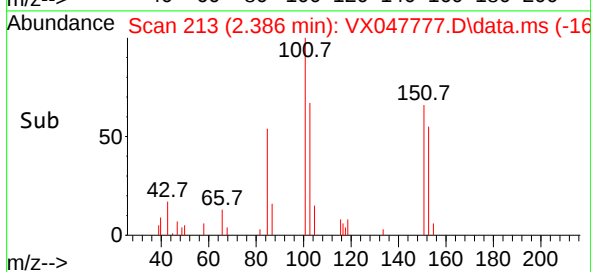
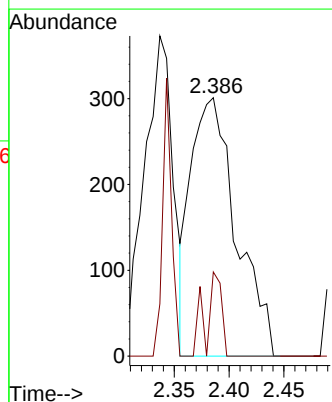
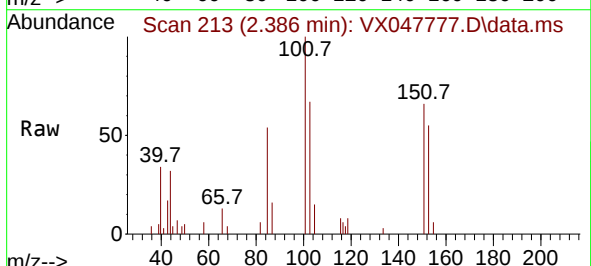
Acq: 24 Sep 2025 15:44

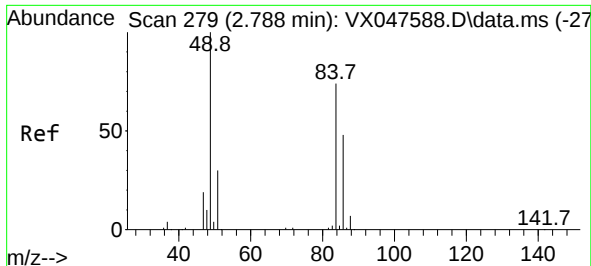
Tgt Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

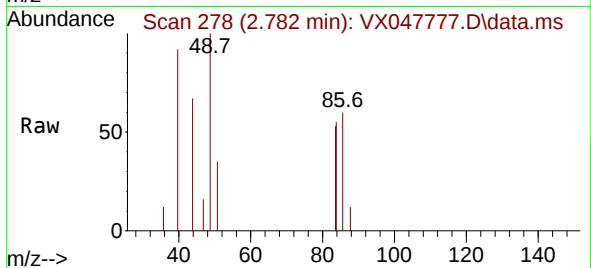
58 32.6 23.4 35.0



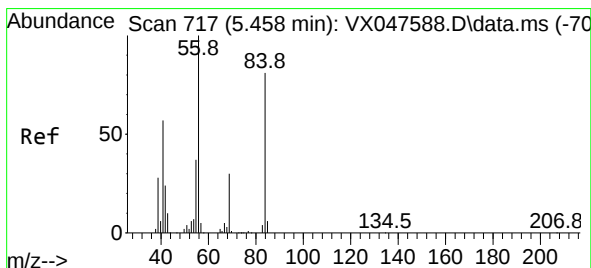
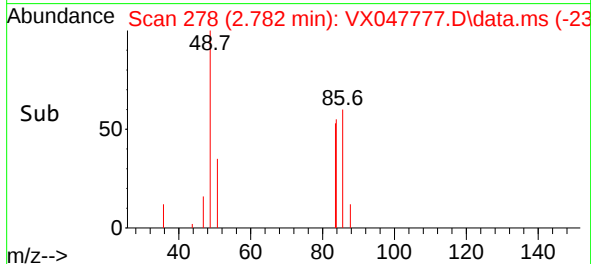
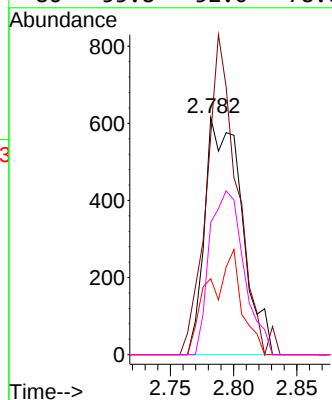


#20
Methylene Chloride
Concen: 0.636 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

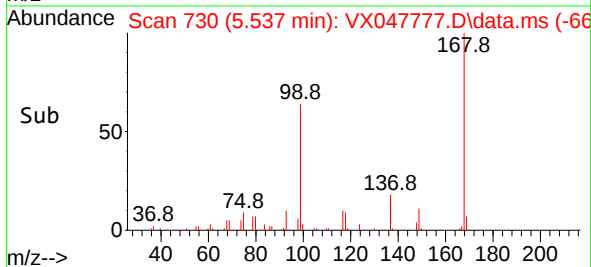
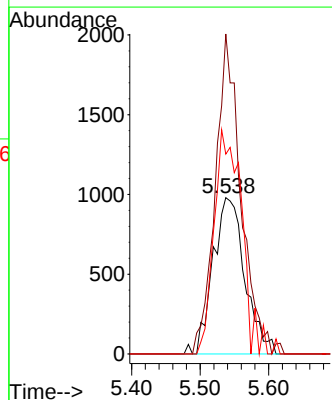
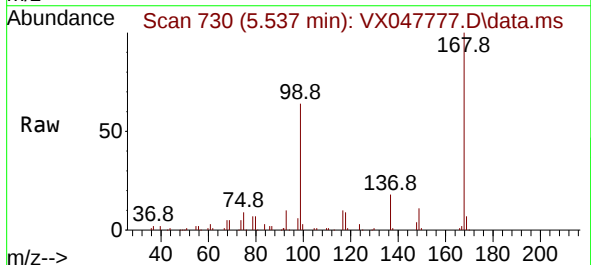


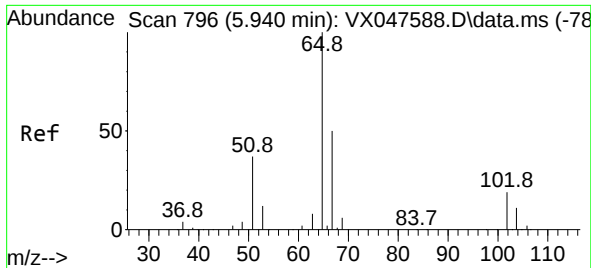
Tgt Ion:	84	Resp:	1248
Ion	Ratio	Lower	Upper
84	100		
49	92.5	108.6	162.8#
51	32.0	32.6	48.8#
86	55.8	52.0	78.0



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion:	56	Resp:	3153
Ion	Ratio	Lower	Upper
56	100		
69	192.1	23.8	35.8#
84	120.0	64.6	97.0#

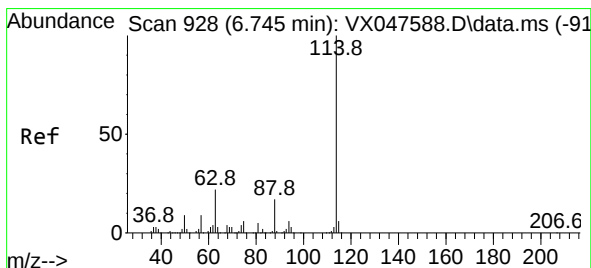
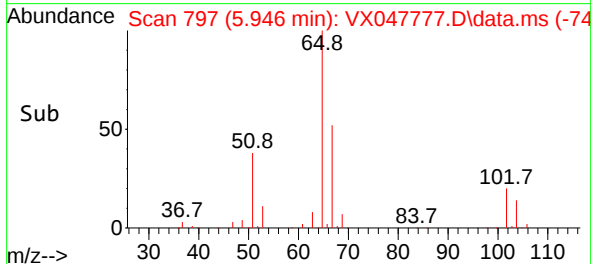
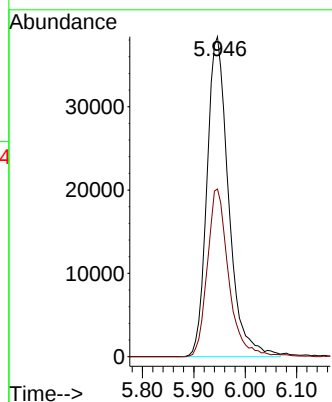
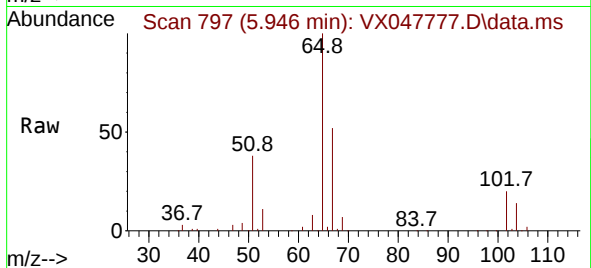




#33
 1,2-Dichloroethane-d4
 Concen: 52.665 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX047777.D
 Acq: 24 Sep 2025 15:44

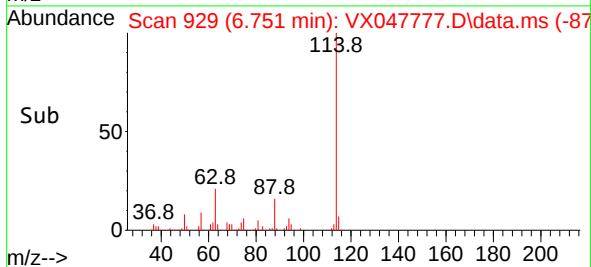
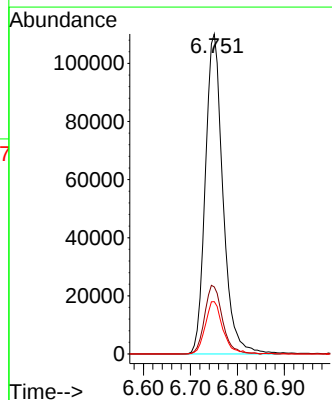
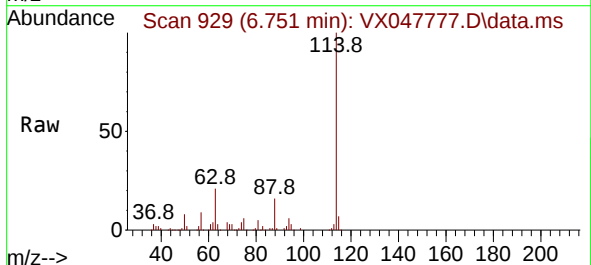
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20250912DL

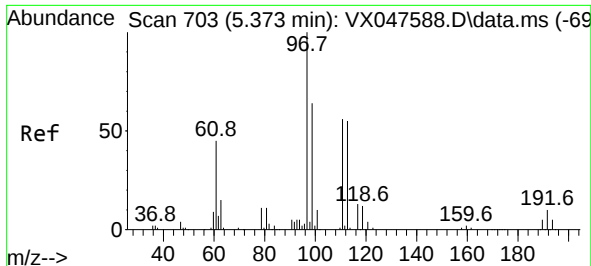
Tgt Ion: 65 Resp: 112208
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047777.D
 Acq: 24 Sep 2025 15:44

Tgt Ion: 114 Resp: 286287
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.0
 88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.899 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.000 min

Lab File: VX047777.D

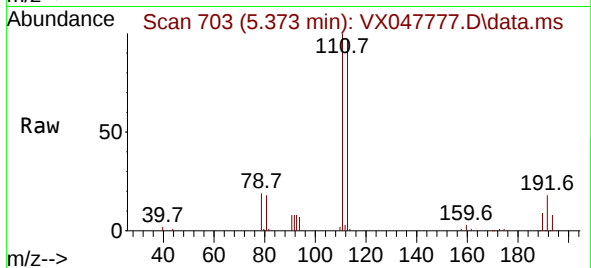
Acq: 24 Sep 2025 15:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20250912DL



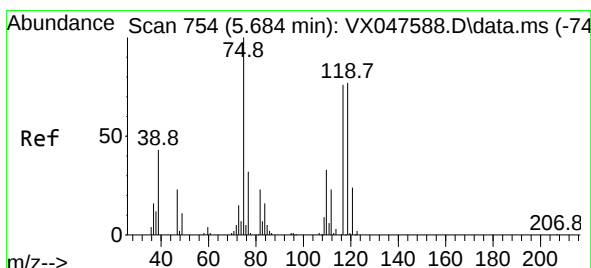
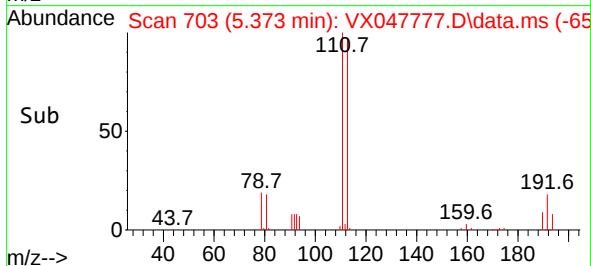
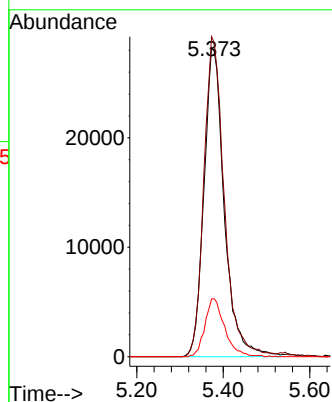
Tgt Ion:113 Resp: 91965

Ion Ratio Lower Upper

113 100

111 103.9 80.9 121.3

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 3.988 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.147 min

Lab File: VX047777.D

Acq: 24 Sep 2025 15:44

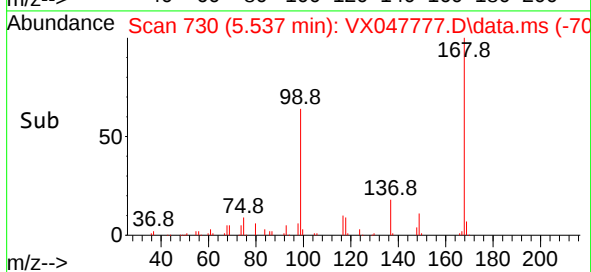
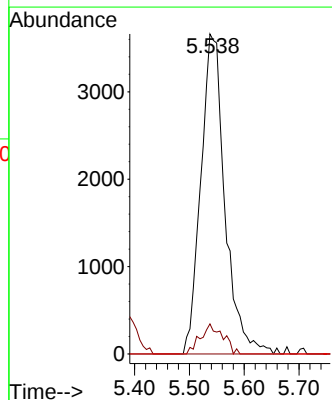
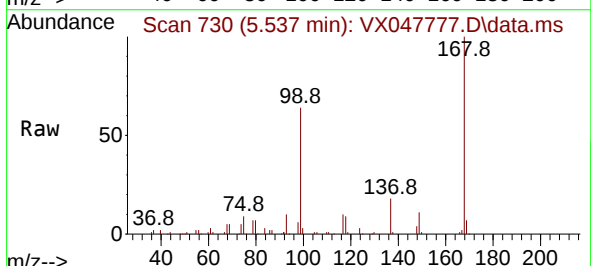
Tgt Ion: 75 Resp: 11190

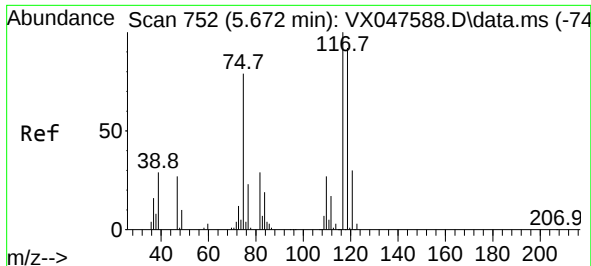
Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

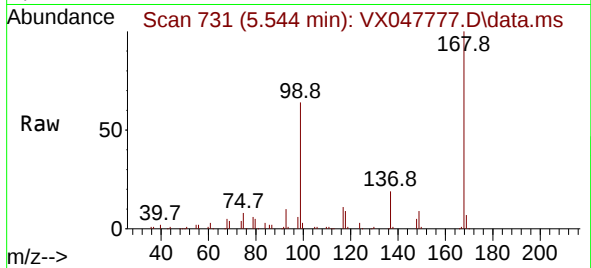
77 0.0 24.3 36.5#



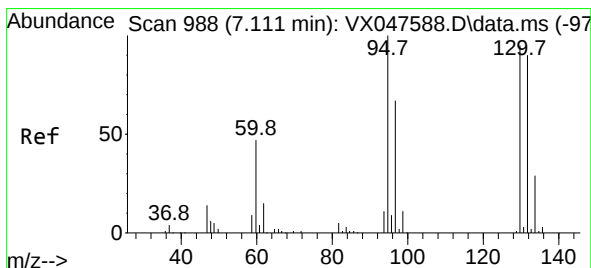
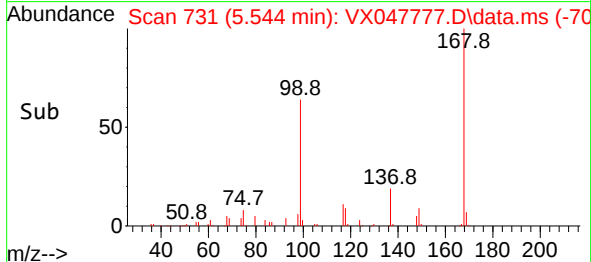
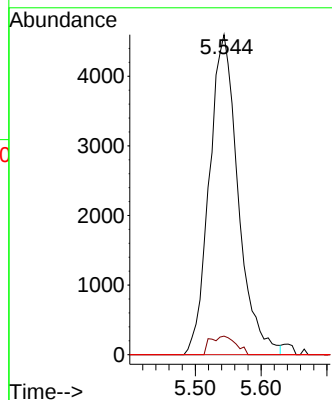


#38
Carbon Tetrachloride
Concen: 4.608 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

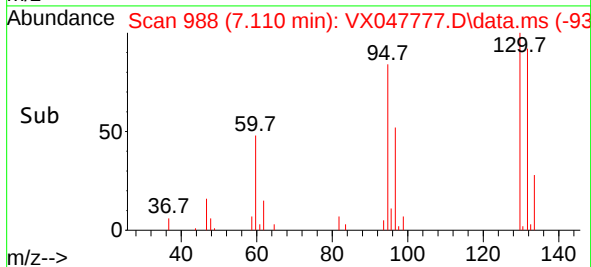
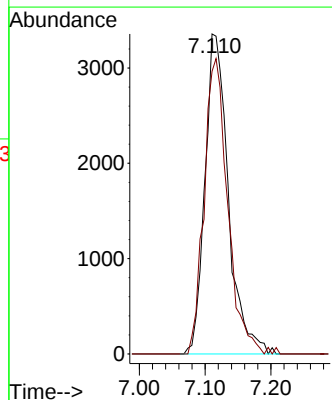
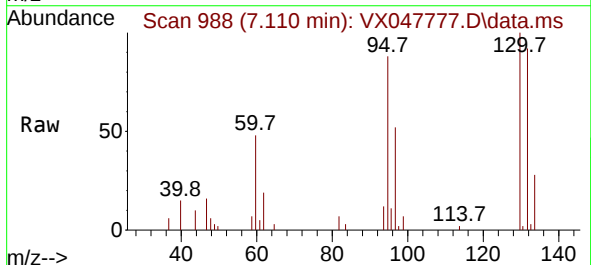


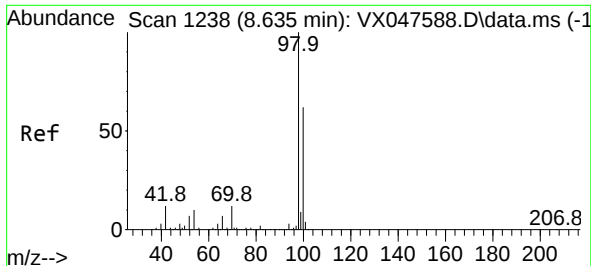
Tgt Ion:117 Resp: 14046
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 4.041 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion:130 Resp: 8324
Ion Ratio Lower Upper
130 100
95 97.3 0.0 210.8

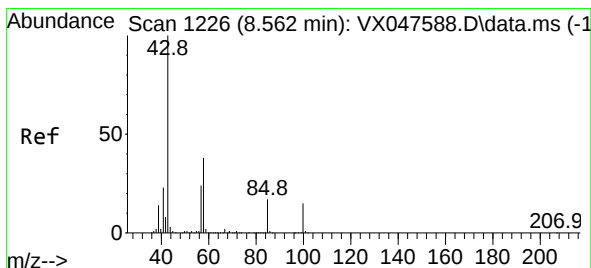
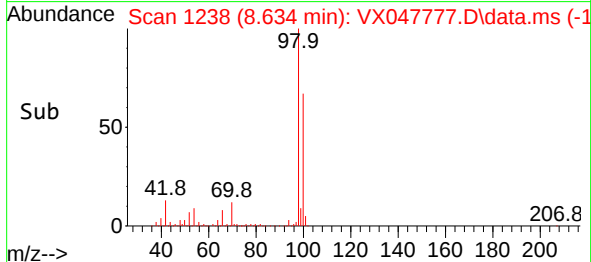
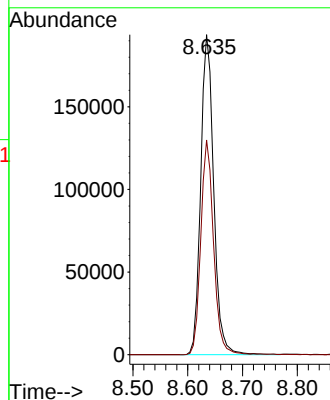
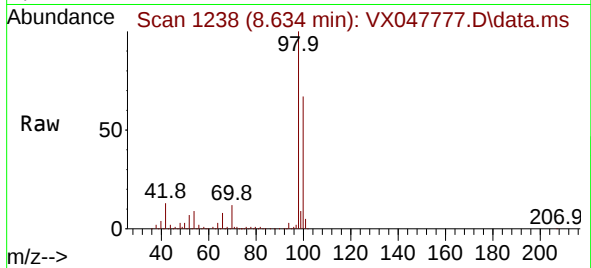




#50
Toluene-d8
Concen: 48.036 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

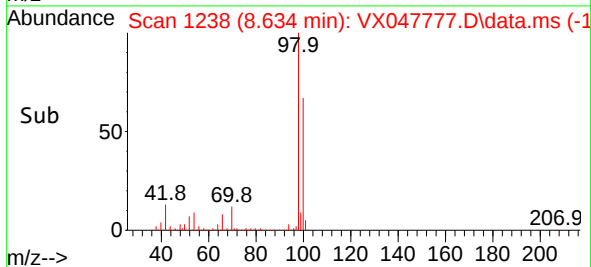
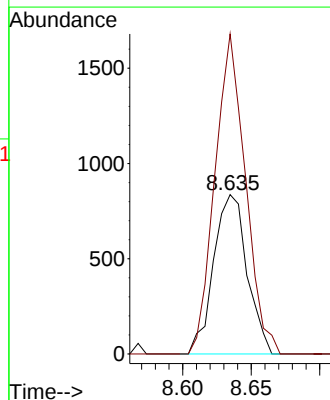
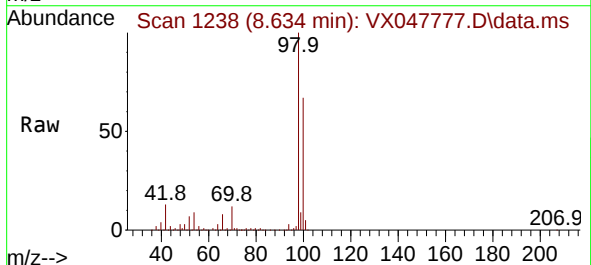
Instrument : MSVOA_X
ClientSampleId : RE134D4-20250912DL

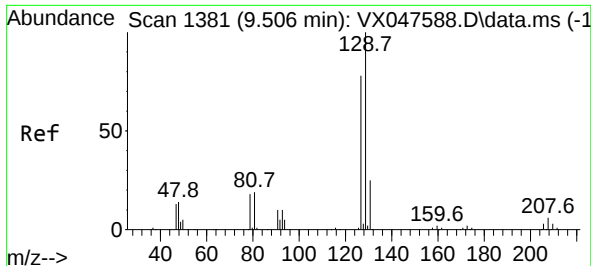
Tgt Ion: 98 Resp: 319132
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
58 183.1 30.3 45.5#

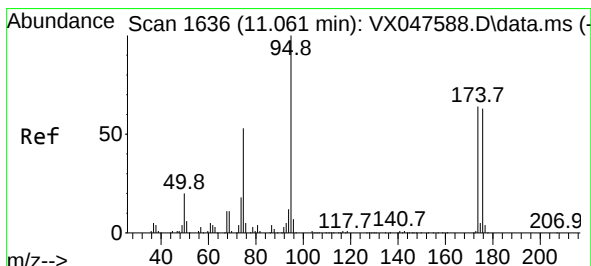
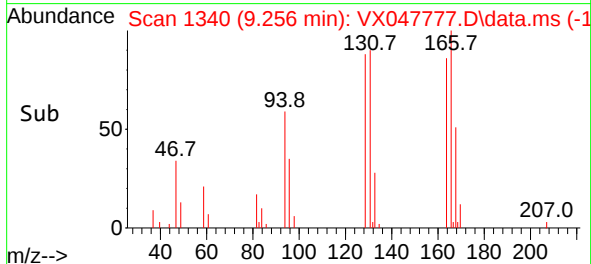
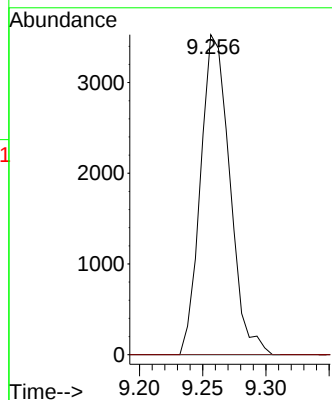
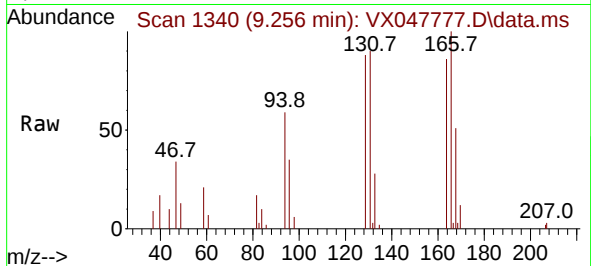




#60
Dibromochloromethane
Concen: 2.431 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

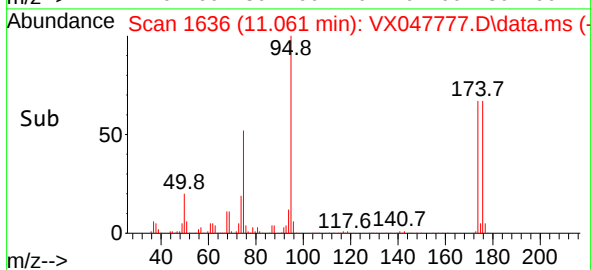
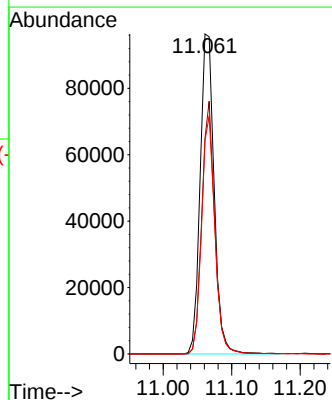
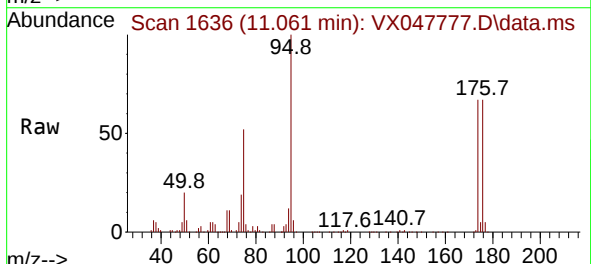
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

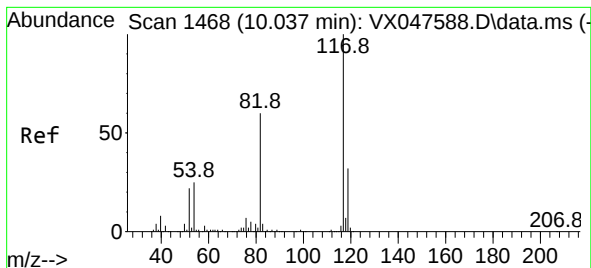
Tgt Ion:129 Resp: 5670
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.466 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion: 95 Resp: 137327
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 70.4 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: VX047777.D

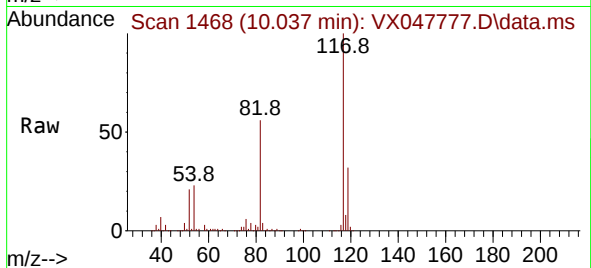
Acq: 24 Sep 2025 15:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20250912DL



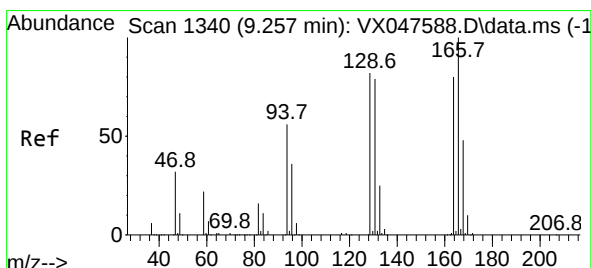
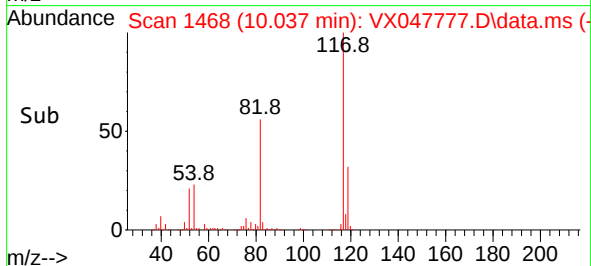
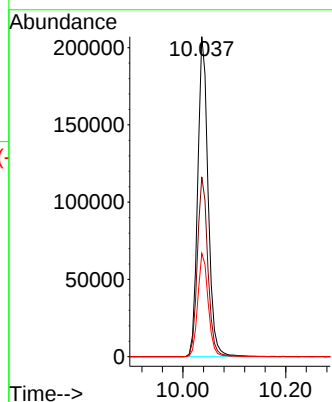
Tgt Ion:117 Resp: 290978

Ion Ratio Lower Upper

117 100

82 56.2 47.8 71.6

119 32.3 25.2 37.8



#64

Tetrachloroethene

Concen: 3.011 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047777.D

Acq: 24 Sep 2025 15:44

Tgt Ion:164 Resp: 5711

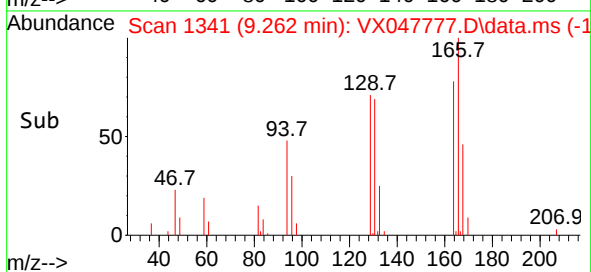
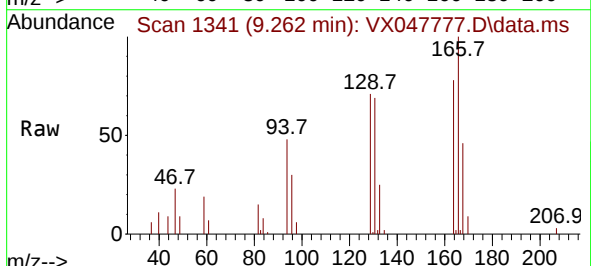
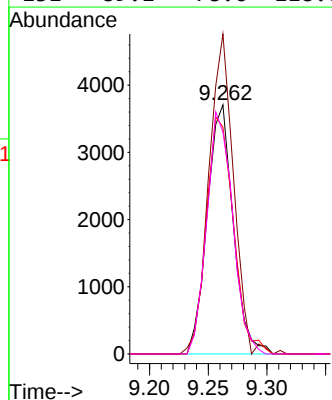
Ion Ratio Lower Upper

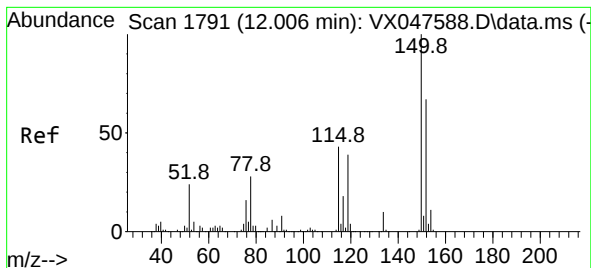
164 100

166 131.6 100.2 150.2

129 91.1 81.8 122.6

131 89.1 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047777.D

Acq: 24 Sep 2025 15:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20250912DL

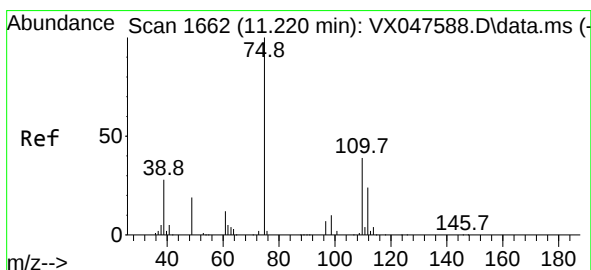
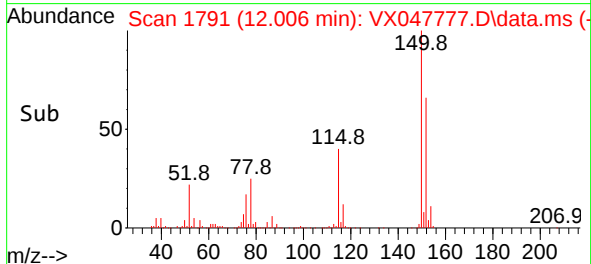
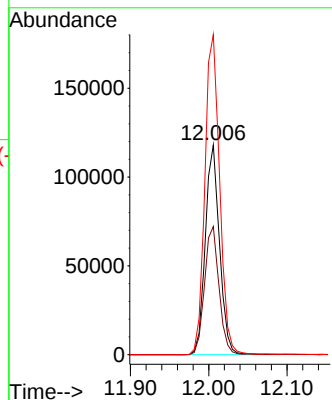
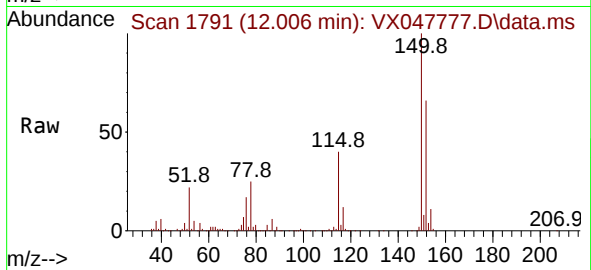
Tgt Ion:152 Resp: 148581

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 158.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.840 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047777.D

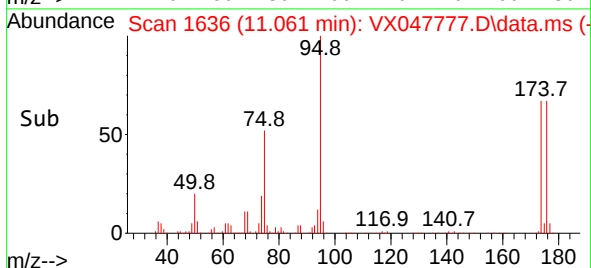
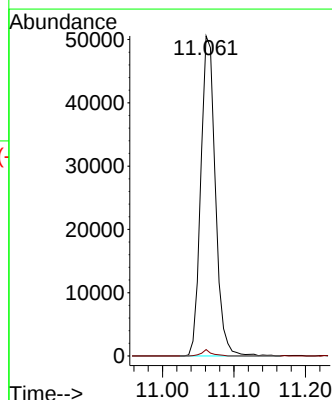
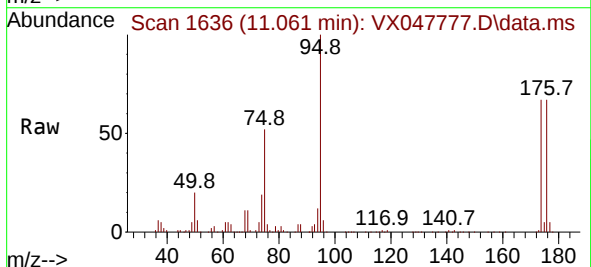
Acq: 24 Sep 2025 15:44

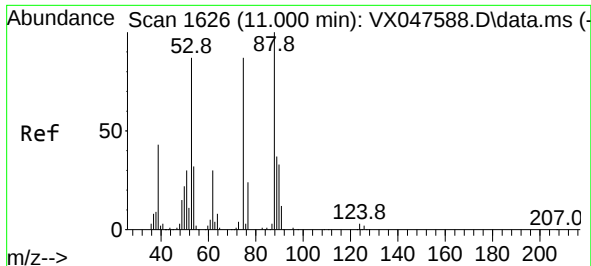
Tgt Ion: 75 Resp: 71718

Ion Ratio Lower Upper

75 100

77 1.4 18.8 56.4#

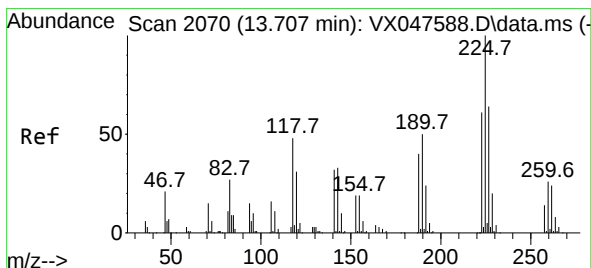
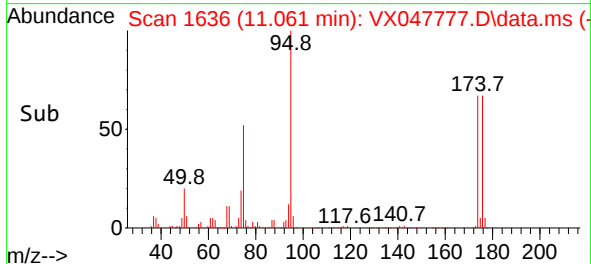
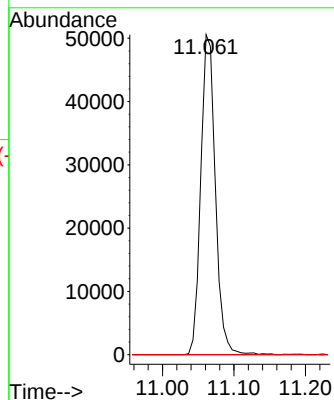
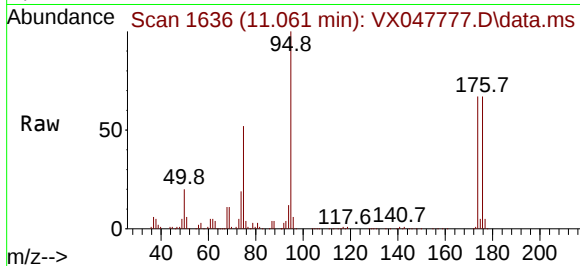




#81
trans-1,4-Dichloro-2-butene
Concen: 60.795 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912DL

Tgt Ion: 75 Resp: 71718
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.246 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047777.D
Acq: 24 Sep 2025 15:44

Tgt Ion: 225 Resp: 267
Ion Ratio Lower Upper
225 100
223 54.7 31.7 95.1
227 58.1 32.0 96.0

