

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
 Data File : VX047775.D
 Acq On : 24 Sep 2025 15:02
 Operator : JC/MD
 Sample : Q3097-19DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20250912DL

Quant Time: Sep 25 01:16:13 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)

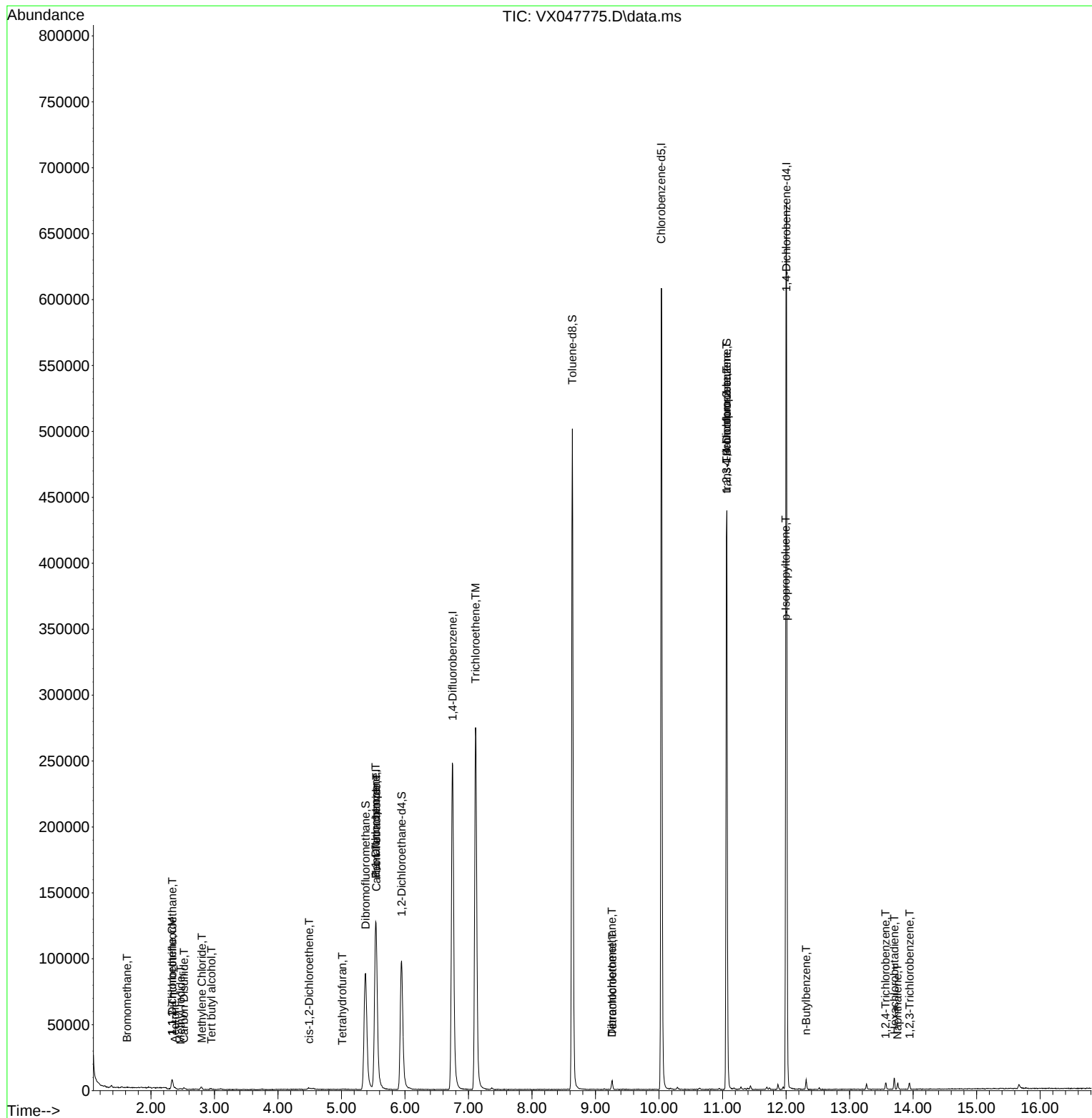
Internal Standards						
1) Pentafluorobenzene	5.544	168	131595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	275490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106994	51.079	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.160%			
35) Dibromofluoromethane	5.379	113	88232	47.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.520%			
50) Toluene-d8	8.635	98	311658	48.750	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.500%			
62) 4-Bromofluorobenzene	11.067	95	130752	53.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.780%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	239	0.215	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.337	101	2445	1.606	ug/l	98
10) Methyl Iodide	2.465	142	650	0.274	ug/l #	91
11) Tert butyl alcohol	2.953	59	67	0.287	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1110	0.710	ug/l #	74
16) Acetone	2.380	43	1061	1.165	ug/l	96
17) Carbon Disulfide	2.520	76	1349	0.315	ug/l #	74
20) Methylene Chloride	2.800	84	1025	0.532	ug/l #	76
27) cis-1,2-Dichloroethene	4.489	96	859	0.417	ug/l #	55
29) Tetrahydrofuran	5.013	42	236	0.345	ug/l #	63
36) 1,1-Dichloropropene	5.538	75	10860	4.023	ug/l #	48
38) Carbon Tetrachloride	5.550	117	13881	4.732	ug/l #	17
44) Trichloroethene	7.111	130	117943	59.494	ug/l	99
60) Dibromochloromethane	9.256	129	1265	0.564	ug/l #	11
64) Tetrachloroethene	9.263	164	1176	0.647	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	67943	23.909	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	67943	60.971	ug/l #	8
86) p-Isopropyltoluene	11.994	119	1992	0.221	ug/l #	74
89) n-Butylbenzene	12.317	91	3155	0.378	ug/l	87
93) 1,2,4-Trichlorobenzene	13.567	180	1541	0.510	ug/l	98
94) Hexachlorobutadiene	13.707	225	1119	1.090	ug/l	95
95) Naphthalene	13.756	128	3305	0.359	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.945	180	1217	0.433	ug/l	89

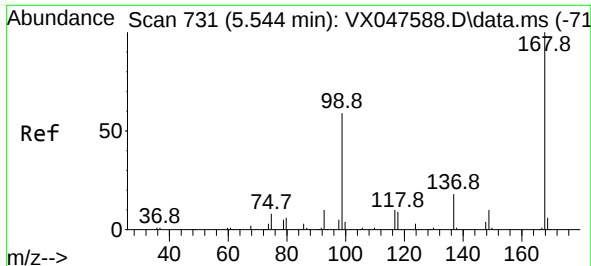
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q3097-19DL 10X
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Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

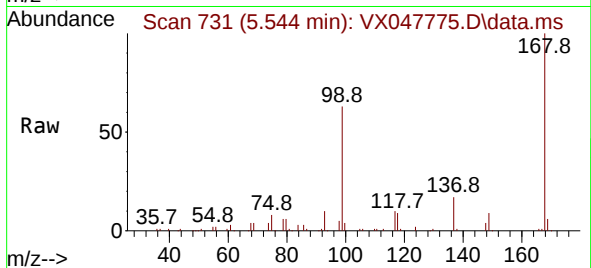
Quant Time: Sep 25 01:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



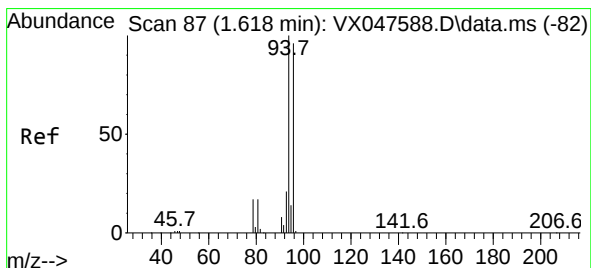
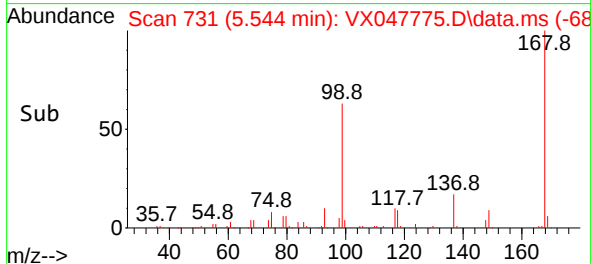
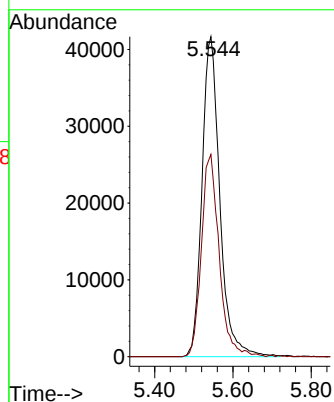


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

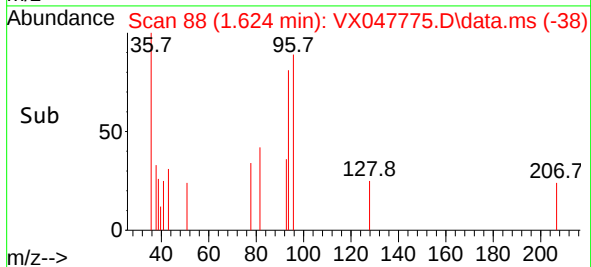
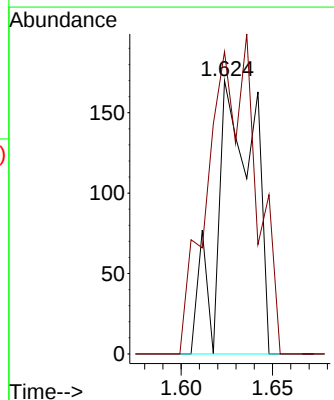
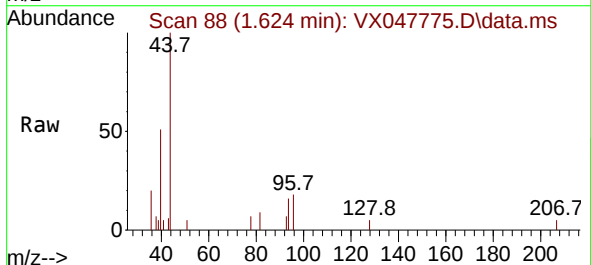


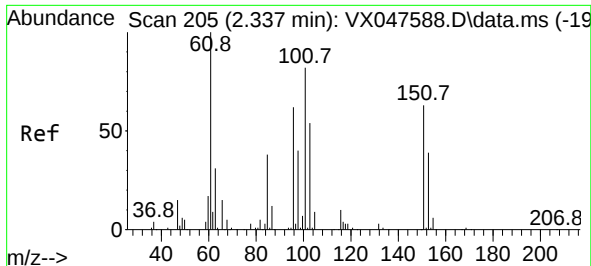
Tgt Ion:168 Resp: 131595
Ion Ratio Lower Upper
168 100
99 63.2 48.8 73.2



#5
Bromomethane
Concen: 0.215 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 110.6 76.6 115.0

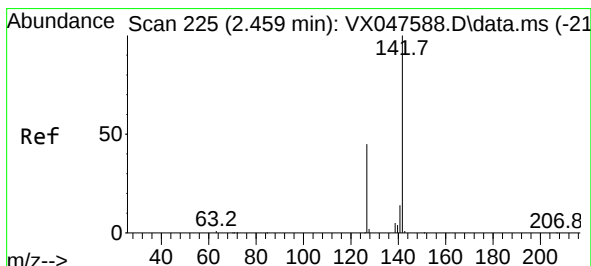
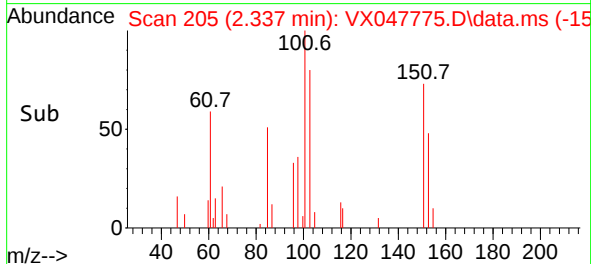
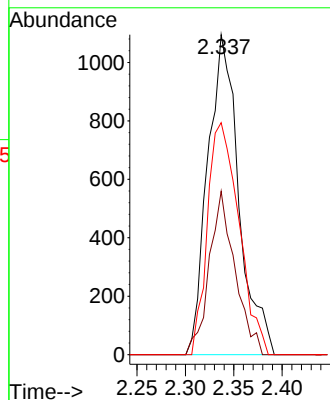
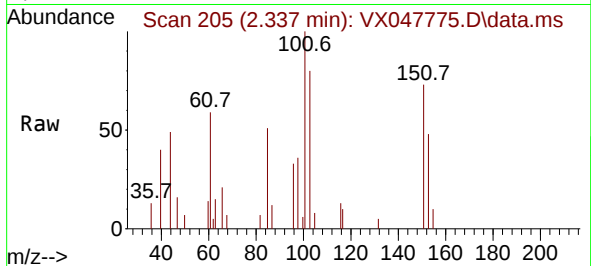




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.606 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

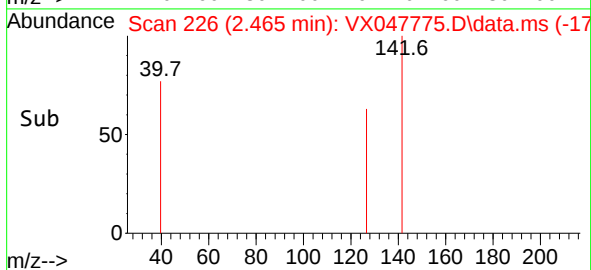
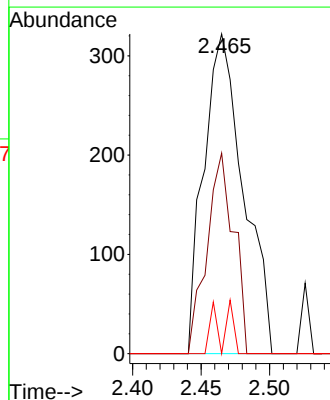
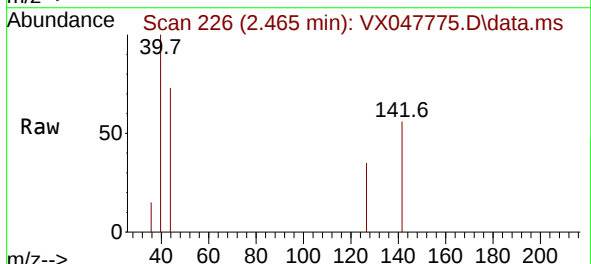
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

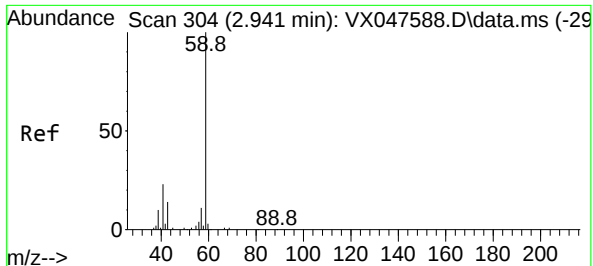
Tgt Ion:101	Resp:	2445
Ion	Ratio	Lower Upper
101	100	
85	42.5	35.5 53.3
151	73.7	59.4 89.0



#10
Methyl Iodide
Concen: 0.274 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion:142	Resp:	650
Ion	Ratio	Lower Upper
142	100	
127	42.5	37.2 55.8
141	6.0	11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.287 ug/l

RT: 2.953 min Scan# 304

Delta R.T. 0.012 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

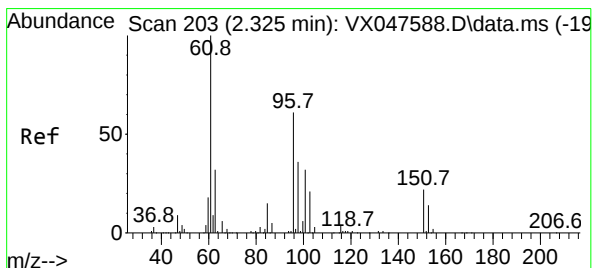
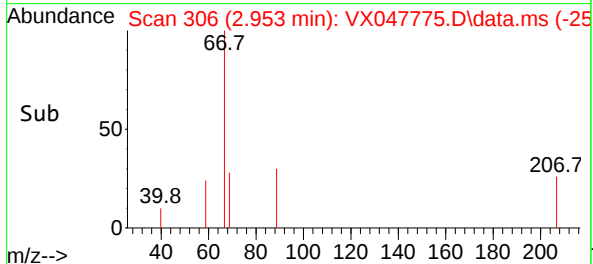
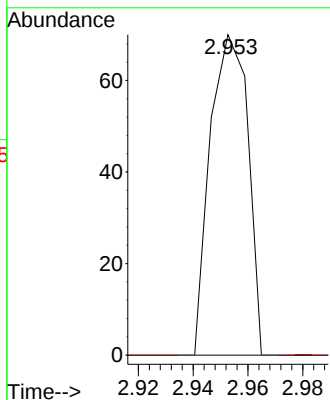
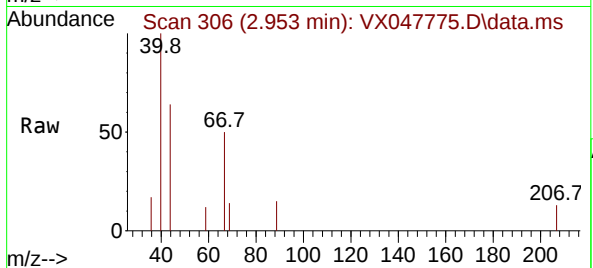
RE120D1-20250912DL

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.710 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

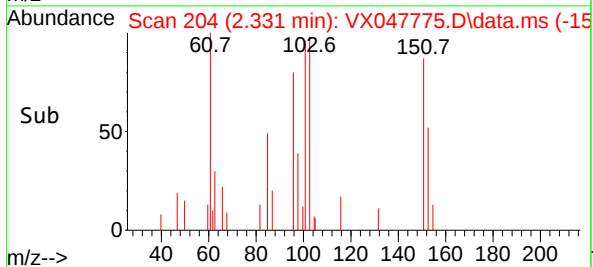
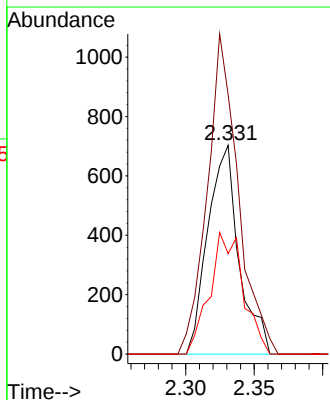
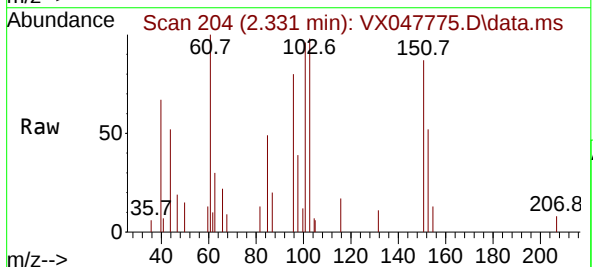
Tgt Ion: 96 Resp: 1110

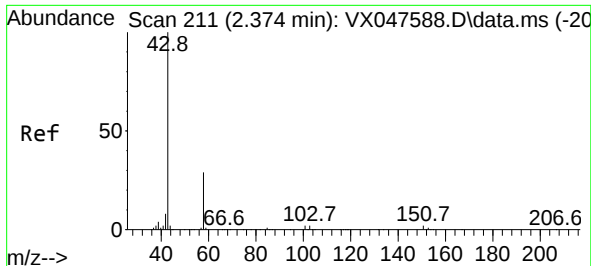
Ion Ratio Lower Upper

96 100

61 124.3 131.0 196.6#

98 48.1 47.7 71.5

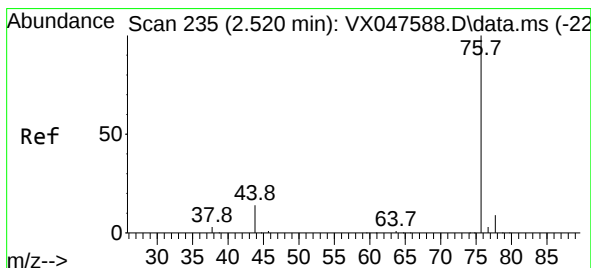
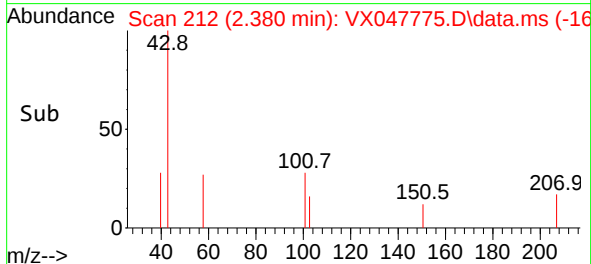
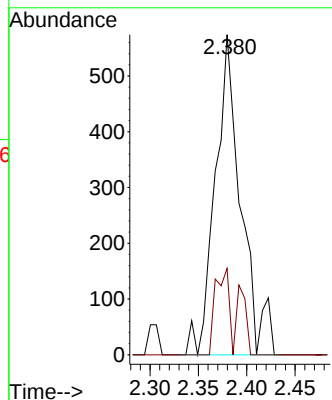
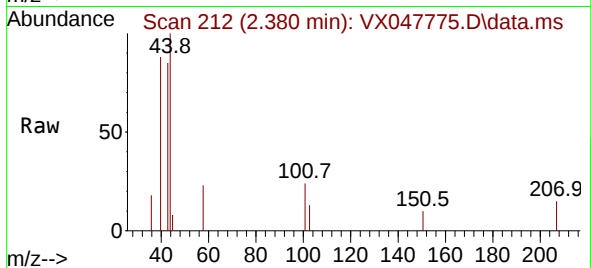




#16
Acetone
Concen: 1.165 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

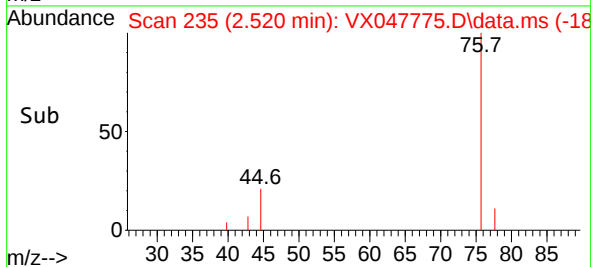
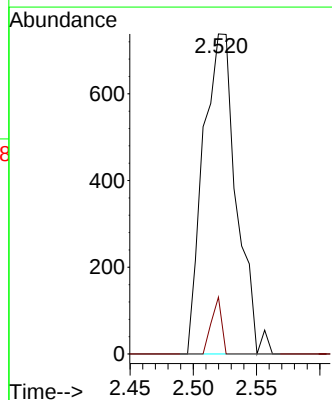
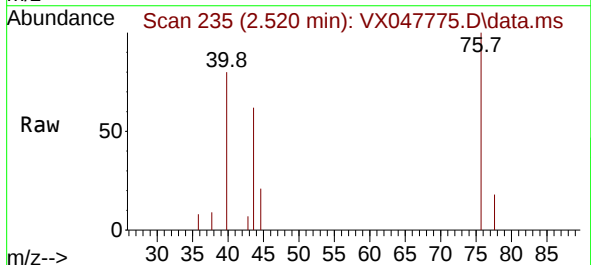
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

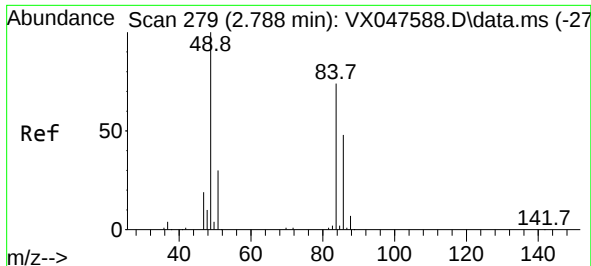
Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
58 27.0 23.4 35.0



#17
Carbon Disulfide
Concen: 0.315 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

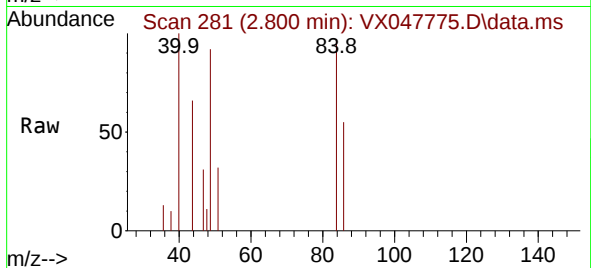
Tgt Ion: 76 Resp: 1349
Ion Ratio Lower Upper
76 100
78 17.8 6.8 10.2#



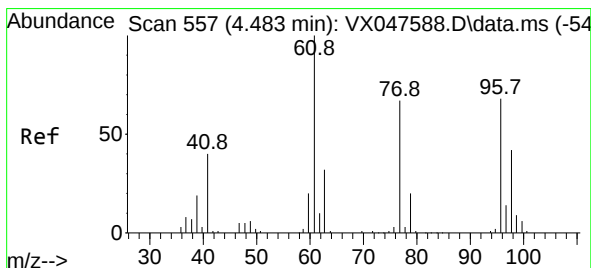
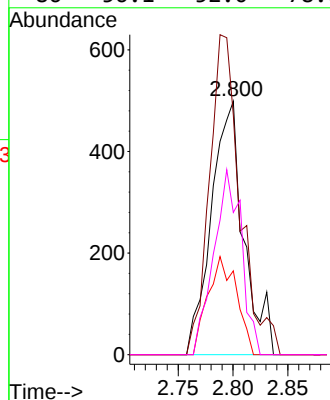
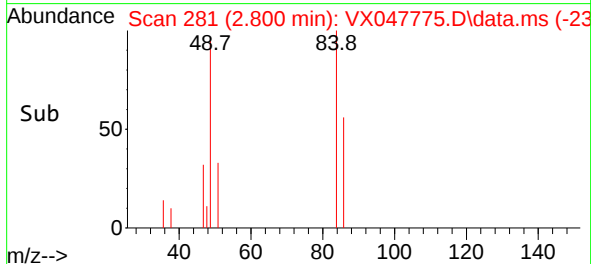


#20
Methylene Chloride
Concen: 0.532 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

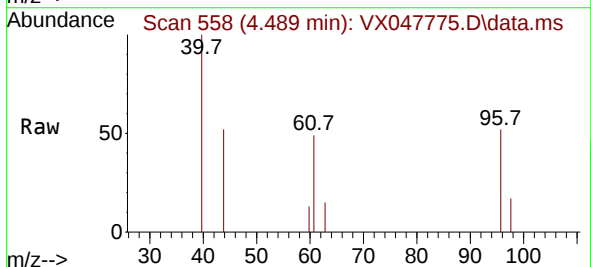
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL



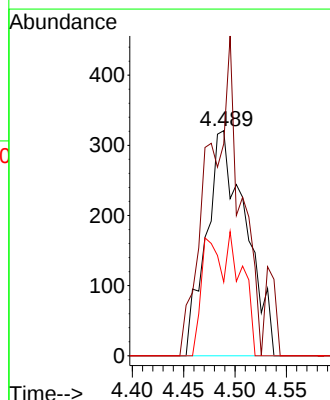
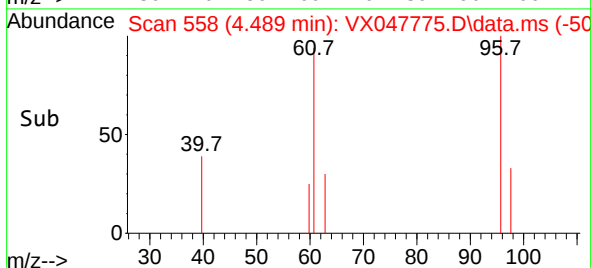
Tgt Ion: 84	Resp: 1025
Ion Ratio	Lower Upper
84	100
49	94.6 108.6 162.8#
51	33.1 32.6 48.8
86	56.1 52.0 78.0

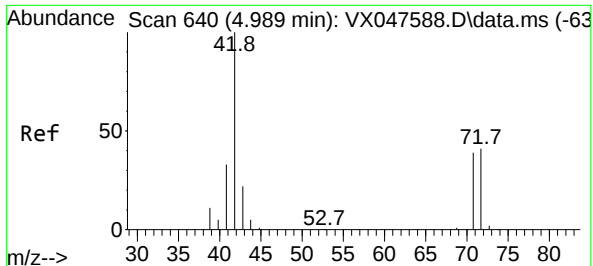


#27
cis-1,2-Dichloroethene
Concen: 0.417 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02



Tgt Ion: 96	Resp: 859
Ion Ratio	Lower Upper
96	100
61	114.7 0.0 303.2
98	0.0 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20250912DL

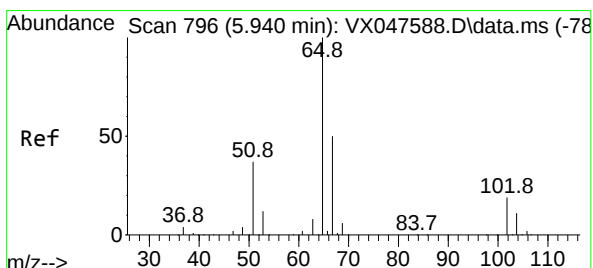
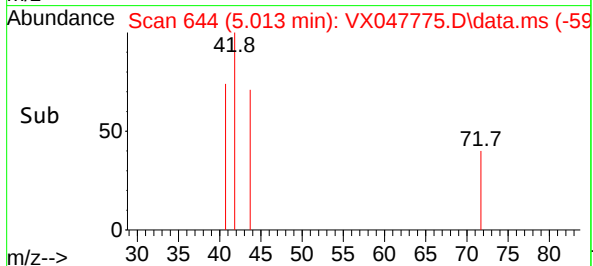
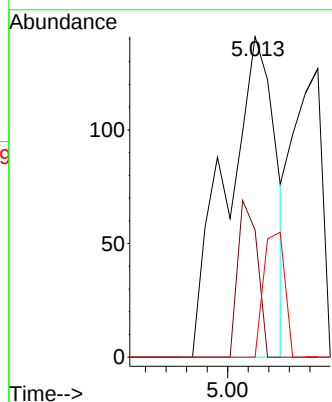
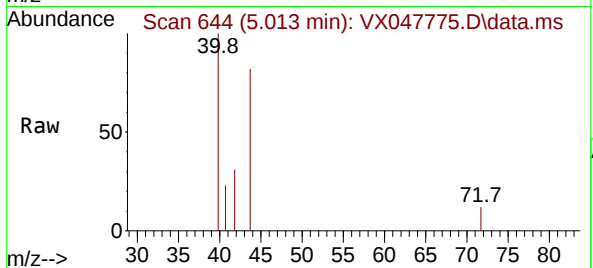
Tgt Ion: 42 Resp: 236

Ion Ratio Lower Upper

42 100

72 19.5 34.2 51.2#

71 16.5 31.9 47.9#



#33

1,2-Dichloroethane-d4

Concen: 51.079 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047775.D

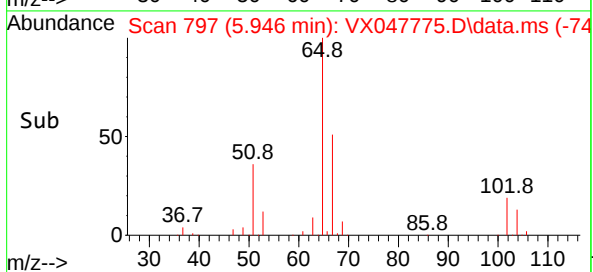
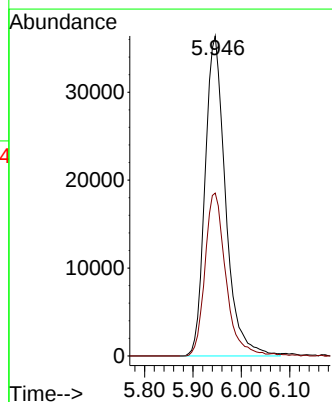
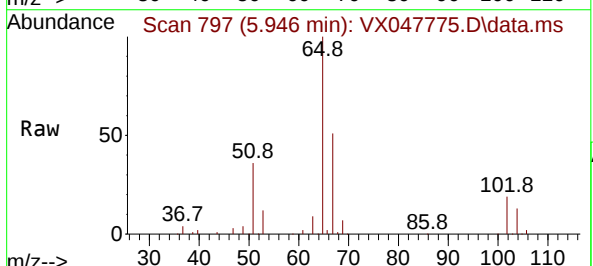
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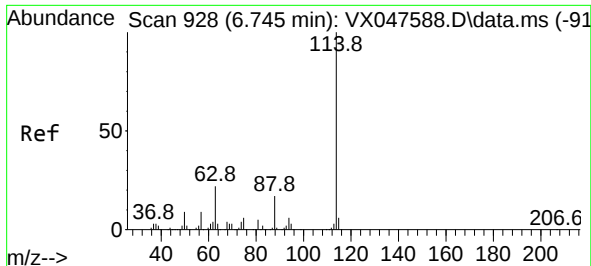
Tgt Ion: 65 Resp: 106994

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0

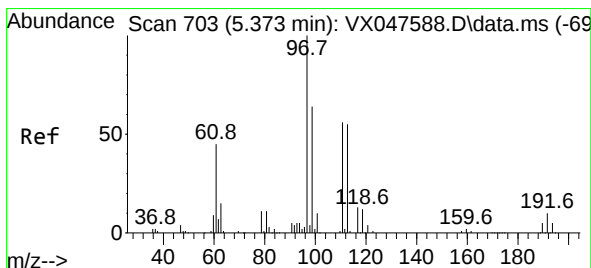
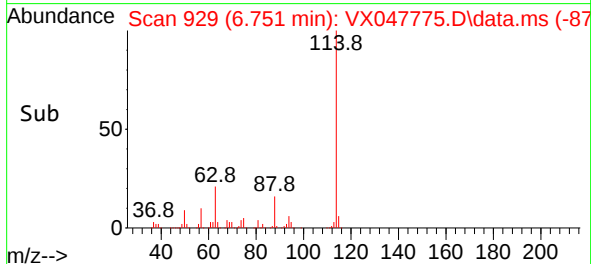
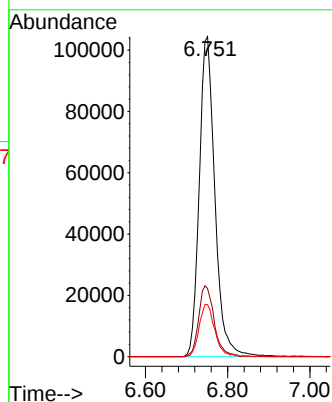
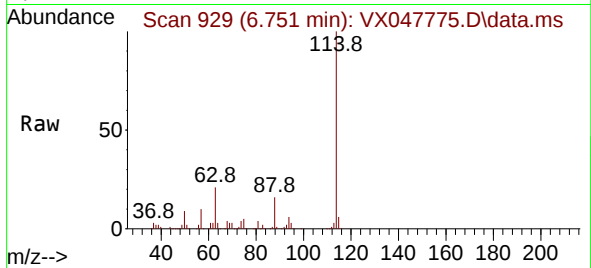




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

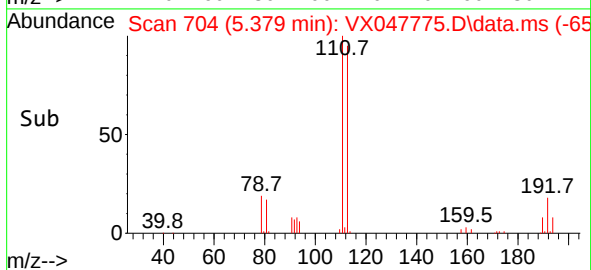
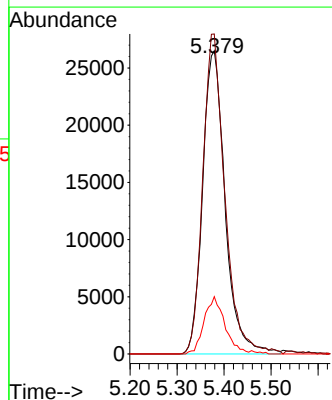
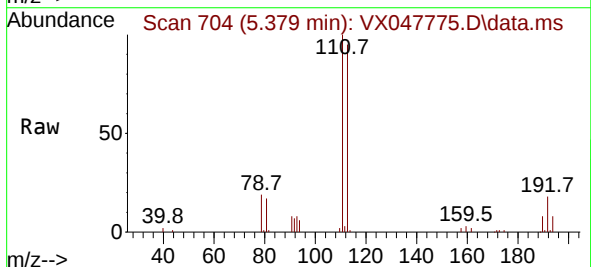
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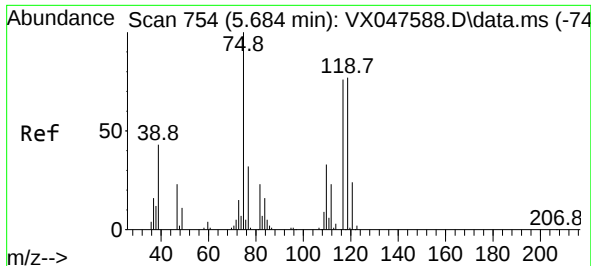
Tgt Ion:114 Resp: 275490
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.755 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion:113 Resp: 88232
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.4 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.023 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047775.D

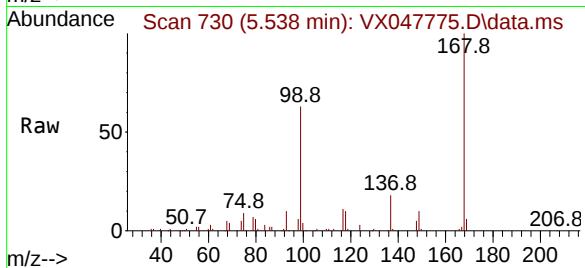
Acq: 24 Sep 2025 15:02

Instrument :

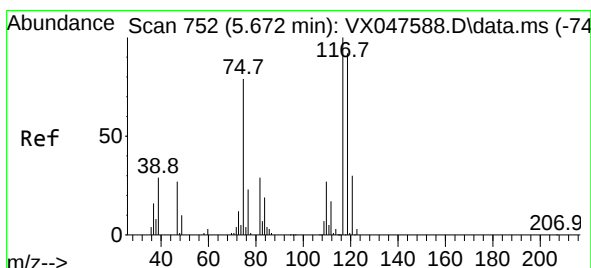
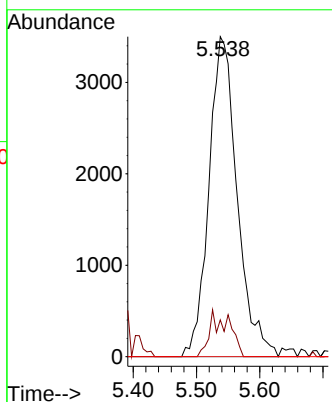
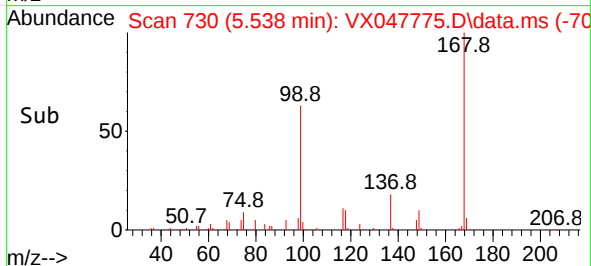
MSVOA_X

ClientSampleId :

RE120D1-20250912DL



Tgt Ion:	75	Resp:	10860
Ion	Ratio	Lower	Upper
75	100		
110	6.2	16.7	50.1#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 4.732 ug/l

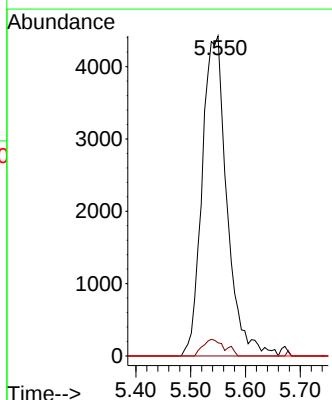
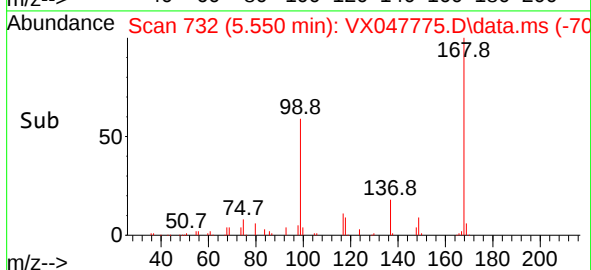
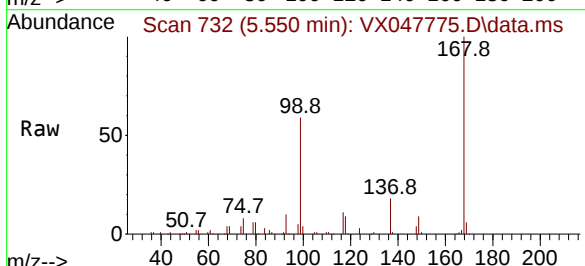
RT: 5.550 min Scan# 732

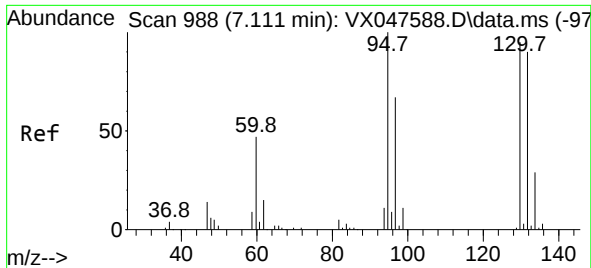
Delta R.T. -0.122 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

Tgt Ion:	117	Resp:	13881
Ion	Ratio	Lower	Upper
117	100		
119	4.1	73.4	110.2#
121	0.0	23.8	35.6#

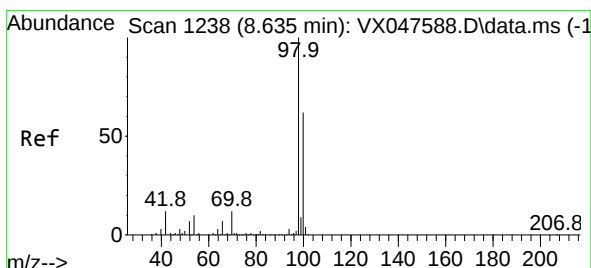
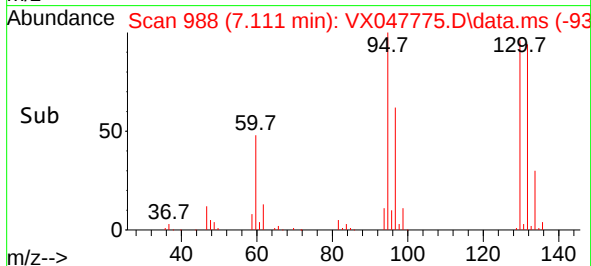
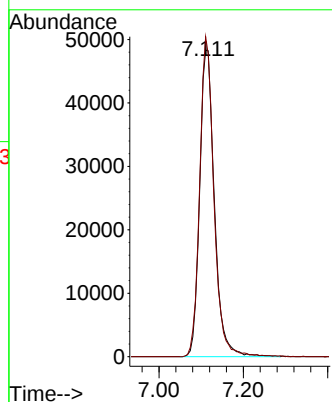
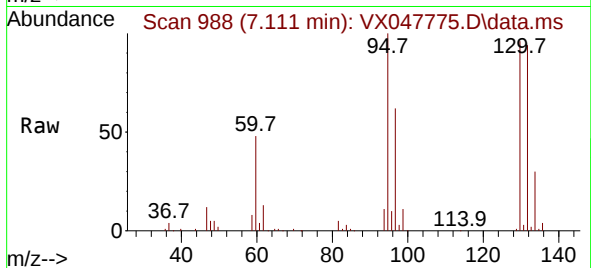




#44
Trichloroethene
Concen: 59.494 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

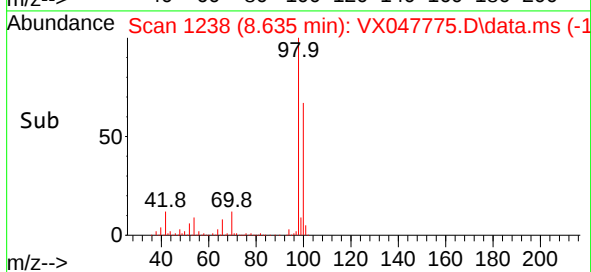
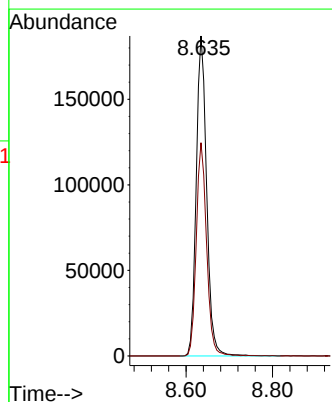
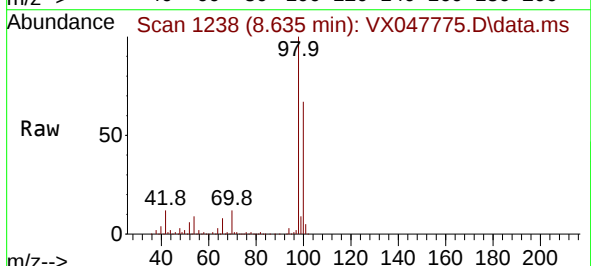
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

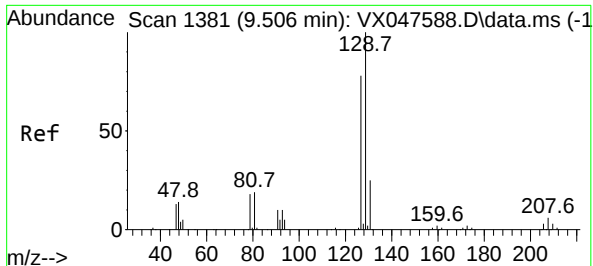
Tgt Ion:130 Resp: 117943
Ion Ratio Lower Upper
130 100
95 104.4 0.0 210.8



#50
Toluene-d8
Concen: 48.750 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion: 98 Resp: 311658
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

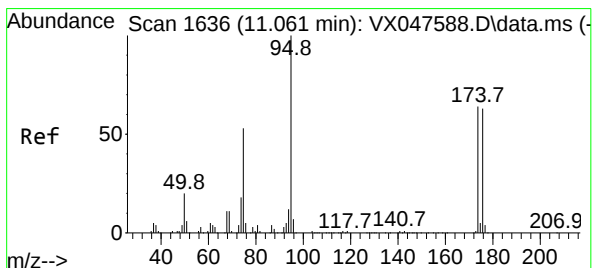
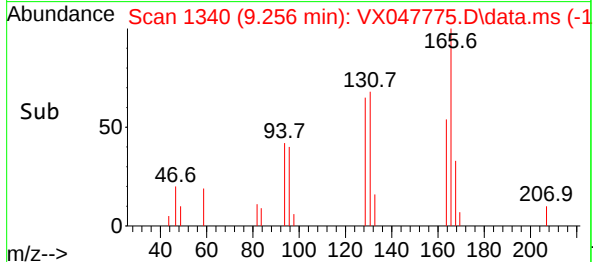
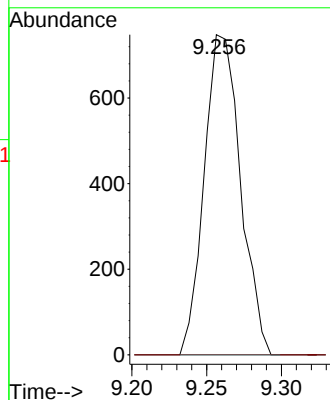
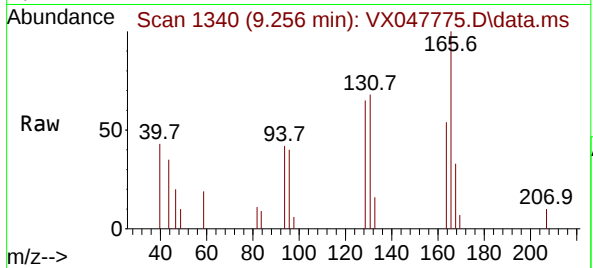




#60
Dibromochloromethane
Concen: 0.564 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

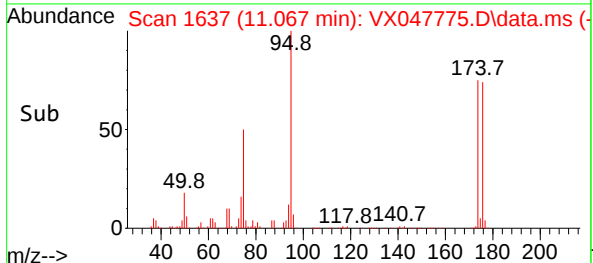
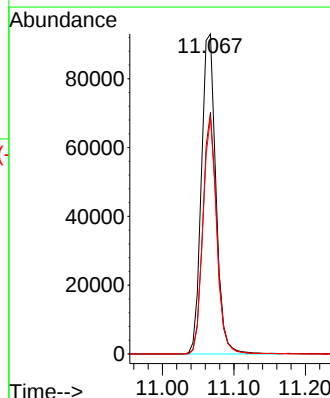
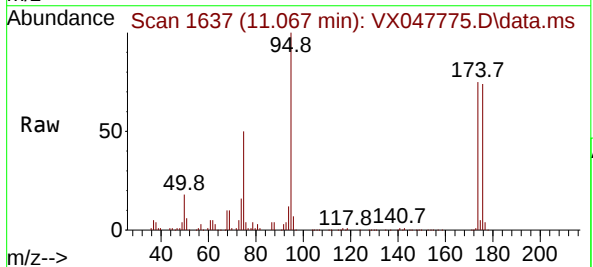
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

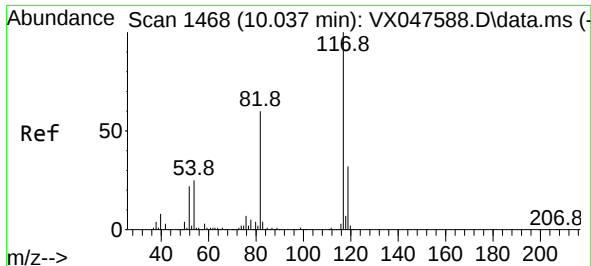
Tgt Ion:129 Resp: 1265
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.890 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion: 95 Resp: 130752
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 70.5 0.0 138.4

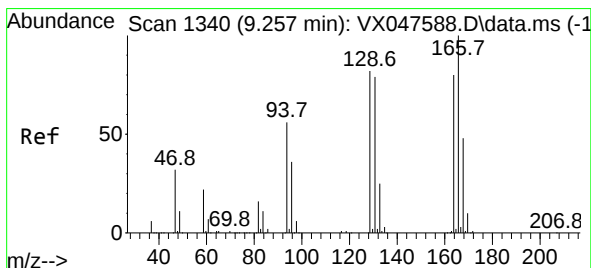
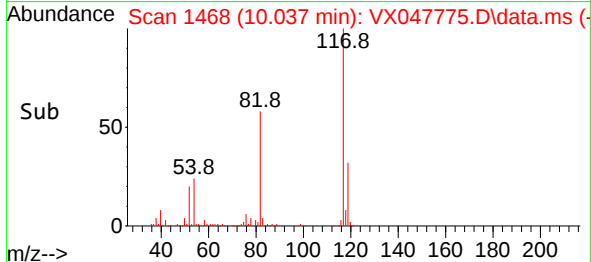
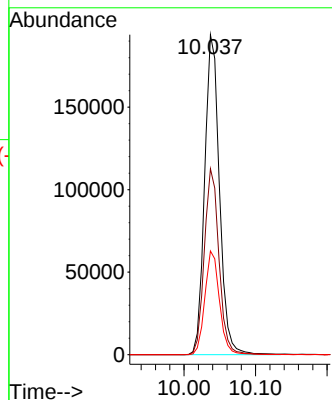
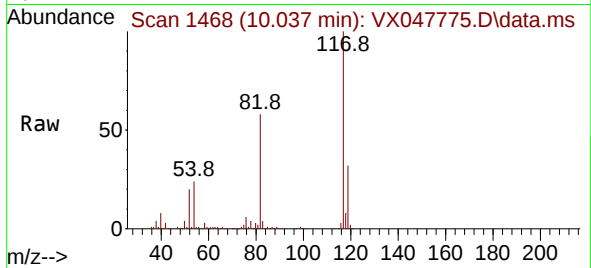




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

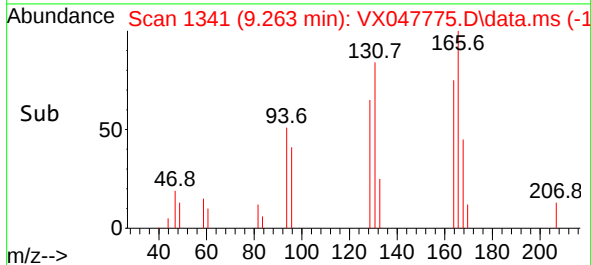
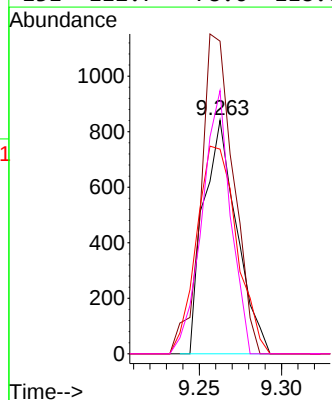
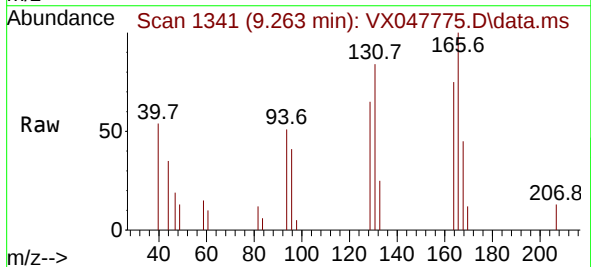
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

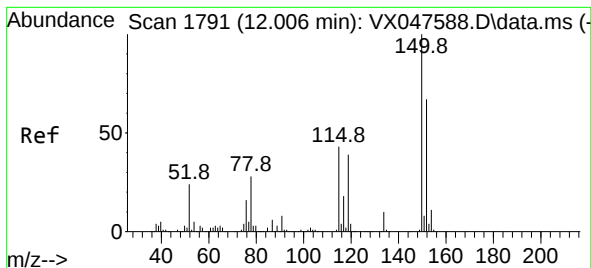
Tgt Ion:	117	Resp:	279019
Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.4	25.2	37.8



#64
Tetrachloroethene
Concen: 0.647 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion:	164	Resp:	1176
Ion	Ratio	Lower	Upper
164	100		
166	133.9	100.2	150.2
129	87.6	81.8	122.6
131	112.7	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: VX047775.D

Acq: 24 Sep 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20250912DL

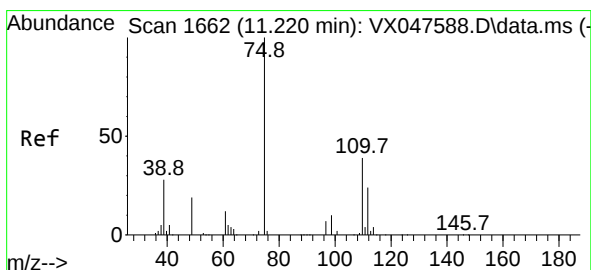
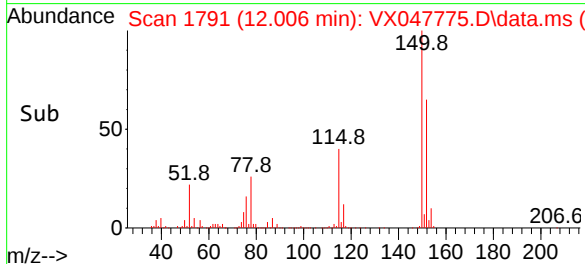
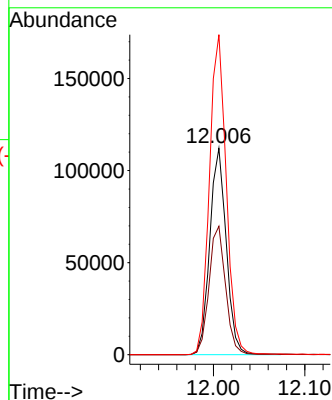
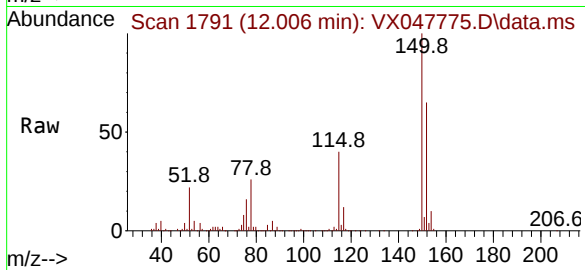
Tgt Ion:152 Resp: 140354

Ion Ratio Lower Upper

152 100

115 62.6 44.9 134.5

150 157.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.909 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047775.D

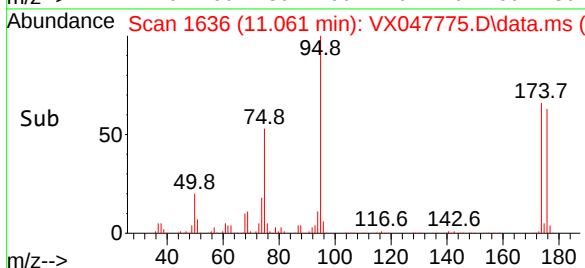
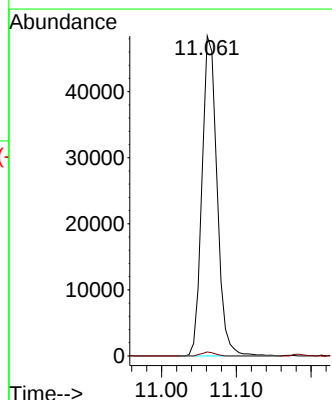
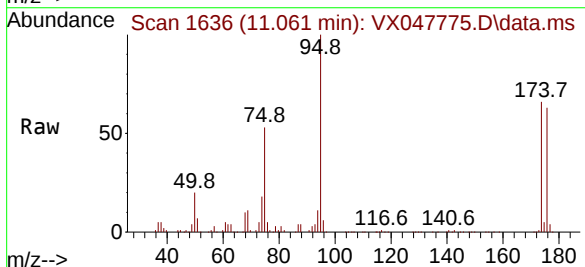
Acq: 24 Sep 2025 15:02

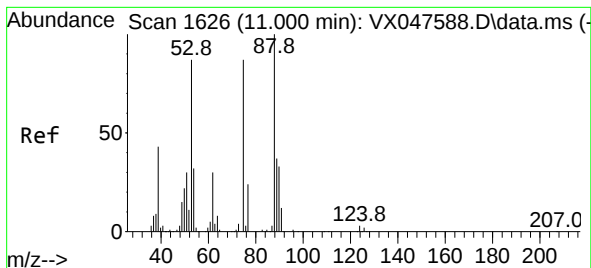
Tgt Ion: 75 Resp: 67943

Ion Ratio Lower Upper

75 100

77 1.1 18.8 56.4#

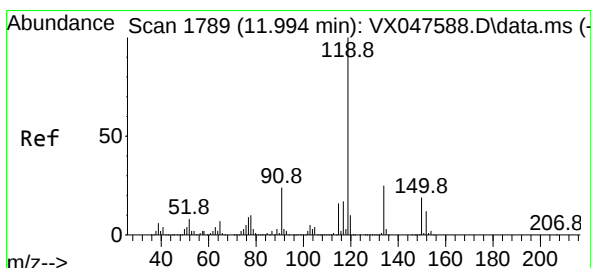
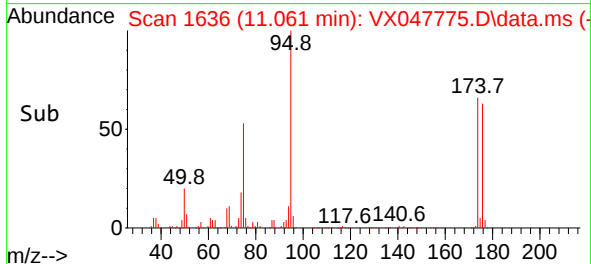
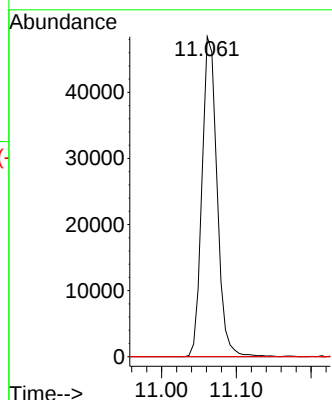
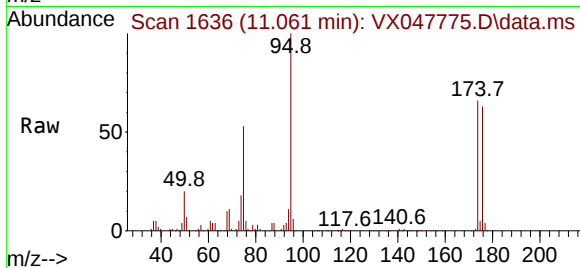




#81
trans-1,4-Dichloro-2-butene
Concen: 60.971 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

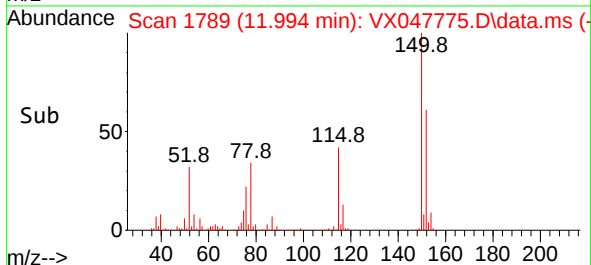
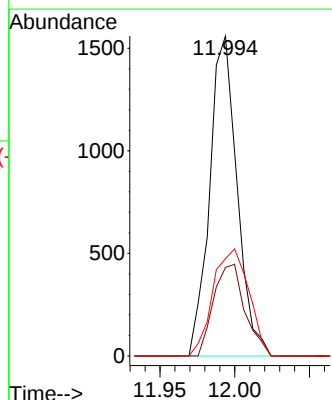
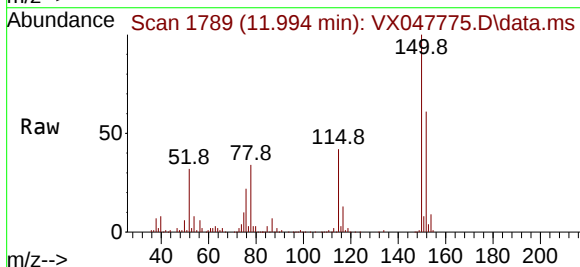
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

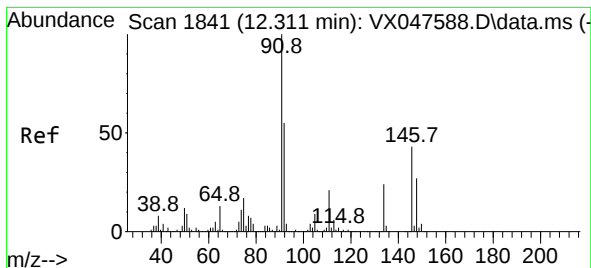
Tgt Ion: 75 Resp: 67943
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#86
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

Tgt Ion: 119 Resp: 1992
Ion Ratio Lower Upper
119 100
134 32.6 12.6 37.8
91 43.6 12.6 37.6#





#89

n-Butylbenzene

Concen: 0.378 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

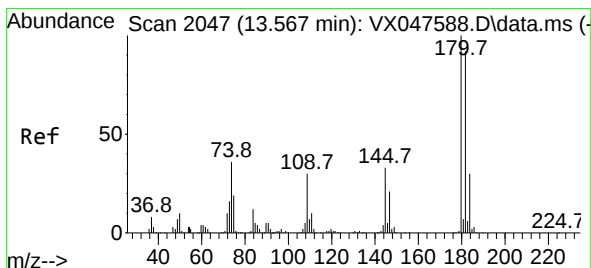
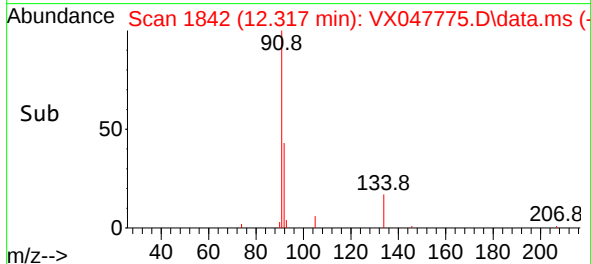
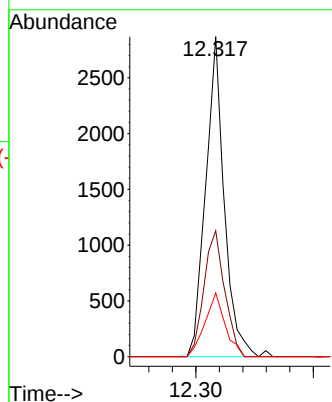
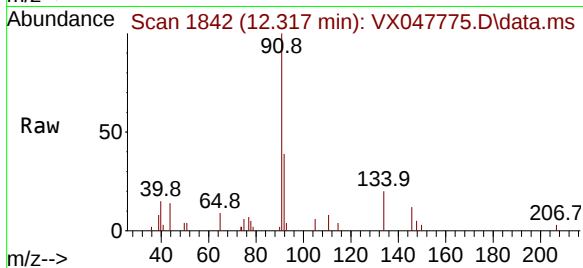
Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20250912DL

Tgt Ion:	91	Resp:	3155
Ion	Ratio	Lower	Upper
91	100		
92	43.6	27.6	82.7
134	21.7	12.6	37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.510 ug/l

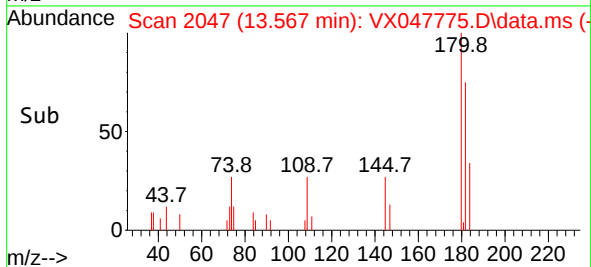
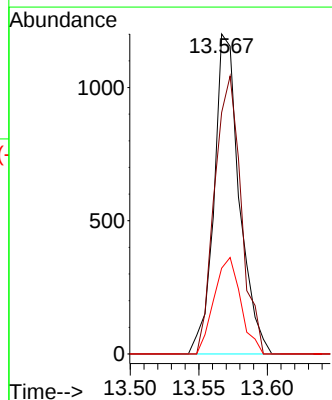
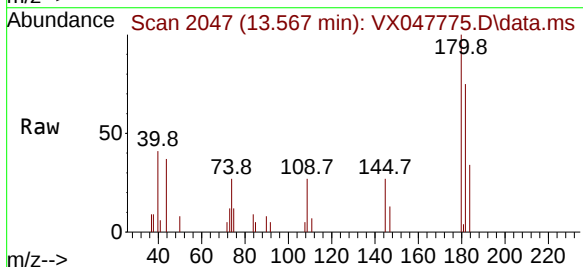
RT: 13.567 min Scan# 2047

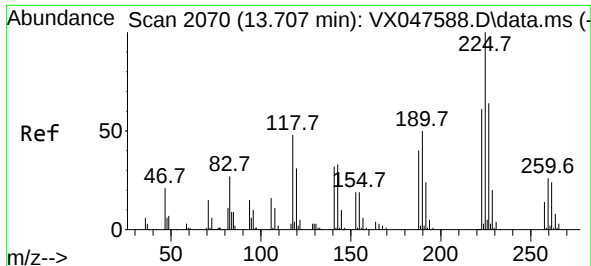
Delta R.T. -0.000 min

Lab File: VX047775.D

Acq: 24 Sep 2025 15:02

Tgt Ion:	180	Resp:	1541
Ion	Ratio	Lower	Upper
180	100		
182	91.0	46.6	139.8
145	31.8	16.4	49.1

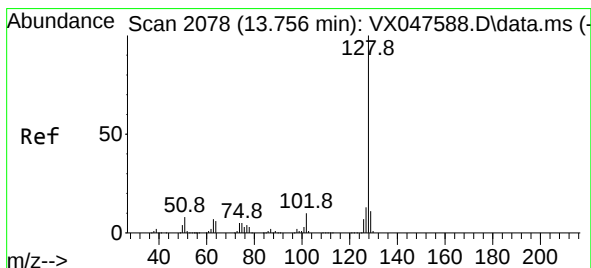
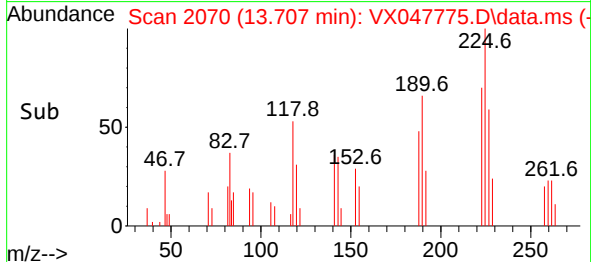
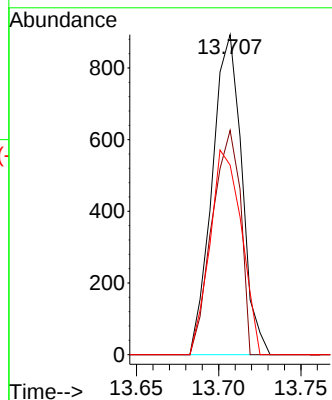
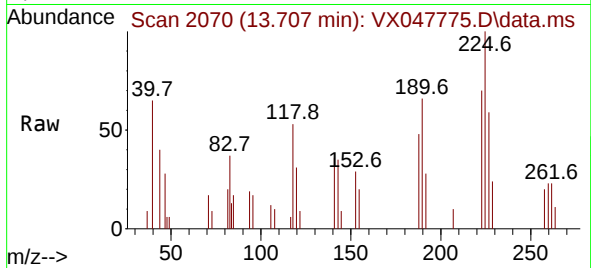




#94
Hexachlorobutadiene
Concen: 1.090 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

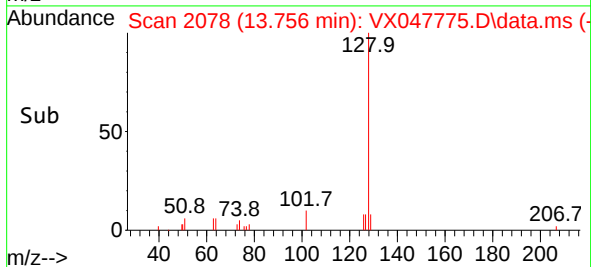
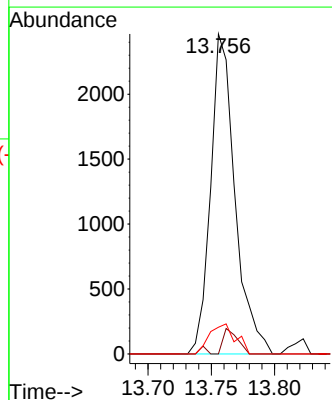
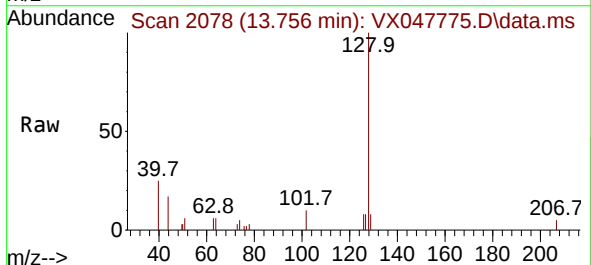
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250912DL

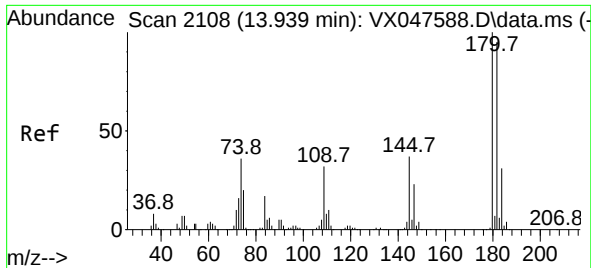
Tgt Ion:	225	Resp:	1119
Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.7	95.1
227	68.3	32.0	96.0



#95
Naphthalene
Concen: 0.359 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047775.D
Acq: 24 Sep 2025 15:02

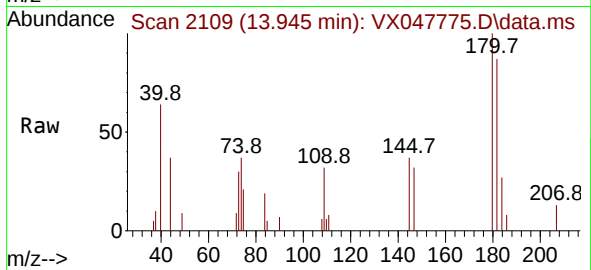
Tgt Ion:	128	Resp:	3305
Ion	Ratio	Lower	Upper
128	100		
127	5.3	10.2	15.2#
129	10.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.433 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047775.D
 Acq: 24 Sep 2025 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20250912DL



Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.4	47.6	142.8
145	38.9	17.9	53.7

