

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037798.D
 Acq On : 19 Sep 2023 12:11
 Operator : JC/MD
 Sample : 04479-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:00:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

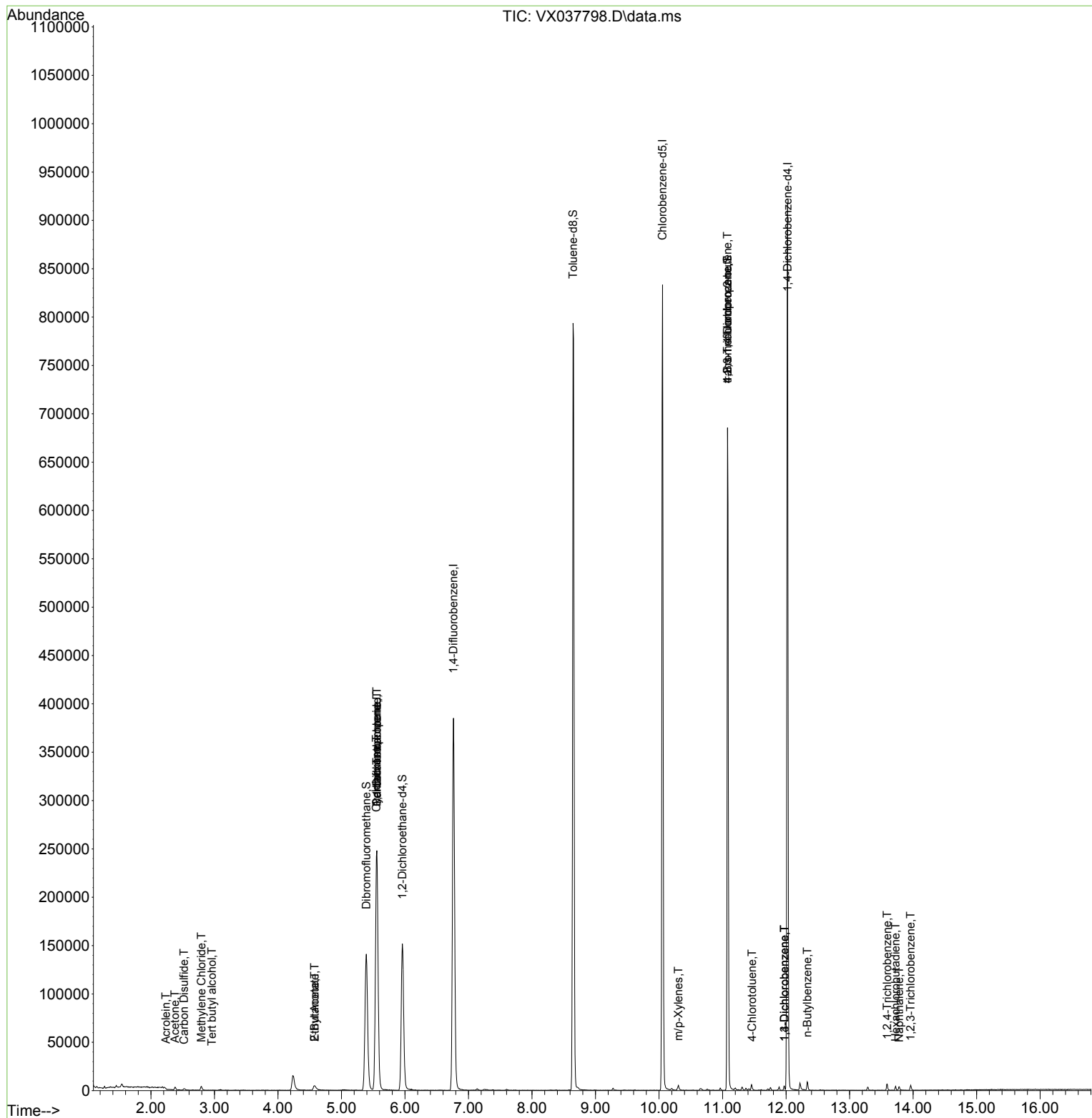
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	240842	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	401915	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145751	46.061	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.120%
35) Dibromofluoromethane	5.391	113	124220	46.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.380%
50) Toluene-d8	8.647	98	492517	49.290	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.580%
62) 4-Bromofluorobenzene	11.079	95	179539	49.447	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	189	0.278	ug/l	# 78
13) Acrolein	2.233	56	268	0.399	ug/l	# 22
16) Acetone	2.380	43	3226	2.119	ug/l	# 82
17) Carbon Disulfide	2.520	76	1340	0.227	ug/l	# 81
20) Methylene Chloride	2.794	84	1733	0.591	ug/l	90
25) 2-Butanone	4.574	43	8803	4.098	ug/l	94
31) Cyclohexane	5.550	56	5016	1.235	ug/l	# 14
36) 1,1-Dichloropropene	5.556	75	18118	4.891	ug/l	# 51
37) Ethyl Acetate	4.574	43	8803	2.162	ug/l	# 69
38) Carbon Tetrachloride	5.556	117	23923	6.172	ug/l	# 14
68) m/p-Xylenes	10.305	106	1168	0.213	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	90919	20.301	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	90919	65.033	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	2283	0.205	ug/l	93
87) 1,3-Dichlorobenzene	11.975	146	1541	0.235	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	1541	0.230	ug/l	95
89) n-Butylbenzene	12.335	91	2842	0.265	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1988	0.504	ug/l	90
94) Hexachlorobutadiene	13.725	225	699	0.380	ug/l	87
95) Naphthalene	13.780	128	2954	0.222	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1624	0.400	ug/l	95

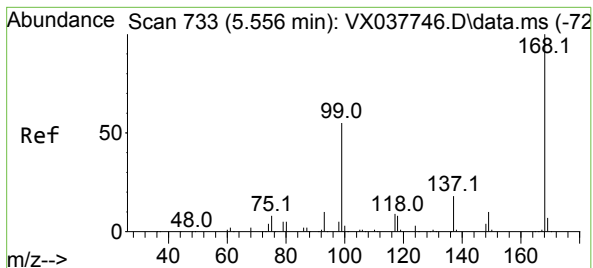
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 16 04:55:44 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

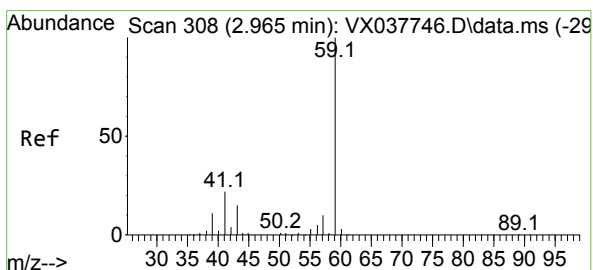
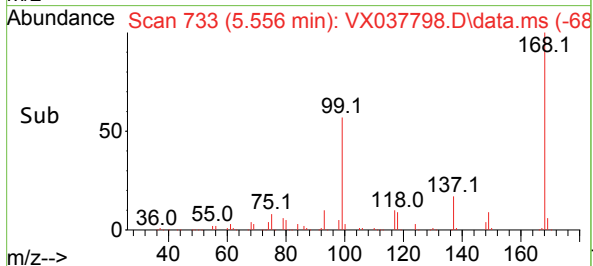
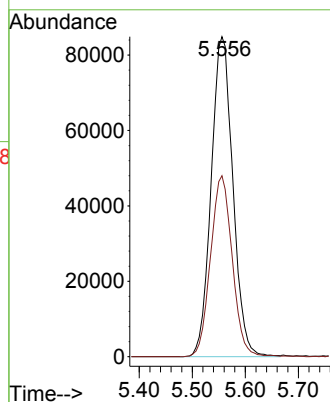
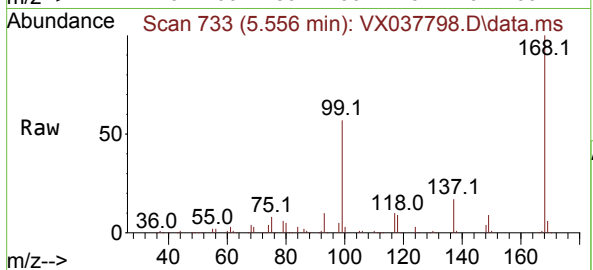
ClientSampleId :

Tgt Ion:168 Resp: 240842

Ion Ratio Lower Upper

168 100

99 56.5 56.6 85.0#



#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX037798.D

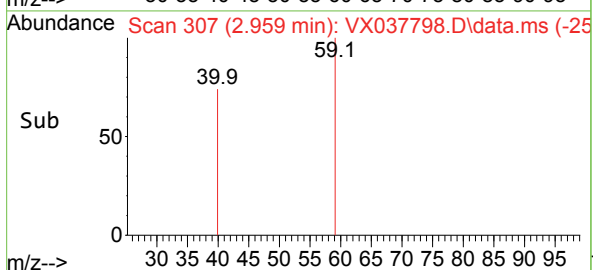
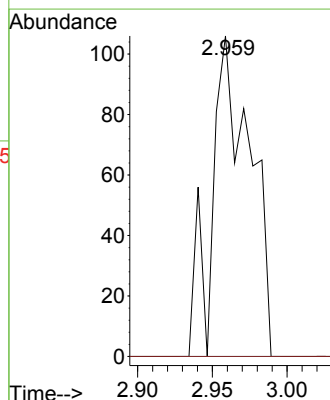
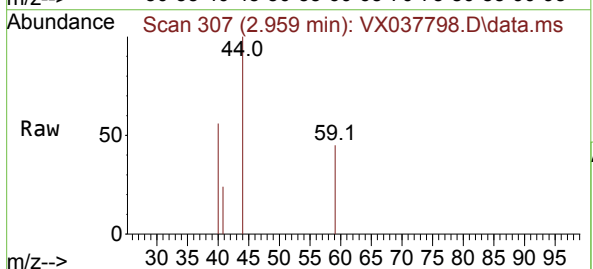
Acq: 19 Sep 2023 12:11

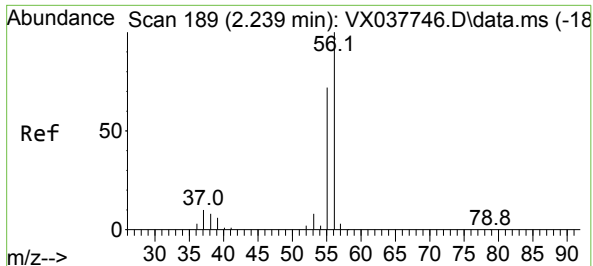
Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

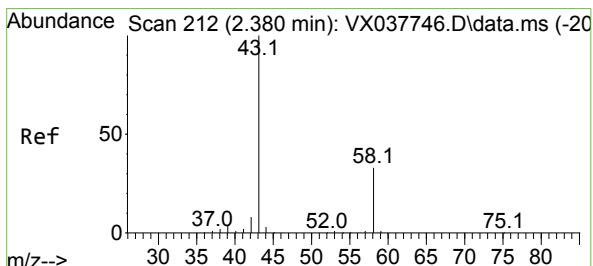
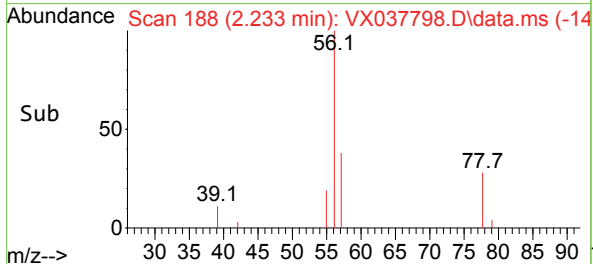
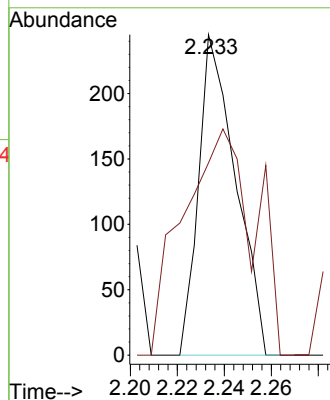
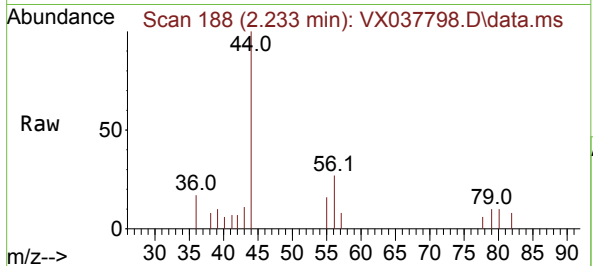




#13
Acrolein
Concen: 0.399 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

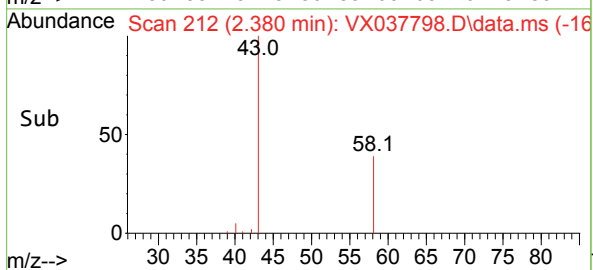
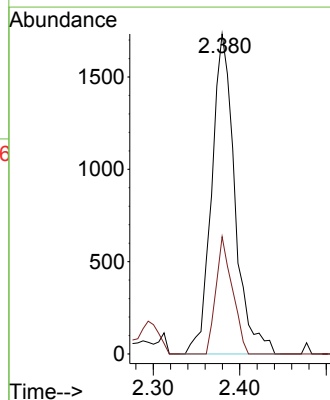
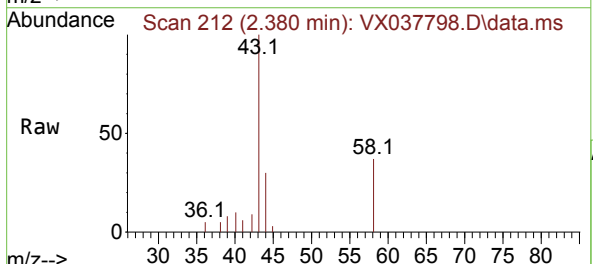
Instrument :
MSVOA_X
ClientSampleId :

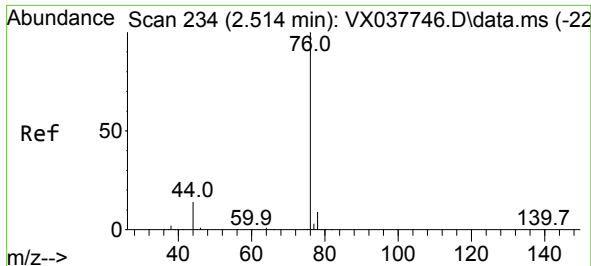
Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 135.8 57.1 85.7#



#16
Acetone
Concen: 2.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

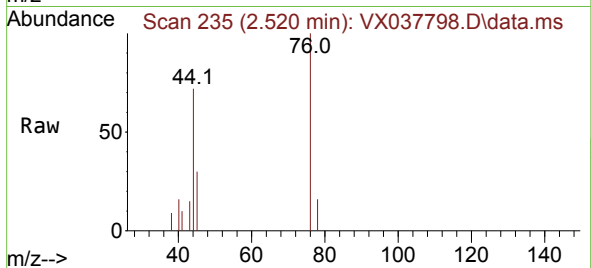
Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
58 36.6 21.9 32.9#



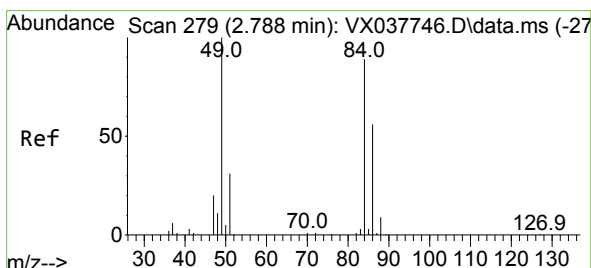
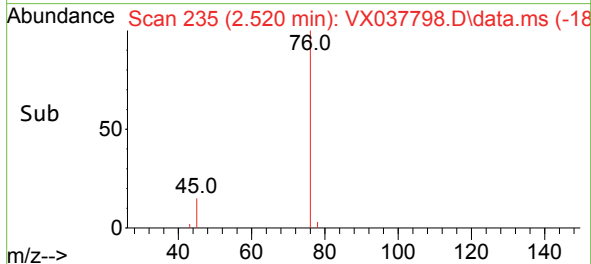
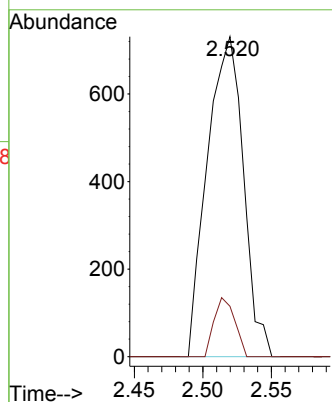


#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

Instrument :
MSVOA_X
ClientSampleId :

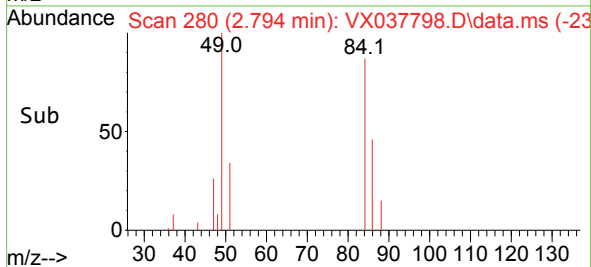
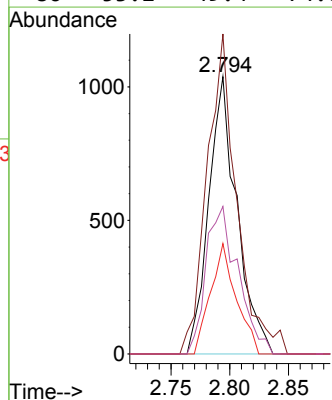
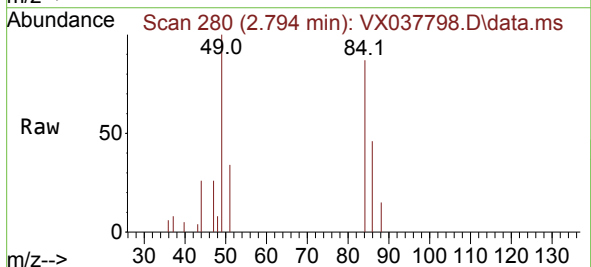


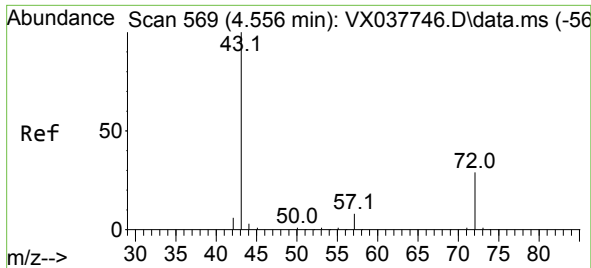
Tgt Ion: 76 Resp: 1340
Ion Ratio Lower Upper
76 100
78 15.7 7.0 10.6#



#20
Methylene Chloride
Concen: 0.591 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

Tgt Ion: 84 Resp: 1733
Ion Ratio Lower Upper
84 100
49 115.4 103.6 155.4
51 39.8 33.8 50.6
86 53.2 49.4 74.0

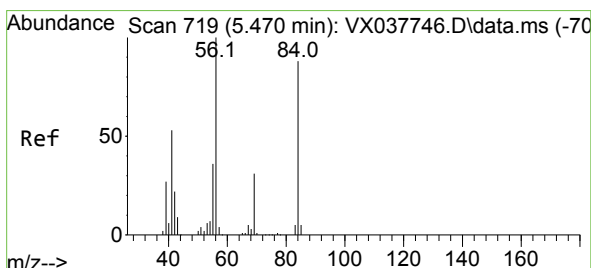
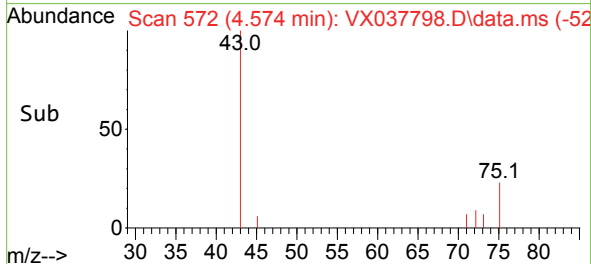
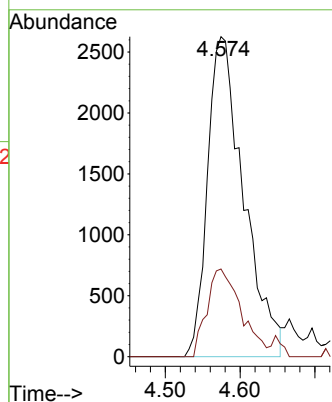
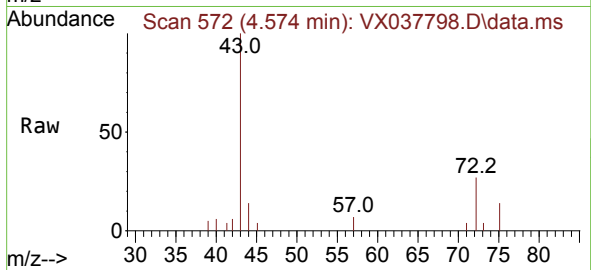




#25
2-Butanone
Concen: 4.098 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

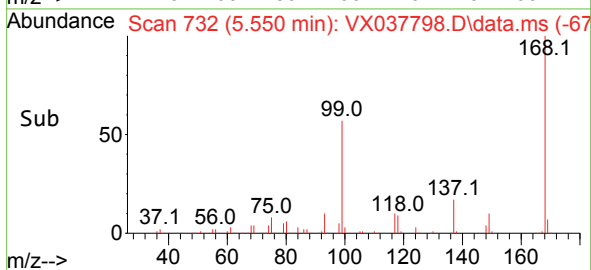
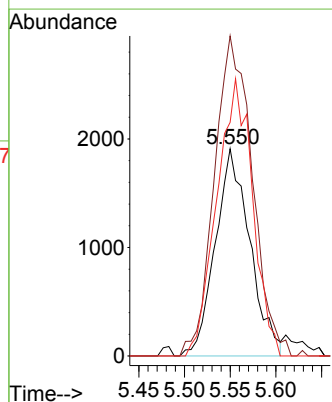
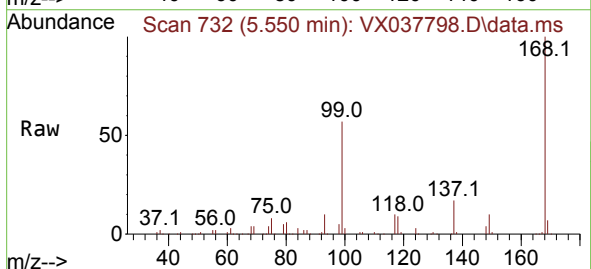
Instrument :
MSVOA_X
ClientSampleId :

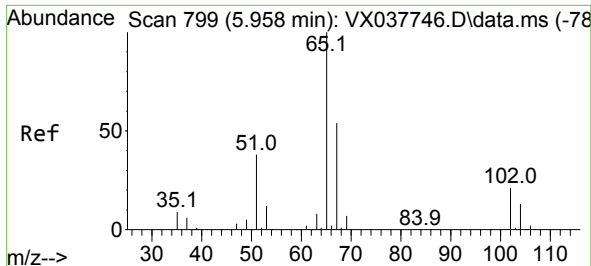
Tgt Ion: 43 Resp: 8803
Ion Ratio Lower Upper
43 100
72 27.4 19.4 29.2



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

Tgt Ion: 56 Resp: 5016
Ion Ratio Lower Upper
56 100
69 154.4 23.4 35.2#
84 112.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.061 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

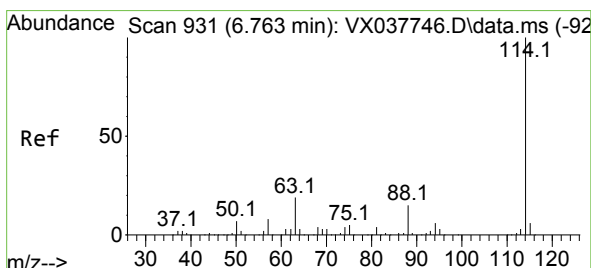
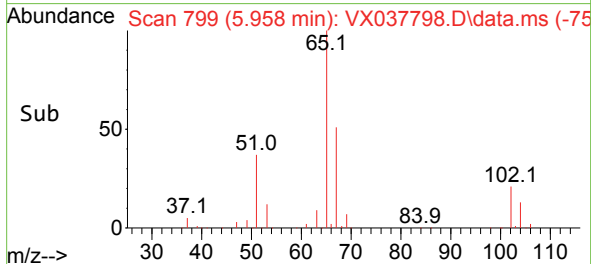
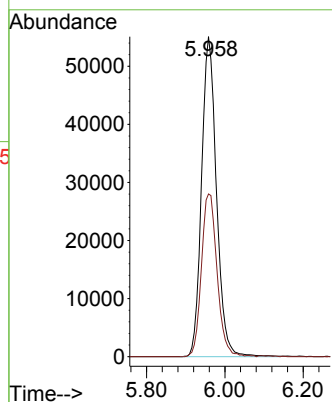
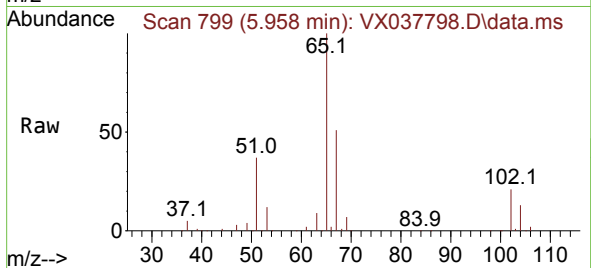
ClientSampleId :

Tgt Ion: 65 Resp: 145751

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

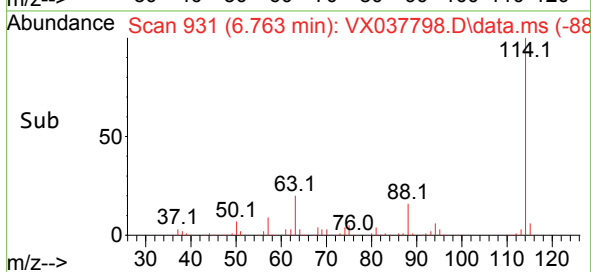
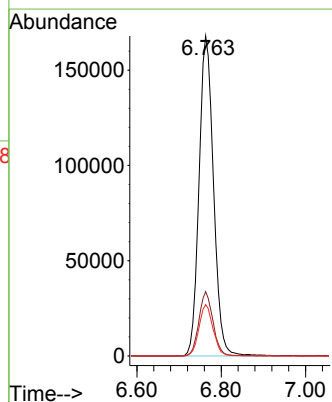
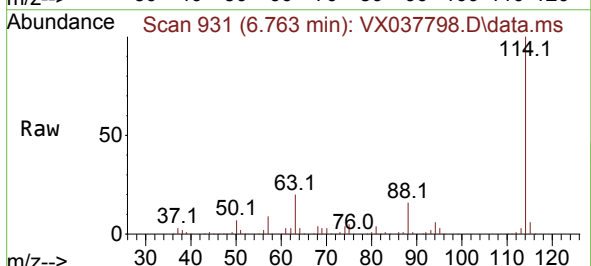
Tgt Ion: 114 Resp: 401915

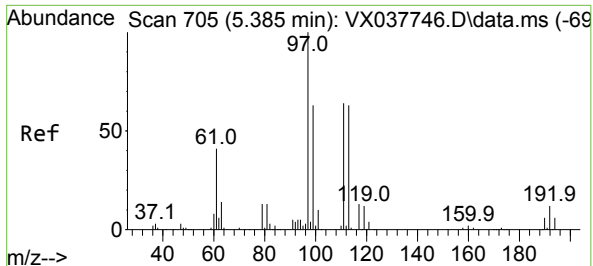
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

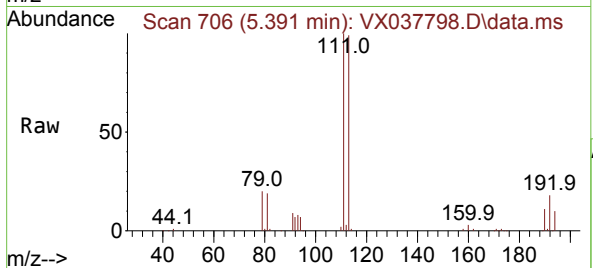
88 16.1 0.0 36.6



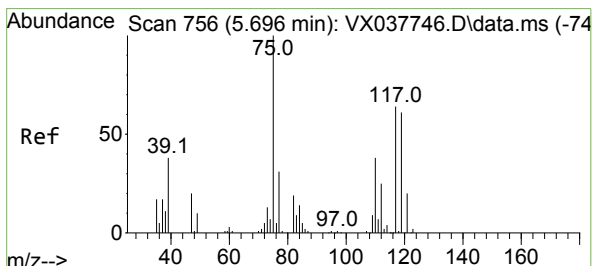
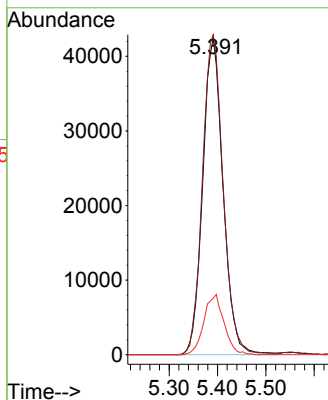
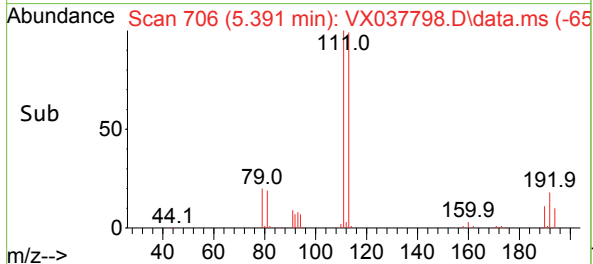


#35
Dibromofluoromethane
Concen: 46.192 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

Instrument :
MSVOA_X
ClientSampleId :

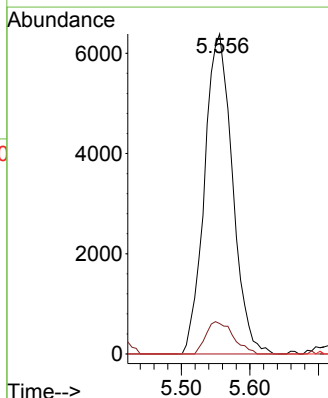
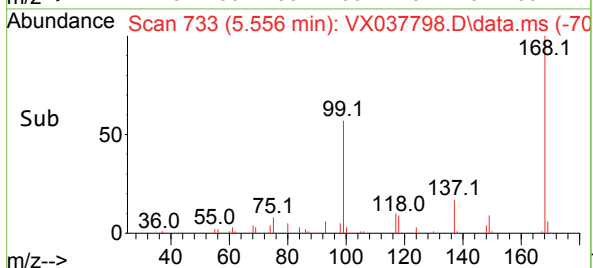
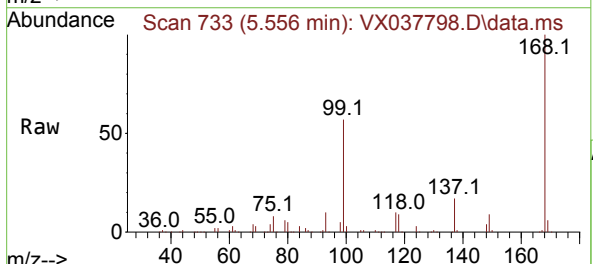


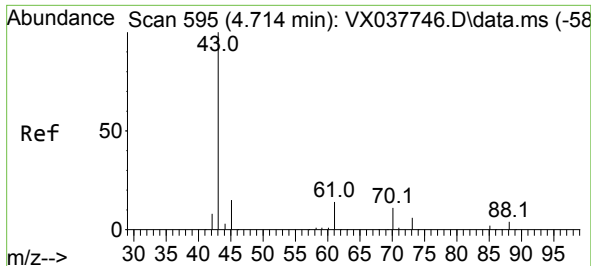
Tgt Ion:113 Resp: 124220
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

Tgt Ion: 75 Resp: 18118
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.162 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.159 min

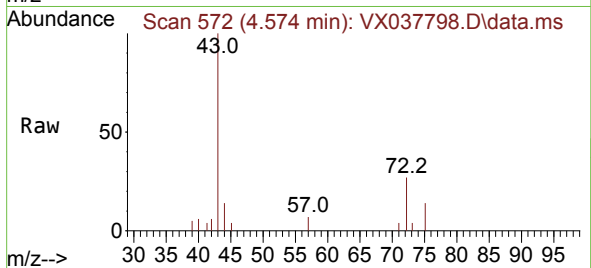
Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

ClientSampleId :



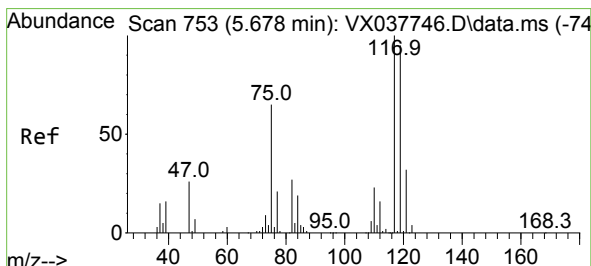
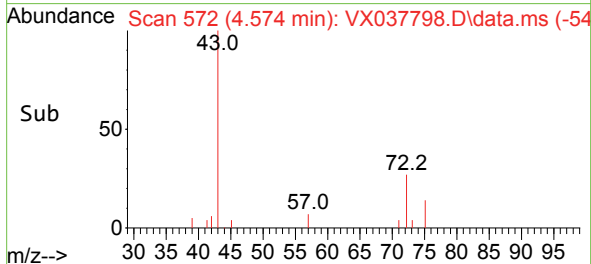
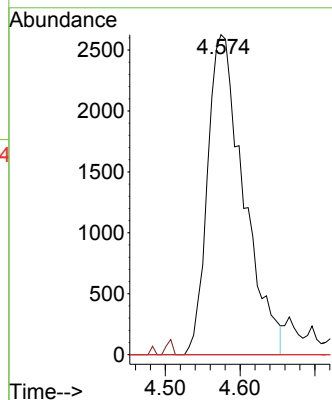
Tgt Ion: 43 Resp: 8803

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.172 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

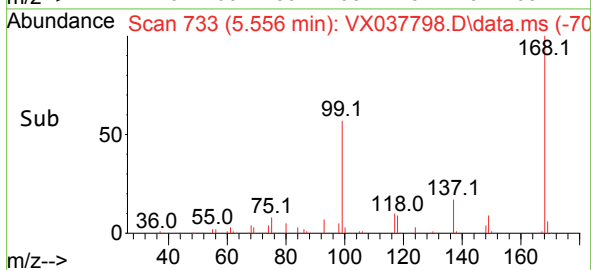
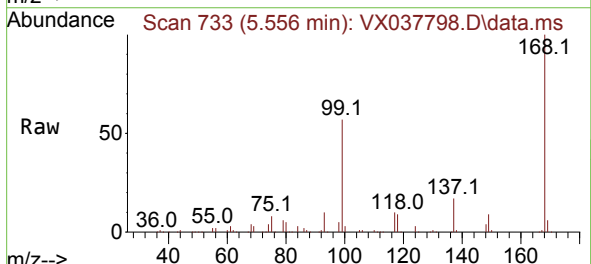
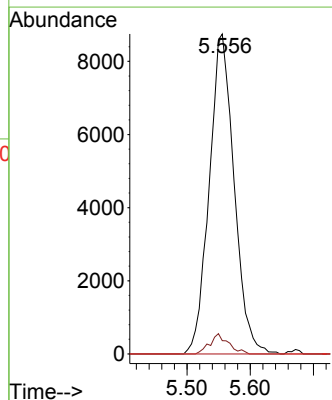
Tgt Ion: 117 Resp: 23923

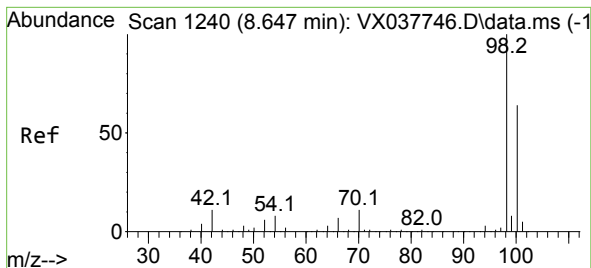
Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.2#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.290 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

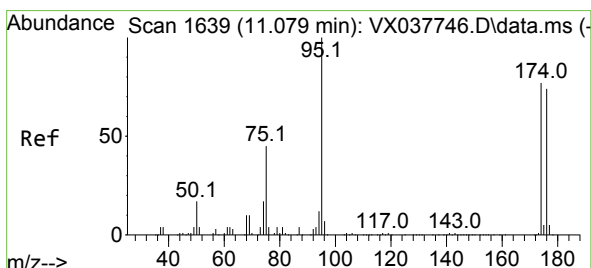
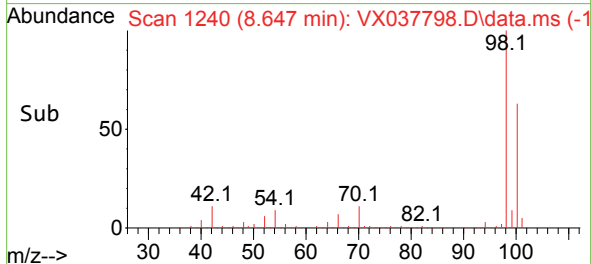
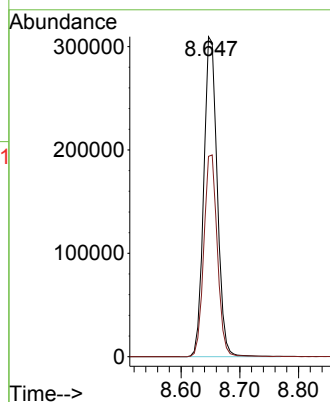
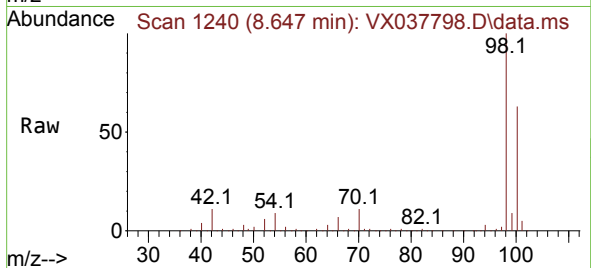
ClientSampleId :

Tgt Ion: 98 Resp: 492517

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 49.447 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

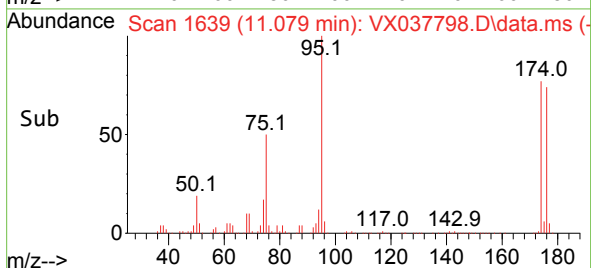
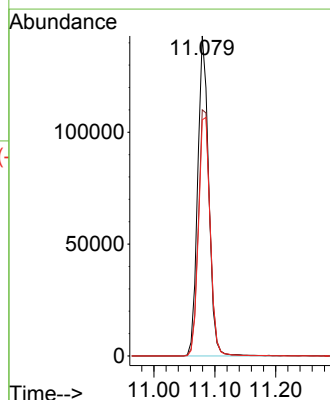
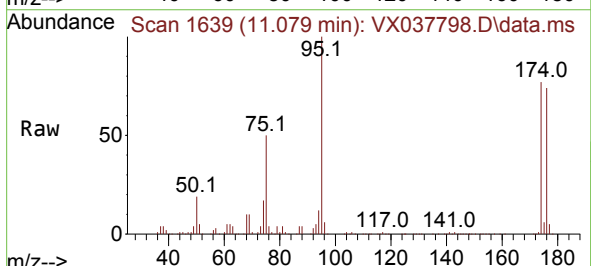
Tgt Ion: 95 Resp: 179539

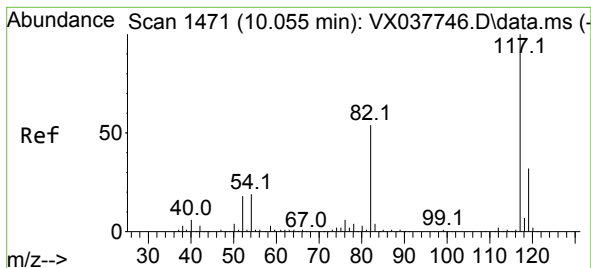
Ion Ratio Lower Upper

95 100

174 81.8 0.0 135.6

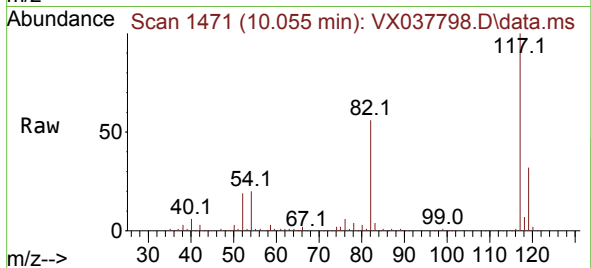
176 79.2 0.0 131.0



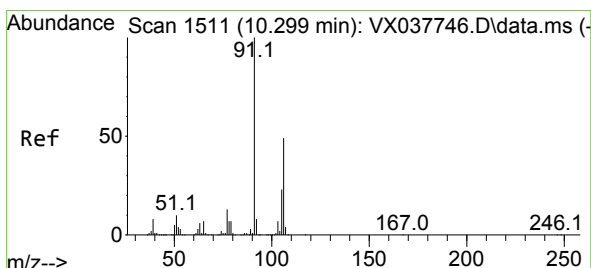
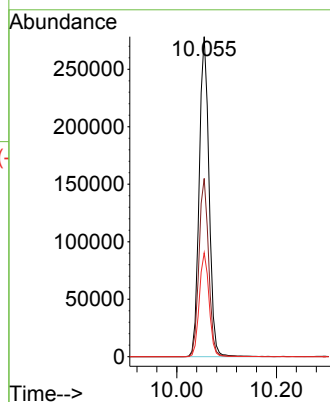
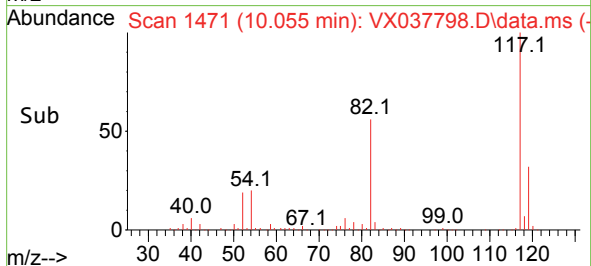


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

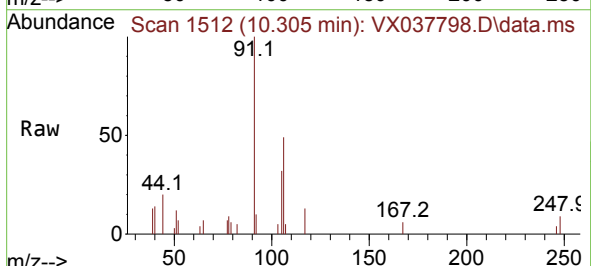
Instrument :
MSVOA_X
ClientSampleId :



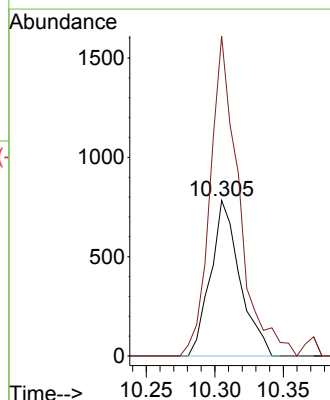
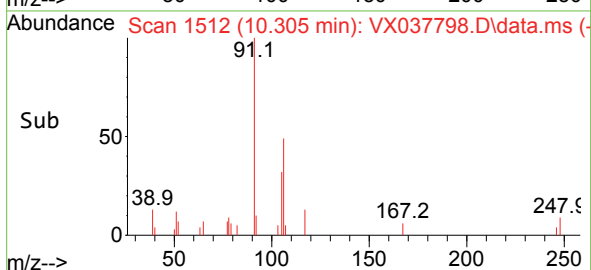
Tgt Ion:117 Resp: 379788
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.5 25.5 38.3

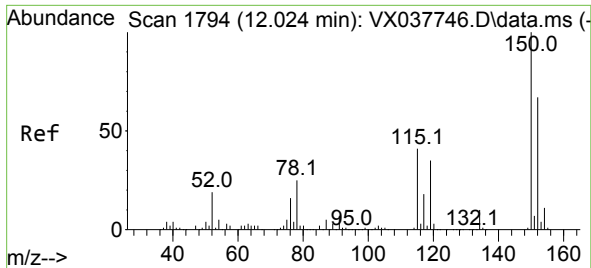


#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11



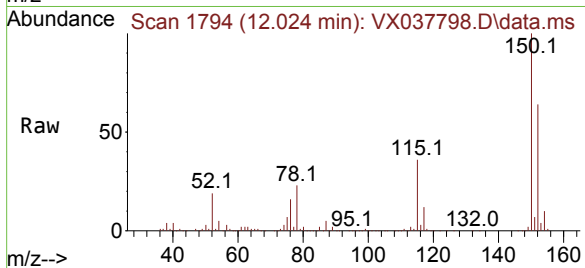
Tgt Ion:106 Resp: 1168
Ion Ratio Lower Upper
106 100
91 201.8 165.5 248.3



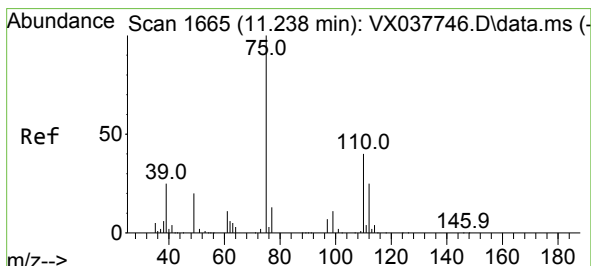
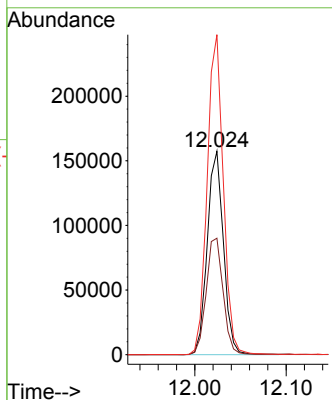
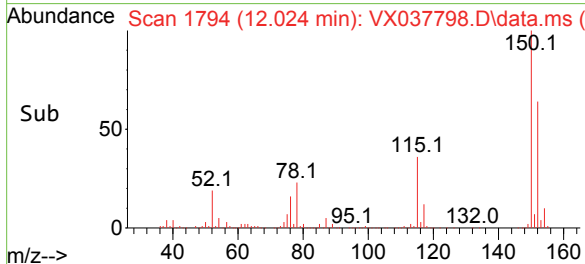


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037798.D
 Acq: 19 Sep 2023 12:11

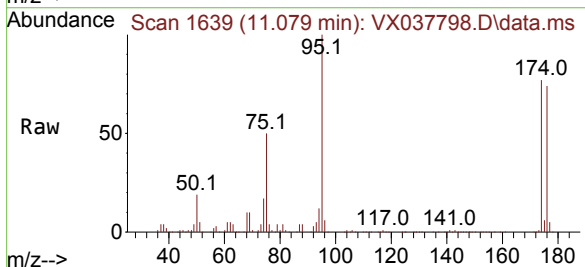
Instrument :
 MSVOA_X
 ClientSampleId :



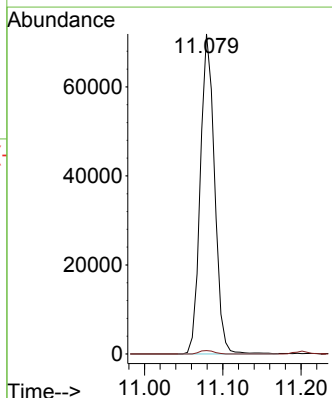
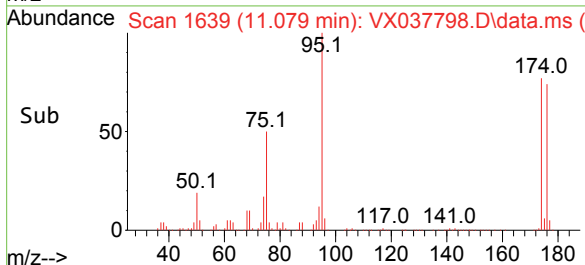
Tgt Ion:152 Resp: 193630
 Ion Ratio Lower Upper
 152 100
 115 59.9 43.3 129.9
 150 157.1 0.0 345.0

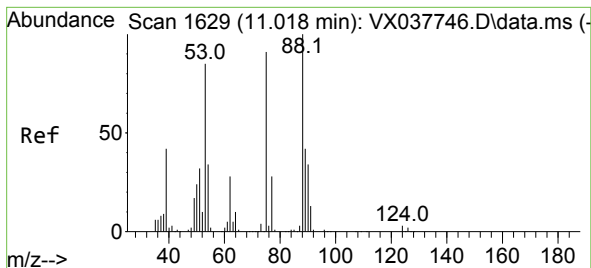


#76
 1,2,3-Trichloropropane
 Concen: 20.301 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037798.D
 Acq: 19 Sep 2023 12:11



Tgt Ion: 75 Resp: 90919
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

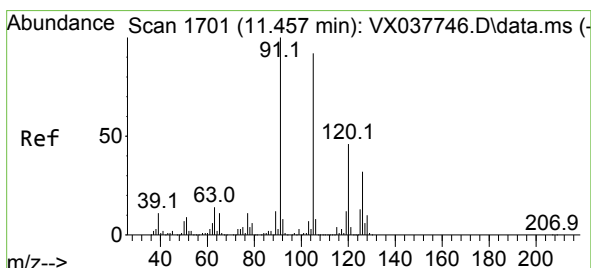
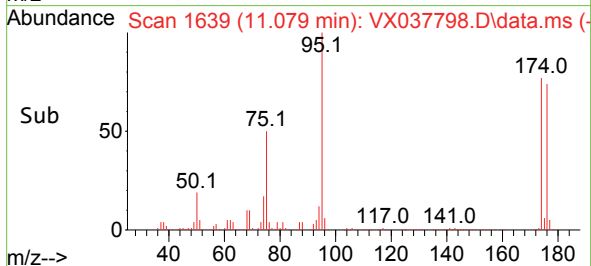
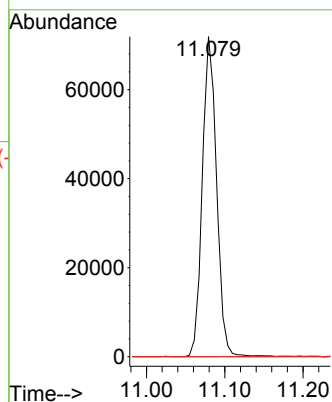
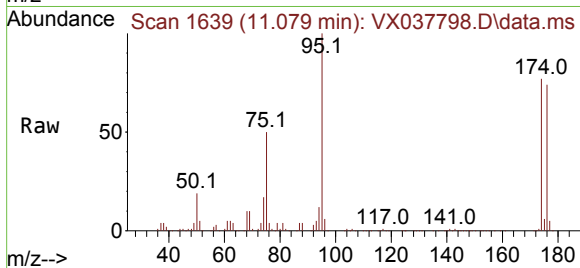




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.033 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037798.D
 Acq: 19 Sep 2023 12:11

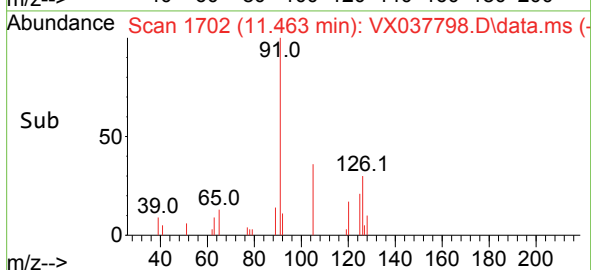
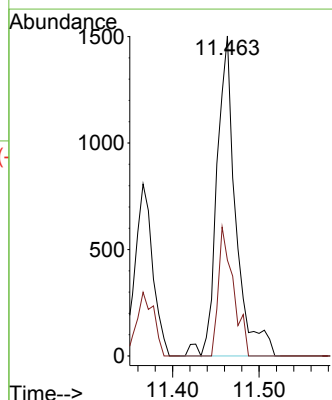
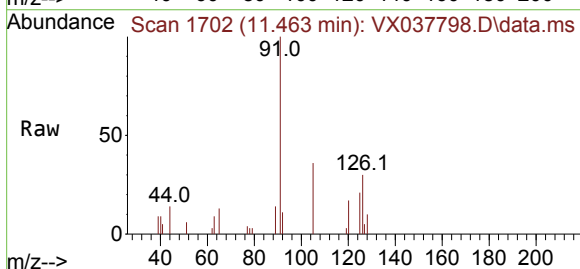
Instrument :
 MSVOA_X
 ClientSampleId :

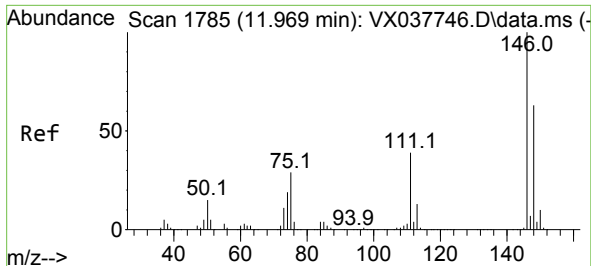
Tgt Ion: 75 Resp: 90919
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#82
 4-Chlorotoluene
 Concen: 0.205 ug/l
 RT: 11.463 min Scan# 1702
 Delta R.T. 0.006 min
 Lab File: VX037798.D
 Acq: 19 Sep 2023 12:11

Tgt Ion: 91 Resp: 2283
 Ion Ratio Lower Upper
 91 100
 126 31.9 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.235 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

ClientSampleId :

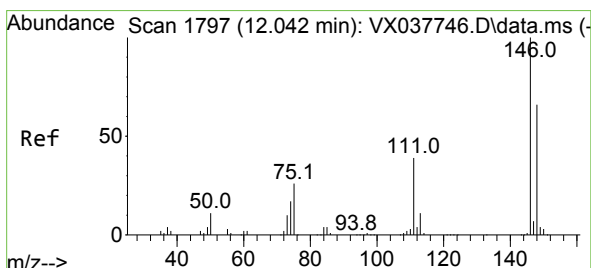
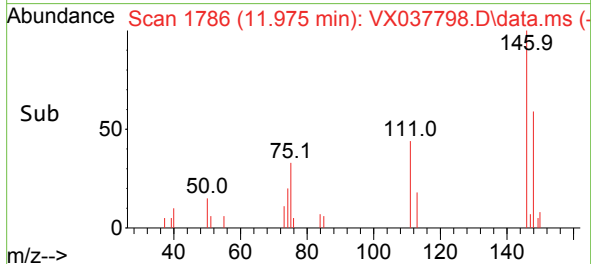
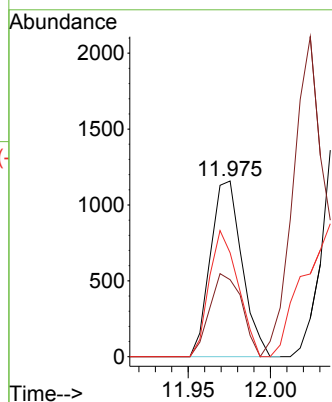
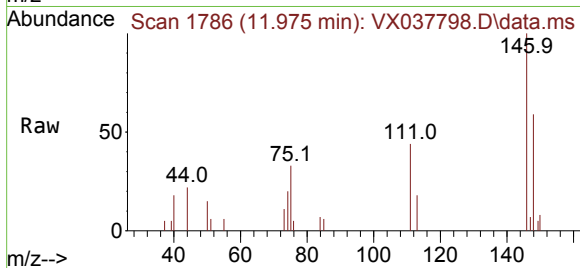
Tgt Ion:146 Resp: 1541

Ion Ratio Lower Upper

146 100

111 48.0 22.1 66.1

148 65.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

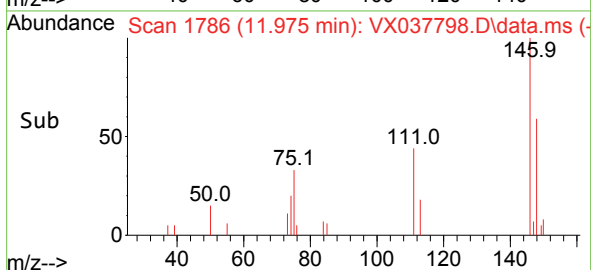
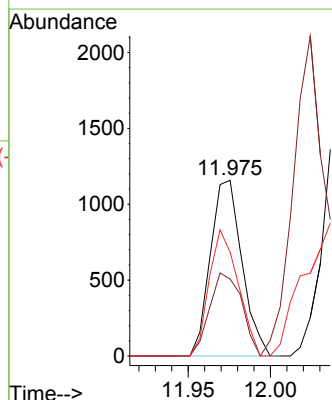
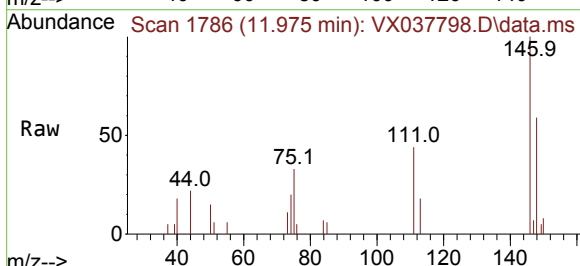
Tgt Ion:146 Resp: 1541

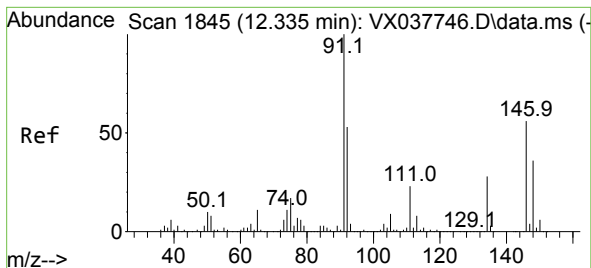
Ion Ratio Lower Upper

146 100

111 48.0 21.3 63.7

148 65.9 31.8 95.4





#89

n-Butylbenzene

Concen: 0.265 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037798.D

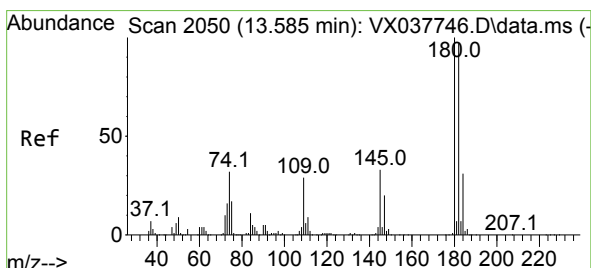
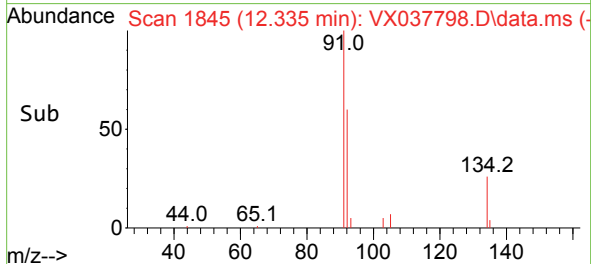
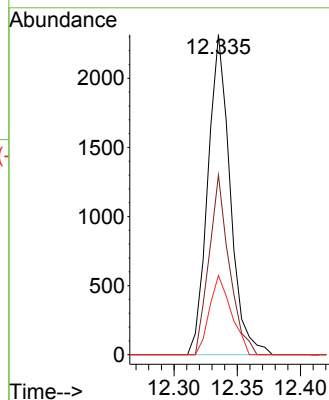
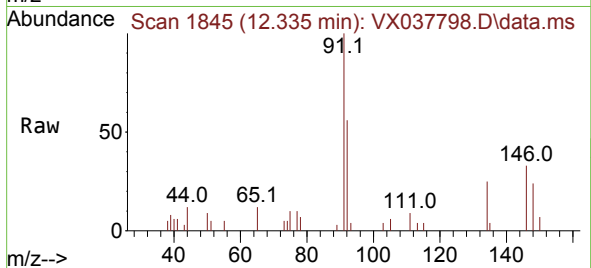
Acq: 19 Sep 2023 12:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	2842
Ion Ratio	Lower	Upper
91	100	
92	51.0	27.4 82.0
134	24.1	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.504 ug/l

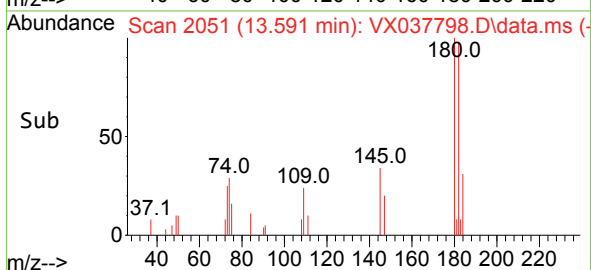
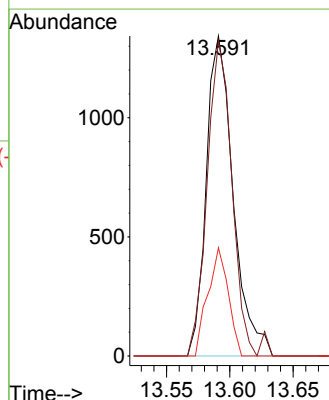
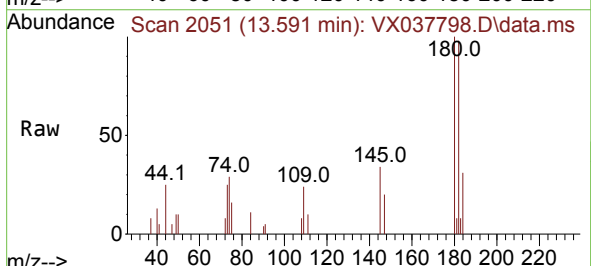
RT: 13.591 min Scan# 2051

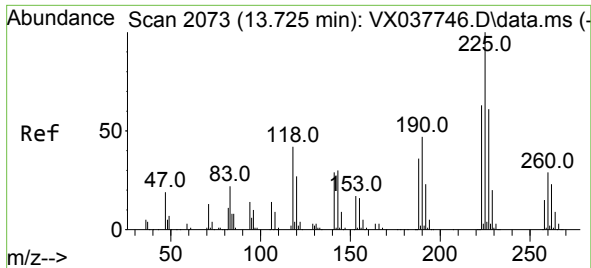
Delta R.T. -0.000 min

Lab File: VX037798.D

Acq: 19 Sep 2023 12:11

Tgt Ion: 180	Resp:	1988
Ion Ratio	Lower	Upper
180	100	
182	89.8	48.3 144.8
145	25.7	18.0 54.0

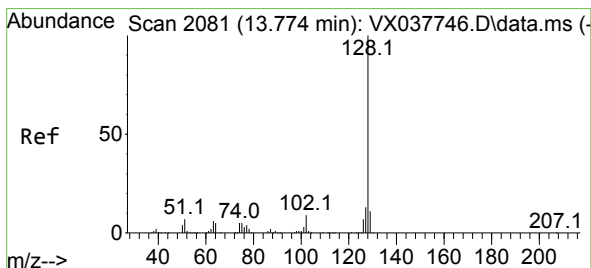
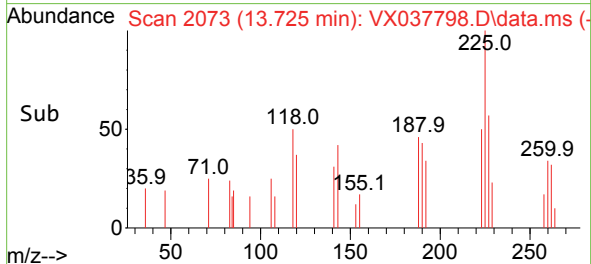
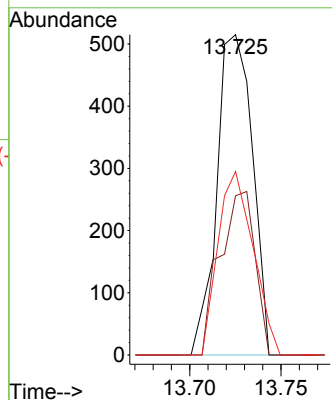
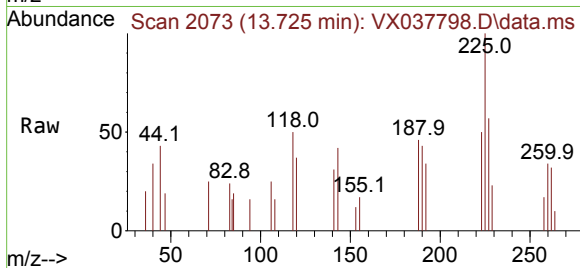




#94
Hexachlorobutadiene
Concen: 0.380 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

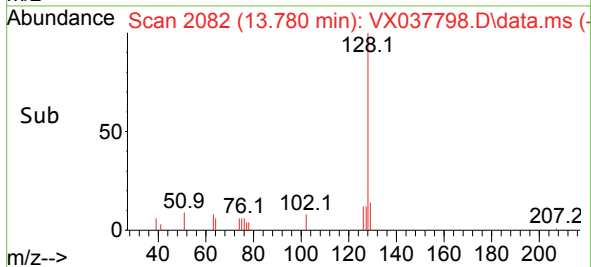
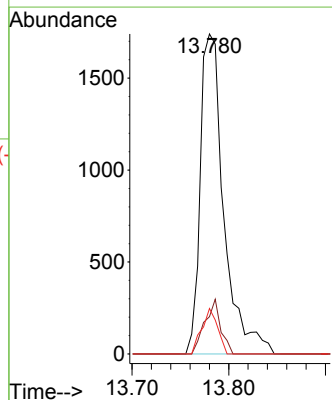
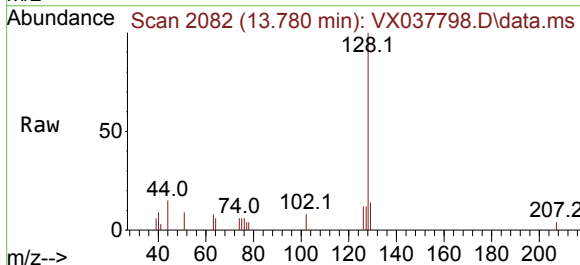
Instrument :
MSVOA_X
ClientSampleId :

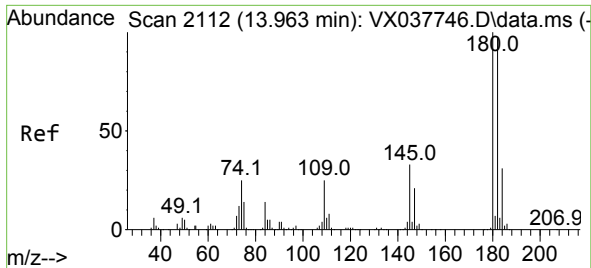
Tgt Ion:225	Resp:	699
Ion Ratio	Lower	Upper
225	100	
223	50.2	31.1 93.2
227	56.8	32.5 97.5



#95
Naphthalene
Concen: 0.222 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037798.D
Acq: 19 Sep 2023 12:11

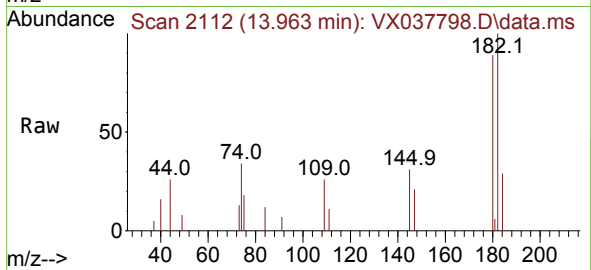
Tgt Ion:128	Resp:	2954
Ion Ratio	Lower	Upper
128	100	
127	11.5	10.3 15.5
129	9.5	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.400 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037798.D
 Acq: 19 Sep 2023 12:11

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1624
Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.9	140.6
145	27.7	17.8	53.5

