

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037808.D
 Acq On : 19 Sep 2023 16:03
 Operator : JC/MD
 Sample : 04465-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:04:15 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)

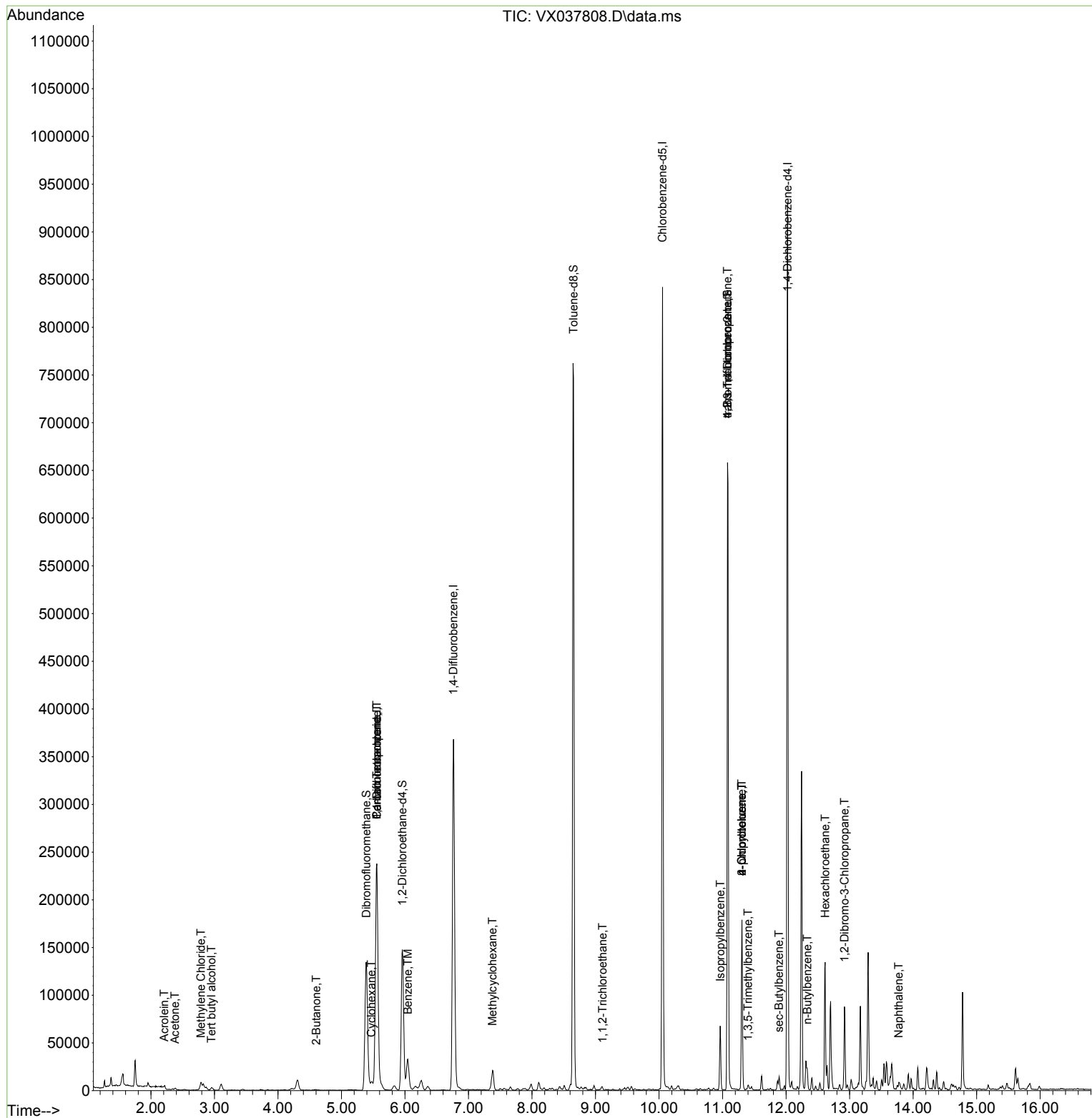
Internal Standards						
1) Pentafluorobenzene	5.556	168	231681	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	387861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142071	46.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.340%		
35) Dibromofluoromethane	5.391	113	119486	46.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.080%		
50) Toluene-d8	8.653	98	470130	48.755	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	177636	50.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.400%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	3094	4.735	ug/l	# 88
13) Acrolein	2.209	56	168	0.260	ug/l	# 1
16) Acetone	2.380	43	2807	1.917	ug/l	96
20) Methylene Chloride	2.788	84	2696	0.971	ug/l	87
25) 2-Butanone	4.605	43	1277	0.618	ug/l	# 51
31) Cyclohexane	5.471	56	5440	1.392	ug/l	98
36) 1,1-Dichloropropene	5.556	75	17363	4.857	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	22901	6.122	ug/l	# 15
39) Methylcyclohexane	7.379	83	9023	1.989	ug/l	91
40) Benzene	6.044	78	39964	3.635	ug/l	99
55) 1,1,2-Trichloroethane	9.110	97	1367	0.458	ug/l	# 17
73) Isopropylbenzene	10.964	105	34148	2.401	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	89784	20.022	ug/l	# 39
78) n-propylbenzene	11.305	91	108044	6.726	ug/l	99
79) 2-Chlorotoluene	11.305	91	108044	10.908	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.402	105	2498	0.208	ug/l	75
81) trans-1,4-Dichloro-2-b...	11.079	75	89784	64.137	ug/l	# 5
82) 4-Chlorotoluene	11.305	91	108044	9.689	ug/l	# 46
85) sec-Butylbenzene	11.890	105	6710	0.456	ug/l	95
89) n-Butylbenzene	12.335	91	11043	1.027	ug/l	# 72
90) Hexachloroethane	12.616	117	5984	2.878	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	320	0.321	ug/l	# 9
95) Naphthalene	13.774	128	5326	0.399	ug/l	# 91

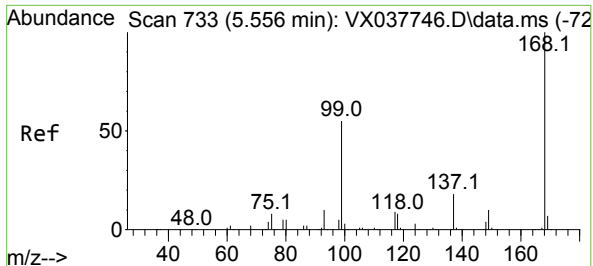
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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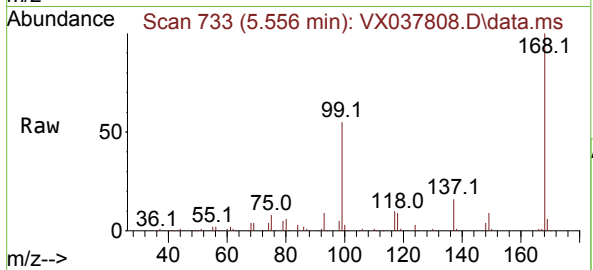
Quant Time: Sep 20 01:04:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



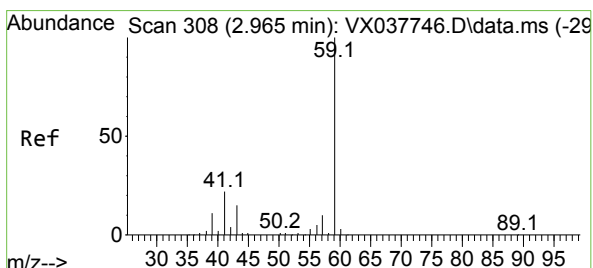
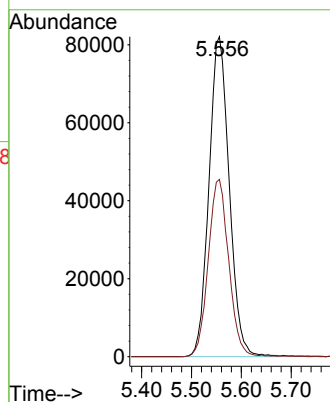
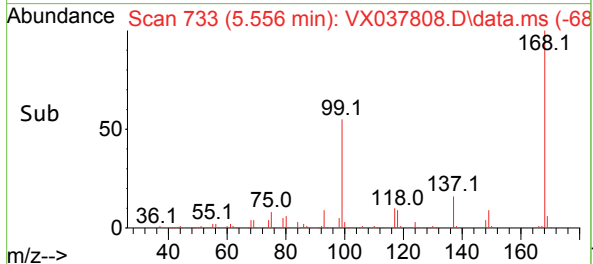


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :

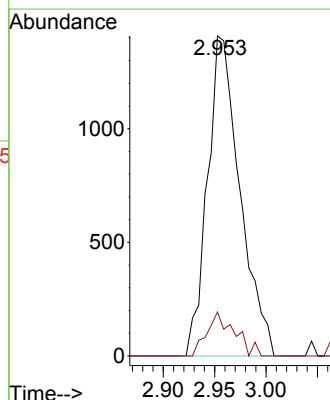
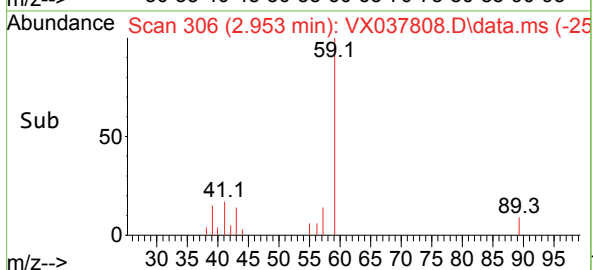
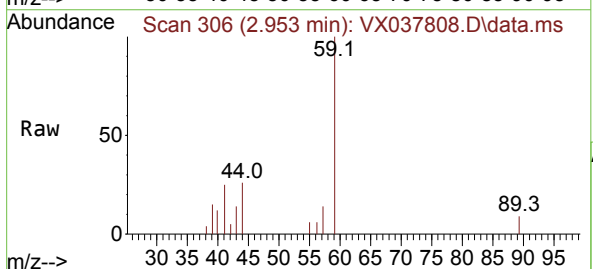


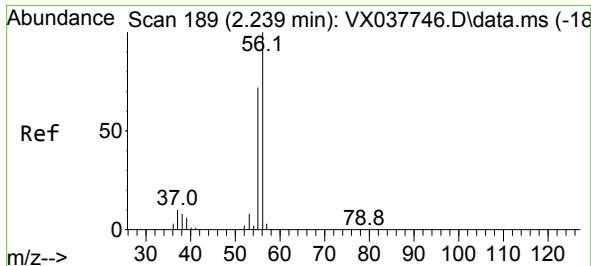
Tgt Ion:168 Resp: 231681
Ion Ratio Lower Upper
168 100
99 55.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 4.735 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 59 Resp: 3094
Ion Ratio Lower Upper
59 100
57 11.7 6.0 9.0#





#13

Acrolein

Concen: 0.260 ug/l

RT: 2.209 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

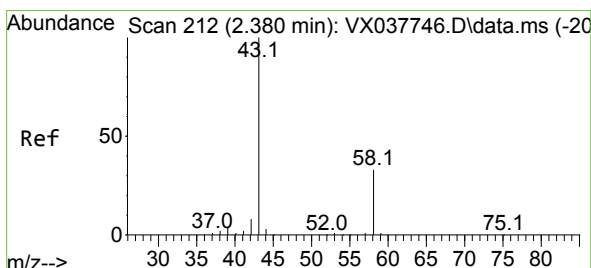
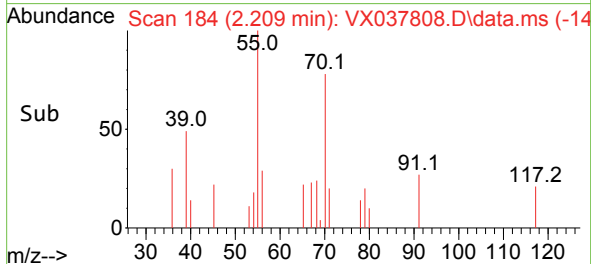
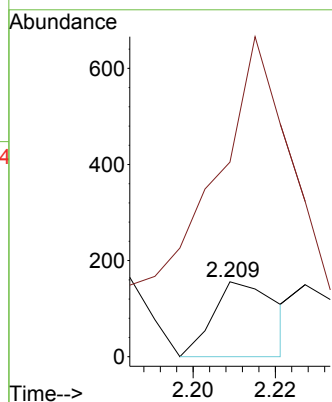
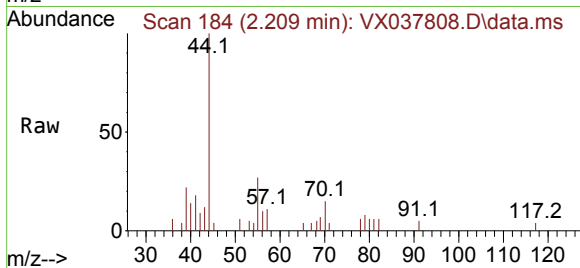
ClientSampleId :

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 735.7 57.1 85.7#



#16

Acetone

Concen: 1.917 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037808.D

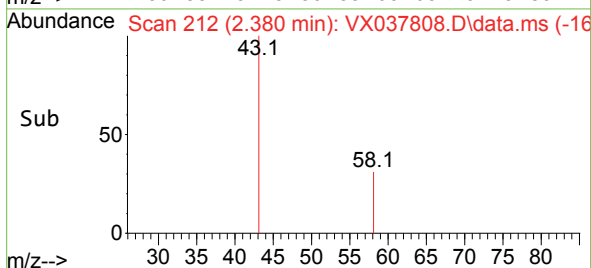
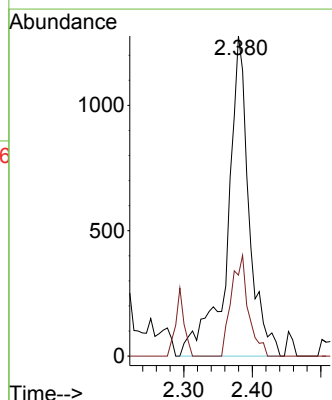
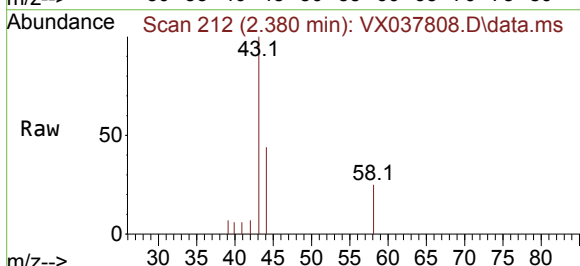
Acq: 19 Sep 2023 16:03

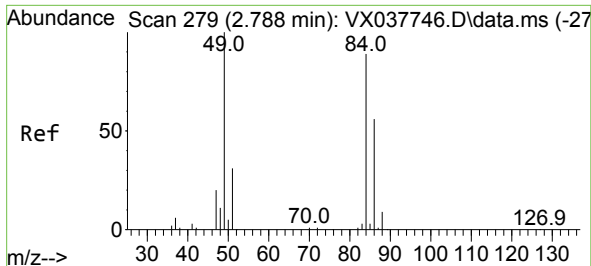
Tgt Ion: 43 Resp: 2807

Ion Ratio Lower Upper

43 100

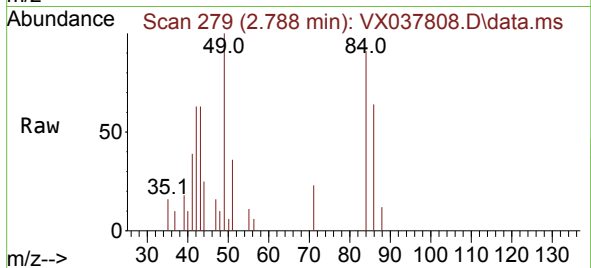
58 25.3 21.9 32.9



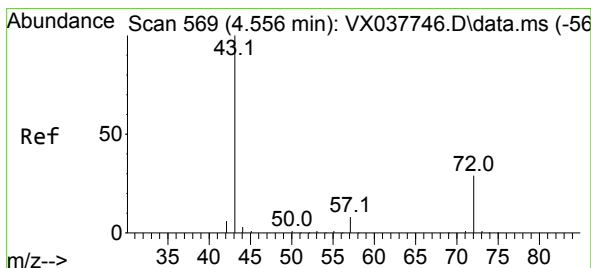
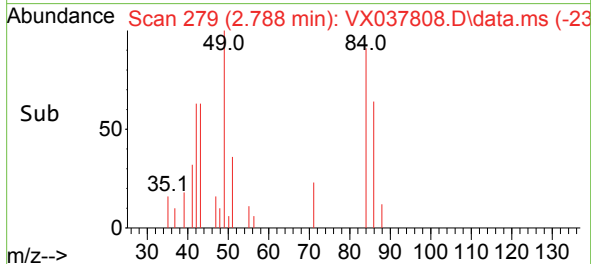
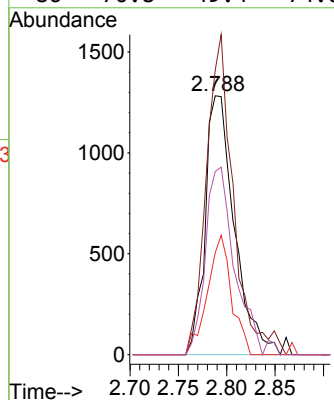


#20
Methylene Chloride
Concen: 0.971 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :

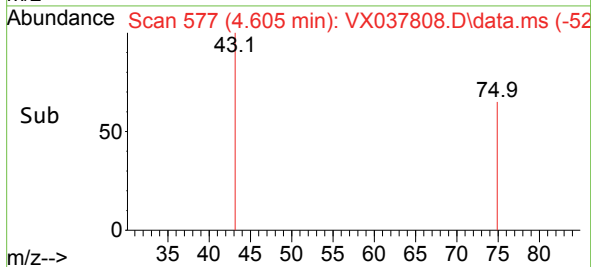
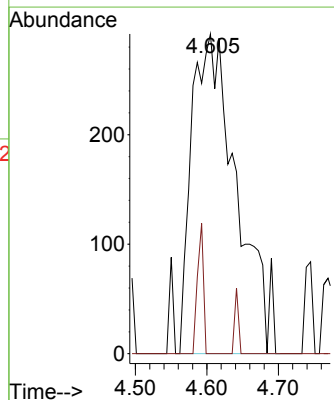
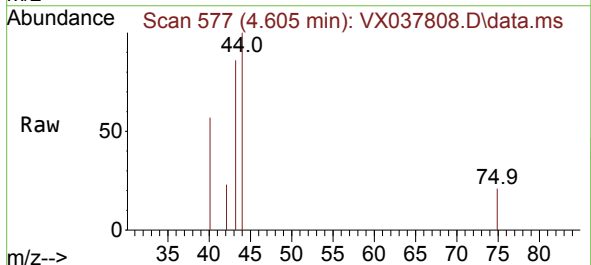


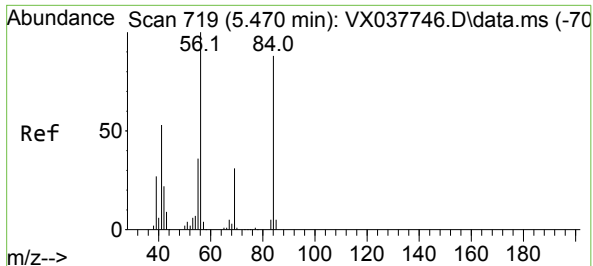
Tgt Ion:	84	Resp:	2696
Ion	Ratio	Lower	Upper
84	100		
49	110.0	103.6	155.4
51	39.4	33.8	50.6
86	70.8	49.4	74.0



#25
2-Butanone
Concen: 0.618 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

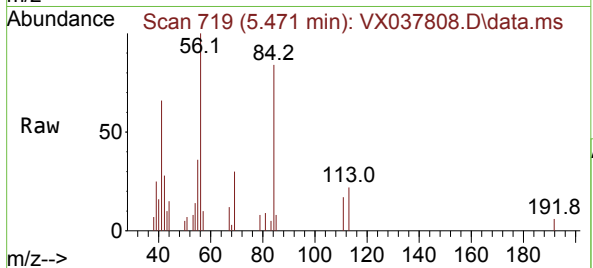
Tgt Ion:	43	Resp:	1277
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



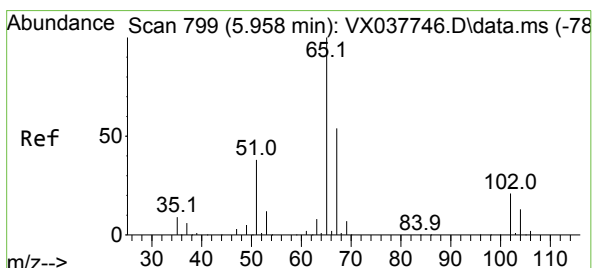
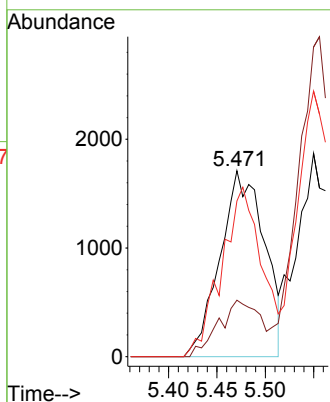
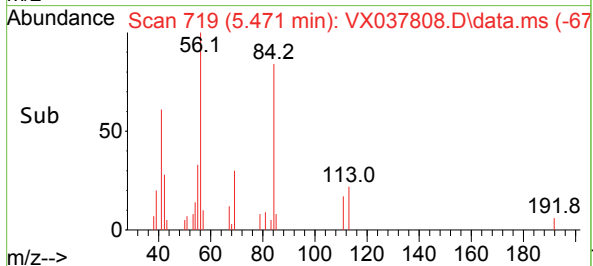


#31
Cyclohexane
Concen: 1.392 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :

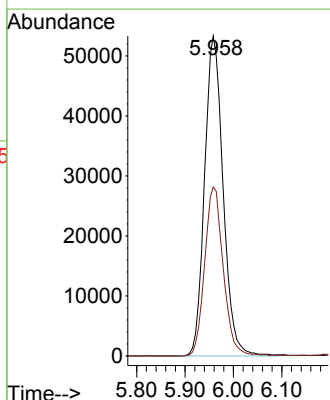
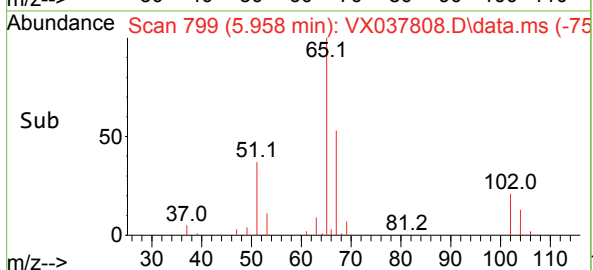
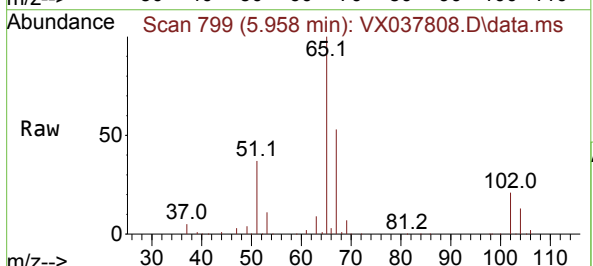


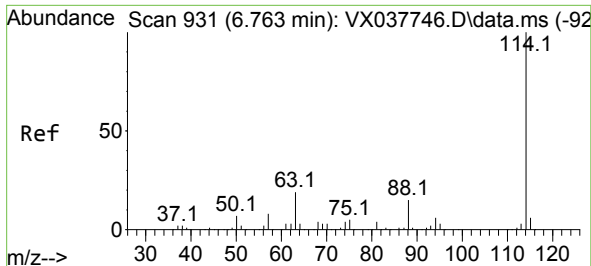
Tgt Ion: 56 Resp: 5440
Ion Ratio Lower Upper
56 100
69 30.4 23.4 35.2
84 83.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.673 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

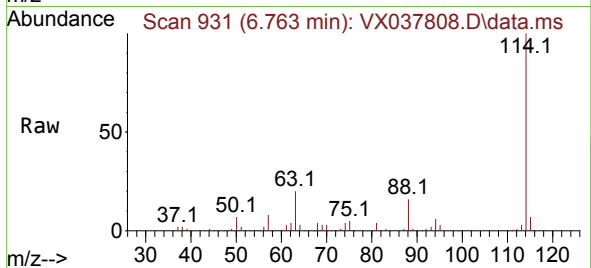
Tgt Ion: 65 Resp: 142071
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2



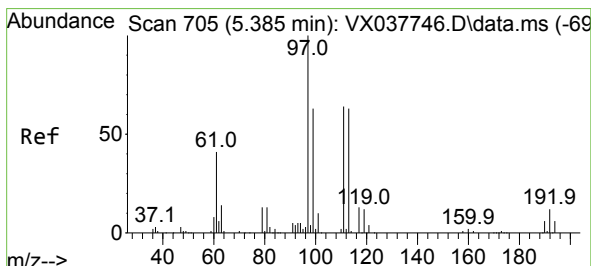
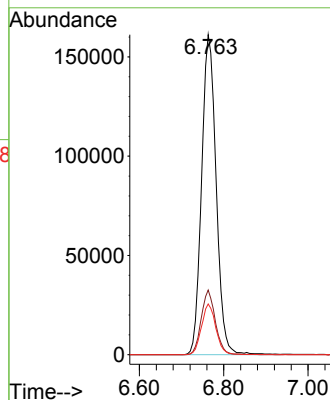
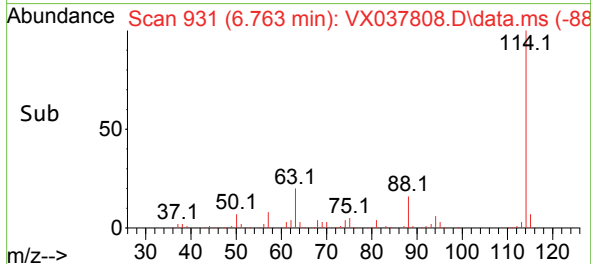


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

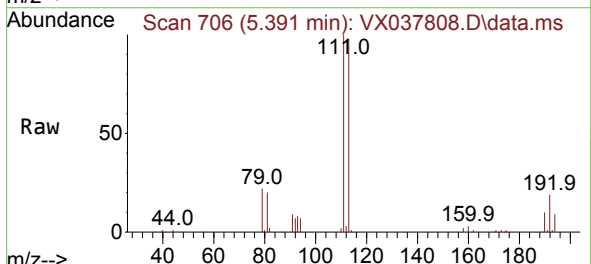
Instrument :
MSVOA_X
ClientSampleId :



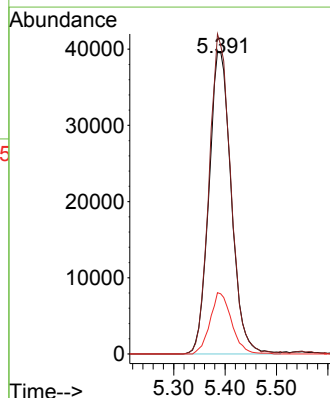
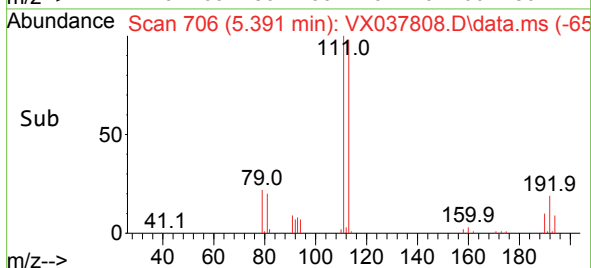
Tgt Ion:114 Resp: 387861
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 15.9 0.0 36.6

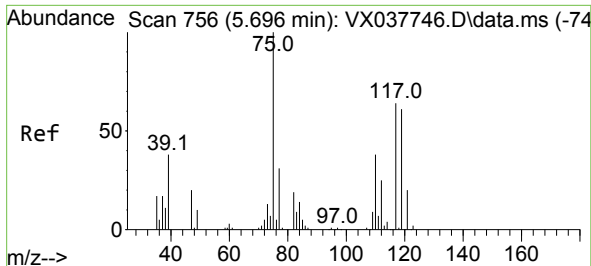


#35
Dibromofluoromethane
Concen: 46.041 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03



Tgt Ion:113 Resp: 119486
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.6 13.3 19.9

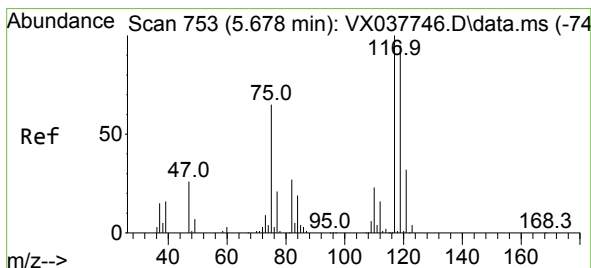
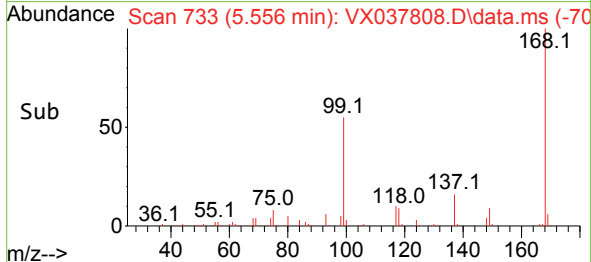
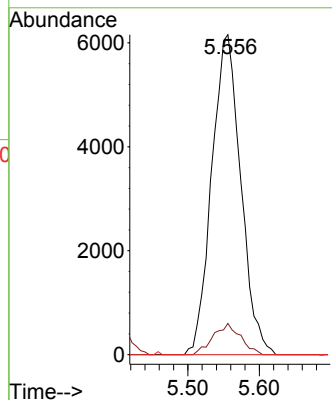
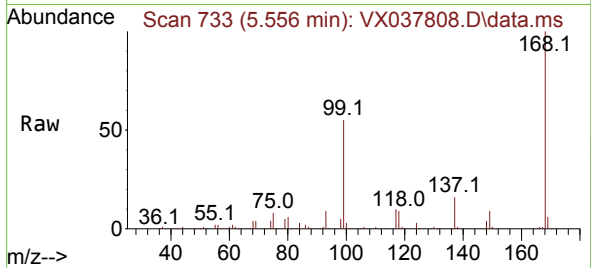




#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

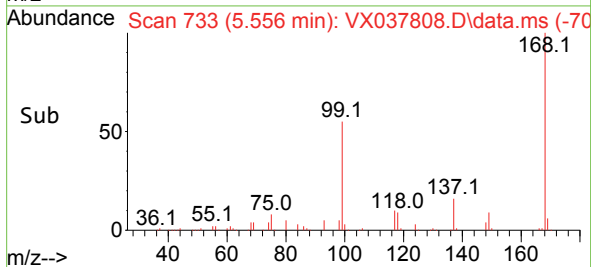
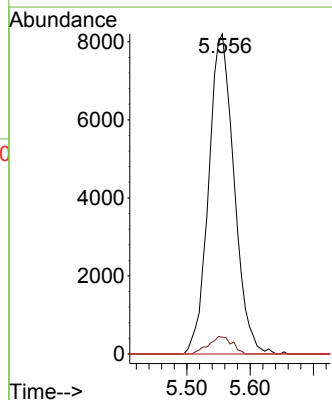
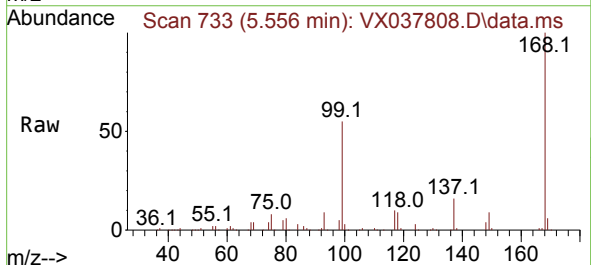
Instrument :
MSVOA_X
ClientSampleId :

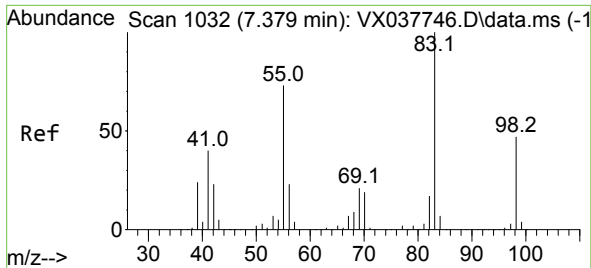
Tgt Ion: 75 Resp: 17363
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 117 Resp: 22901
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.989 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

ClientSampleId :

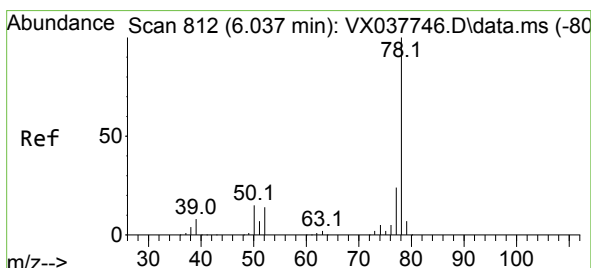
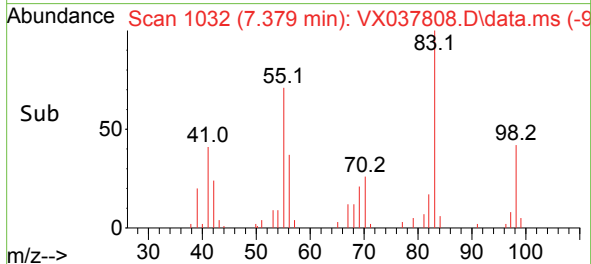
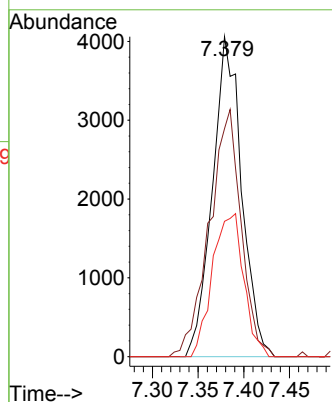
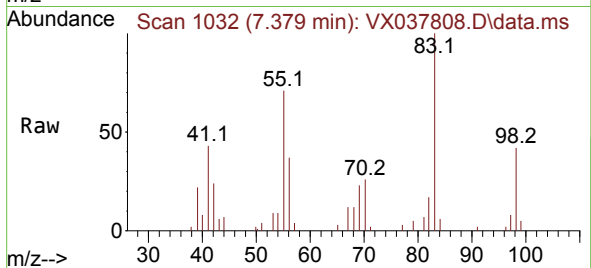
Tgt Ion: 83 Resp: 9023

Ion Ratio Lower Upper

83 100

55 71.3 64.6 97.0

98 42.3 36.7 55.1



#40

Benzene

Concen: 3.635 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX037808.D

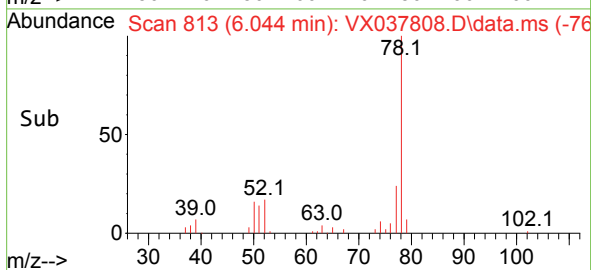
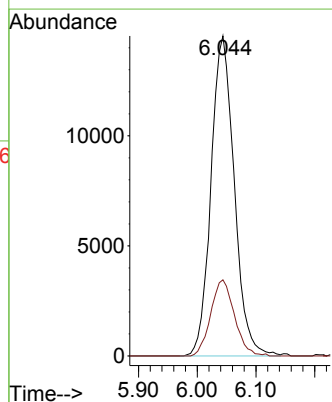
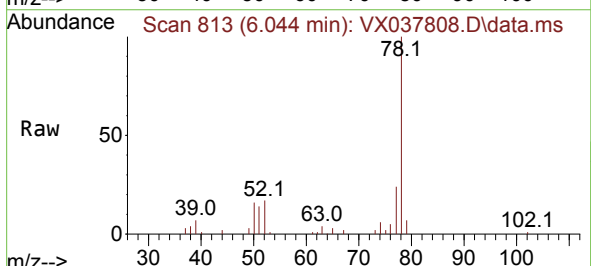
Acq: 19 Sep 2023 16:03

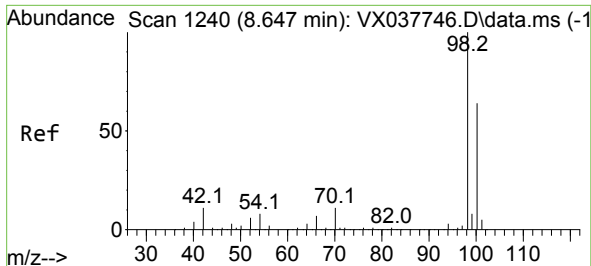
Tgt Ion: 78 Resp: 39964

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

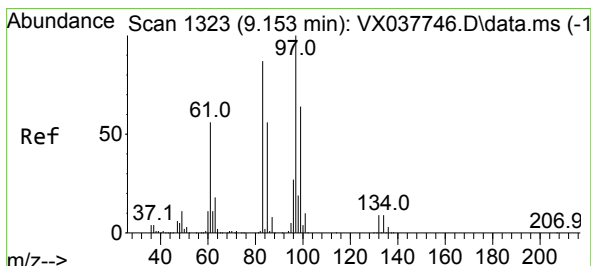
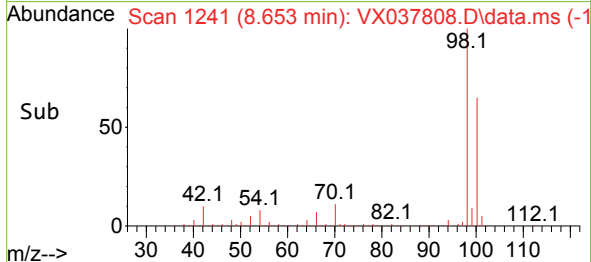
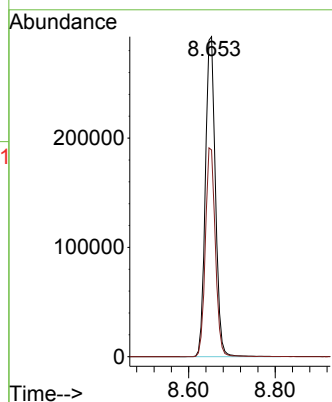
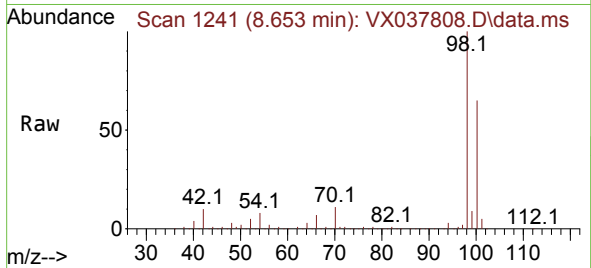




#50
Toluene-d8
Concen: 48.755 ug/l
RT: 8.653 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

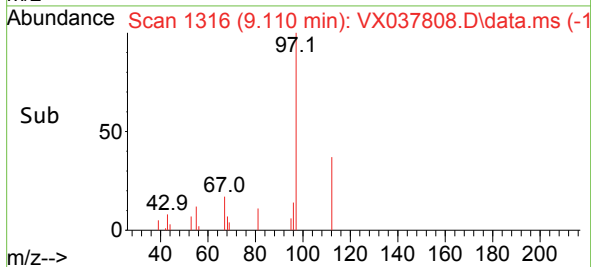
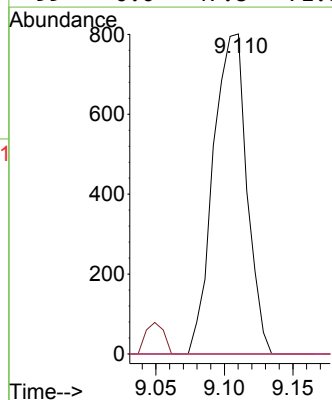
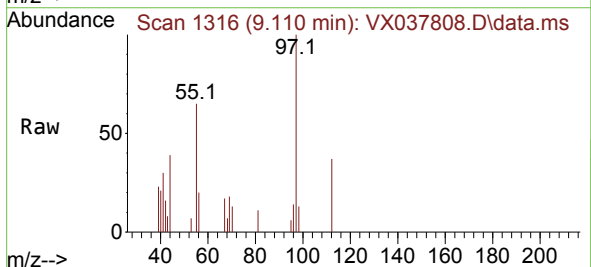
Instrument :
MSVOA_X
ClientSampleId :

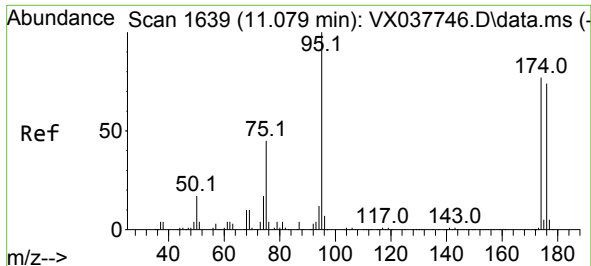
Tgt Ion: 98 Resp: 470130
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.458 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.043 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 97 Resp: 1367
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#

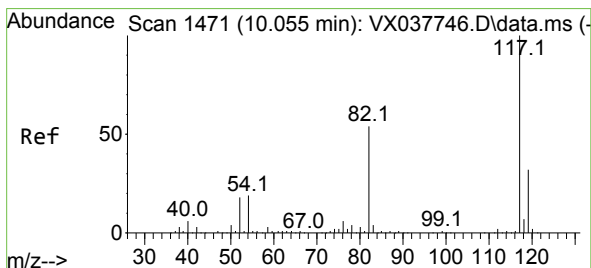
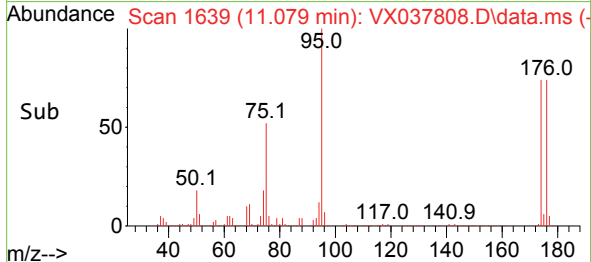
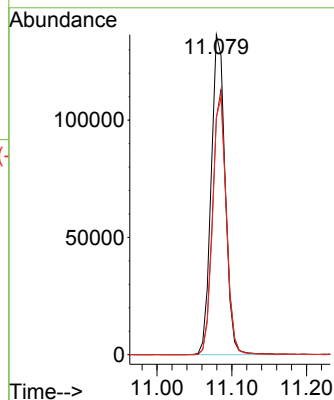
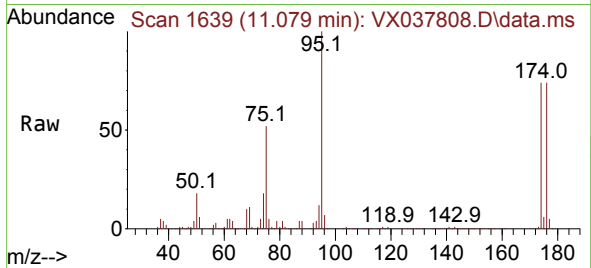




#62
4-Bromofluorobenzene
Concen: 50.695 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

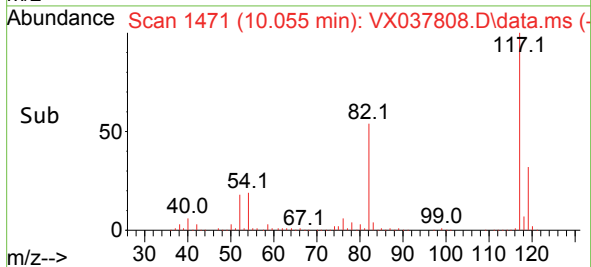
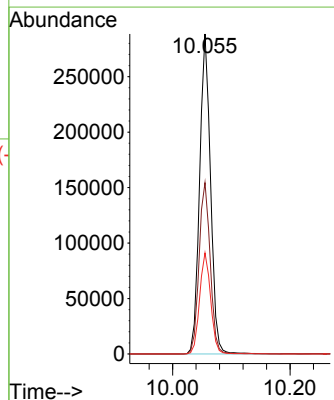
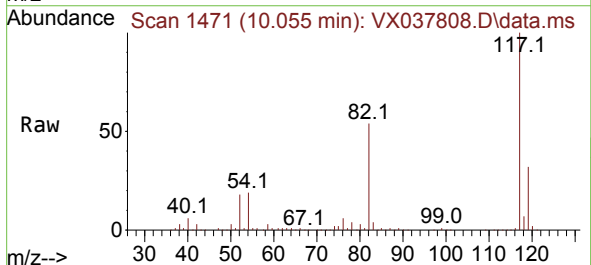
Instrument :
MSVOA_X
ClientSampleId :

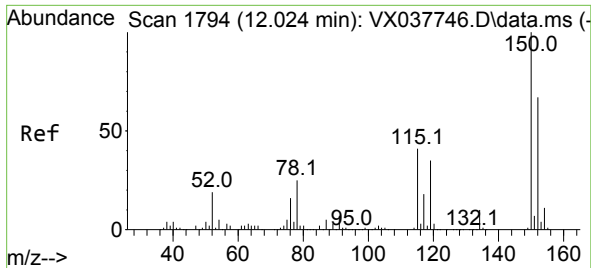
Tgt Ion: 95 Resp: 177636
Ion Ratio Lower Upper
95 100
174 81.5 0.0 135.6
176 79.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

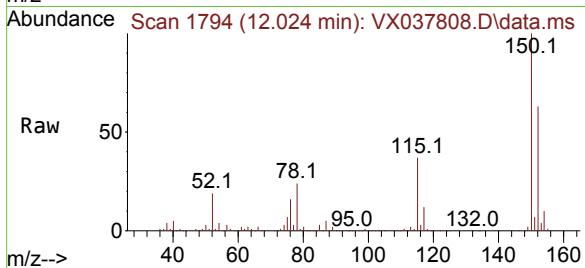
Tgt Ion: 117 Resp: 372875
Ion Ratio Lower Upper
117 100
82 53.5 46.2 69.4
119 31.6 25.5 38.3



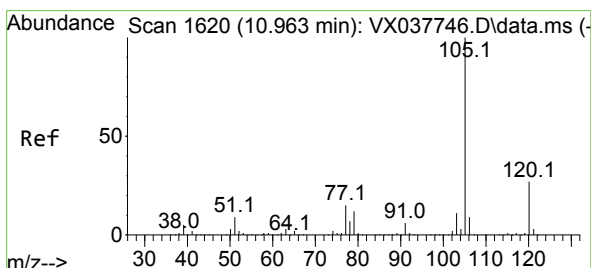
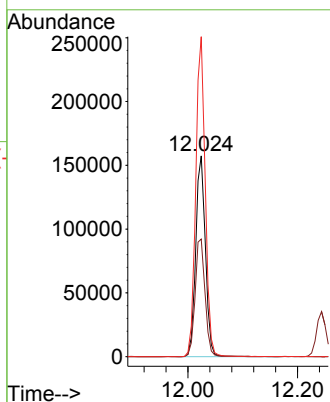
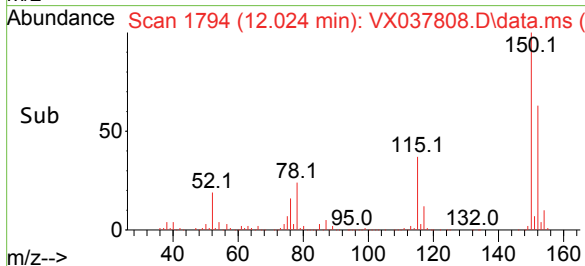


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

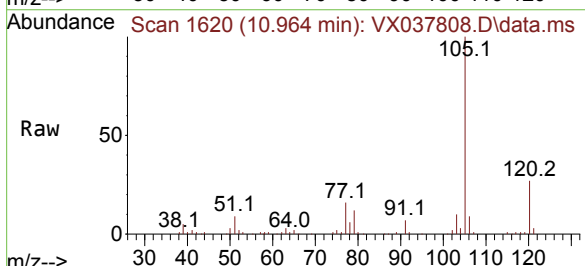
Instrument :
MSVOA_X
ClientSampleId :



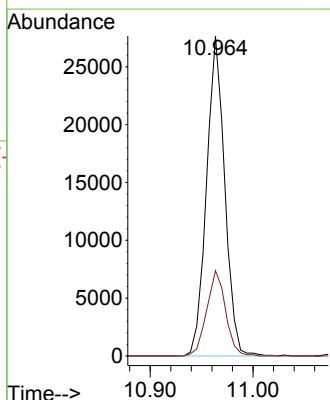
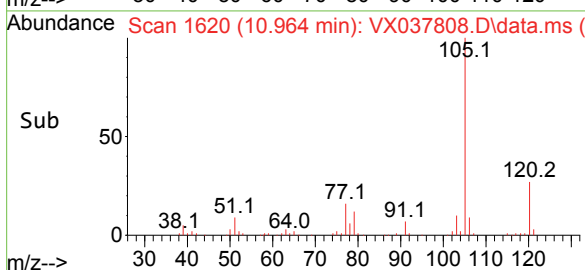
Tgt Ion:152 Resp: 193884
Ion Ratio Lower Upper
152 100
115 60.1 43.3 129.9
150 156.2 0.0 345.0

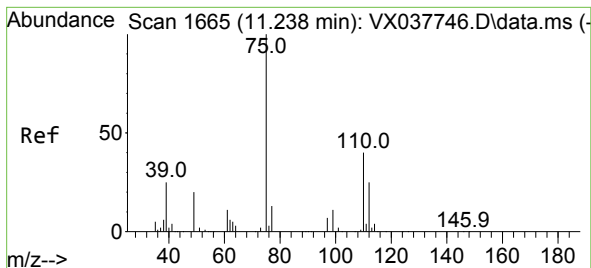


#73
Isopropylbenzene
Concen: 2.401 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03



Tgt Ion:105 Resp: 34148
Ion Ratio Lower Upper
105 100
120 27.5 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 20.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

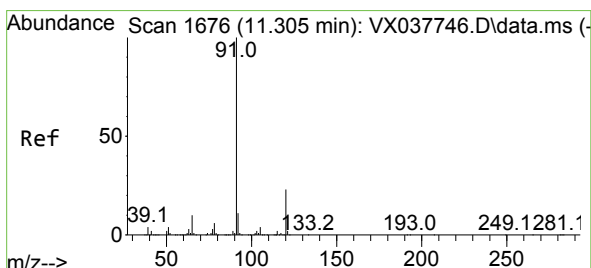
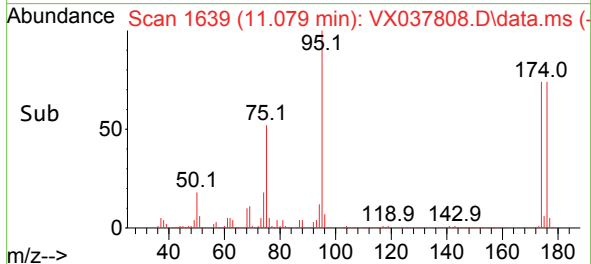
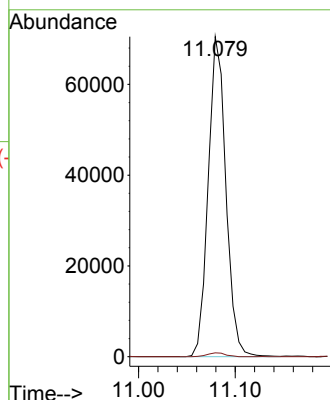
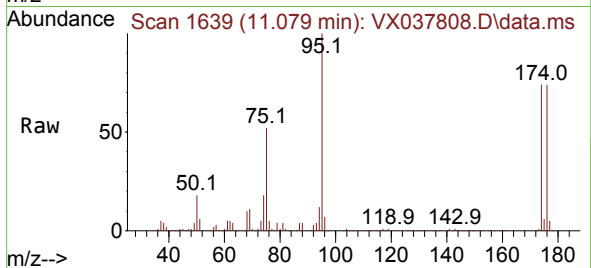
ClientSampleId :

Tgt Ion: 75 Resp: 89784

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#78

n-propylbenzene

Concen: 6.726 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037808.D

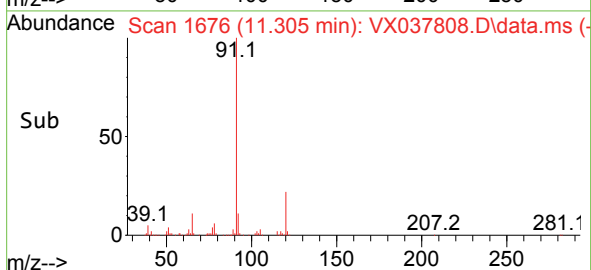
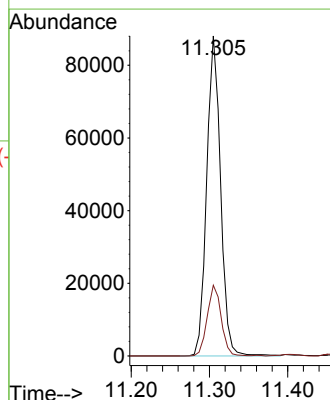
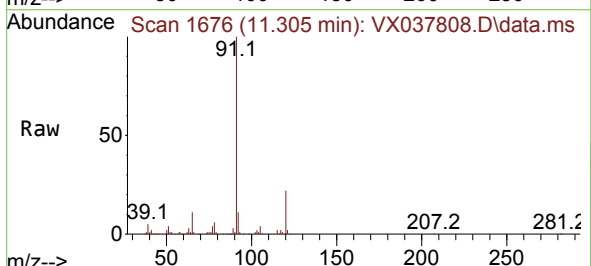
Acq: 19 Sep 2023 16:03

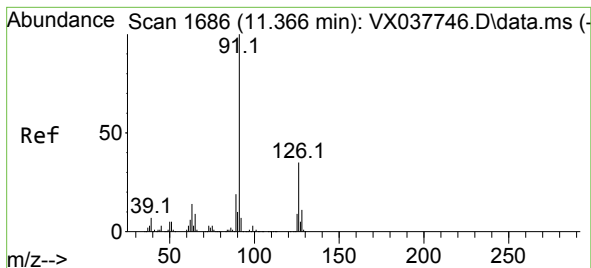
Tgt Ion: 91 Resp: 108044

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4

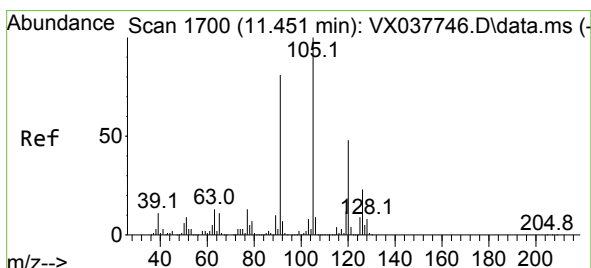
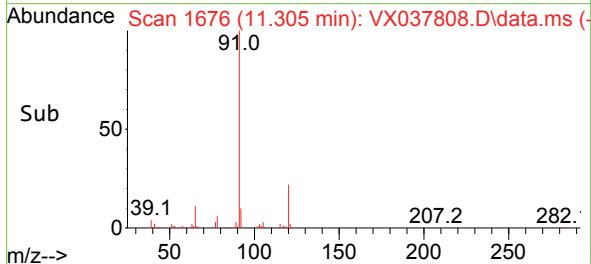
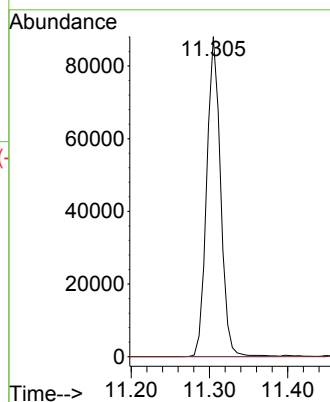
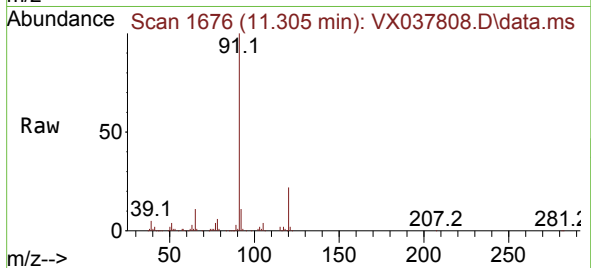




#79
2-Chlorotoluene
Concen: 10.908 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

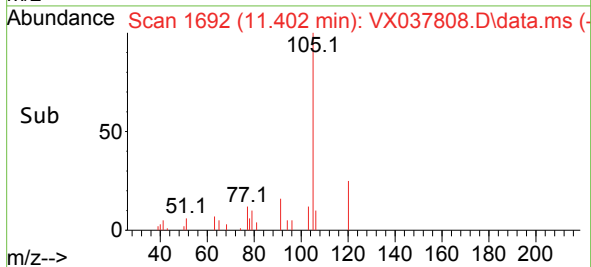
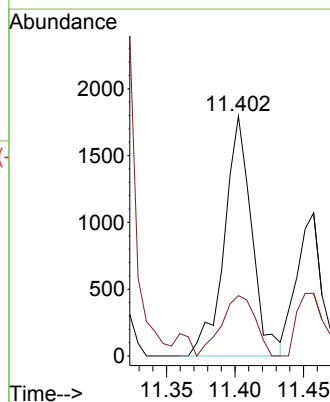
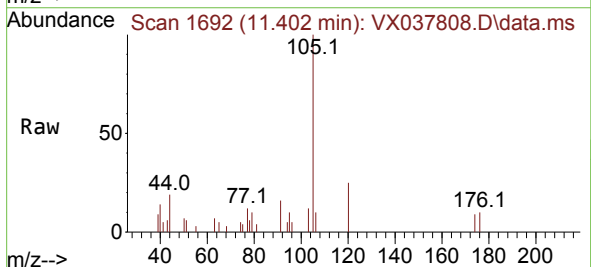
Instrument :
MSVOA_X
ClientSampleId :

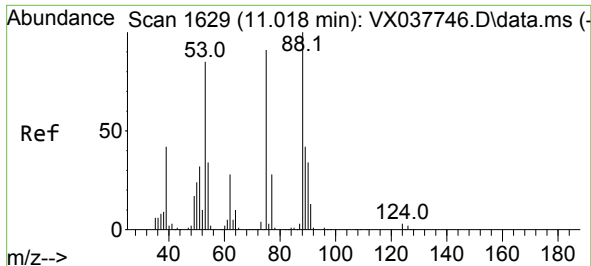
Tgt Ion: 91 Resp: 108044
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.402 min Scan# 1692
Delta R.T. -0.049 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 105 Resp: 2498
Ion Ratio Lower Upper
105 100
120 31.0 24.1 72.3

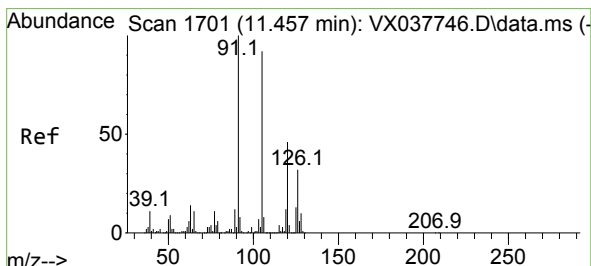
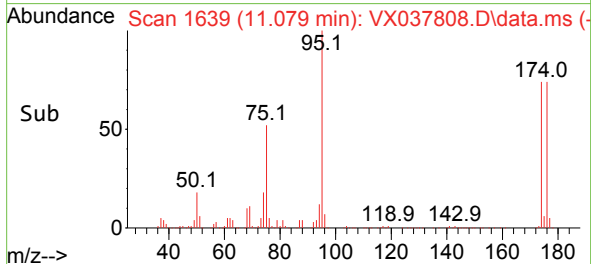
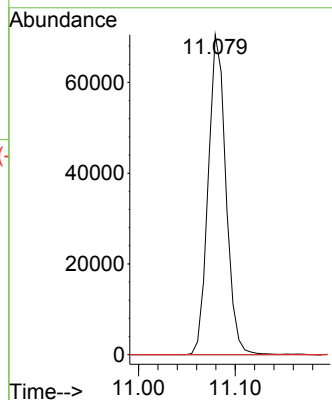
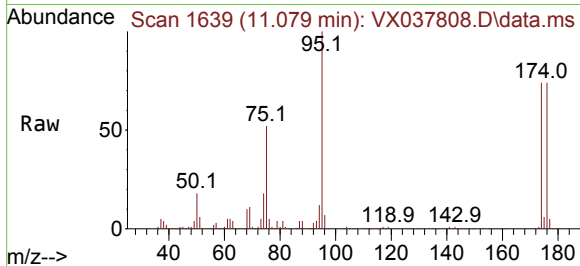




#81
trans-1,4-Dichloro-2-butene
Concen: 64.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

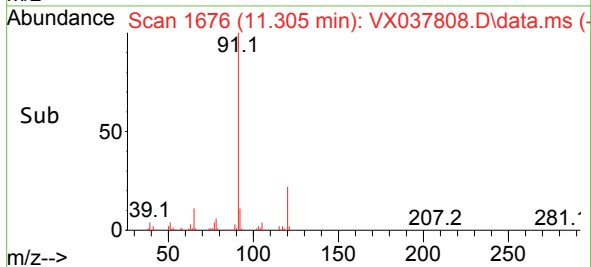
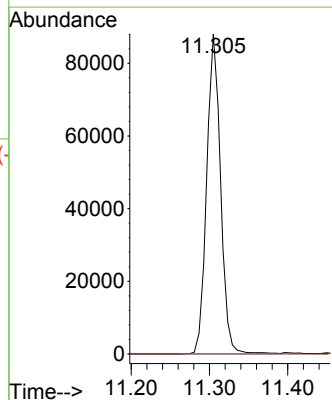
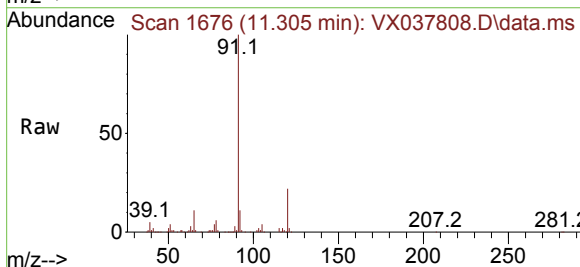
Instrument :
MSVOA_X
ClientSampleId :

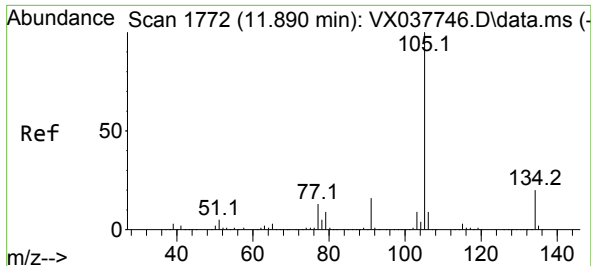
Tgt Ion: 75 Resp: 89784
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 9.689 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.152 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 91 Resp: 108044
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#

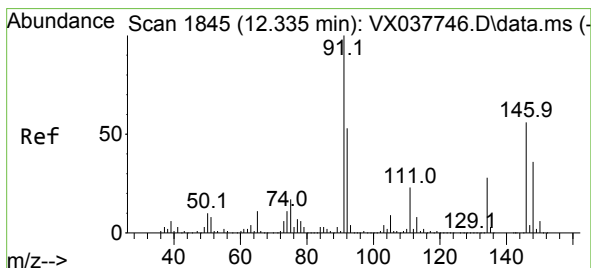
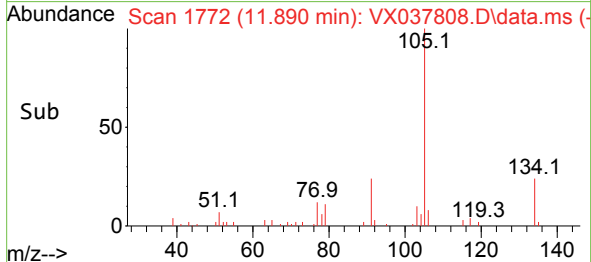
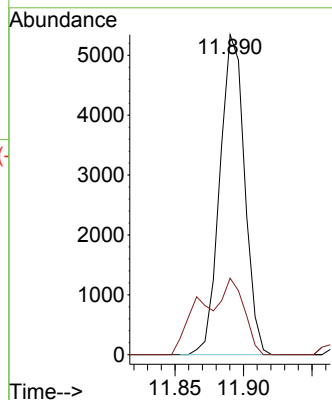
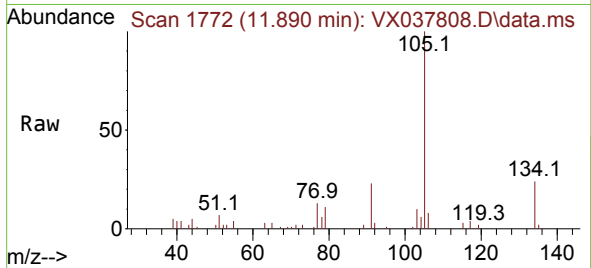




#85
 sec-Butylbenzene
 Concen: 0.456 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX037808.D
 Acq: 19 Sep 2023 16:03

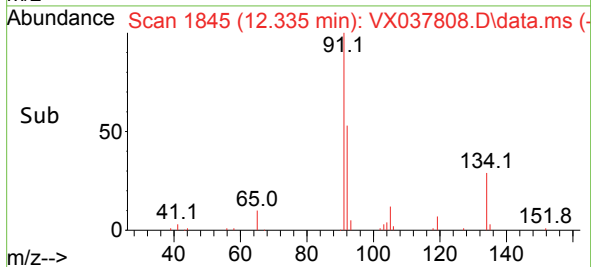
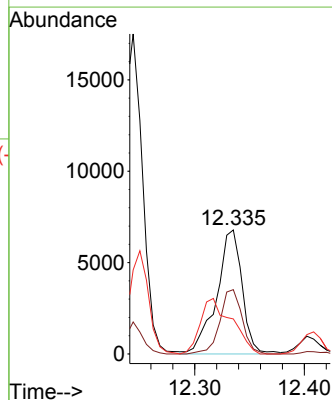
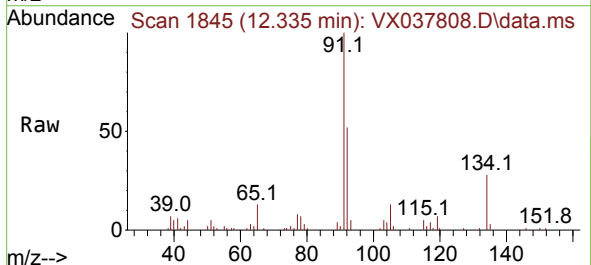
Instrument :
 MSVOA_X
 ClientSampleId :

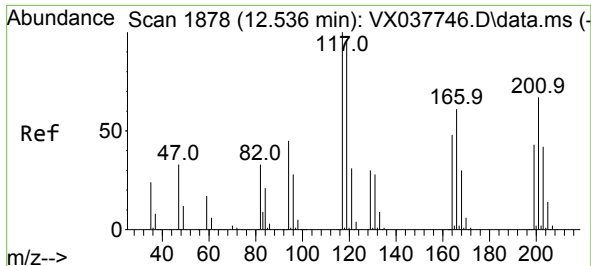
Tgt Ion:105 Resp: 6710
 Ion Ratio Lower Upper
 105 100
 134 22.1 9.8 29.4



#89
 n-Butylbenzene
 Concen: 1.027 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX037808.D
 Acq: 19 Sep 2023 16:03

Tgt Ion: 91 Resp: 11043
 Ion Ratio Lower Upper
 91 100
 92 45.0 27.4 82.0
 134 54.5 12.6 37.8#

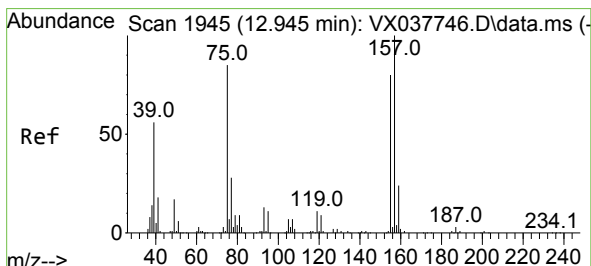
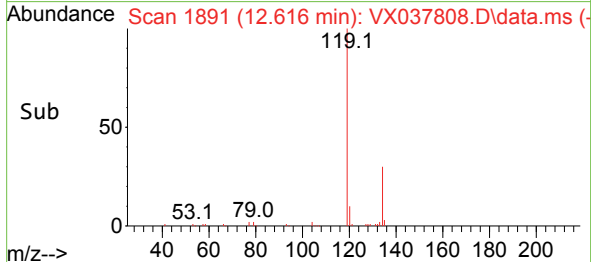
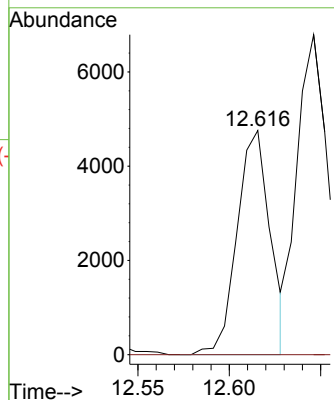
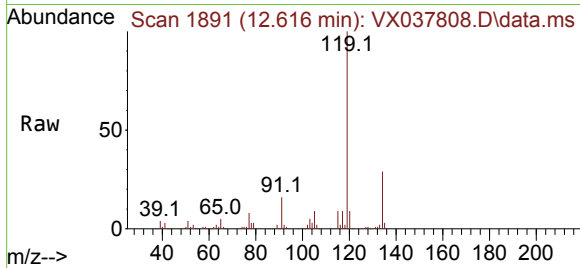




#90
Hexachloroethane
Concen: 2.878 ug/l
RT: 12.616 min Scan# 1878
Delta R.T. 0.079 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

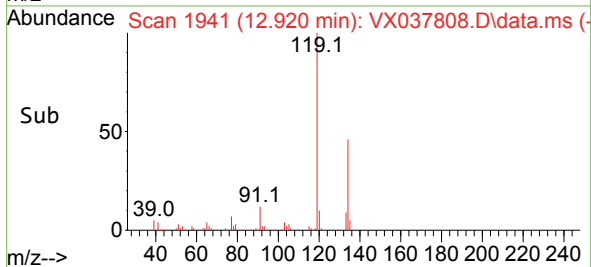
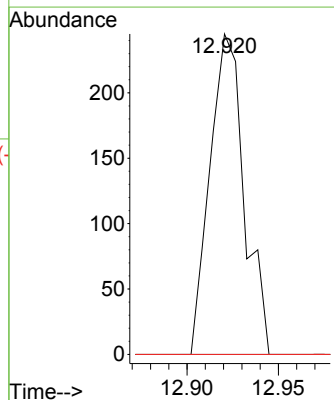
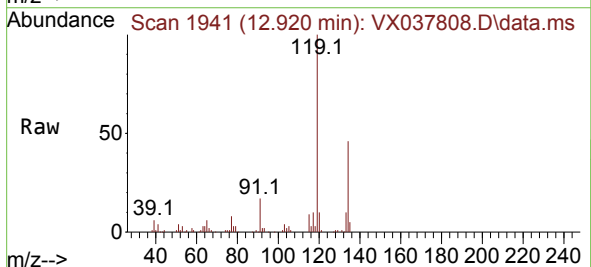
Instrument :
MSVOA_X
ClientSampleId :

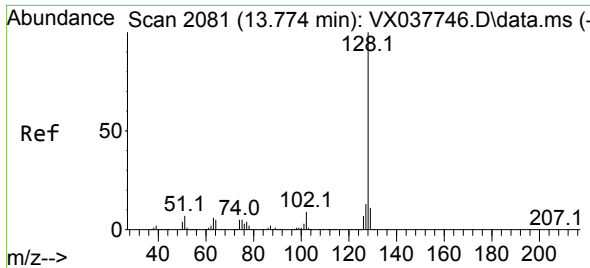
Tgt Ion:117 Resp: 5984
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.321 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

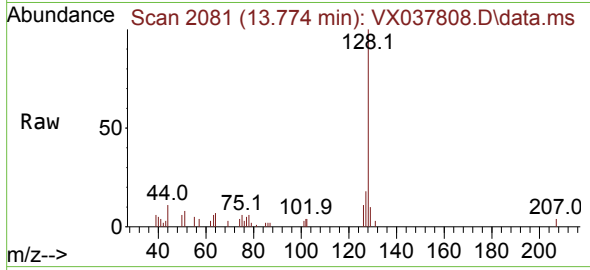
Tgt Ion: 75 Resp: 320
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#





#95
Naphthalene
Concen: 0.399 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 5326
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 18.4 8.8 13.2#

