

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037810.D
 Acq On : 19 Sep 2023 16:49
 Operator : JC/MD
 Sample : 04474-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:05:03 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

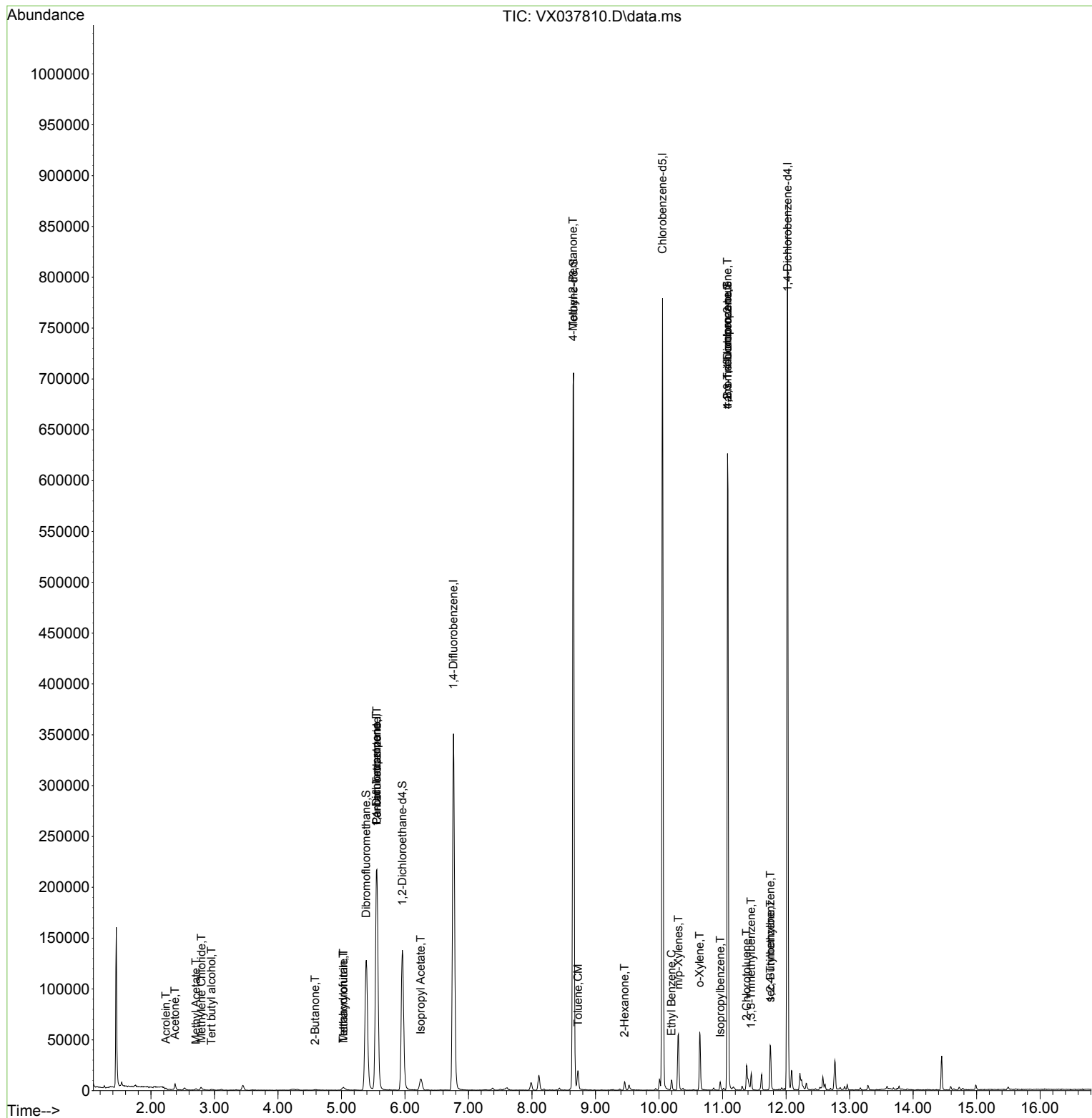
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	214736	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	361422	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134049	47.513	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.020%
35) Dibromofluoromethane	5.385	113	113538	46.950	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.900%
50) Toluene-d8	8.653	98	437818	48.725	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.460%
62) 4-Bromofluorobenzene	11.079	95	165564	50.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.420%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	954	1.575	ug/l	# 92
13) Acrolein	2.233	56	962	1.608	ug/l	89
16) Acetone	2.380	43	6441	4.746	ug/l	# 81
18) Methyl Acetate	2.709	43	1868	0.382	ug/l	100
20) Methylene Chloride	2.794	84	963	0.359	ug/l	# 68
25) 2-Butanone	4.587	43	648	0.338	ug/l	# 88
29) Tetrahydrofuran	5.026	42	2915	2.447	ug/l	97
36) 1,1-Dichloropropene	5.550	75	15924	4.780	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	21451	6.154	ug/l	# 15
41) Methacrylonitrile	5.032	41	1733	0.928	ug/l	# 49
43) Isopropyl Acetate	6.245	43	2808	0.480	ug/l	# 62
51) 4-Methyl-2-Pentanone	8.647	43	2246	0.605	ug/l	# 1
52) Toluene	8.726	92	7645	1.158	ug/l	96
59) 2-Hexanone	9.458	43	805	0.278	ug/l	88
67) Ethyl Benzene	10.195	91	6068	0.463	ug/l	94
68) m/p-Xylenes	10.305	106	14098	2.784	ug/l	100
69) o-Xylene	10.640	106	13151	2.590	ug/l	100
73) Isopropylbenzene	10.964	105	4069	0.302	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	84890	19.973	ug/l	# 39
79) 2-Chlorotoluene	11.378	91	2321	0.247	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	7142	0.627	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	84890	63.982	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	20233	1.786	ug/l	96
85) sec-Butylbenzene	11.756	105	20233	1.449	ug/l	# 57

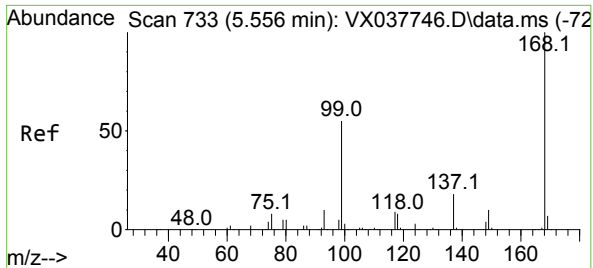
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

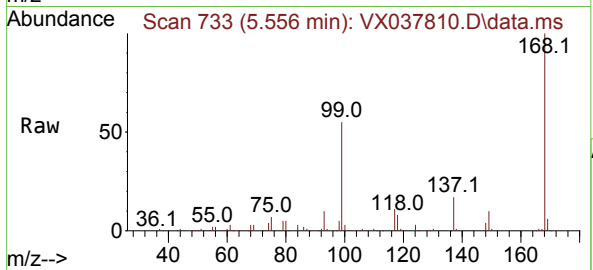
Quant Time: Sep 20 01:05:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
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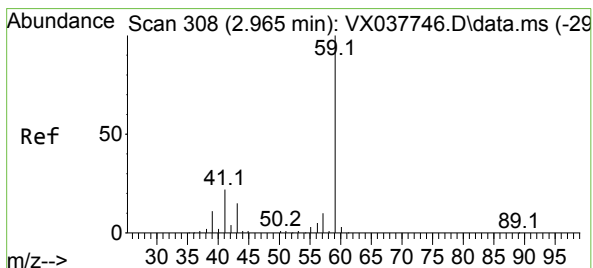
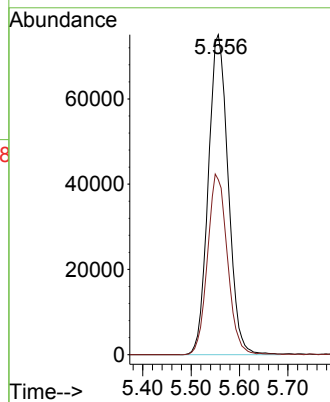
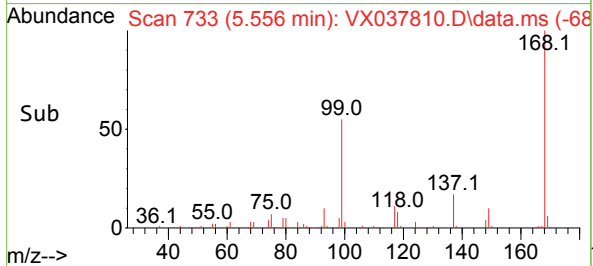


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

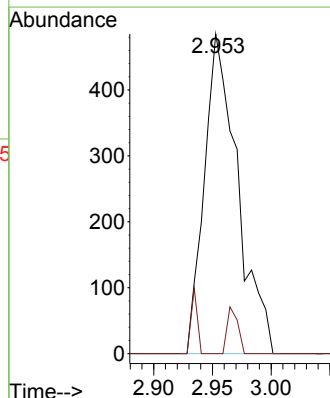
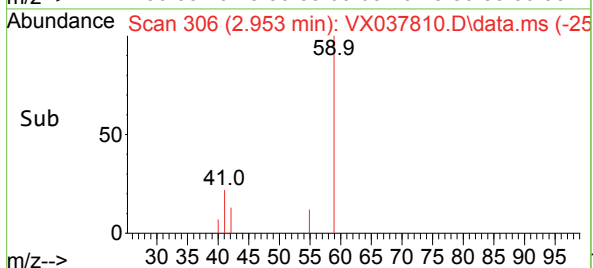
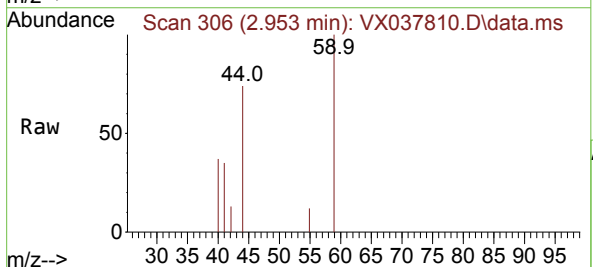


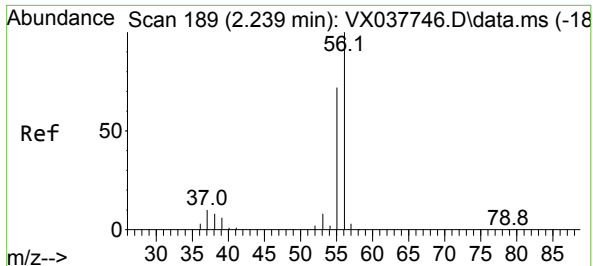
Tgt Ion:168 Resp: 214736
Ion Ratio Lower Upper
168 100
99 54.7 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.575 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 59 Resp: 954
Ion Ratio Lower Upper
59 100
57 4.7 6.0 9.0#





#13

Acrolein

Concen: 1.608 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

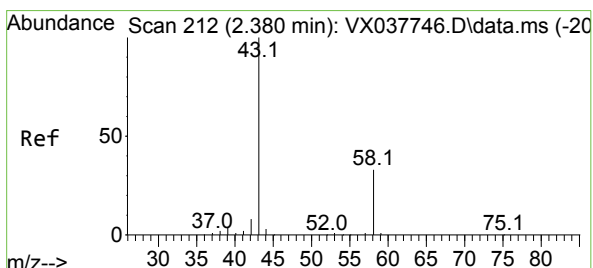
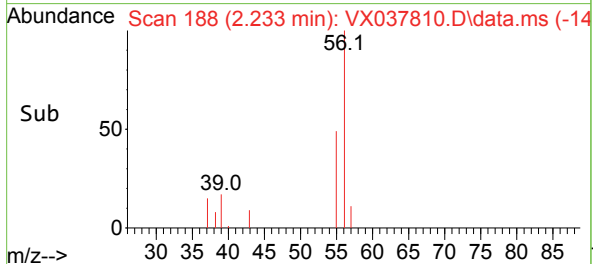
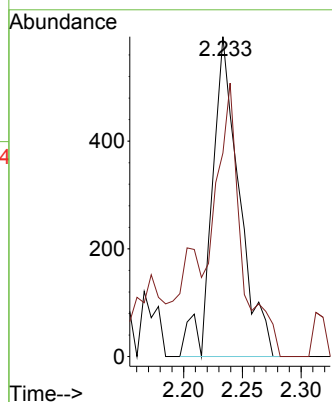
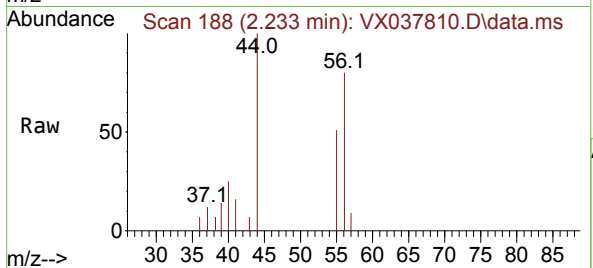
ClientSampleId :

Tgt Ion: 56 Resp: 962

Ion Ratio Lower Upper

56 100

55 80.8 57.1 85.7



#16

Acetone

Concen: 4.746 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037810.D

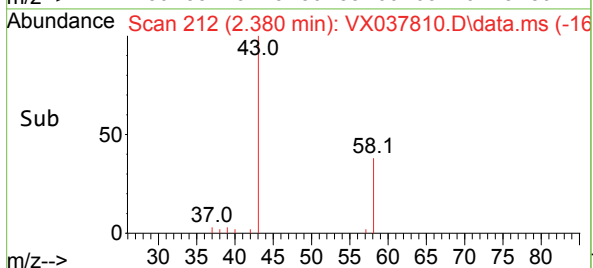
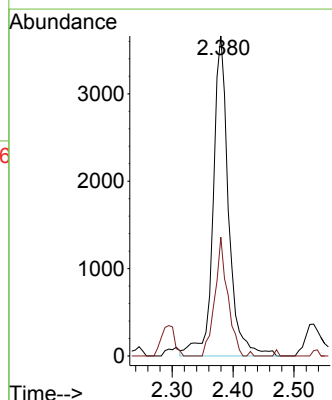
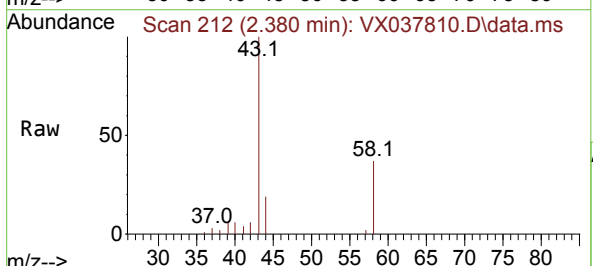
Acq: 19 Sep 2023 16:49

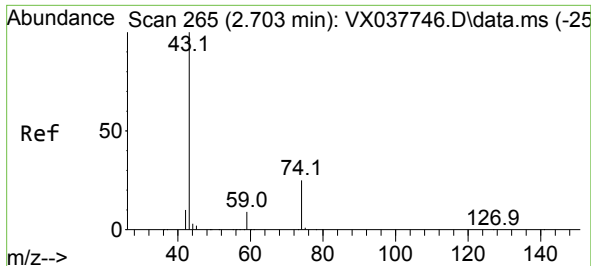
Tgt Ion: 43 Resp: 6441

Ion Ratio Lower Upper

43 100

58 37.1 21.9 32.9#

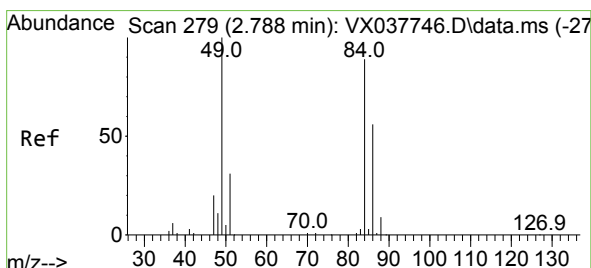
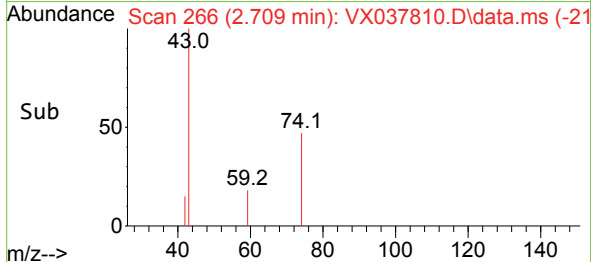
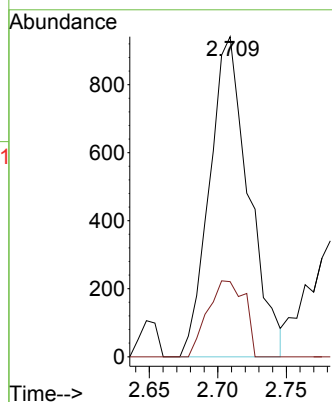
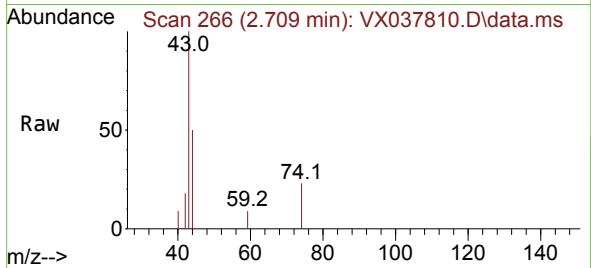




#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

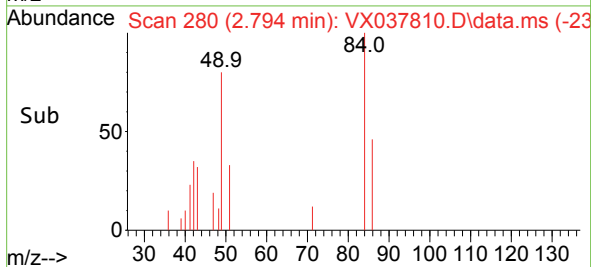
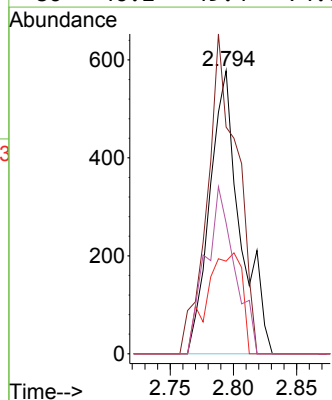
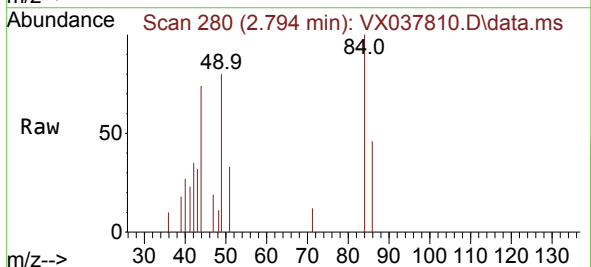
Instrument :
MSVOA_X
ClientSampleId :

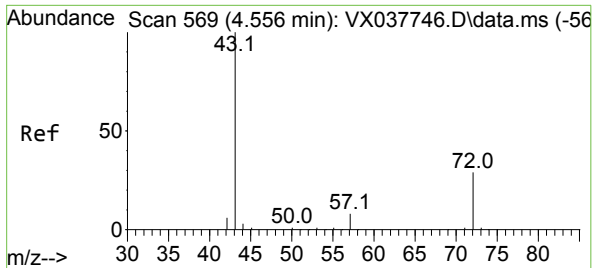
Tgt Ion: 43 Resp: 1868
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 0.359 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 84 Resp: 963
Ion Ratio Lower Upper
84 100
49 80.1 103.6 155.4#
51 32.7 33.8 50.6#
86 46.2 49.4 74.0#





#25

2-Butanone

Concen: 0.338 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

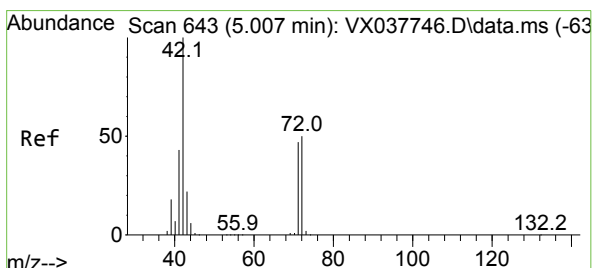
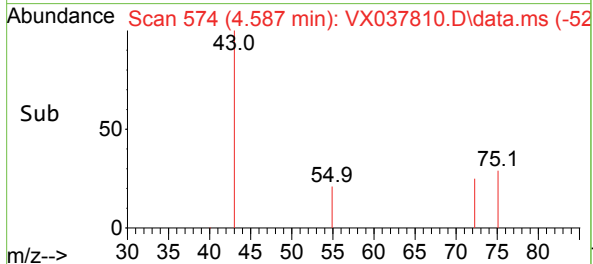
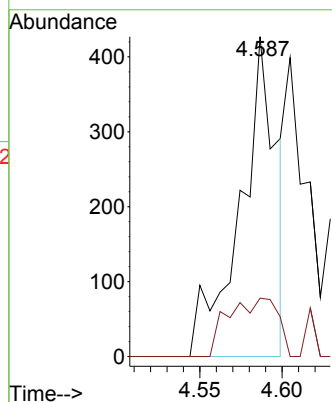
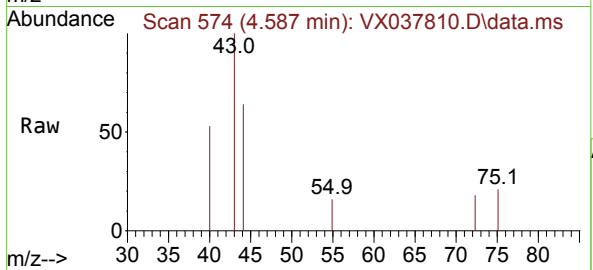
ClientSampleId :

Tgt Ion: 43 Resp: 648

Ion Ratio Lower Upper

43 100

72 18.3 19.4 29.2#



#29

Tetrahydrofuran

Concen: 2.447 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

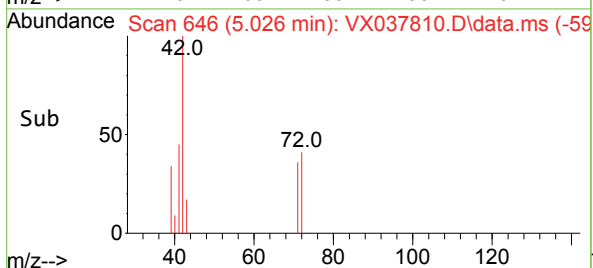
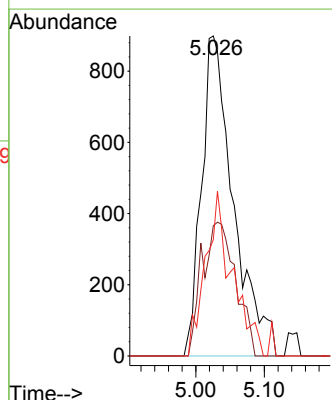
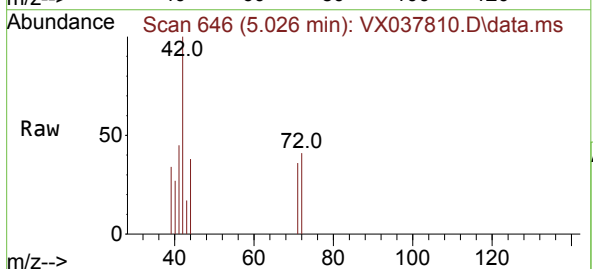
Tgt Ion: 42 Resp: 2915

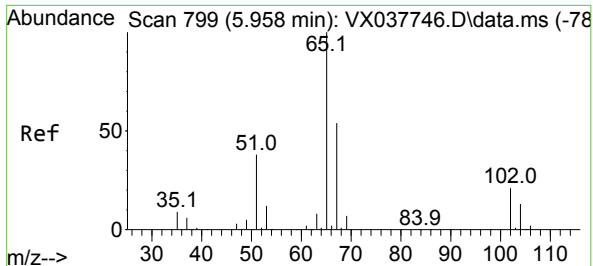
Ion Ratio Lower Upper

42 100

72 44.0 34.2 51.4

71 43.1 32.2 48.2





#33

1,2-Dichloroethane-d4

Concen: 47.513 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

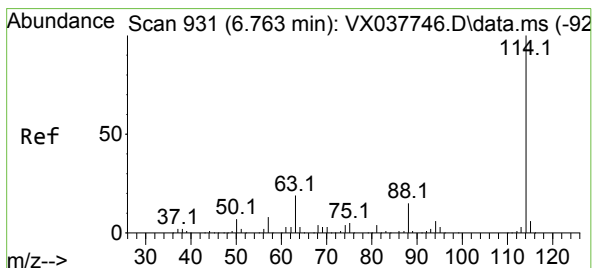
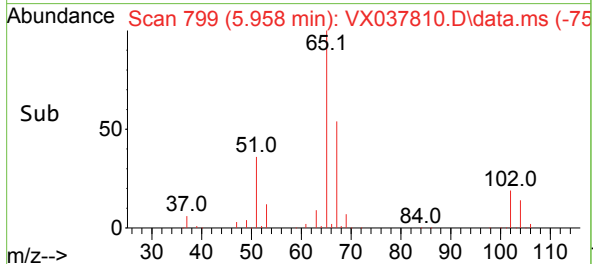
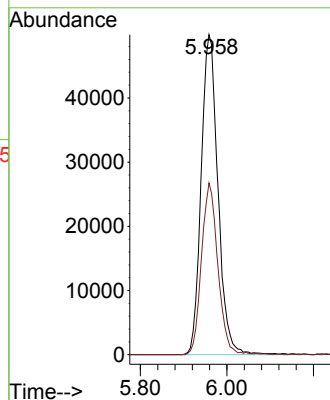
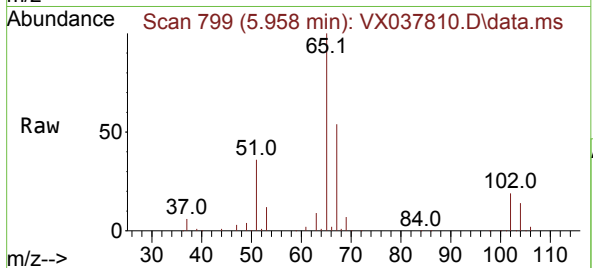
ClientSampleId :

Tgt Ion: 65 Resp: 134049

Ion Ratio Lower Upper

65 100

67 52.2 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: VX037810.D

Acq: 19 Sep 2023 16:49

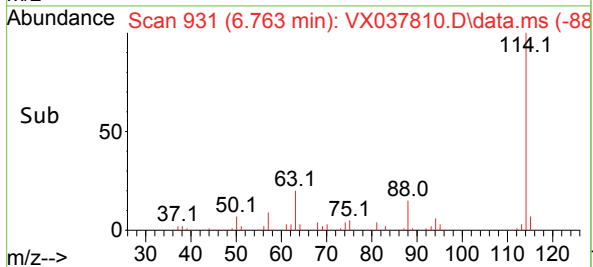
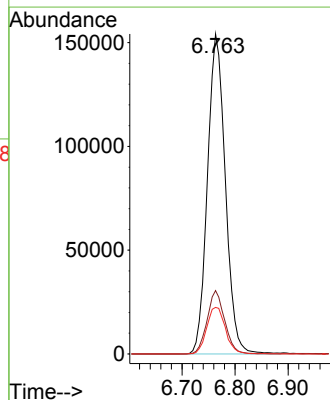
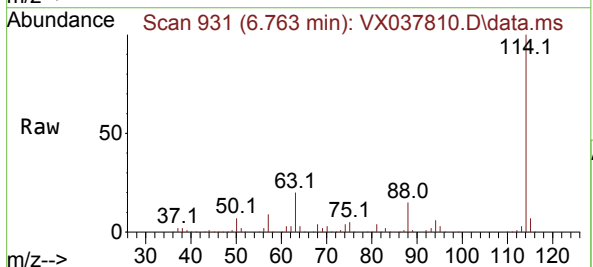
Tgt Ion:114 Resp: 361422

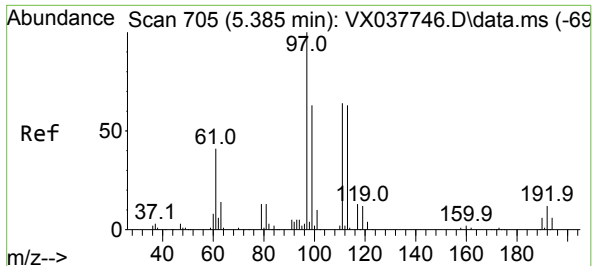
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

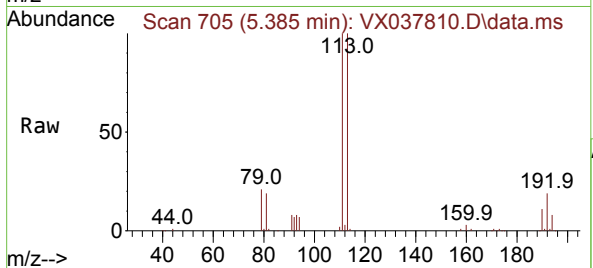
88 14.5 0.0 36.6



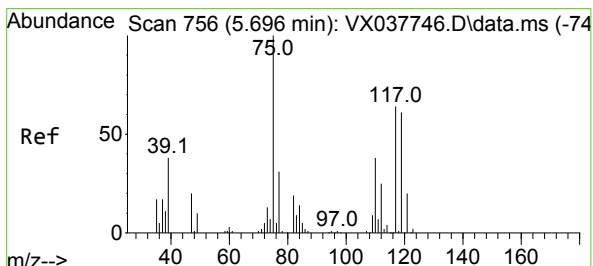
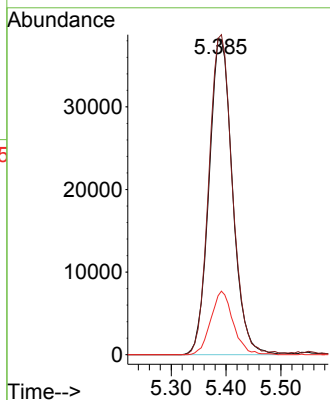
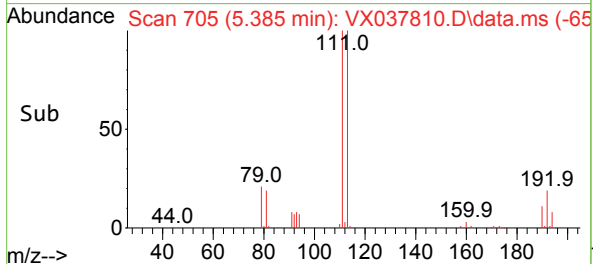


#35
Dibromofluoromethane
Concen: 46.950 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

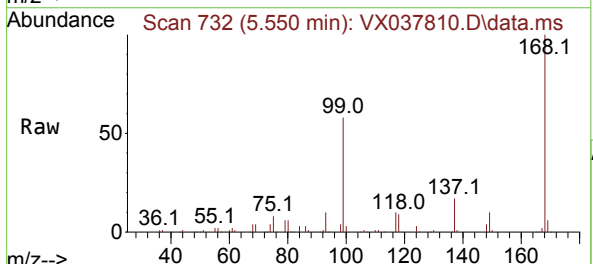
Instrument :
MSVOA_X
ClientSampleId :



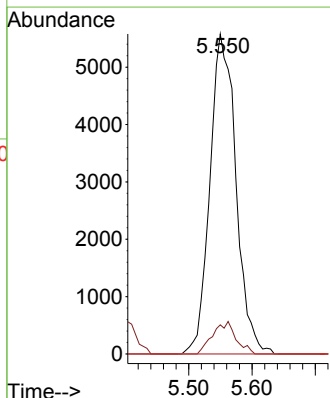
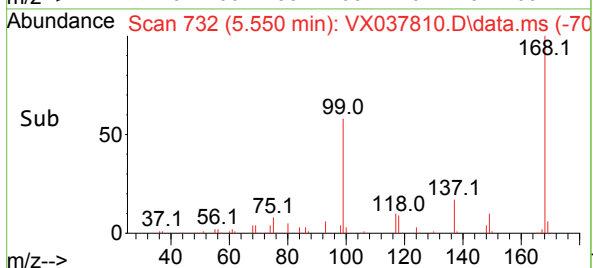
Tgt Ion:113 Resp: 113538
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.2 13.3 19.9

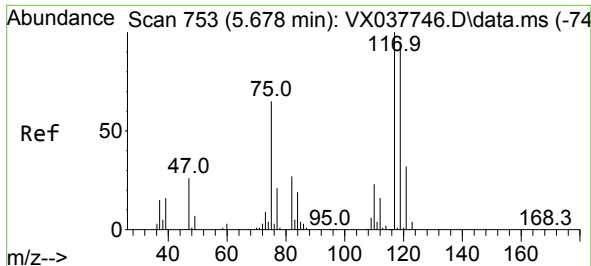


#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49



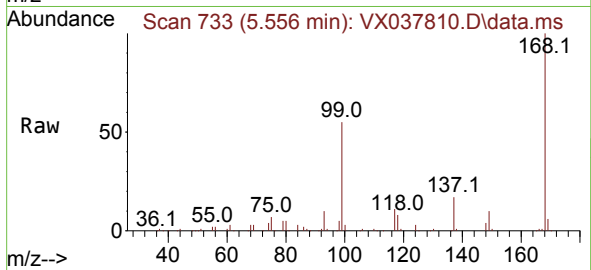
Tgt Ion: 75 Resp: 15924
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



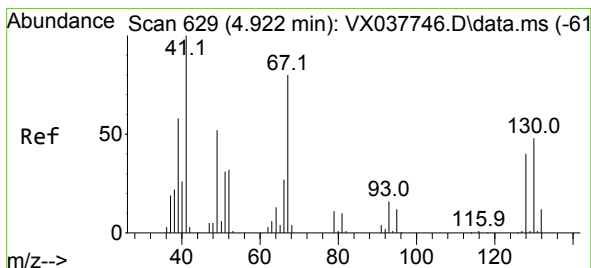
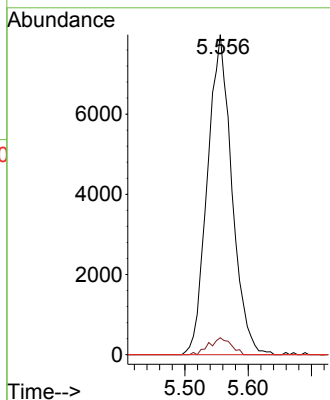
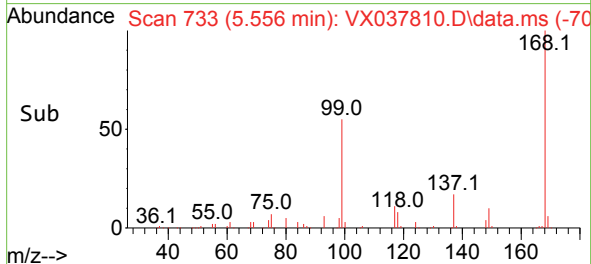


#38
Carbon Tetrachloride
Concen: 6.154 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

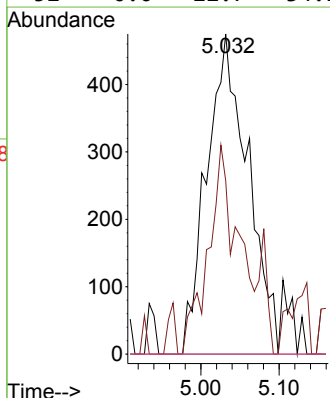
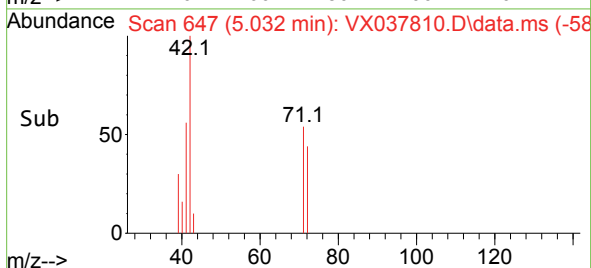
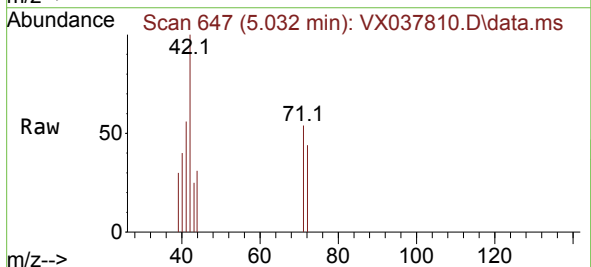


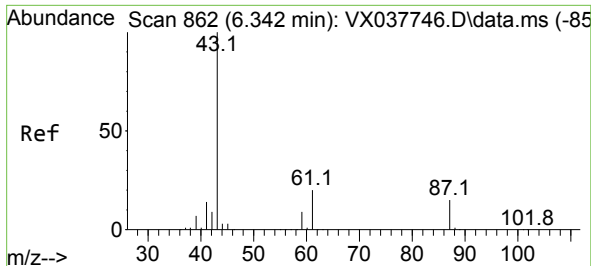
Tgt Ion:117 Resp: 21451
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.928 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.085 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

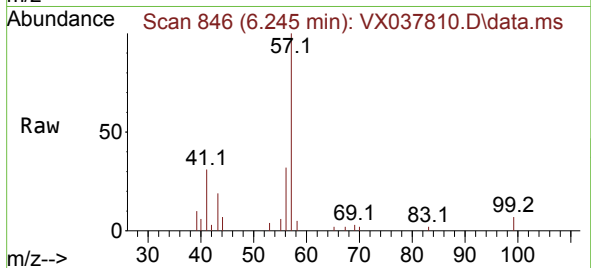
Tgt Ion: 41 Resp: 1733
Ion Ratio Lower Upper
41 100
39 47.8 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



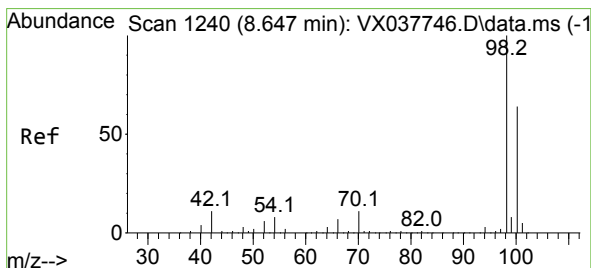
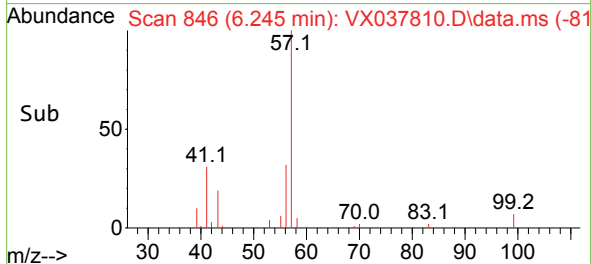
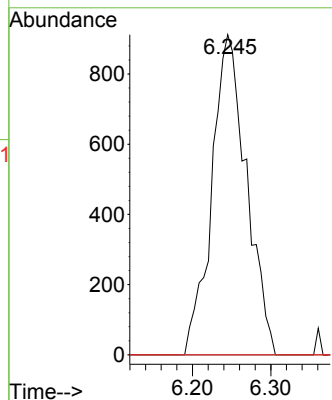


#43
Isopropyl Acetate
Concen: 0.480 ug/l
RT: 6.245 min Scan# 84
Delta R.T. -0.098 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

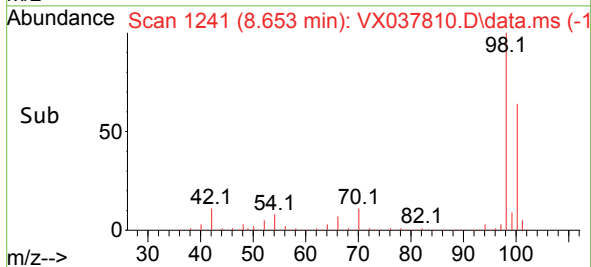
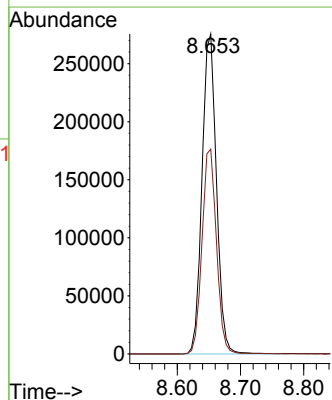
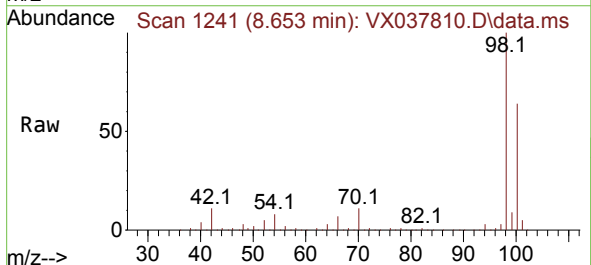


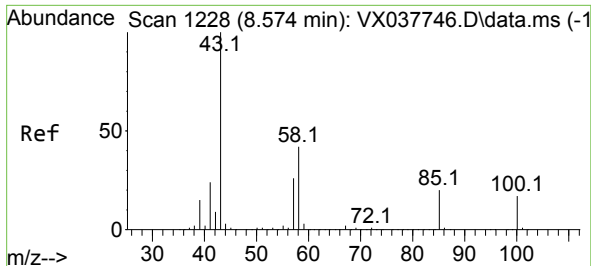
Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 48.725 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 98 Resp: 437818
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

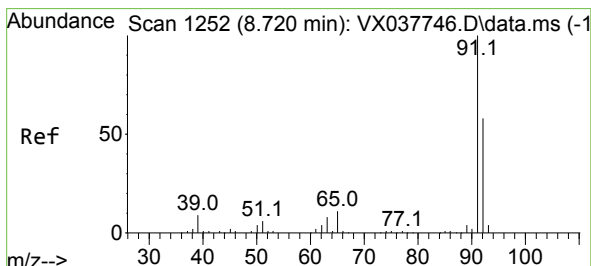
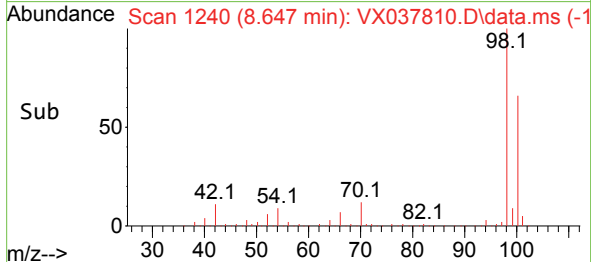
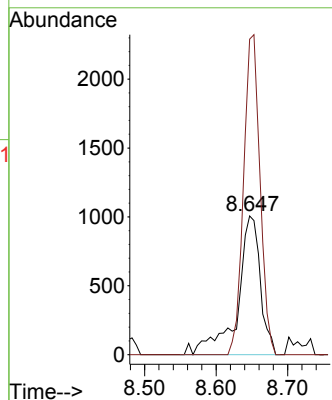
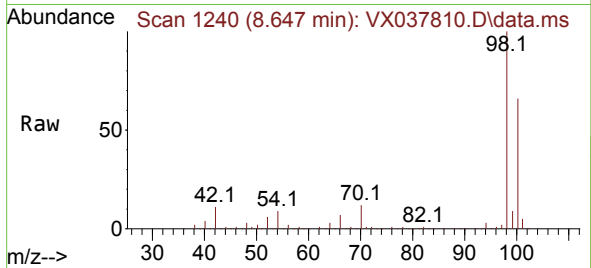




#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

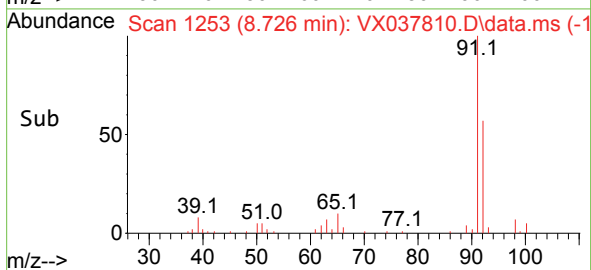
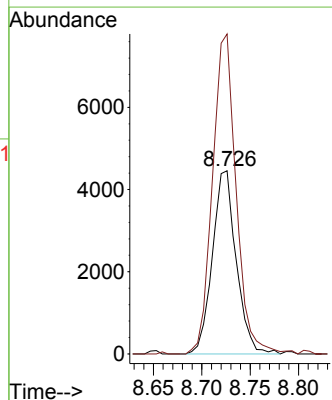
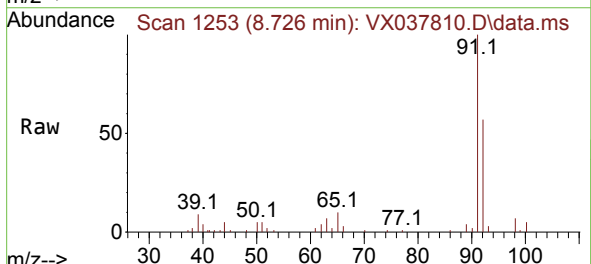
Instrument :
MSVOA_X
ClientSampleId :

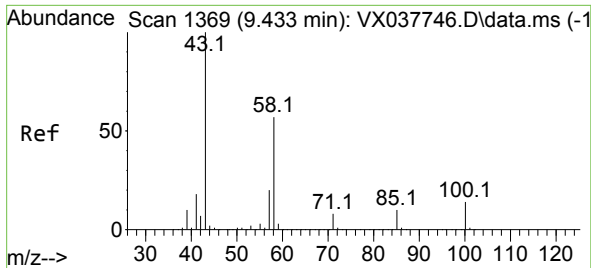
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 165.0 30.4 45.6#



#52
Toluene
Concen: 1.158 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 92 Resp: 7645
Ion Ratio Lower Upper
92 100
91 173.2 134.2 201.2

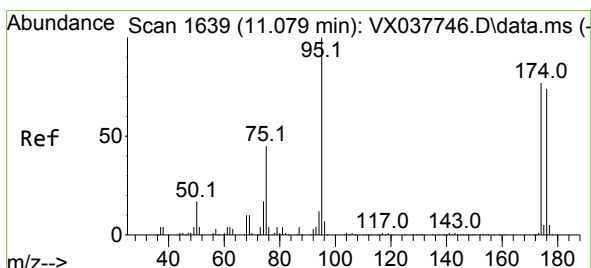
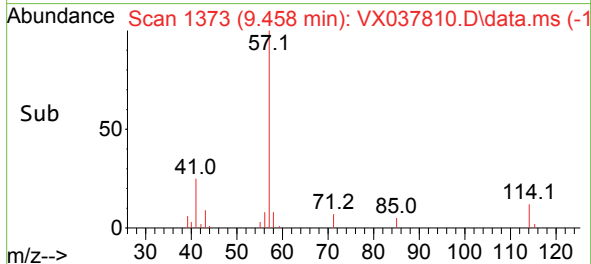
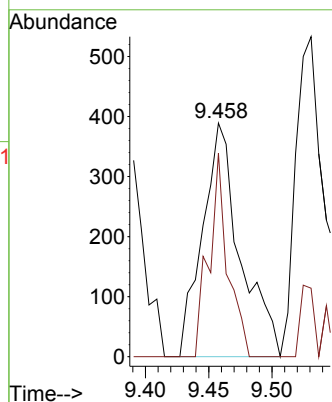
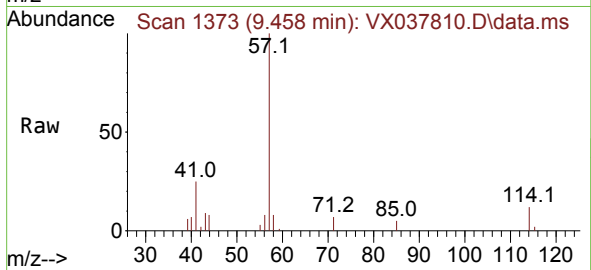




#59
2-Hexanone
Concen: 0.278 ug/l
RT: 9.458 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

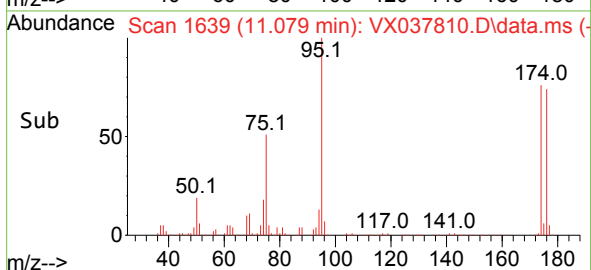
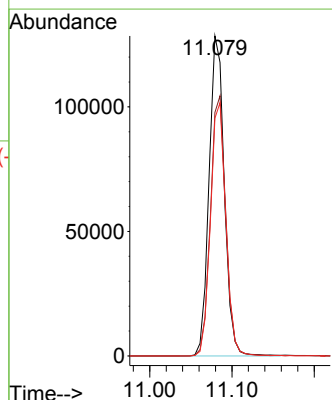
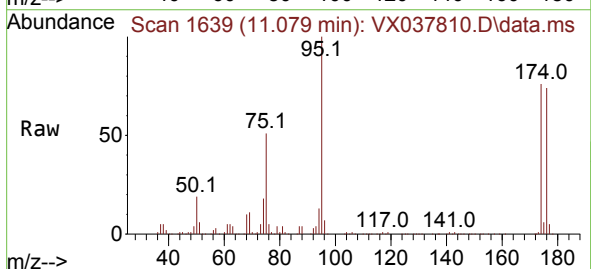
Instrument :
MSVOA_X
ClientSampleId :

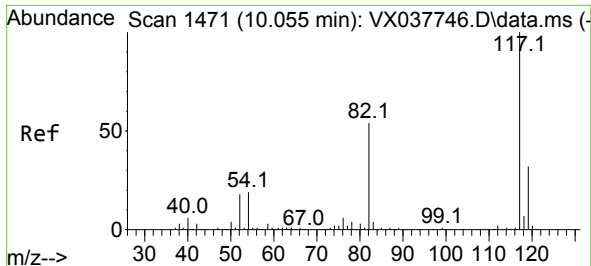
Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 43.6 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 95 Resp: 165564
Ion Ratio Lower Upper
95 100
174 82.0 0.0 135.6
176 79.9 0.0 131.0

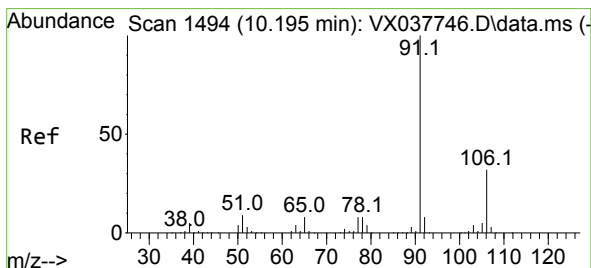
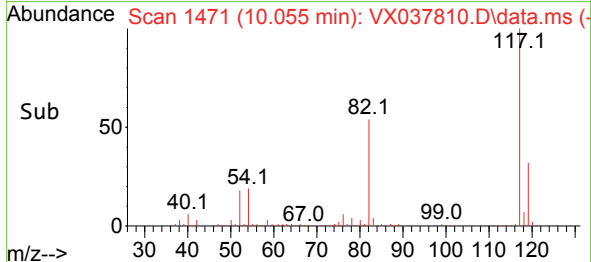
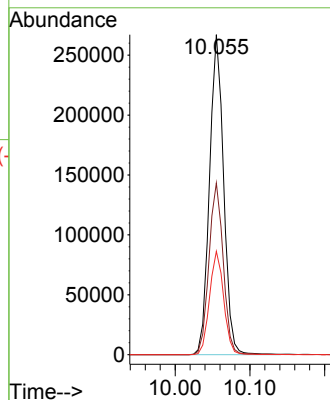
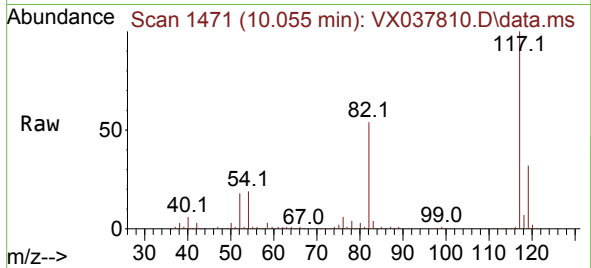




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

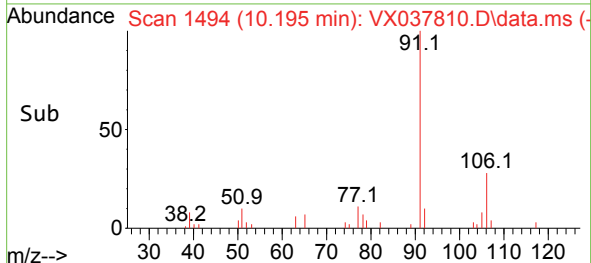
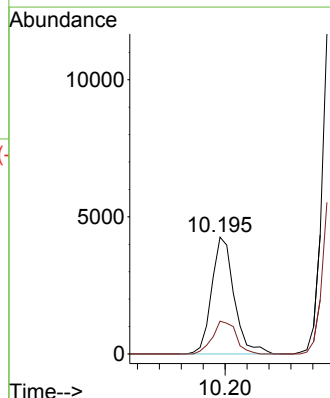
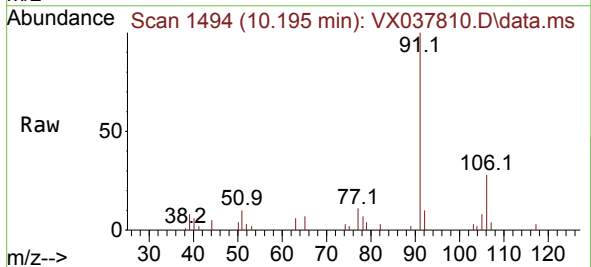
Instrument :
MSVOA_X
ClientSampleId :

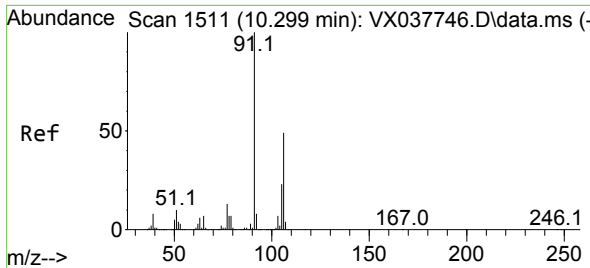
Tgt Ion:117 Resp: 350450
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 32.3 25.5 38.3



#67
Ethyl Benzene
Concen: 0.463 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

Tgt Ion: 91 Resp: 6068
Ion Ratio Lower Upper
91 100
106 28.1 24.9 37.3

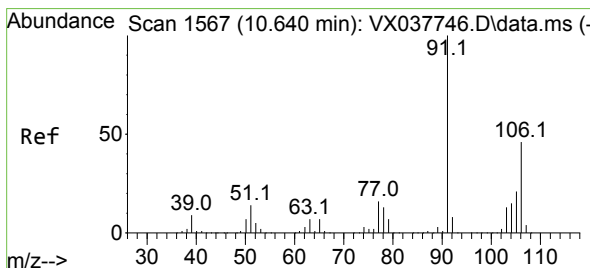
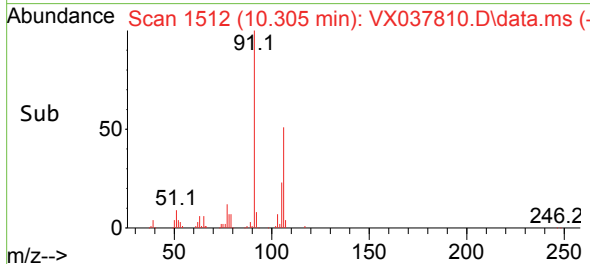
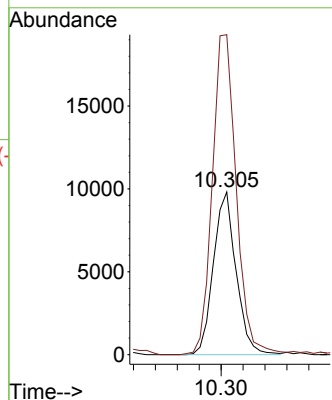
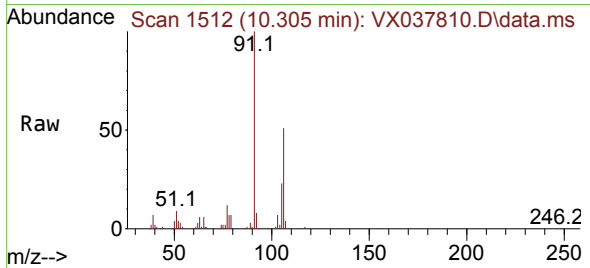




#68
m/p-Xylenes
Concen: 2.784 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

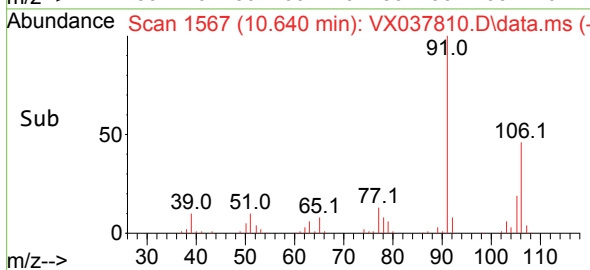
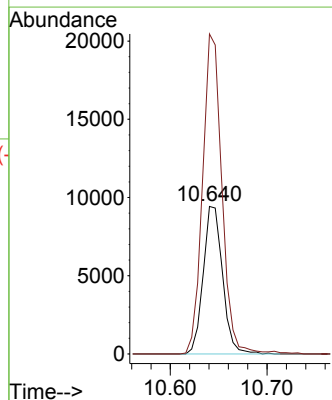
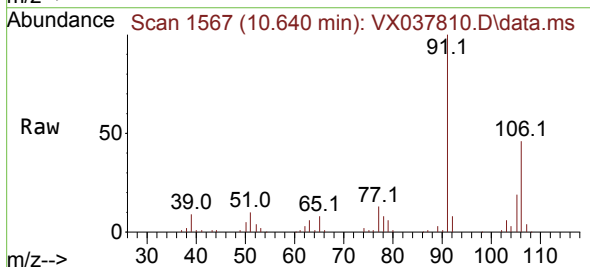
Instrument :
MSVOA_X
ClientSampleId :

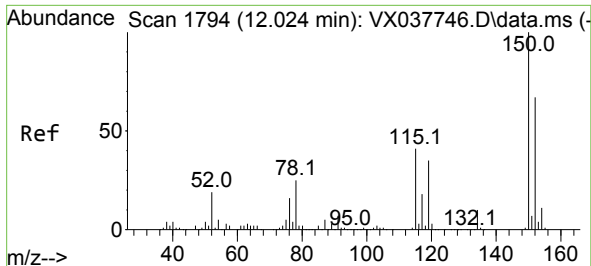
Tgt Ion:106 Resp: 14098
Ion Ratio Lower Upper
106 100
91 207.5 165.5 248.3



#69
o-Xylene
Concen: 2.590 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

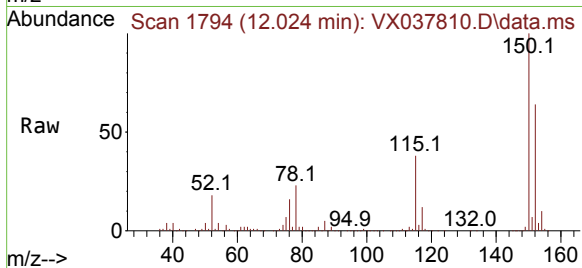
Tgt Ion:106 Resp: 13151
Ion Ratio Lower Upper
106 100
91 217.2 108.9 326.8



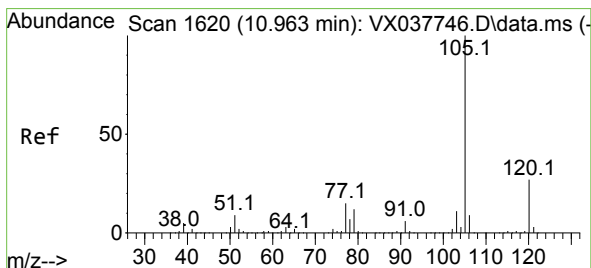
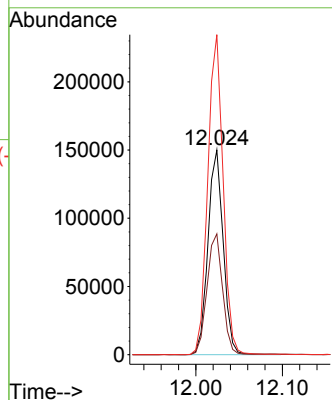
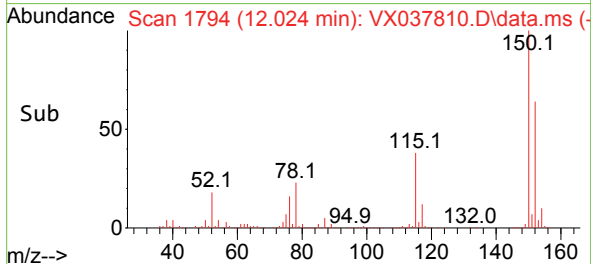


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49

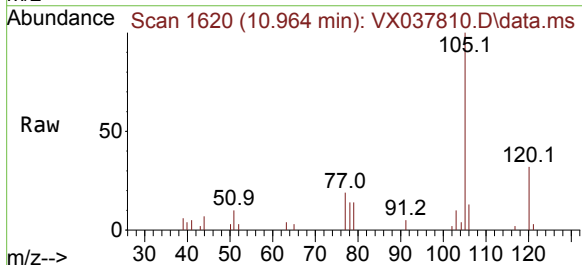
Instrument :
MSVOA_X
ClientSampleId :



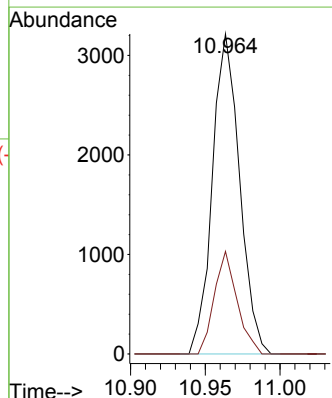
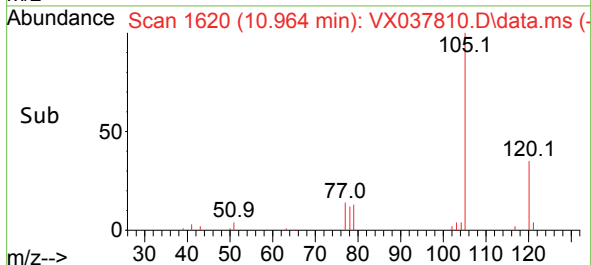
Tgt Ion:152 Resp: 183758
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 156.7 0.0 345.0

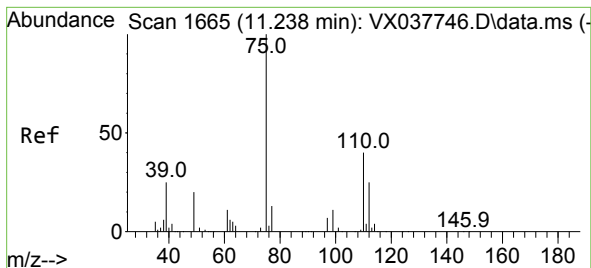


#73
Isopropylbenzene
Concen: 0.302 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037810.D
Acq: 19 Sep 2023 16:49



Tgt Ion:105 Resp: 4069
Ion Ratio Lower Upper
105 100
120 26.9 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 19.973 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

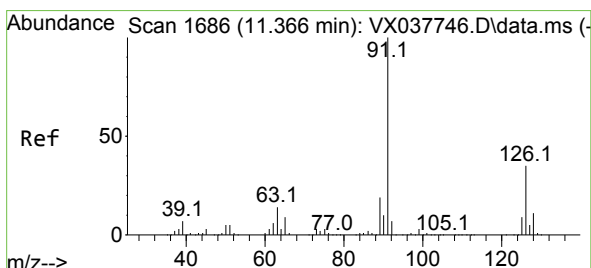
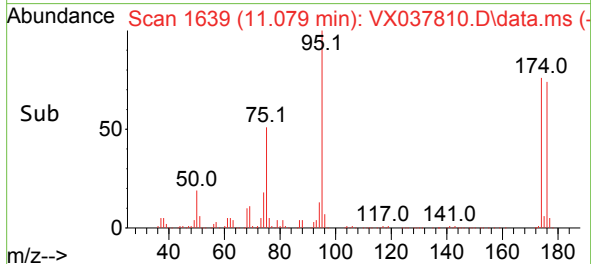
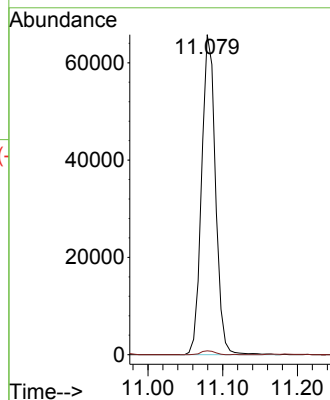
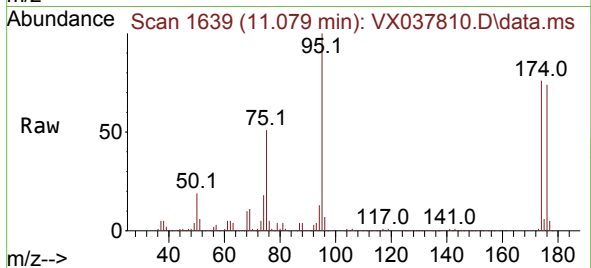
ClientSampleId :

Tgt Ion: 75 Resp: 84890

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#79

2-Chlorotoluene

Concen: 0.247 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.012 min

Lab File: VX037810.D

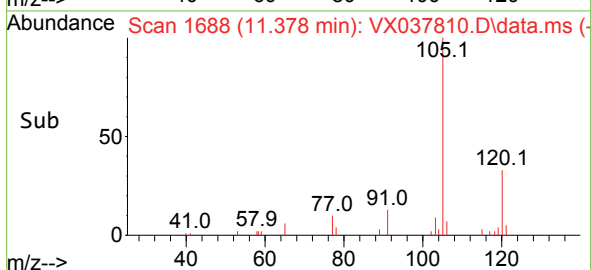
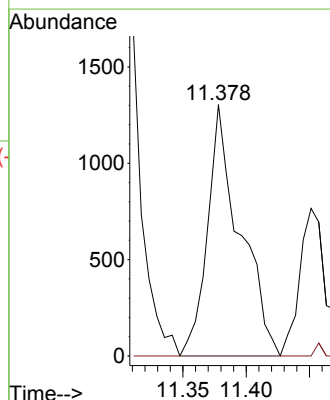
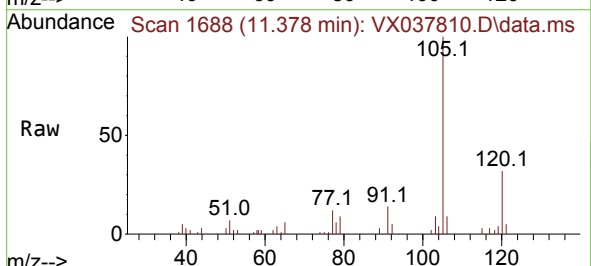
Acq: 19 Sep 2023 16:49

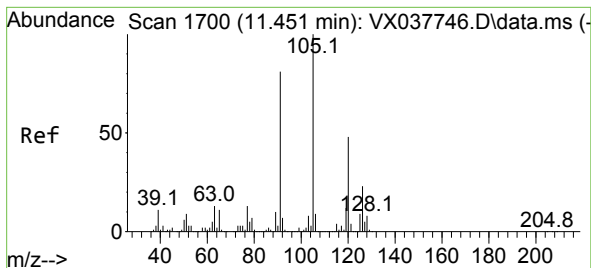
Tgt Ion: 91 Resp: 2321

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.627 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

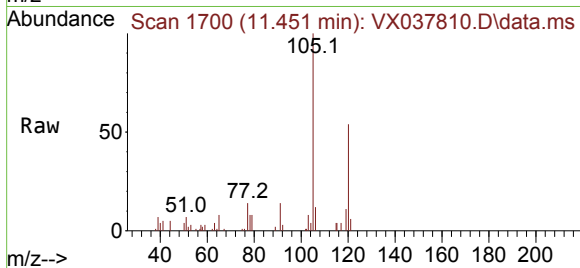
Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

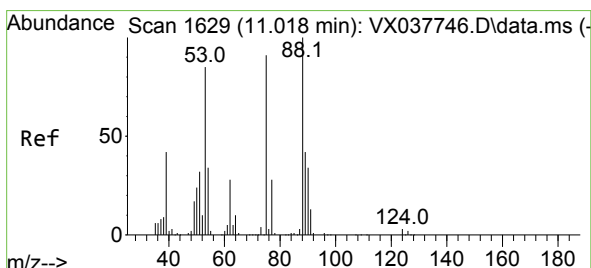
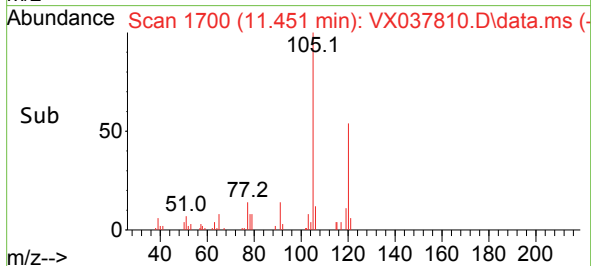
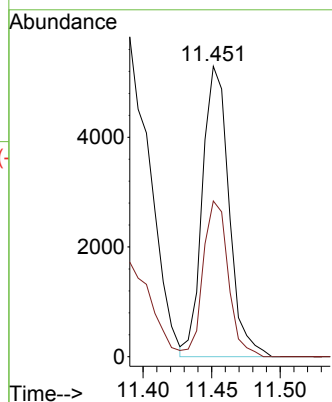


Tgt Ion:105 Resp: 7142

Ion Ratio Lower Upper

105 100

120 50.7 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.982 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

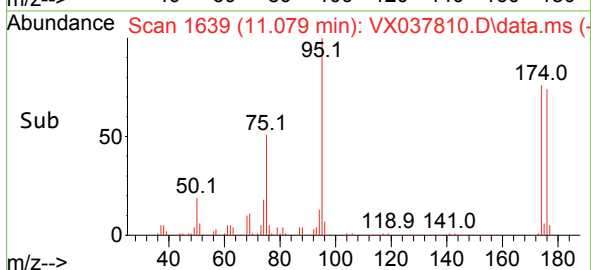
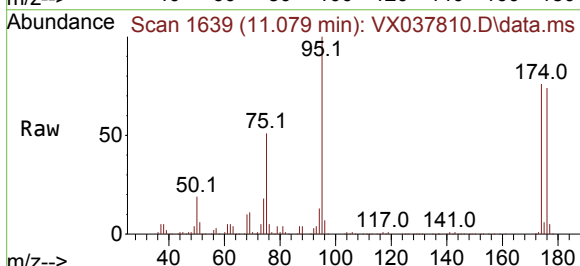
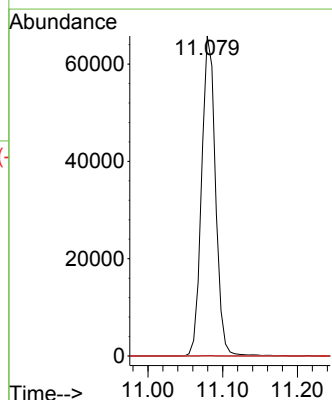
Tgt Ion: 75 Resp: 84890

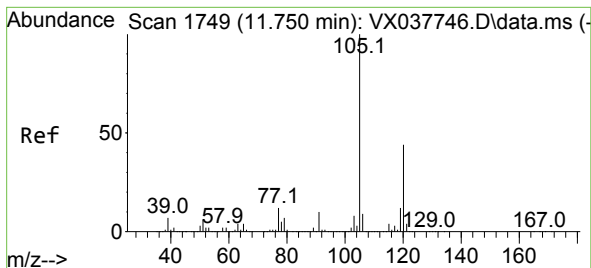
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.786 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Instrument :

MSVOA_X

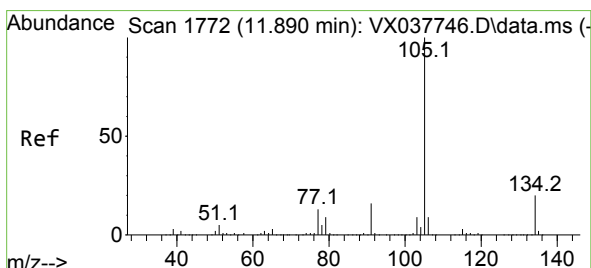
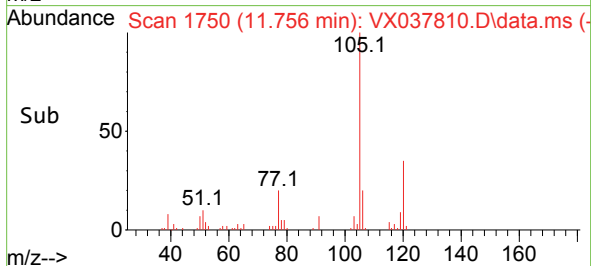
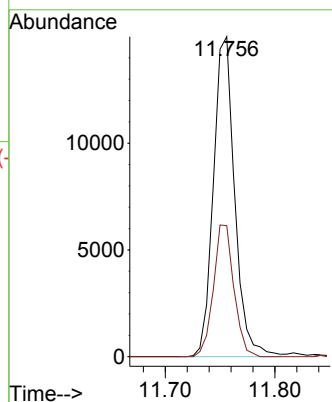
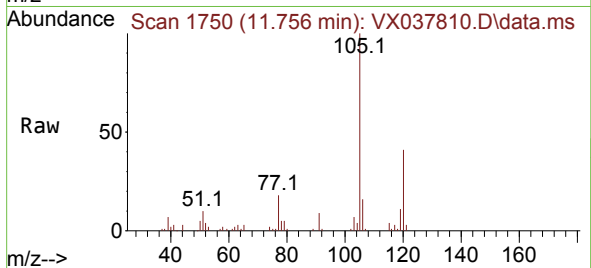
ClientSampleId :

Tgt Ion:105 Resp: 20233

Ion Ratio Lower Upper

105 100

120 39.6 21.2 63.6



#85

sec-Butylbenzene

Concen: 1.449 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX037810.D

Acq: 19 Sep 2023 16:49

Tgt Ion:105 Resp: 20233

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

