

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037160.D
 Acq On : 22 Aug 2023 18:34
 Operator : JC/MD
 Sample : 04051-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

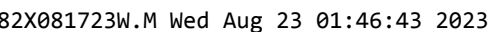
Quant Time: Aug 23 01:46:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	37383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	78474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	80290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44653	82.853	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 165.700%#			
35) Dibromofluoromethane	5.385	113	30908	59.471	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.940%			
50) Toluene-d8	8.647	98	98167	52.072	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	43050	58.108	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.220%			
Target Compounds						Qvalue
6) Chloroethane	1.672	64	333	1.368	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	40249	101.852	ug/l	98
10) Methyl Iodide	2.453	142	103	0.214	ug/l #	34
11) Tert butyl alcohol	2.946	59	251	1.985	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	434	1.128	ug/l #	73
16) Acetone	2.392	43	761	3.609	ug/l	92
17) Carbon Disulfide	2.514	76	253	0.258	ug/l #	76
18) Methyl Acetate	2.709	43	282	0.355	ug/l #	53
20) Methylene Chloride	2.788	84	1085	2.301	ug/l	88
27) cis-1,2-Dichloroethene	4.495	96	880	1.706	ug/l	77
30) Chloroform	5.099	83	238	0.277	ug/l #	59
31) Cyclohexane	5.550	56	822	1.356	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	3083	4.175	ug/l #	48
39) Methylcyclohexane	7.123	83	752	0.969	ug/l #	1
44) Trichloroethene	7.129	130	56560	94.192	ug/l	99
49) 1,4-Dioxane	7.726	88	184	11.699	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	409	0.562	ug/l #	1
52) Toluene	8.720	92	902	0.645	ug/l	88
60) Dibromochloromethane	9.275	129	4330	7.138	ug/l #	11
64) Tetrachloroethene	9.275	164	4231	7.224	ug/l	88
67) Ethyl Benzene	10.201	91	1034	0.346	ug/l #	56
68) m/p-Xylenes	10.299	106	482	0.418	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	22356	25.297	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	22356	70.657	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1320	0.519	ug/l	97
95) Naphthalene	13.774	128	18077	5.223	ug/l	99

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

Quant Time: Aug 23 01:46:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

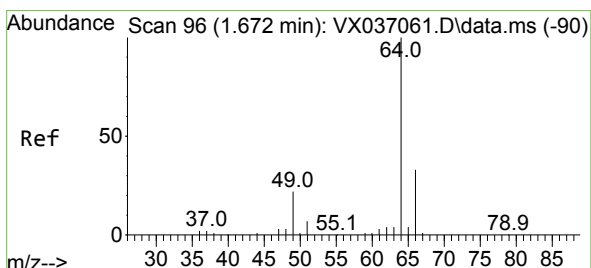
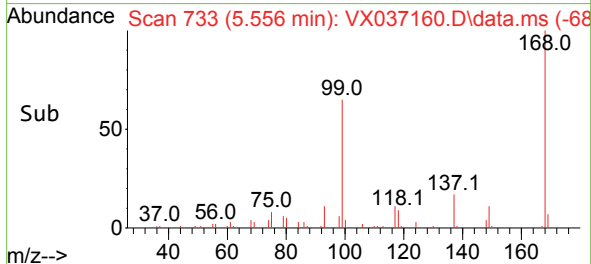
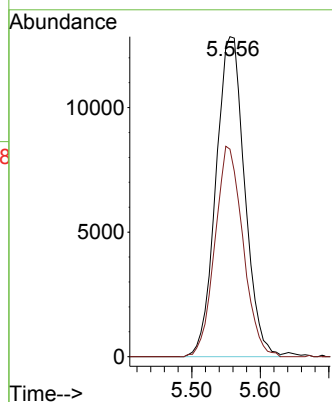
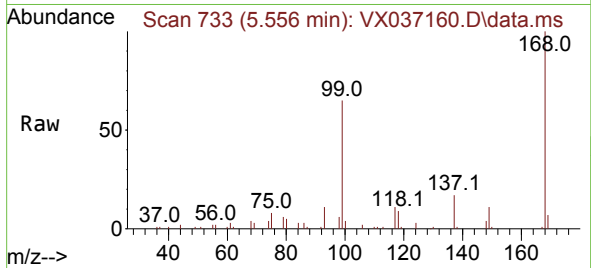




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

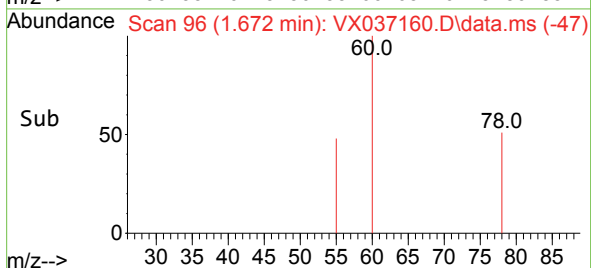
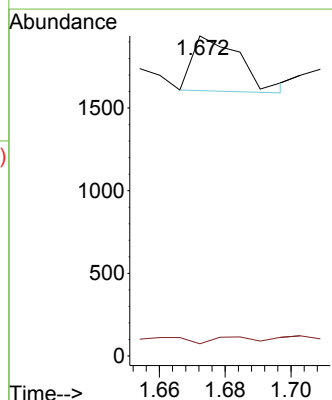
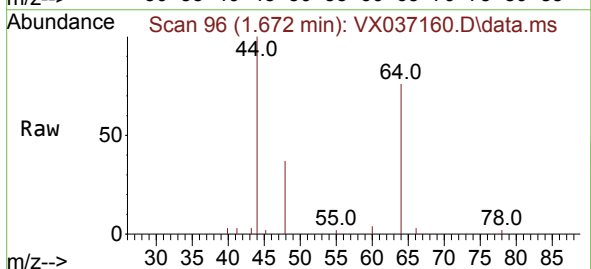
Instrument :
MSVOA_X
ClientSampleId :

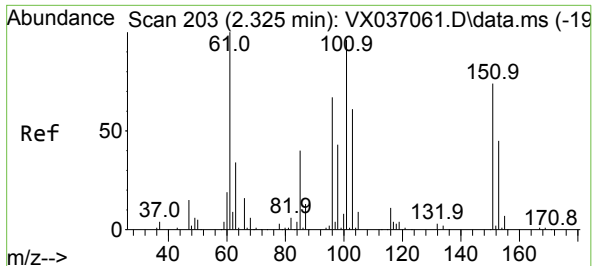
Tgt Ion:168 Resp: 37383
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#6
Chloroethane
Concen: 1.368 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

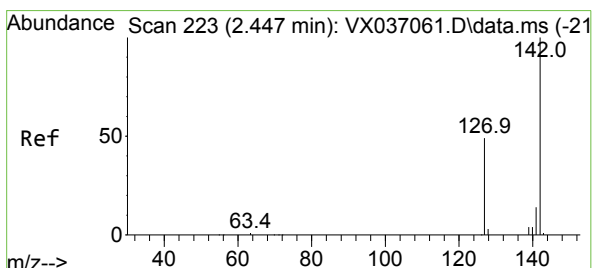
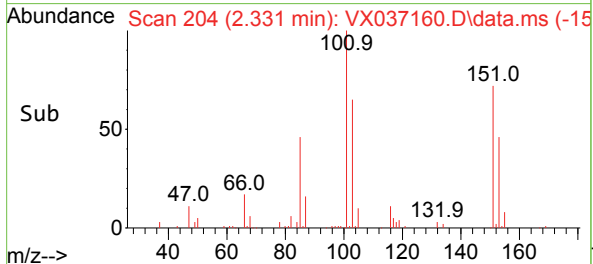
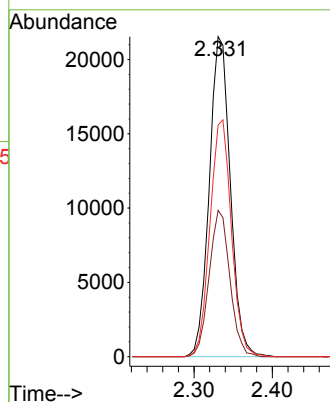
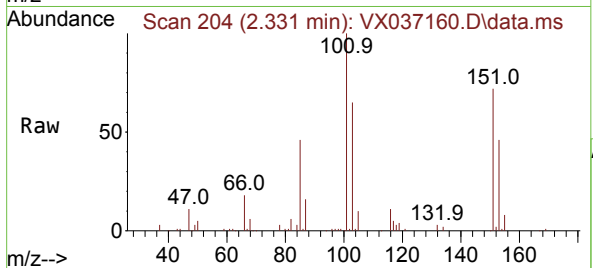




#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.852 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

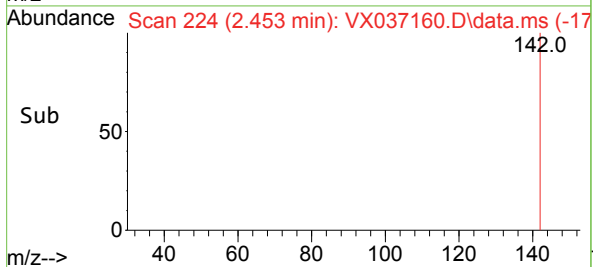
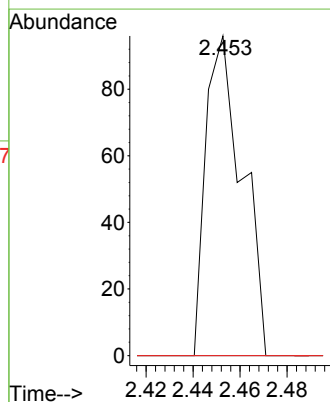
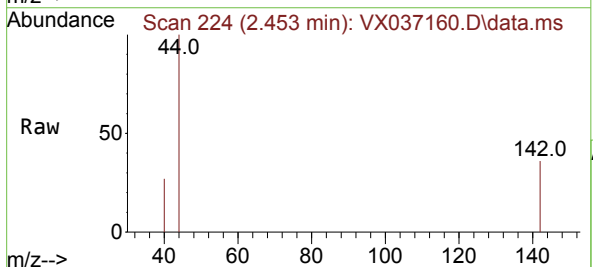
Instrument :
MSVOA_X
ClientSampleId :

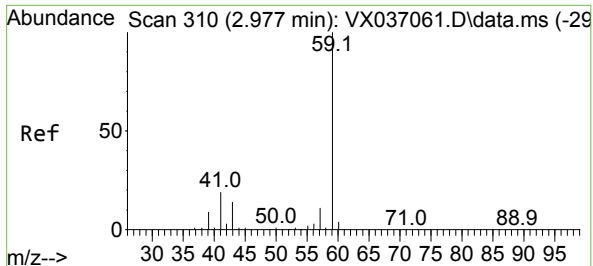
Tgt Ion:101 Resp: 40249
Ion Ratio Lower Upper
101 100
85 45.0 37.0 55.6
151 75.3 58.6 87.8



#10
Methyl Iodide
Concen: 0.214 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion:142 Resp: 103
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.985 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.031 min

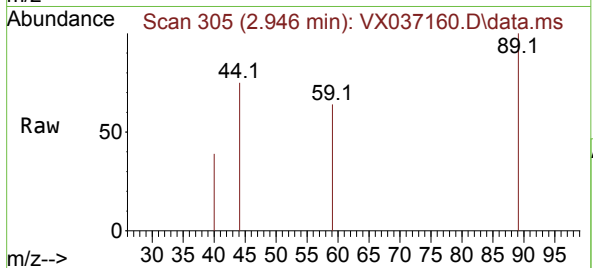
Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

ClientSampleId :

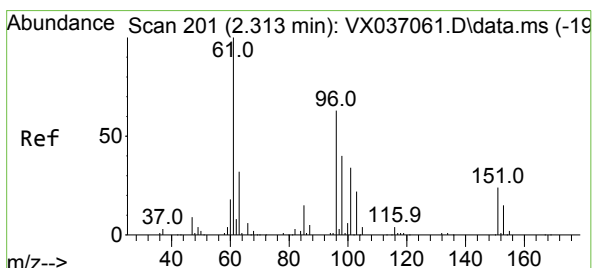
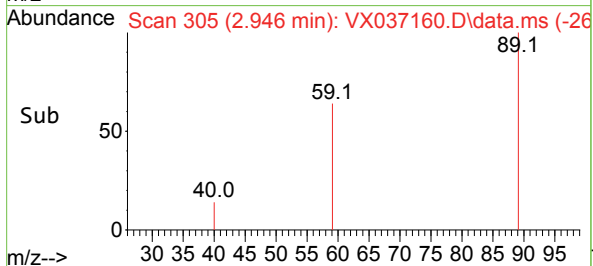
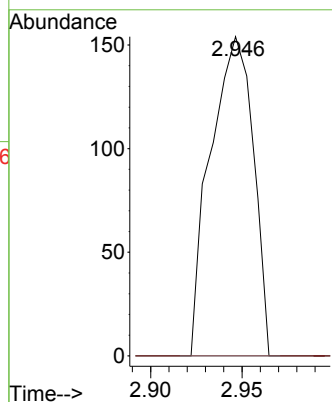


Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 1.128 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.012 min

Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

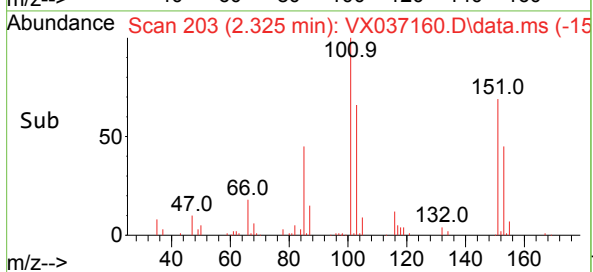
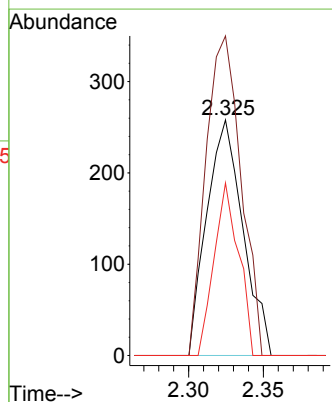
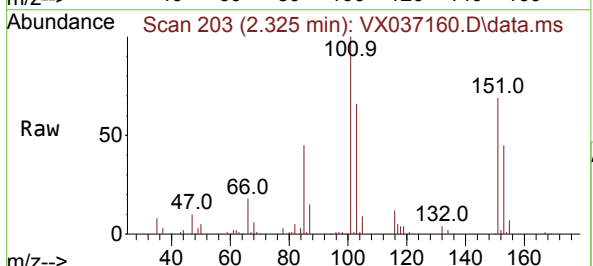
Tgt Ion: 96 Resp: 434

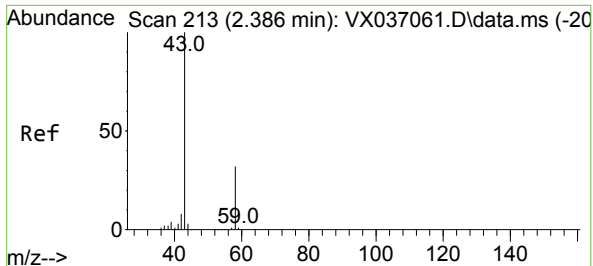
Ion Ratio Lower Upper

96 100

61 135.7 144.6 216.8#

98 73.3 50.4 75.6

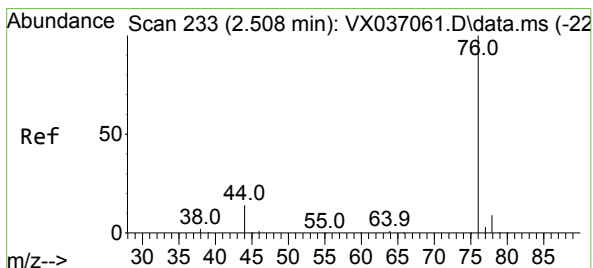
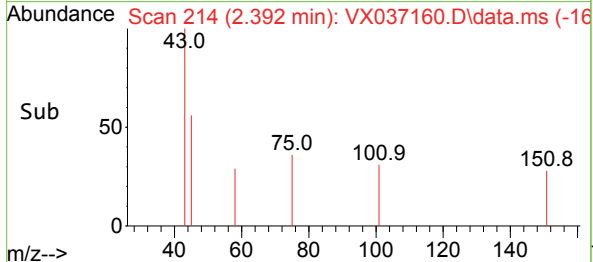
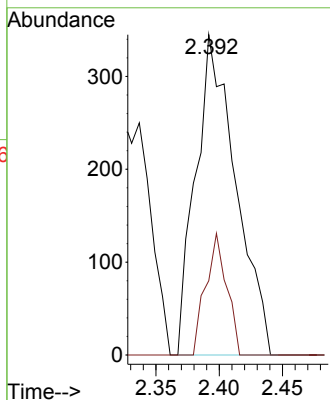
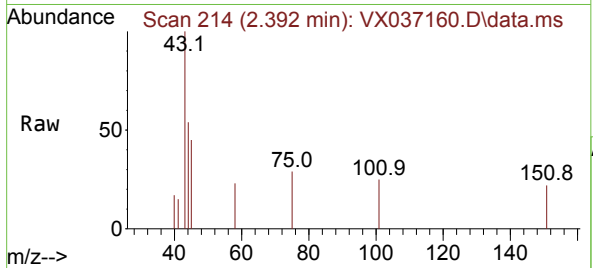




#16
Acetone
Concen: 3.609 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

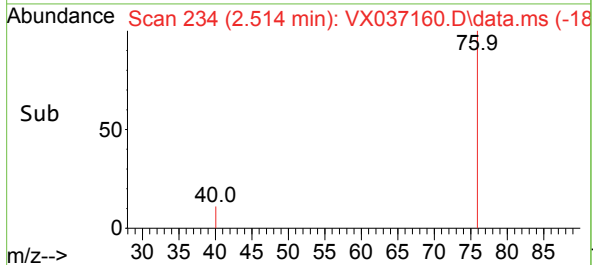
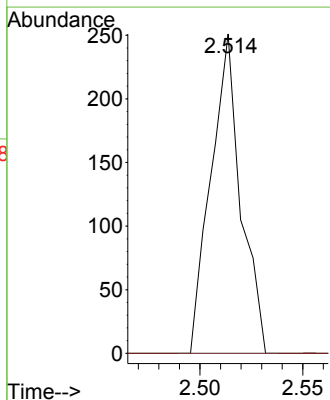
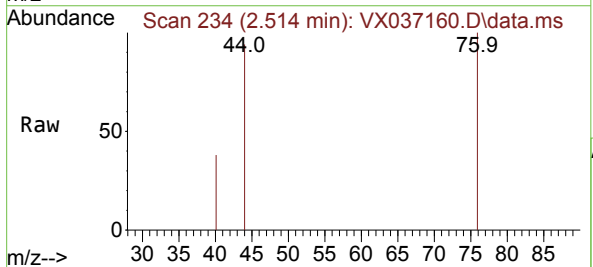
Instrument :
MSVOA_X
ClientSampleId :

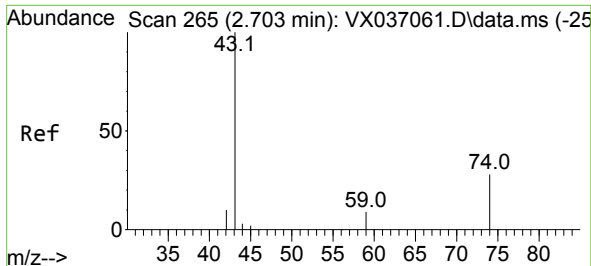
Tgt Ion: 43 Resp: 761
Ion Ratio Lower Upper
43 100
58 23.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 76 Resp: 253
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

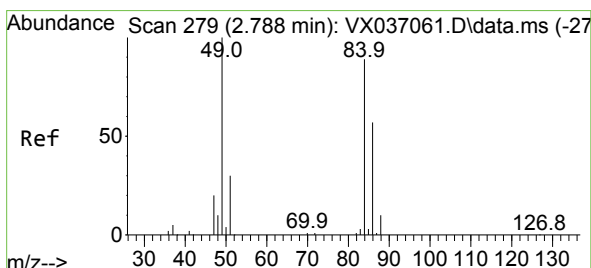
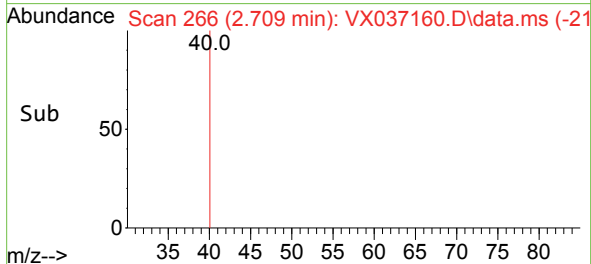
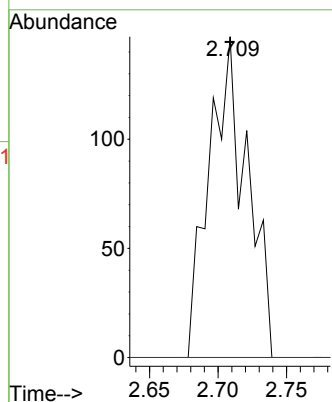
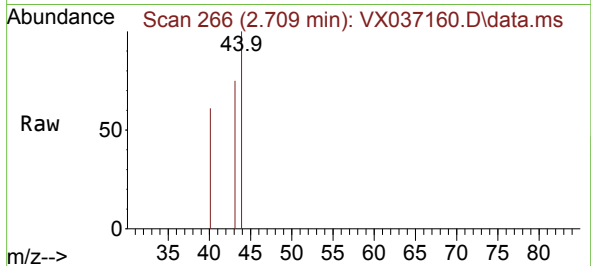




#18
Methyl Acetate
Concen: 0.355 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

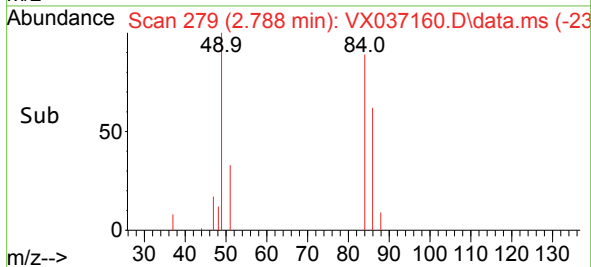
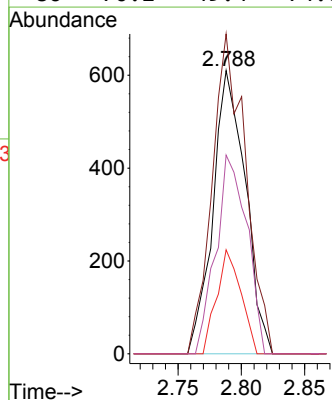
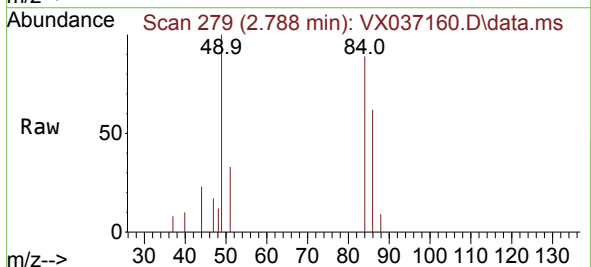
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MSVOA_X
ClientSampleId :

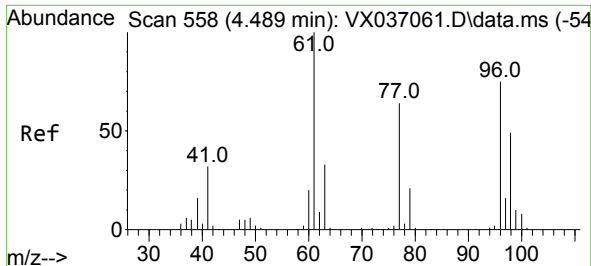
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 2.301 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 84 Resp: 1085
Ion Ratio Lower Upper
84 100
49 113.0 103.6 155.4
51 36.7 33.8 50.6
86 70.2 49.4 74.0





#27

cis-1,2-Dichloroethene

Concen: 1.706 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

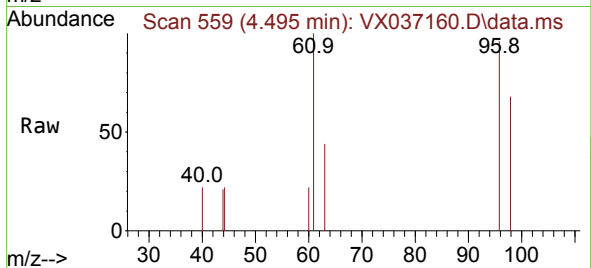
Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

ClientSampleId :



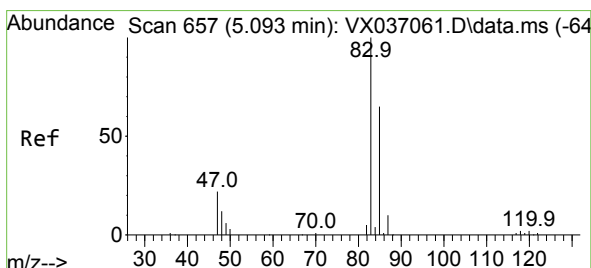
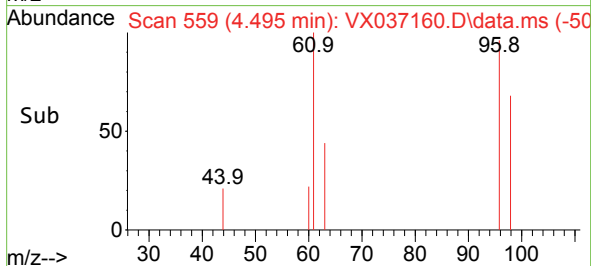
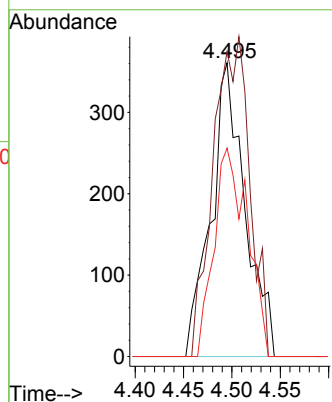
Tgt Ion: 96 Resp: 880

Ion Ratio Lower Upper

96 100

61 117.6 0.0 312.2

98 70.5 0.0 129.0



#30

Chloroform

Concen: 0.277 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037160.D

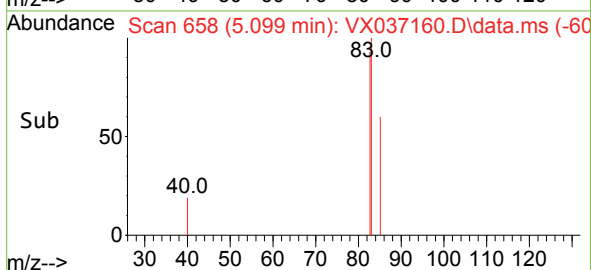
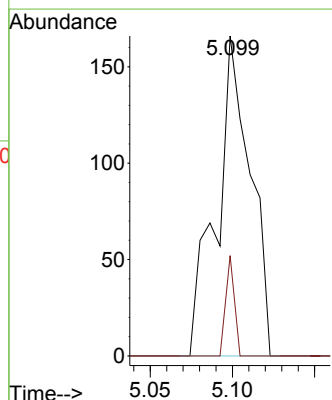
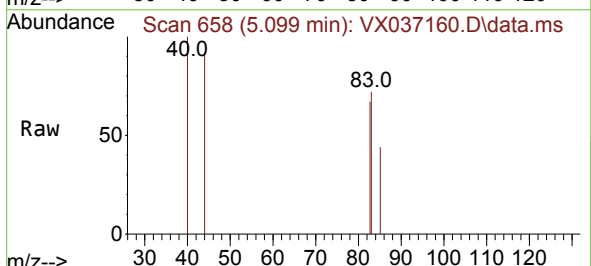
Acq: 22 Aug 2023 18:34

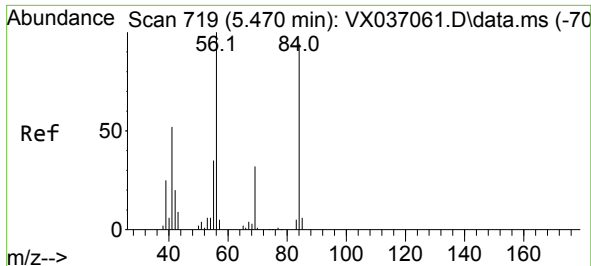
Tgt Ion: 83 Resp: 238

Ion Ratio Lower Upper

83 100

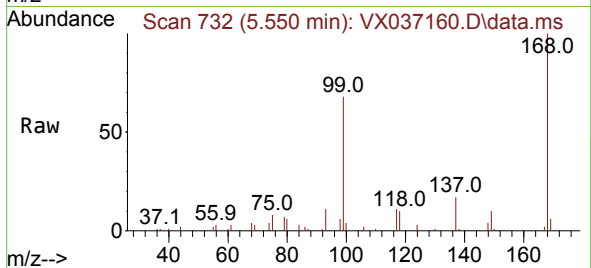
85 31.3 50.3 75.5#



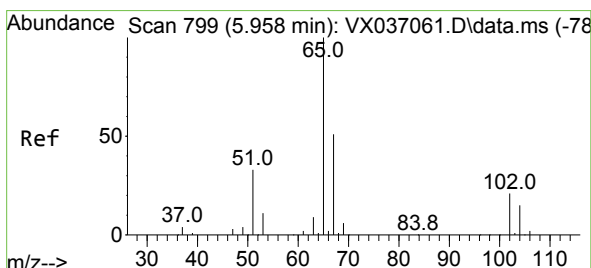
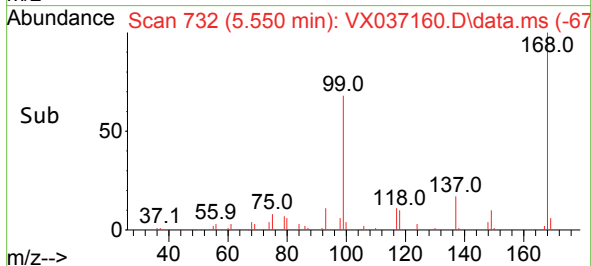
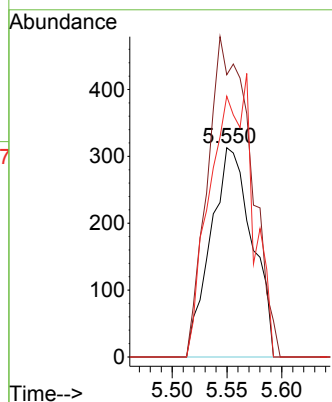


#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Instrument :
MSVOA_X
ClientSampleId :

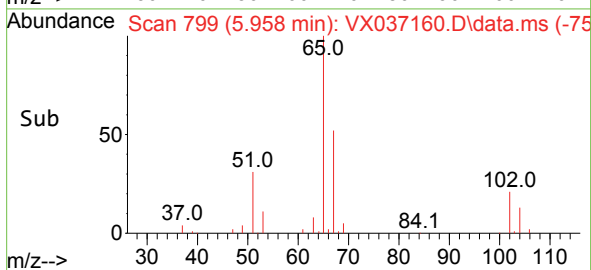
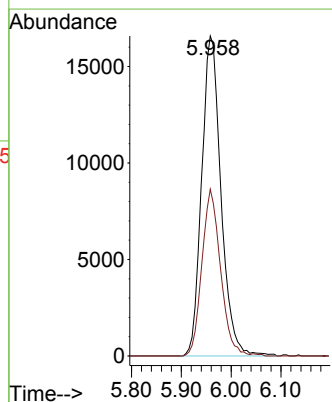
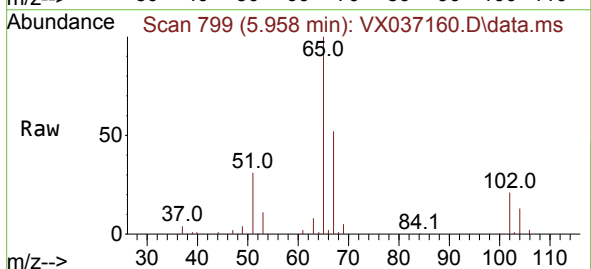


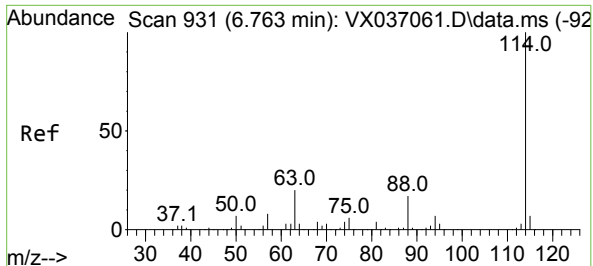
Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
69 134.8 23.4 35.2#
84 124.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 82.853 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 65 Resp: 44653
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.2

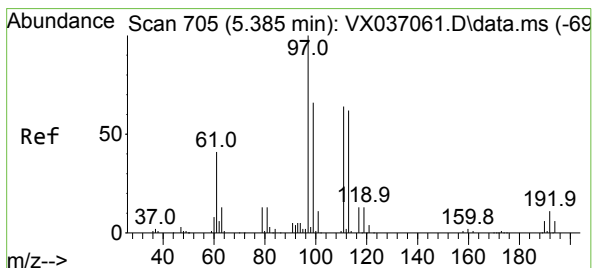
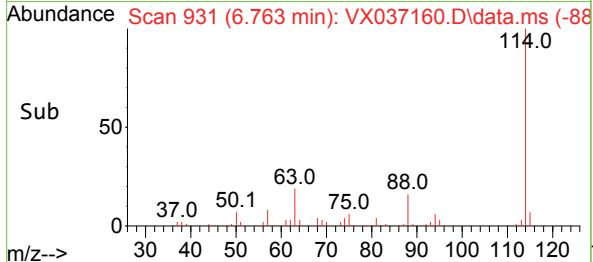
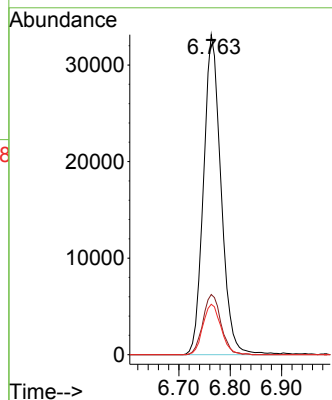
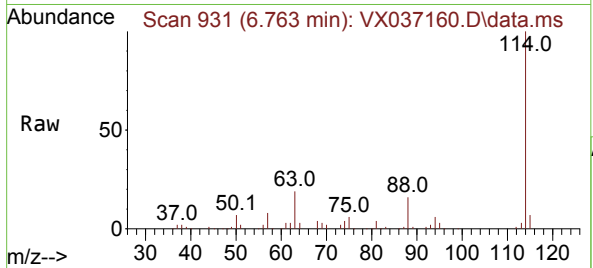




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

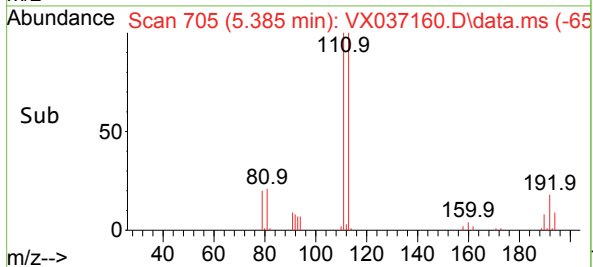
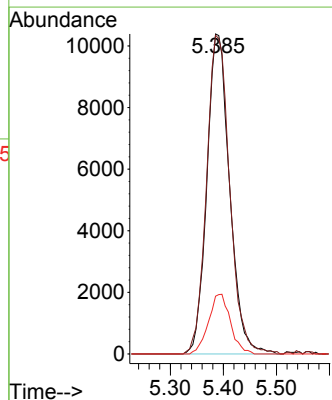
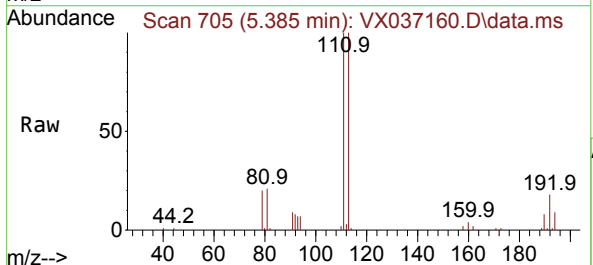
Instrument :
MSVOA_X
ClientSampleId :

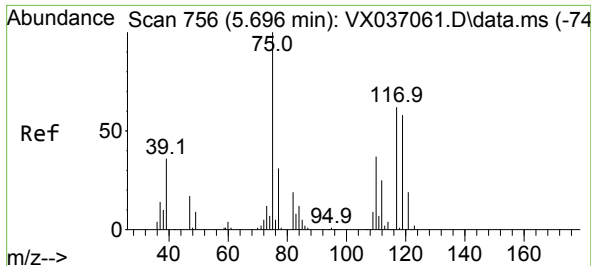
Tgt Ion:114 Resp: 78474
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 59.471 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

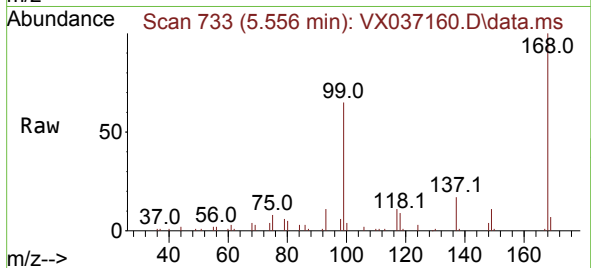
Tgt Ion:113 Resp: 30908
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.0 13.3 19.9



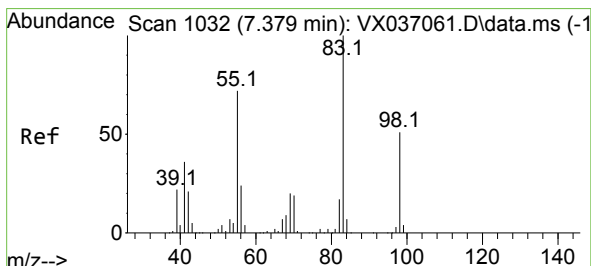
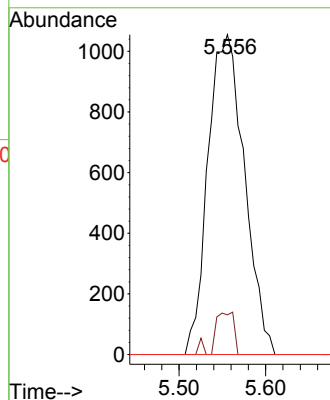
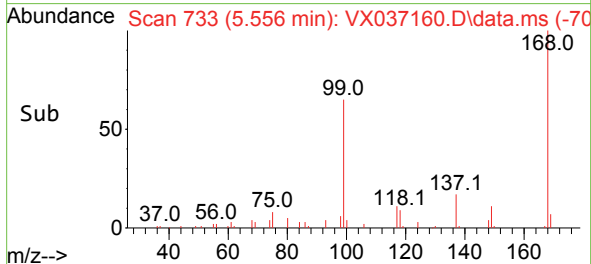


#36
1,1-Dichloropropene
Concen: 4.175 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Instrument :
MSVOA_X
ClientSampleId :

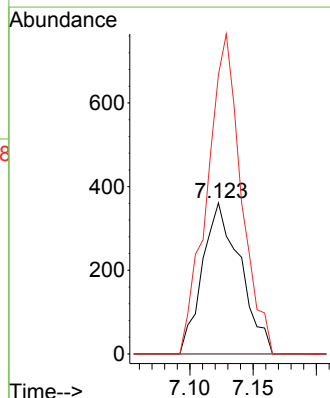
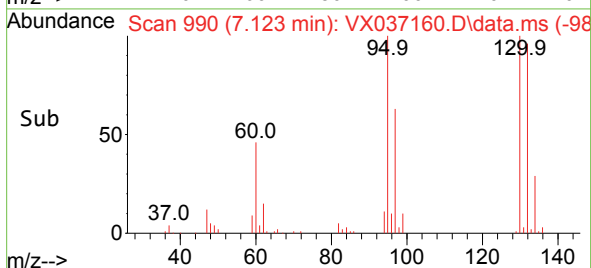
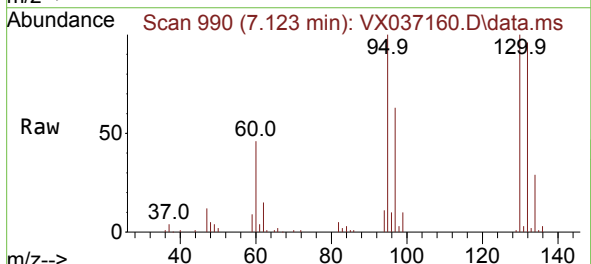


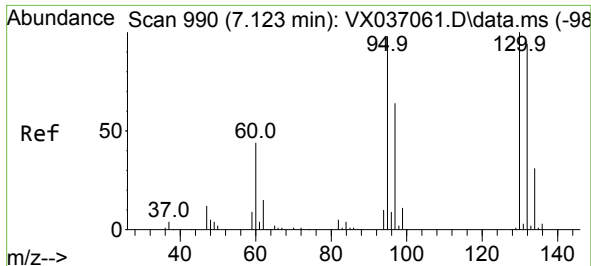
Tgt Ion: 75 Resp: 3083
Ion Ratio Lower Upper
75 100
110 6.3 17.0 50.9#
77 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.969 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 83 Resp: 752
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 184.8 36.7 55.1#

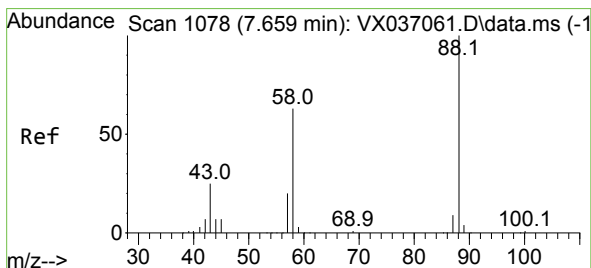
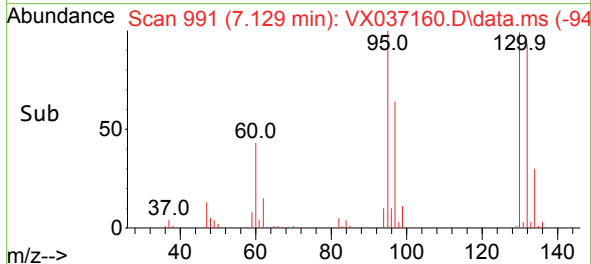
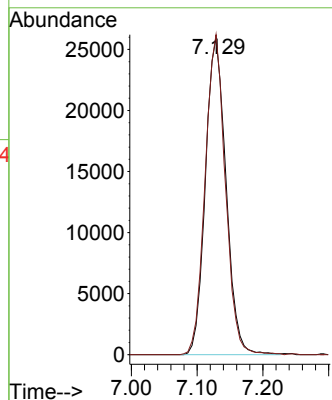
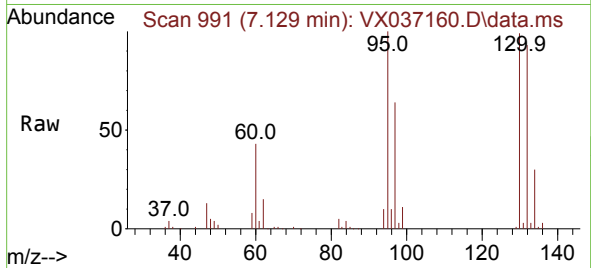




#44
Trichloroethene
Concen: 94.192 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

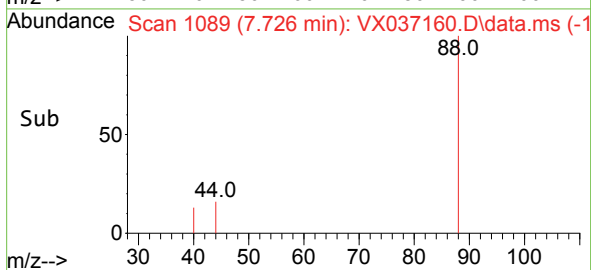
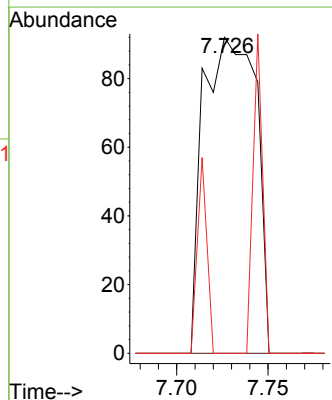
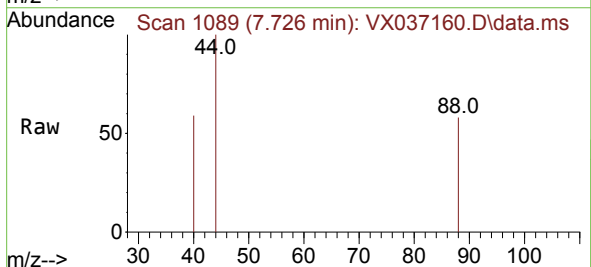
Instrument :
MSVOA_X
ClientSampleId :

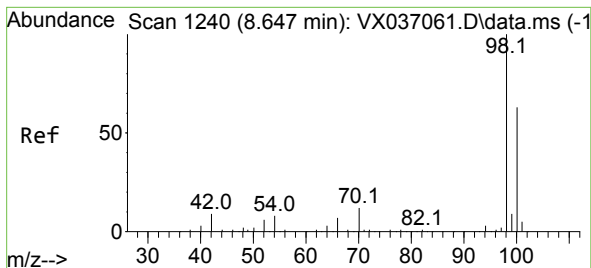
Tgt Ion:130 Resp: 56560
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.4



#49
1,4-Dioxane
Concen: 11.699 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.067 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 11.4 60.1 90.1#





#50

Toluene-d8

Concen: 52.072 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

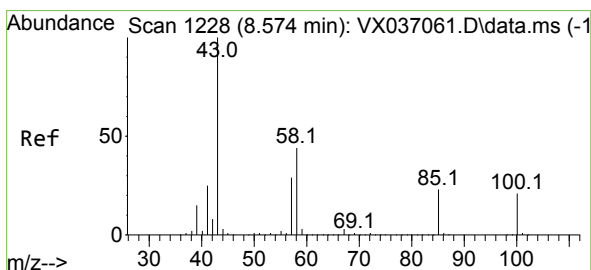
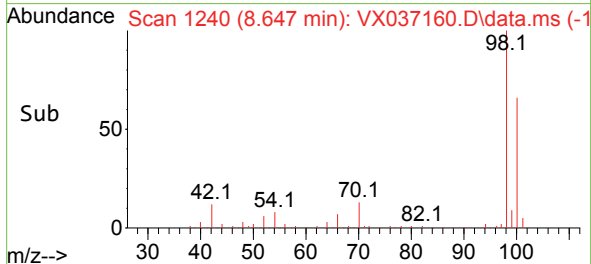
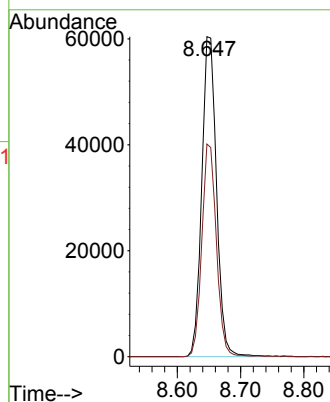
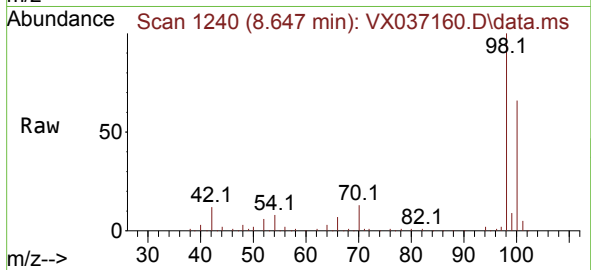
ClientSampleId :

Tgt Ion: 98 Resp: 98167

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.562 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX037160.D

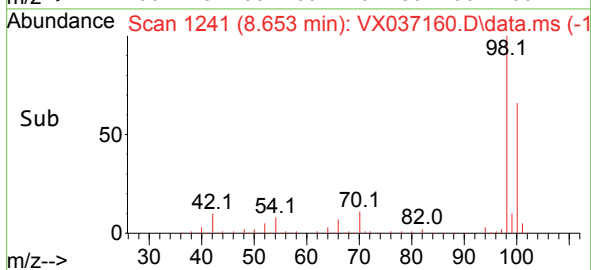
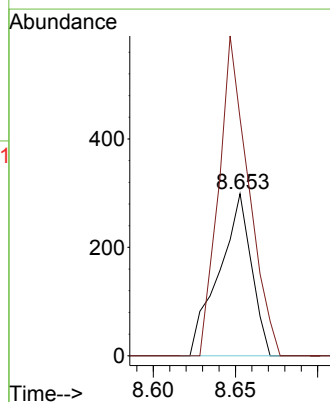
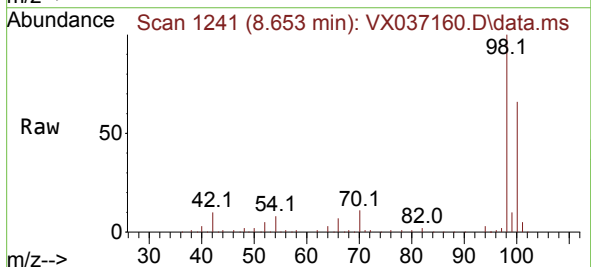
Acq: 22 Aug 2023 18:34

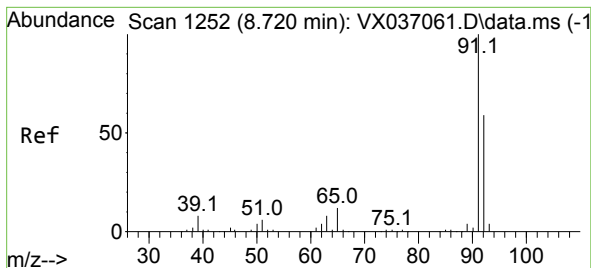
Tgt Ion: 43 Resp: 409

Ion Ratio Lower Upper

43 100

58 181.7 30.4 45.6#





#52

Toluene

Concen: 0.645 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

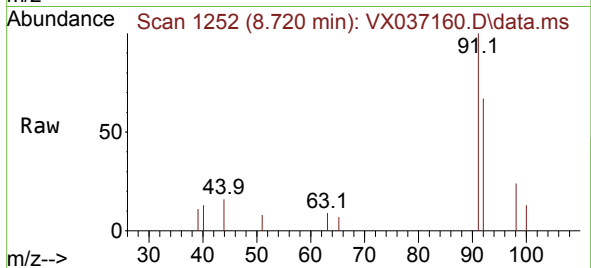
Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

ClientSampleId :

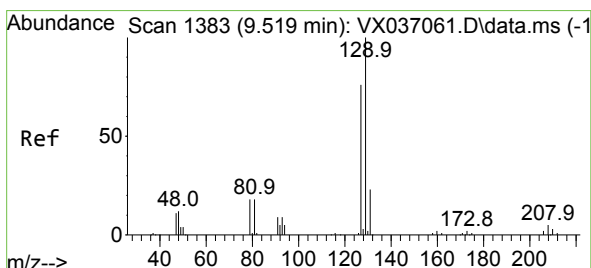
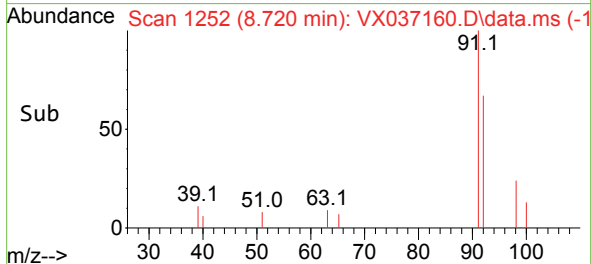
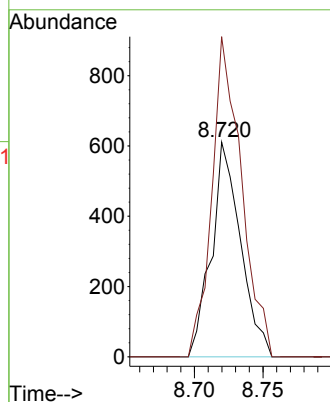


Tgt Ion: 92 Resp: 902

Ion Ratio Lower Upper

92 100

91 151.6 134.2 201.2



#60

Dibromochloromethane

Concen: 7.138 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX037160.D

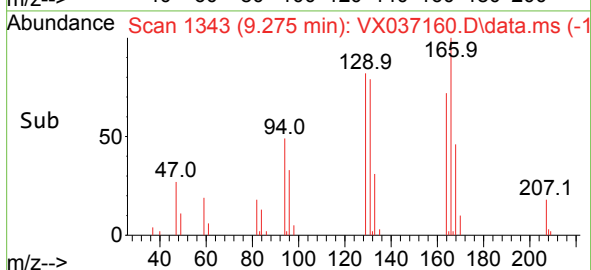
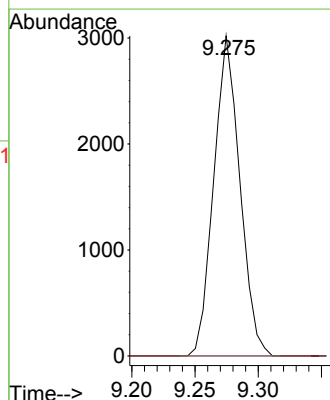
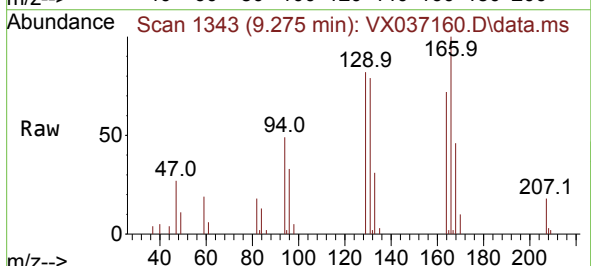
Acq: 22 Aug 2023 18:34

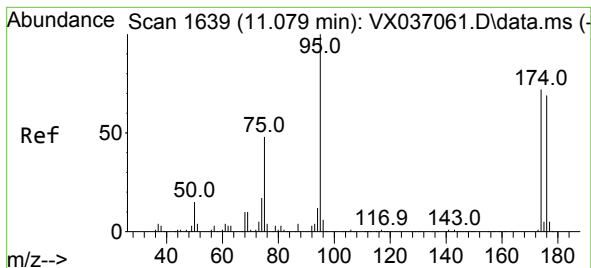
Tgt Ion: 129 Resp: 4330

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

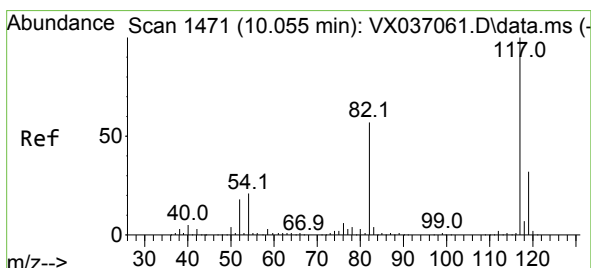
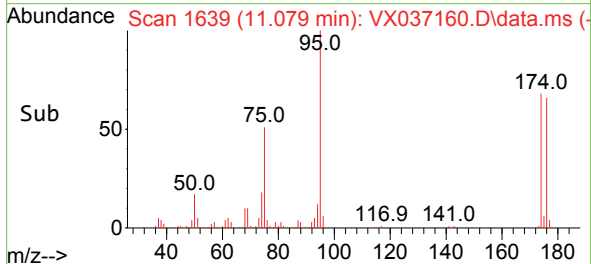
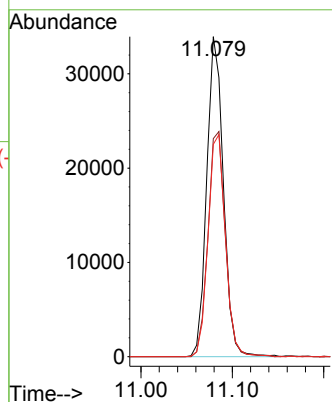
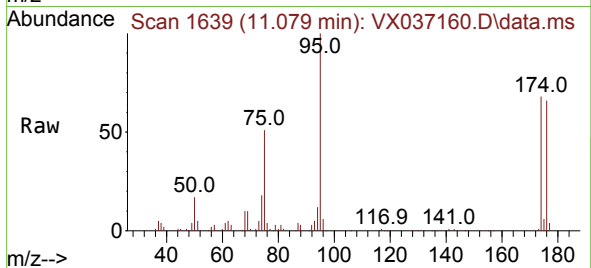




#62
4-Bromofluorobenzene
Concen: 58.108 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

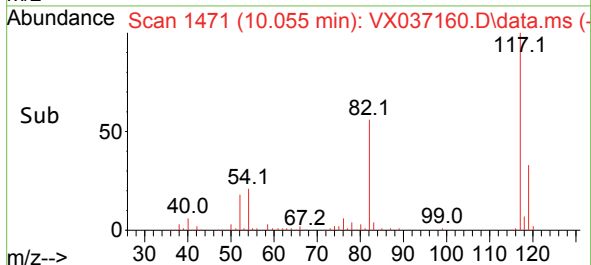
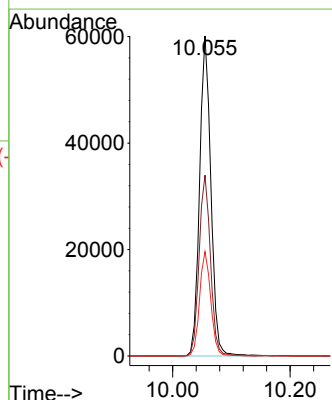
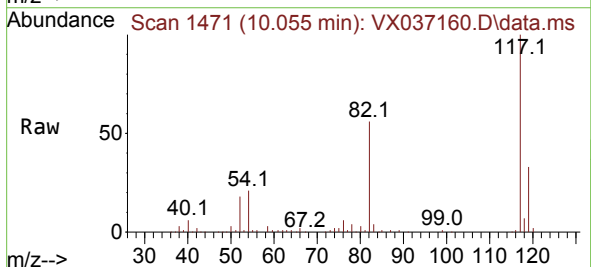
Instrument :
MSVOA_X
ClientSampleId :

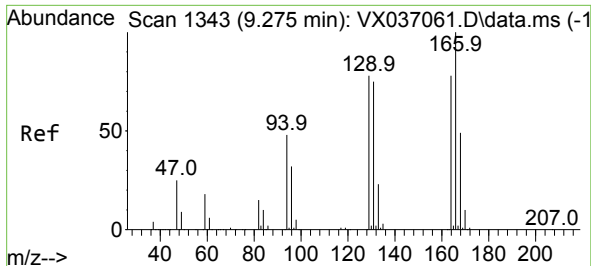
Tgt Ion: 95 Resp: 43050
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 72.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

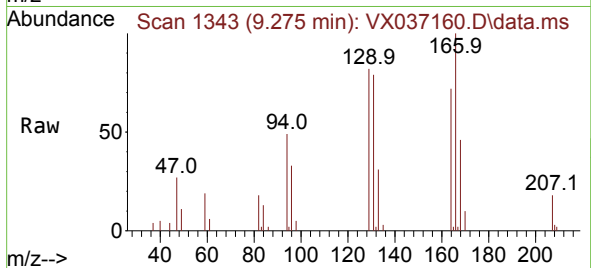
Tgt Ion: 117 Resp: 80290
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.6 25.5 38.3



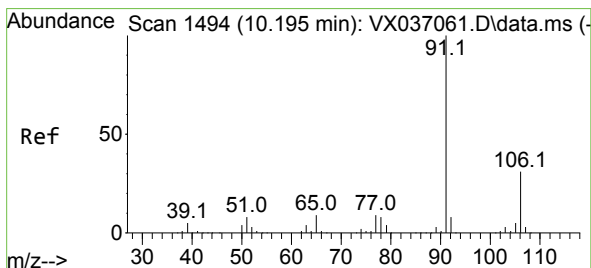
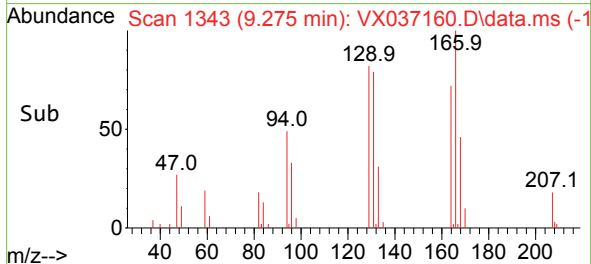
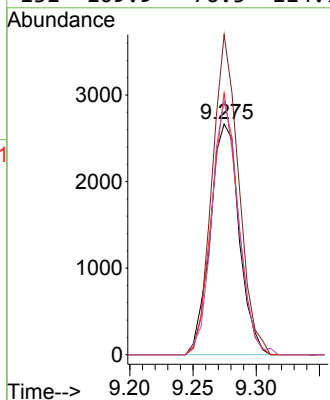


#64
Tetrachloroethene
Concen: 7.224 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Instrument :
MSVOA_X
ClientSampleId :

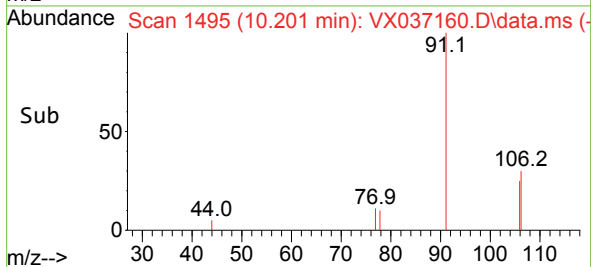
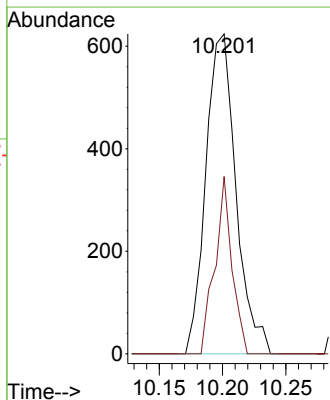
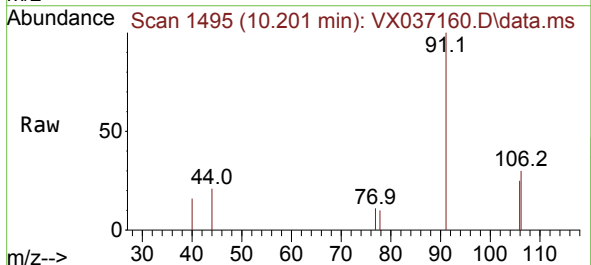


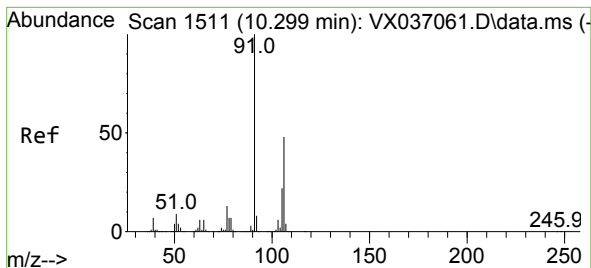
Tgt Ion:164	Resp:	4231	
Ion	Ratio	Lower	Upper
164	100		
166	138.7	102.7	154.1
129	113.3	80.4	120.6
131	109.9	76.5	114.7



#67
Ethyl Benzene
Concen: 0.346 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion: 91	Resp:	1034	
Ion Ratio	Lower	Upper	
91 100			
106 55.4	24.9	37.3#	

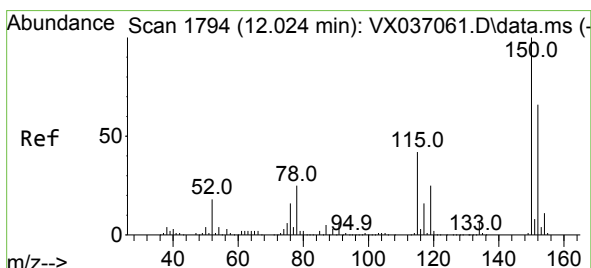
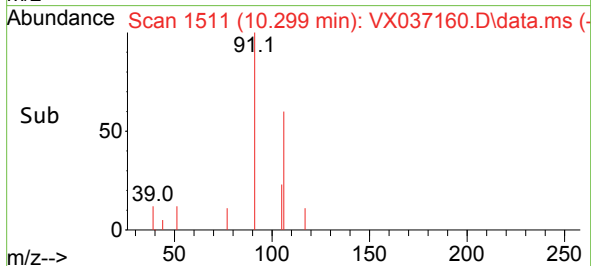
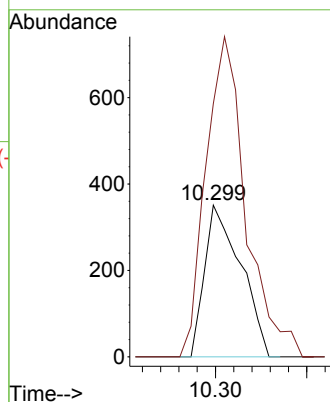
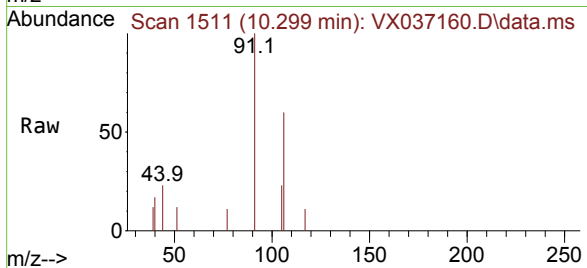




#68
m/p-Xylenes
Concen: 0.418 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

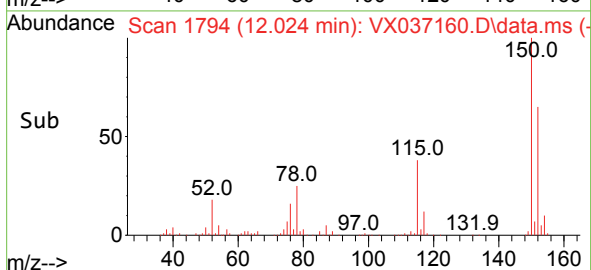
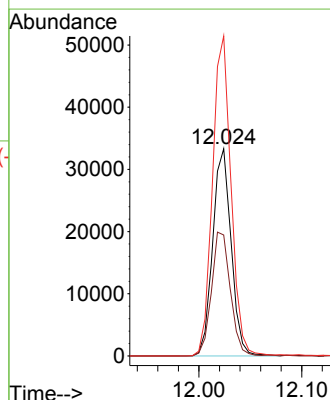
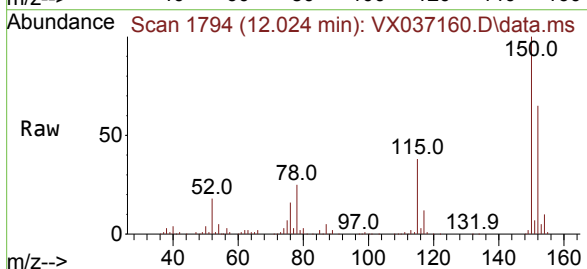
Instrument :
MSVOA_X
ClientSampleId :

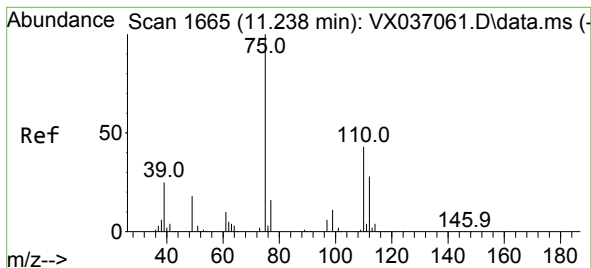
Tgt Ion:106 Resp: 482
Ion Ratio Lower Upper
106 100
91 233.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037160.D
Acq: 22 Aug 2023 18:34

Tgt Ion:152 Resp: 41496
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 154.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.297 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

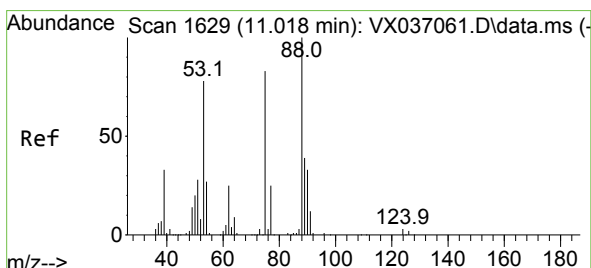
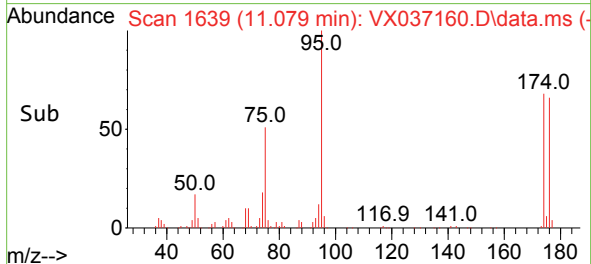
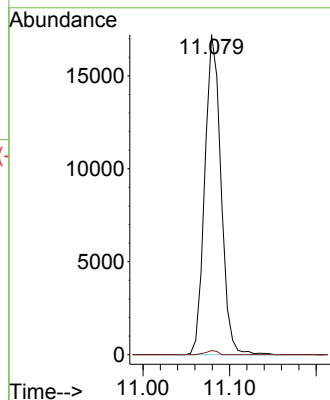
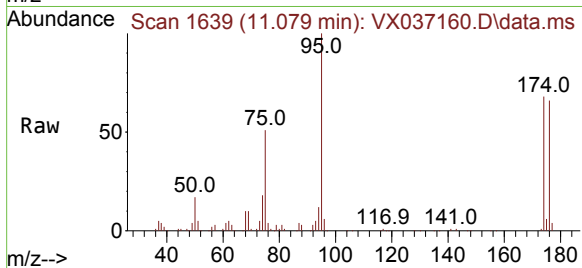
ClientSampleId :

Tgt Ion: 75 Resp: 22356

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.657 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

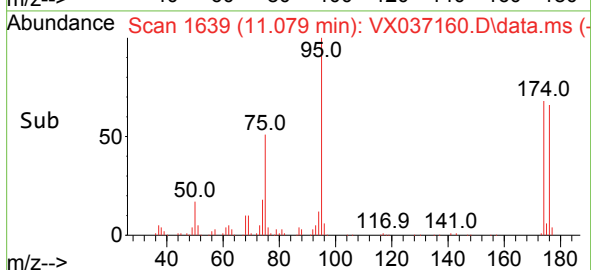
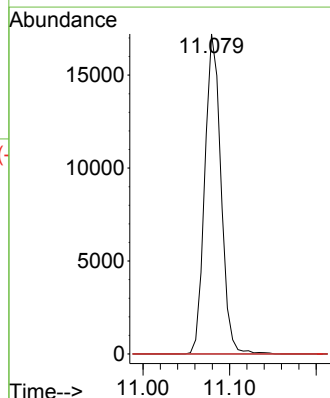
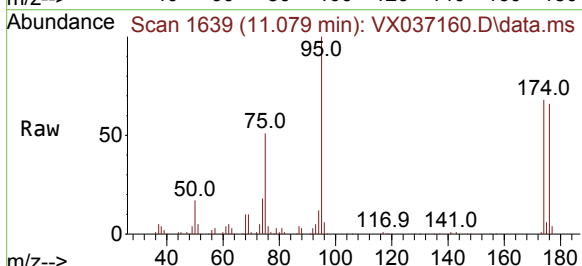
Tgt Ion: 75 Resp: 22356

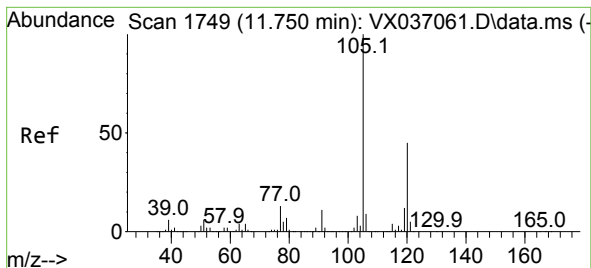
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.519 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

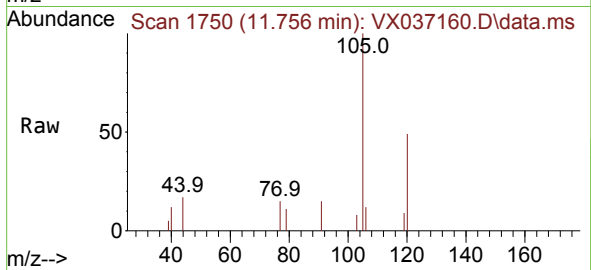
Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Instrument :

MSVOA_X

ClientSampleId :

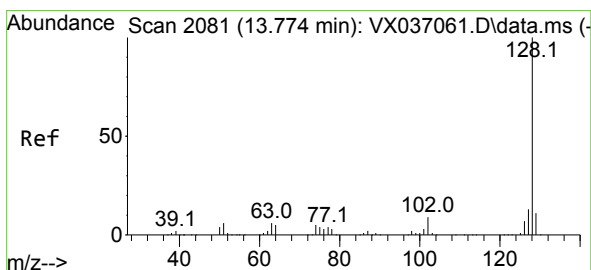
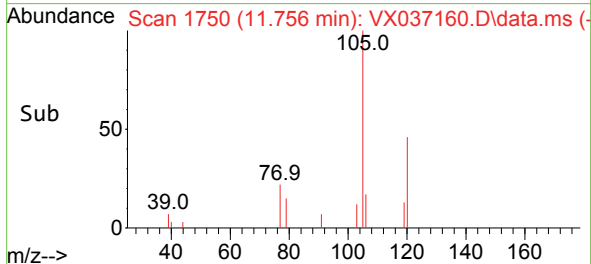
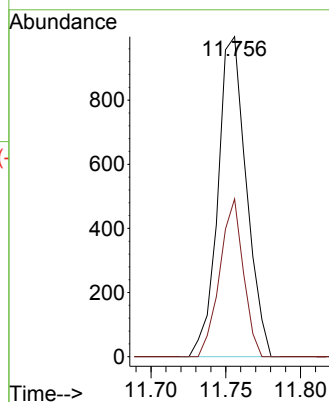


Tgt Ion:105 Resp: 1320

Ion Ratio Lower Upper

105 100

120 40.8 21.2 63.6



#95

Naphthalene

Concen: 5.223 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037160.D

Acq: 22 Aug 2023 18:34

Tgt Ion:128 Resp: 18077

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.8 8.8 13.2

