

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038699.D
 Acq On : 10 Nov 2023 03:08
 Operator : JC/MD
 Sample : 05316-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 05:27:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

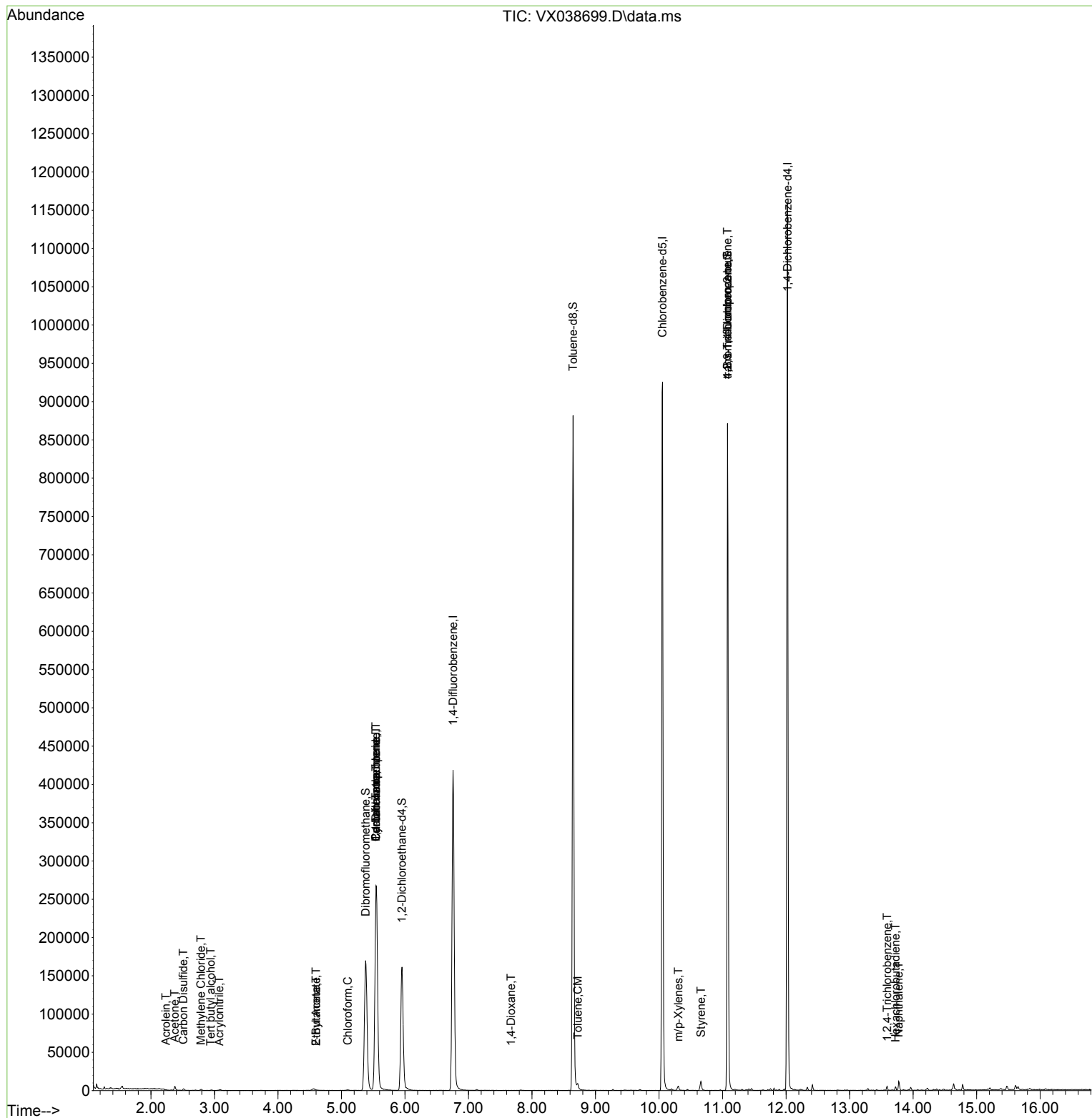
Internal Standards						
1) Pentafluorobenzene	5.544	168	280129	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	6.757	114	470039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	482450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	271165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162153	46.495	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.000%		
35) Dibromofluoromethane	5.379	113	151176	44.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.320%		
50) Toluene-d8	8.647	98	559656	46.199	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.400%		
62) 4-Bromofluorobenzene	11.079	95	236161	50.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.560%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.940	59	448	0.628	ug/l #	78
13) Acrolein	2.233	56	150	0.278	ug/l #	72
15) Acrylonitrile	3.075	53	519	0.345	ug/l #	92
16) Acetone	2.373	43	5456	3.715	ug/l #	84
17) Carbon Disulfide	2.508	76	2470	0.356	ug/l	96
20) Methylene Chloride	2.788	84	728	0.246	ug/l #	83
25) 2-Butanone	4.599	43	1244	0.585	ug/l #	51
30) Chloroform	5.099	83	1185	0.216	ug/l	87
31) Cyclohexane	5.544	56	4781	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	18960	4.509	ug/l #	51
37) Ethyl Acetate	4.599	43	1244	0.290	ug/l #	69
38) Carbon Tetrachloride	5.544	117	26340	5.603	ug/l #	15
49) 1,4-Dioxane	7.671	88	49	0.677	ug/l #	12
52) Toluene	8.720	92	2222	0.280	ug/l	94
68) m/p-Xylenes	10.305	106	1499	0.227	ug/l	92
70) Styrene	10.659	104	5950	0.562	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	111499	20.762	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	111499	63.191	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	1512	0.248	ug/l	90
94) Hexachlorobutadiene	13.725	225	834	0.317	ug/l	90
95) Naphthalene	13.774	128	8960	0.487	ug/l	97

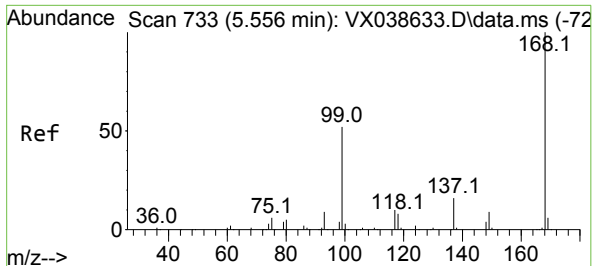
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
Data File : VX038699.D
Acq On : 10 Nov 2023 03:08
Operator : JC/MD
Sample : 05316-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 10 05:27:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration

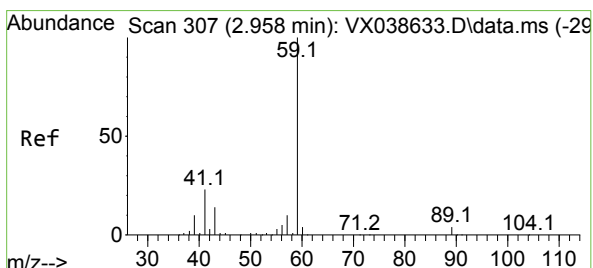
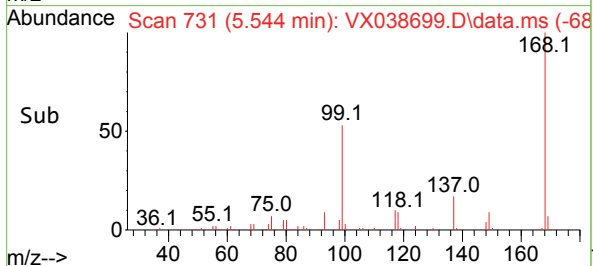
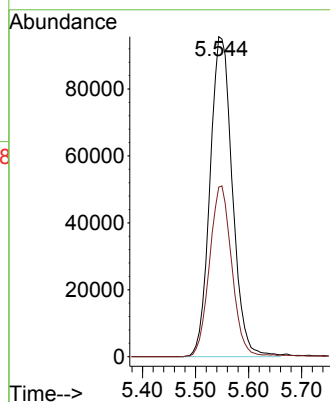
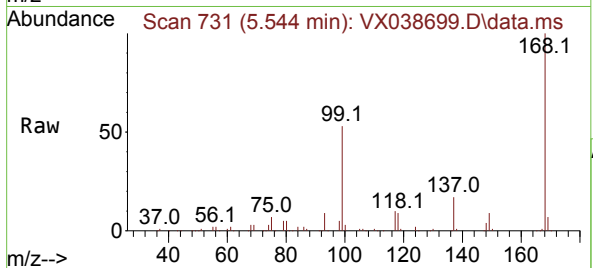




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

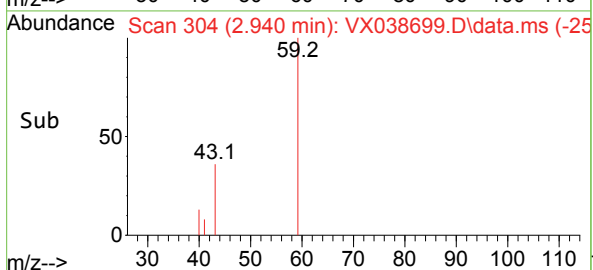
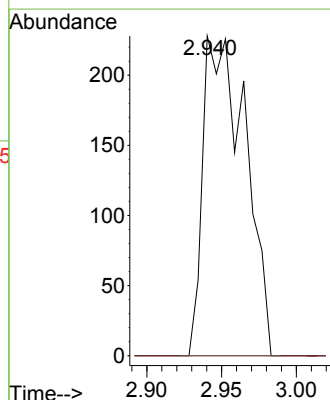
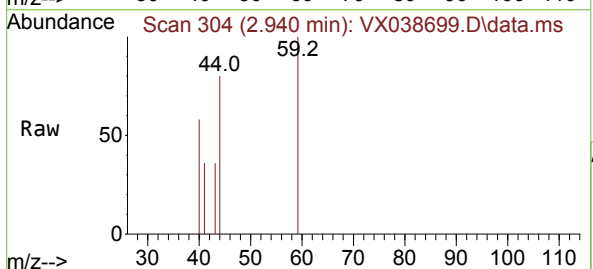
Instrument :
MSVOA_X
ClientSampleId :

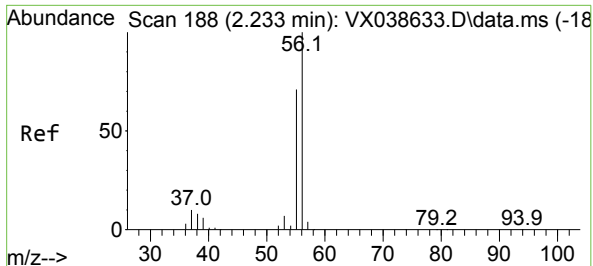
Tgt Ion:168 Resp: 280129
Ion Ratio Lower Upper
168 100
99 53.0 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.628 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.278 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

Instrument :

MSVOA_X

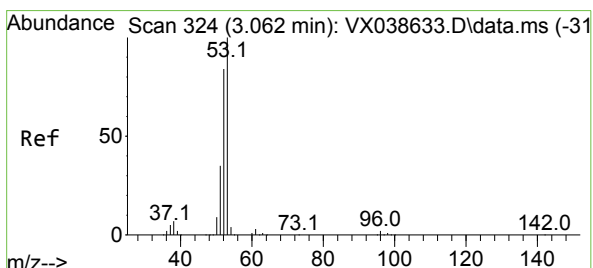
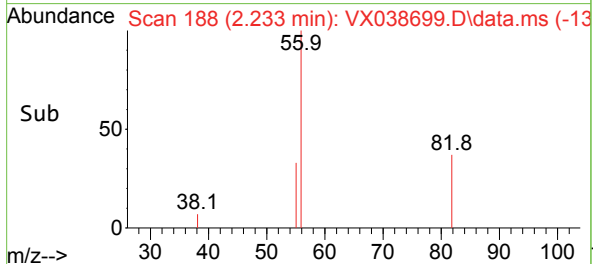
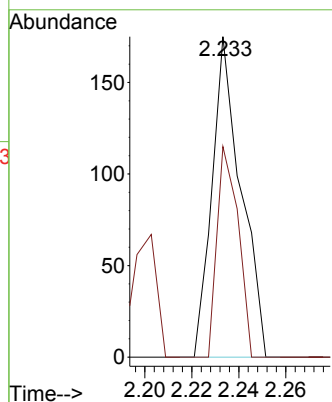
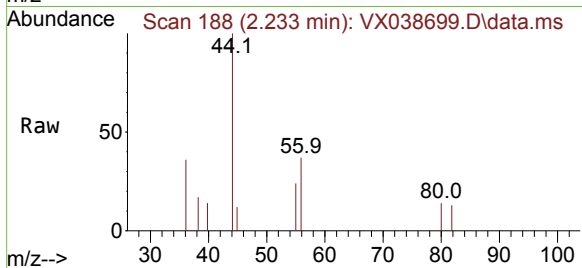
ClientSampleId :

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 48.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.345 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

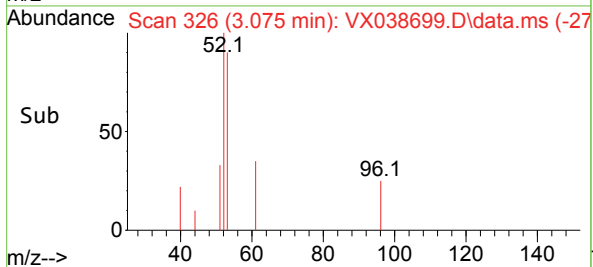
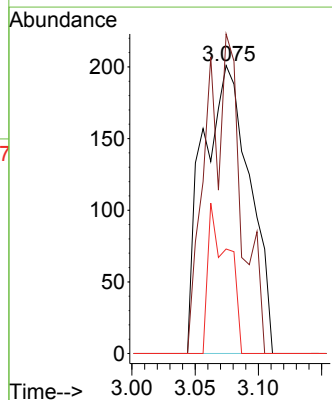
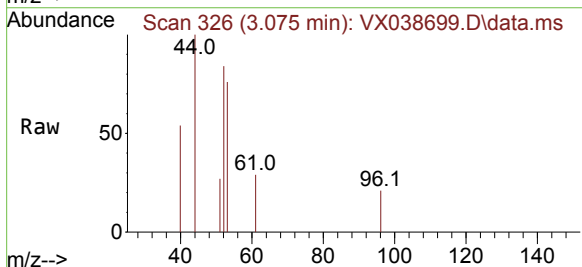
Tgt Ion: 53 Resp: 519

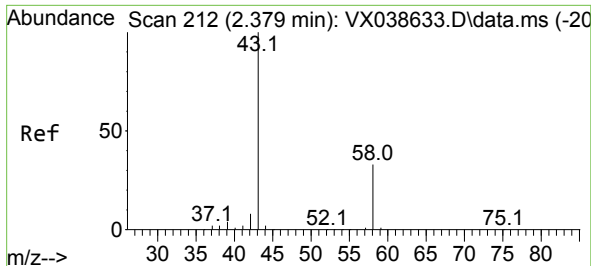
Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

51 22.4 29.8 44.6#

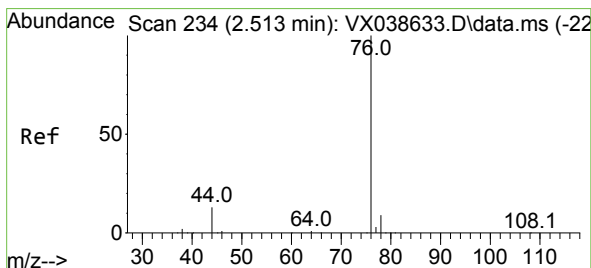
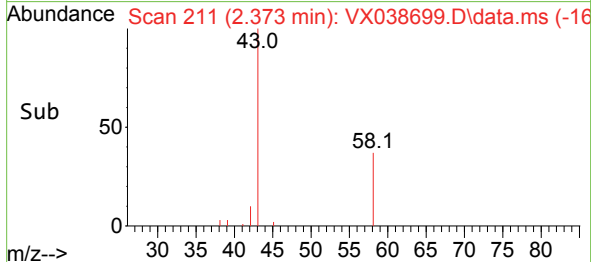
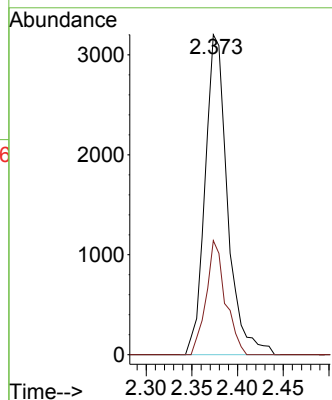
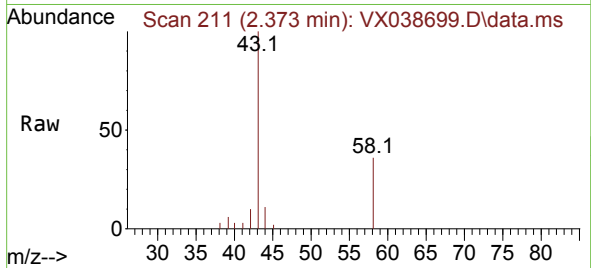




#16
Acetone
Concen: 3.715 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

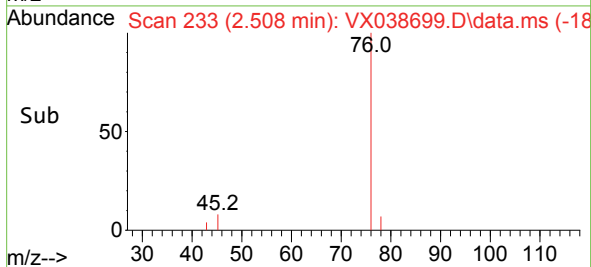
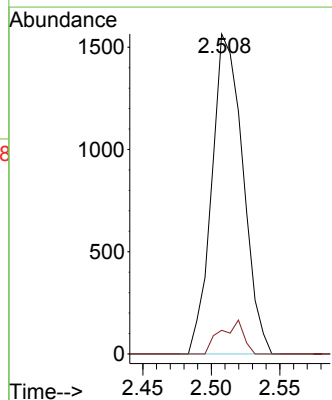
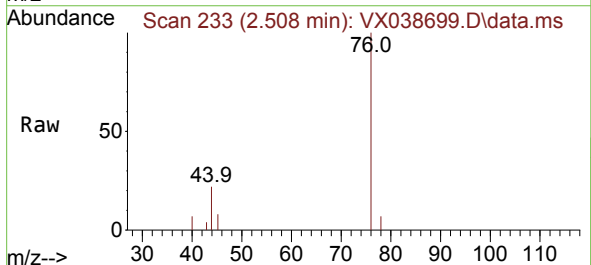
Instrument :
MSVOA_X
ClientSampleId :

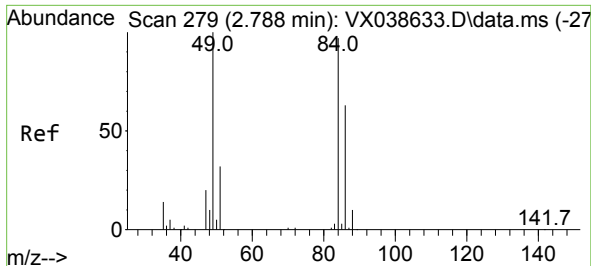
Tgt Ion: 43 Resp: 5456
Ion Ratio Lower Upper
43 100
58 35.7 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

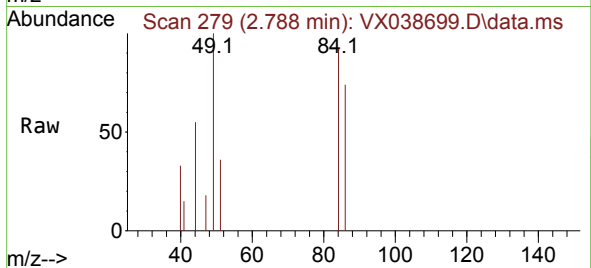
Tgt Ion: 76 Resp: 2470
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.6





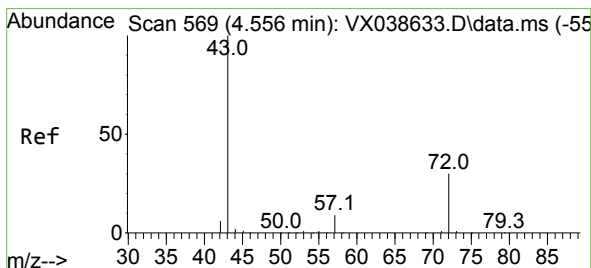
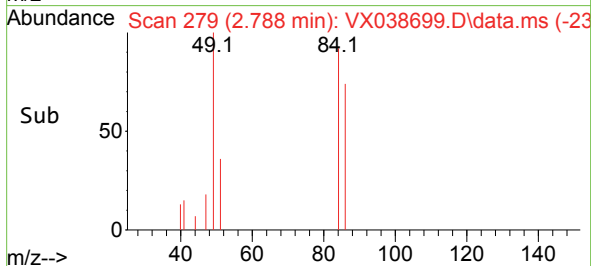
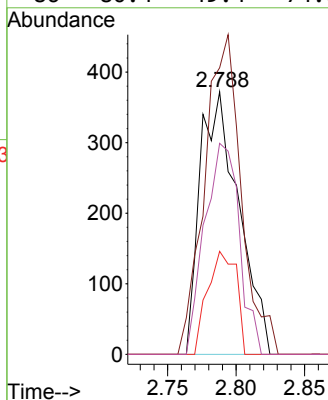
#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 728

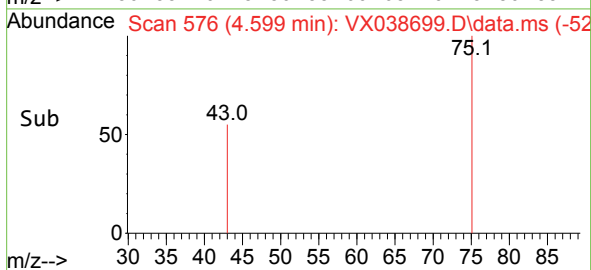
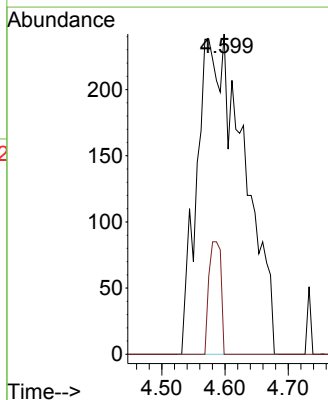
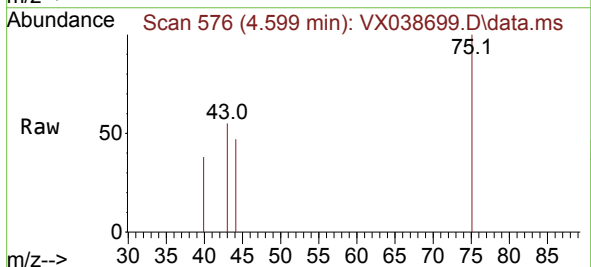
Ion	Ratio	Lower	Upper
84	100		
49	109.1	103.6	155.4
51	39.2	33.8	50.6
86	80.4	49.4	74.0

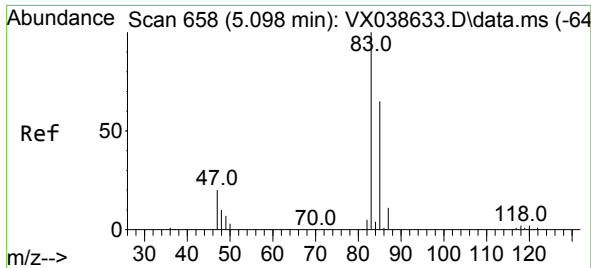


#25
2-Butanone
Concen: 0.585 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 43 Resp: 1244

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2

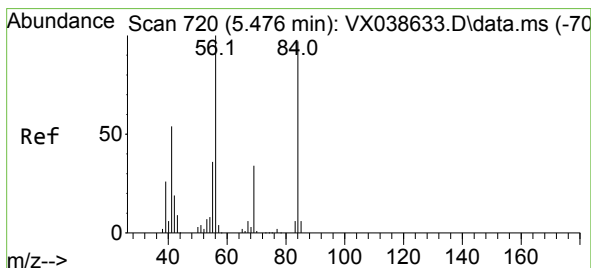
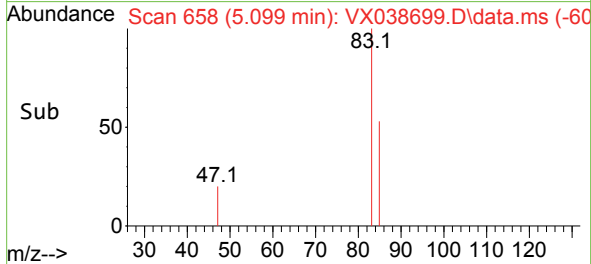
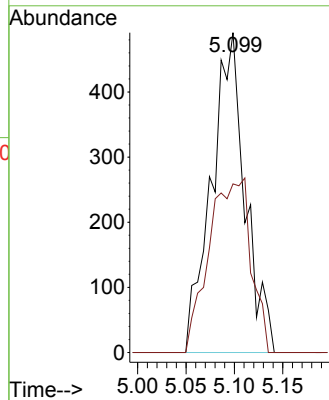
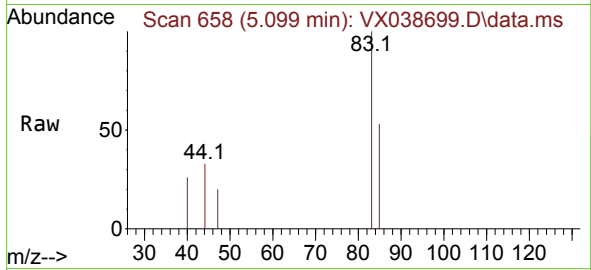




#30
Chloroform
Concen: 0.216 ug/l
RT: 5.099 min Scan# 611
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

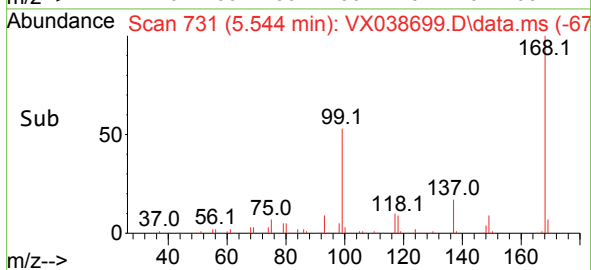
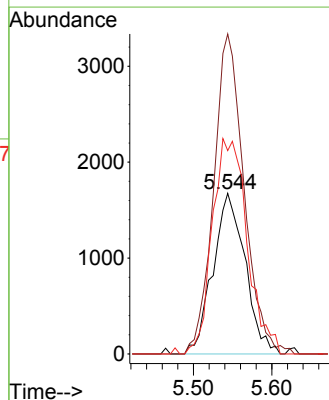
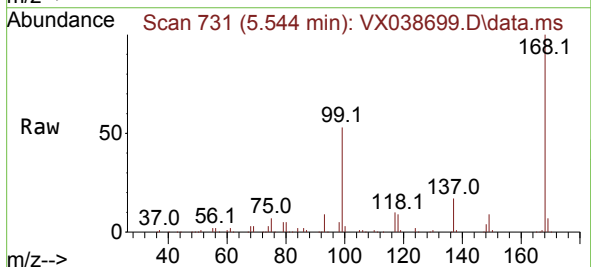
Instrument :
MSVOA_X
ClientSampleId :

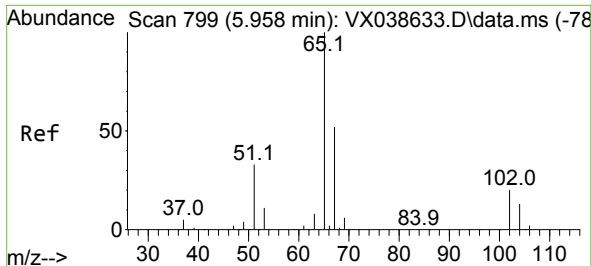
Tgt Ion: 83 Resp: 1185
Ion Ratio Lower Upper
83 100
85 52.7 50.3 75.5



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 56 Resp: 4781
Ion Ratio Lower Upper
56 100
69 199.2 23.4 35.2#
84 126.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.495 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

Instrument :

MSVOA_X

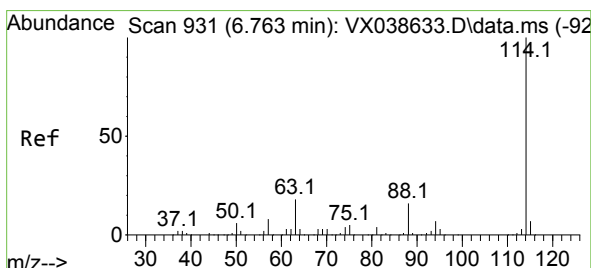
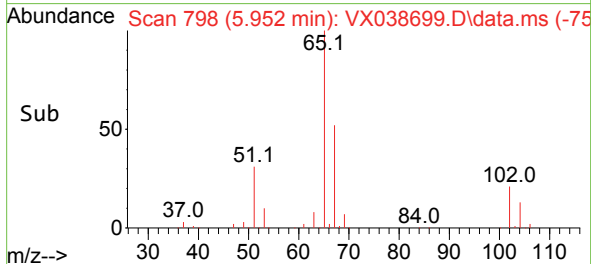
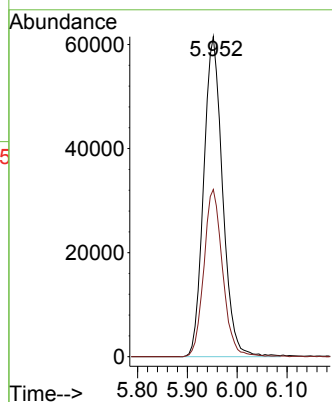
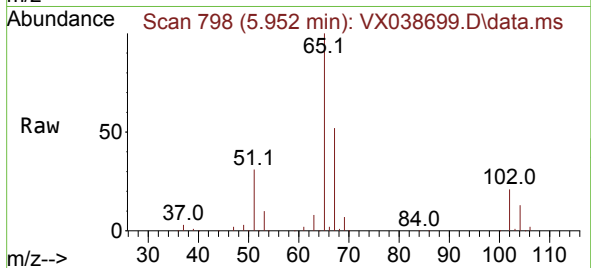
ClientSampleId :

Tgt Ion: 65 Resp: 162153

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

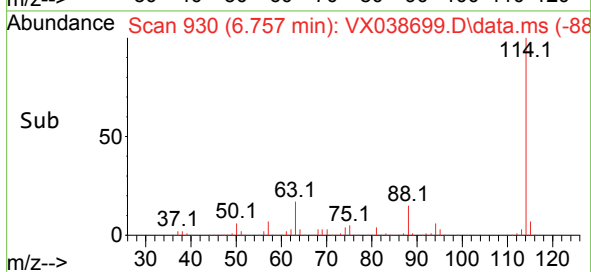
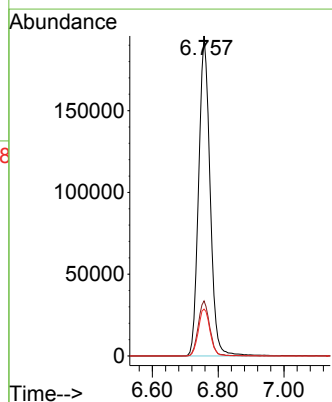
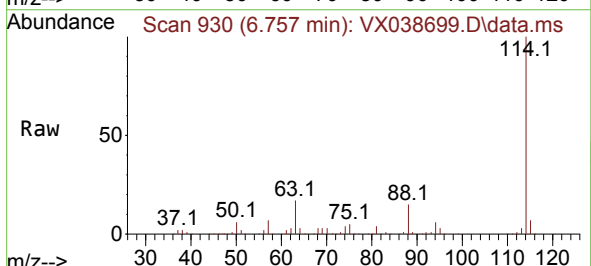
Tgt Ion: 114 Resp: 470039

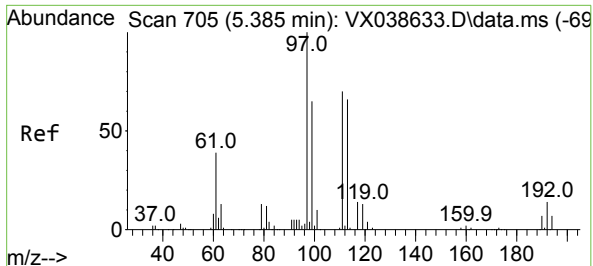
Ion Ratio Lower Upper

114 100

63 17.2 0.0 45.0

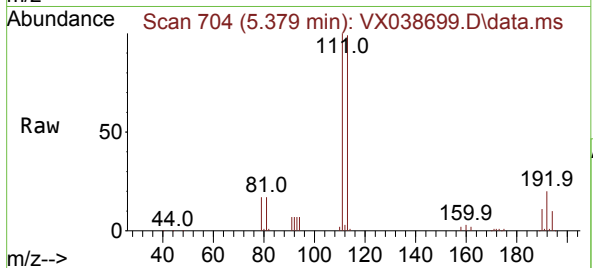
88 14.7 0.0 36.6



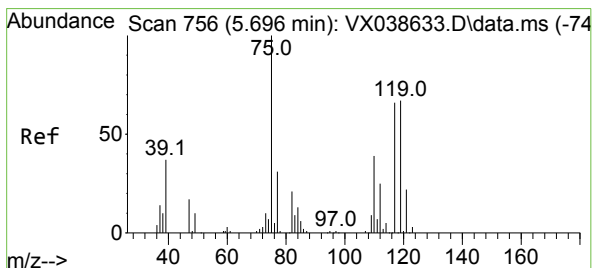
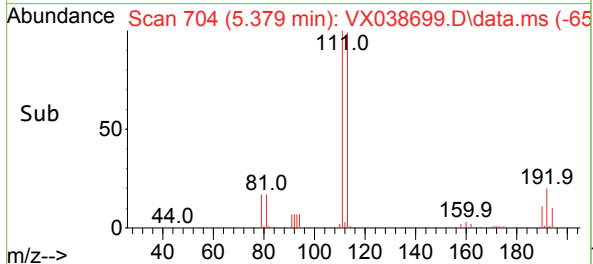
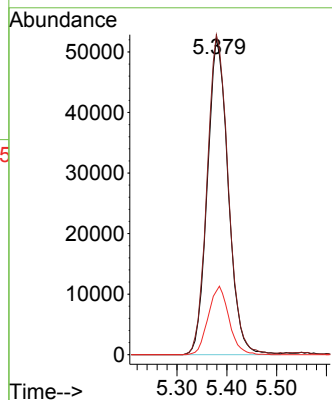


#35
Dibromofluoromethane
Concen: 44.656 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Instrument :
MSVOA_X
ClientSampleId :

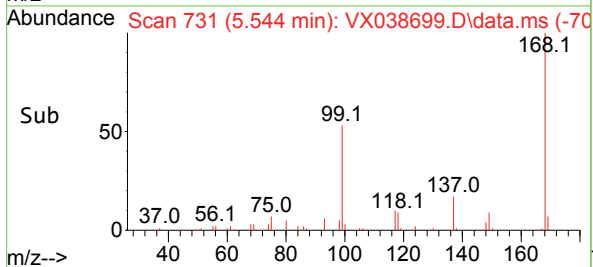
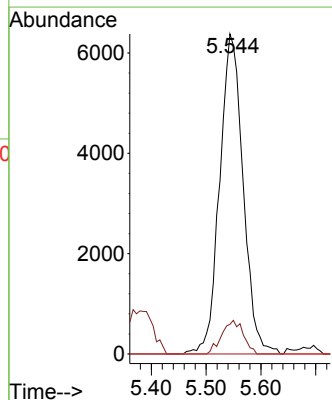
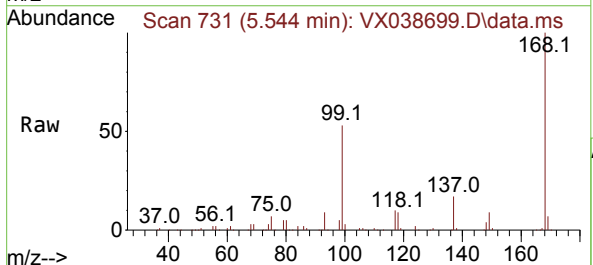


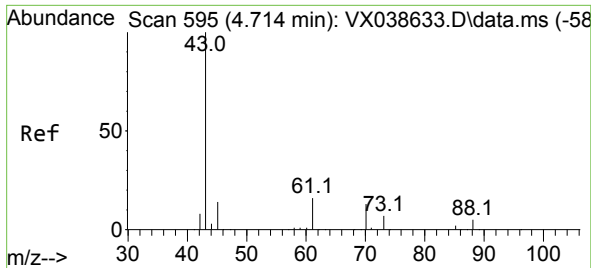
Tgt Ion:113 Resp: 151176
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 21.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.509 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 75 Resp: 18960
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.290 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.116 min

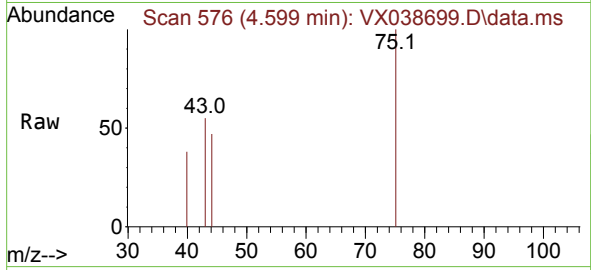
Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

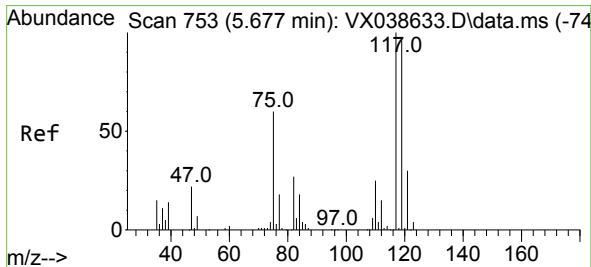
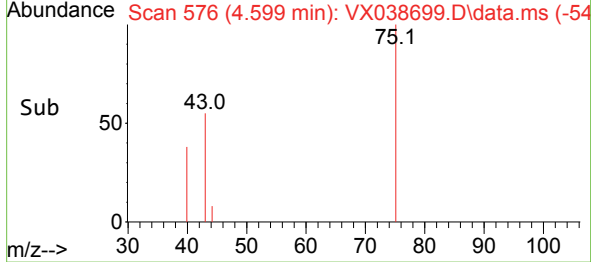
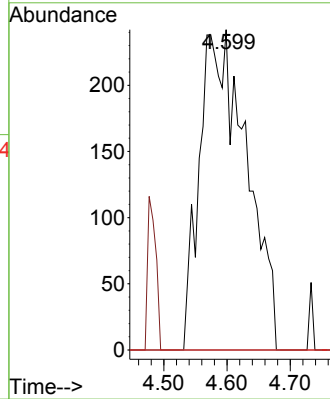
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1244
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.603 ug/l

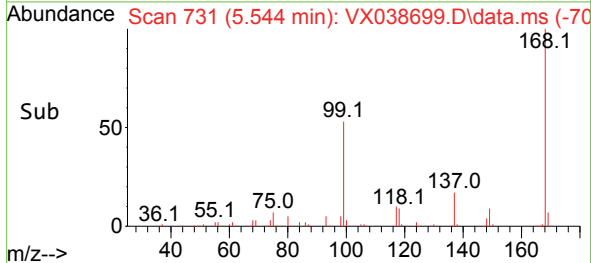
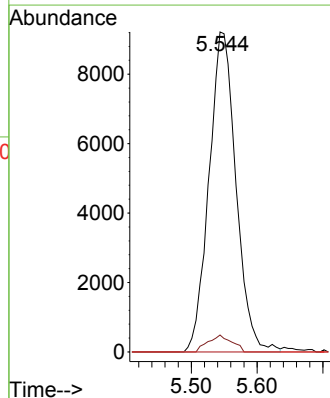
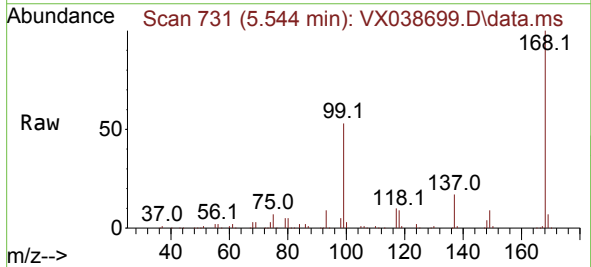
RT: 5.544 min Scan# 731

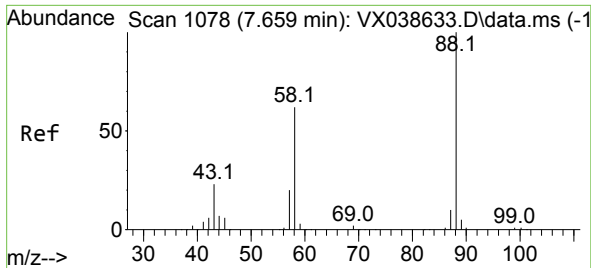
Delta R.T. -0.134 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

Tgt Ion: 117	Resp: 26340
Ion Ratio	Lower Upper
117	100
119	5.3 78.2 117.2#
121	0.0 24.4 36.6#

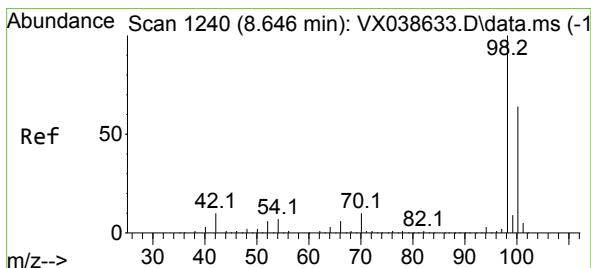
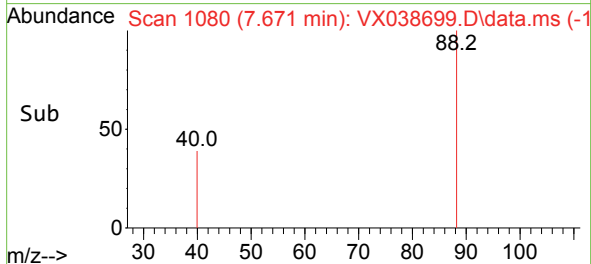
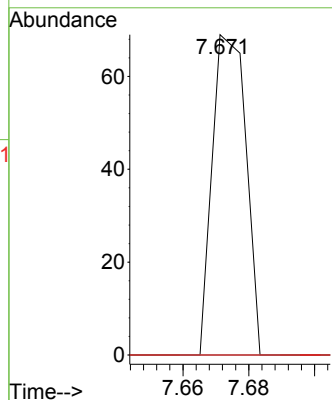
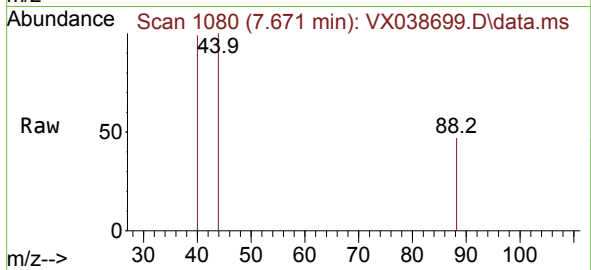




#49
1,4-Dioxane
Concen: 0.677 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

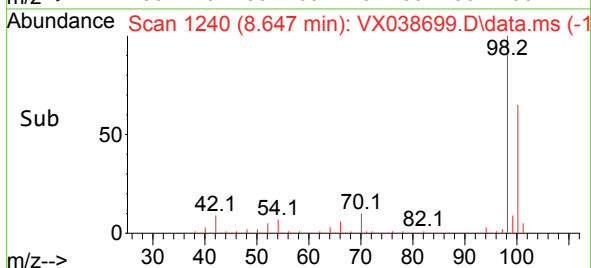
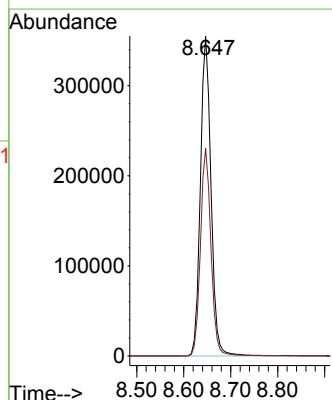
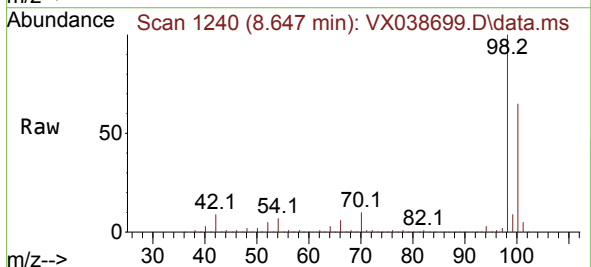
Instrument :
MSVOA_X
ClientSampleId :

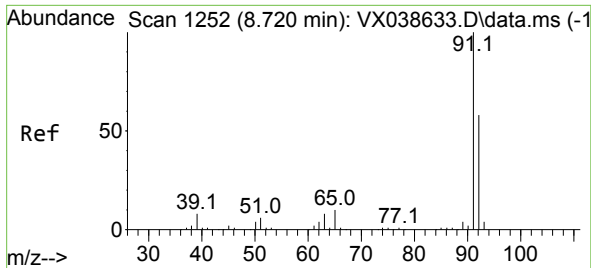
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 46.199 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 98 Resp: 559656
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

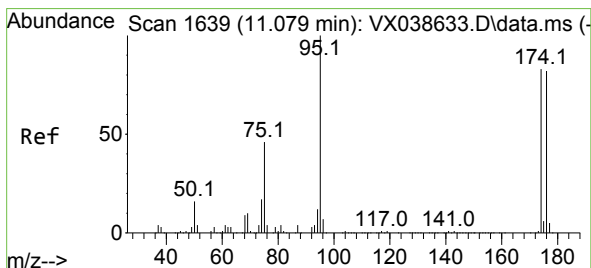
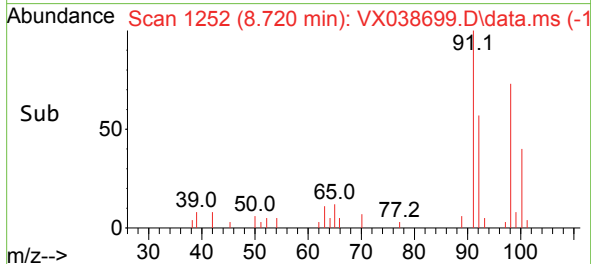
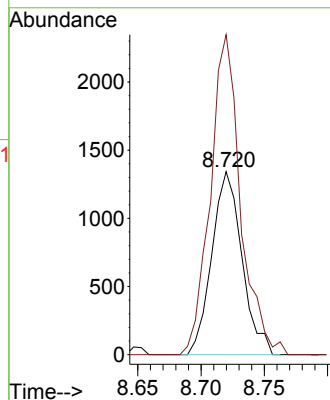
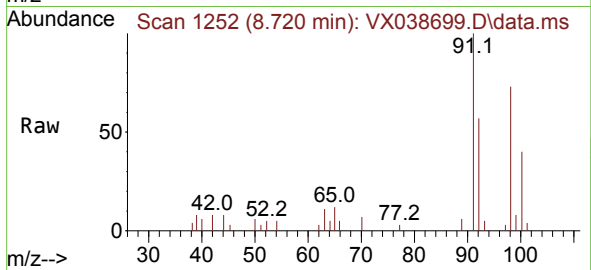




#52
Toluene
Concen: 0.280 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

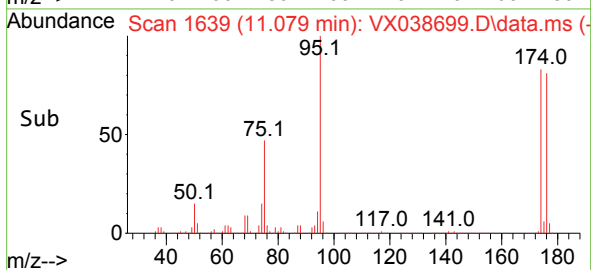
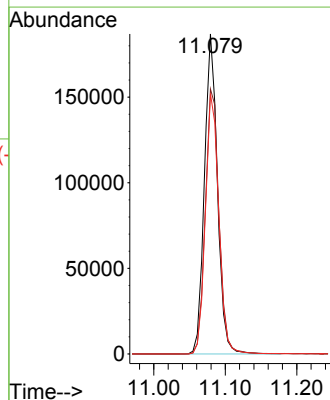
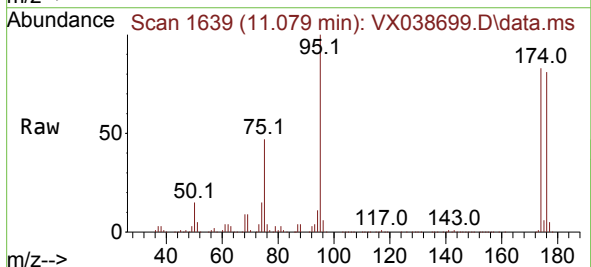
Instrument :
MSVOA_X
ClientSampleId :

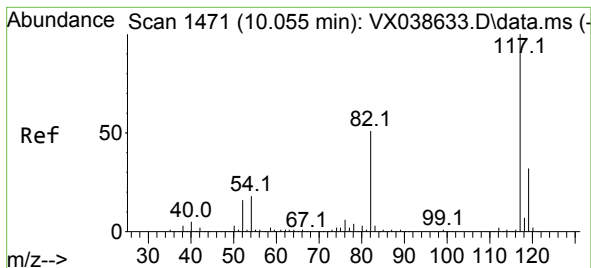
Tgt Ion: 92 Resp: 2222
Ion Ratio Lower Upper
92 100
91 175.3 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 50.281 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion: 95 Resp: 236161
Ion Ratio Lower Upper
95 100
174 87.4 0.0 135.6
176 84.1 0.0 131.0

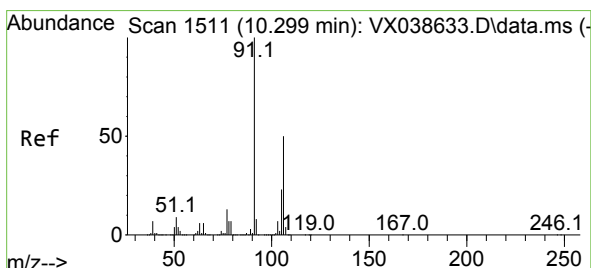
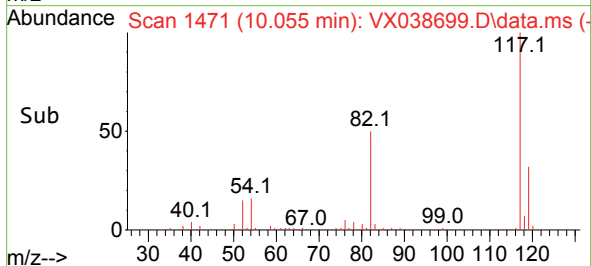
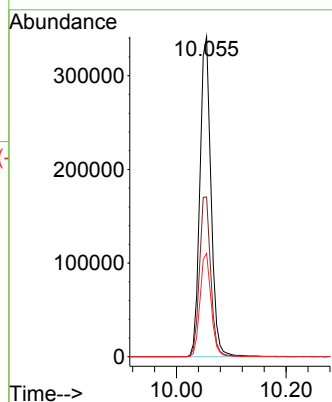
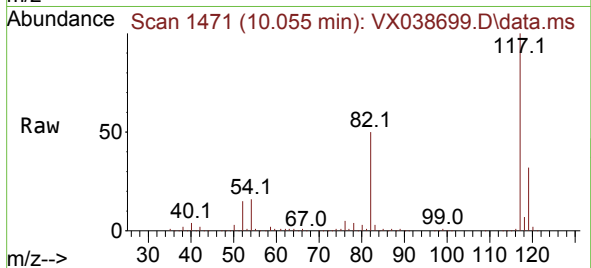




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

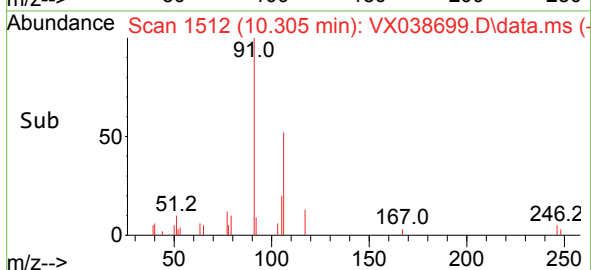
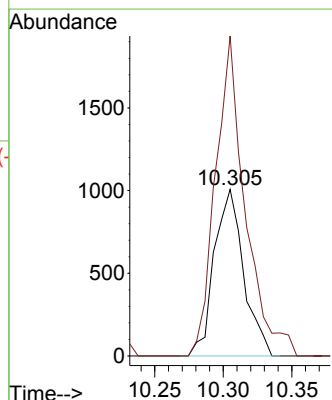
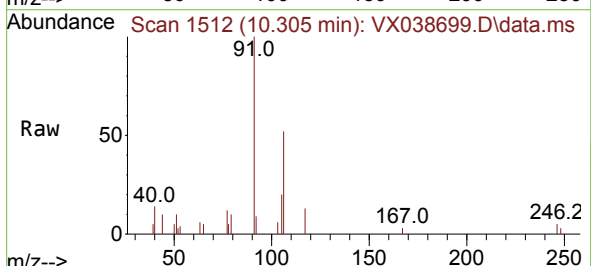
Instrument :
MSVOA_X
ClientSampleId :

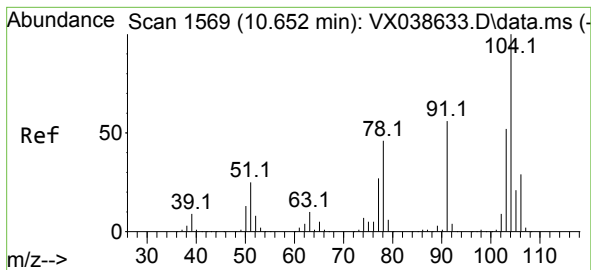
Tgt Ion:117 Resp: 482450
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Tgt Ion:106 Resp: 1499
Ion Ratio Lower Upper
106 100
91 194.7 165.5 248.3





#70

Styrene

Concen: 0.562 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

Instrument :

MSVOA_X

ClientSampleId :

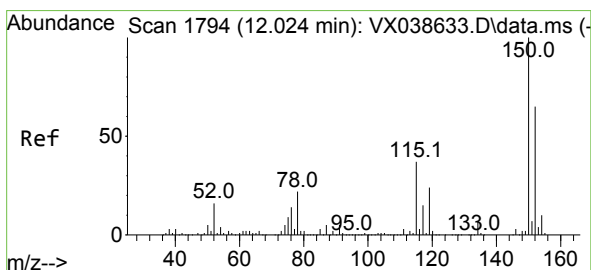
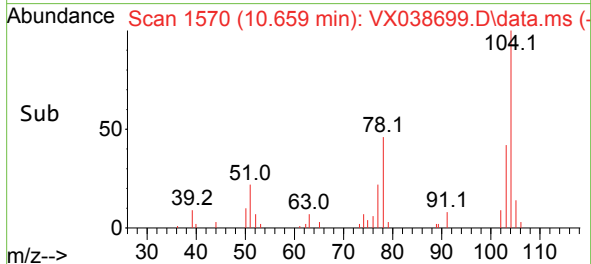
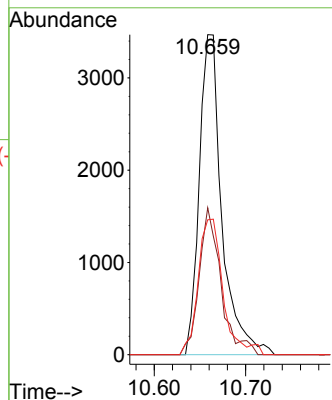
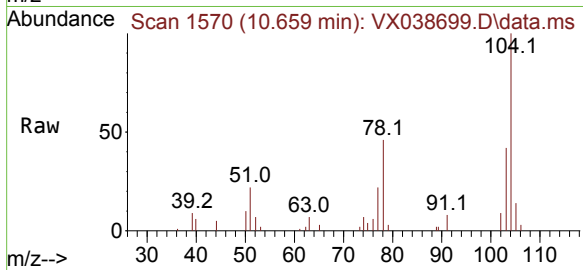
Tgt Ion:104 Resp: 5950

Ion Ratio Lower Upper

104 100

78 44.2 43.6 65.4

103 46.8 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

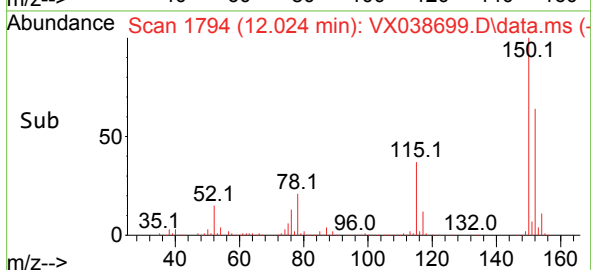
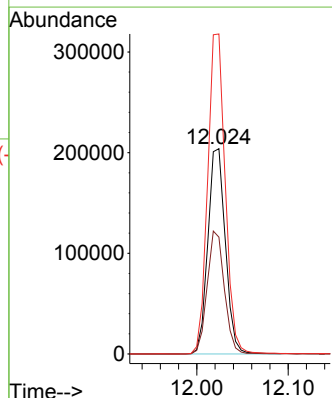
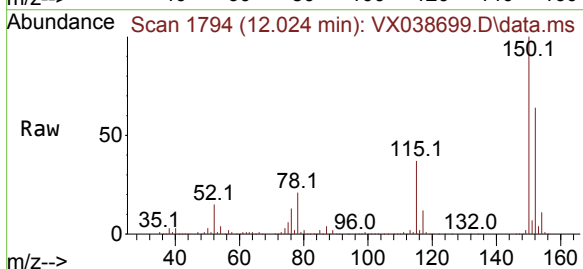
Tgt Ion:152 Resp: 271165

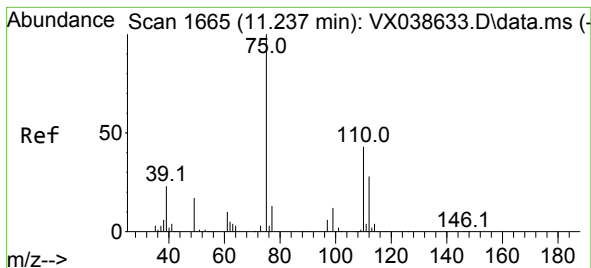
Ion Ratio Lower Upper

152 100

115 58.8 43.3 129.9

150 156.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.762 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

Instrument :

MSVOA_X

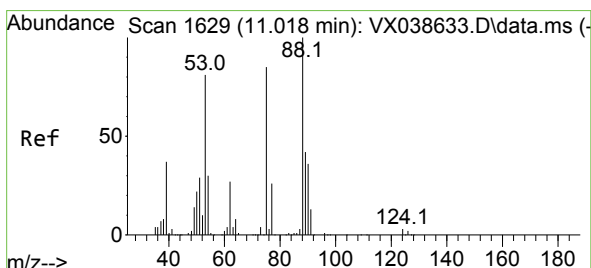
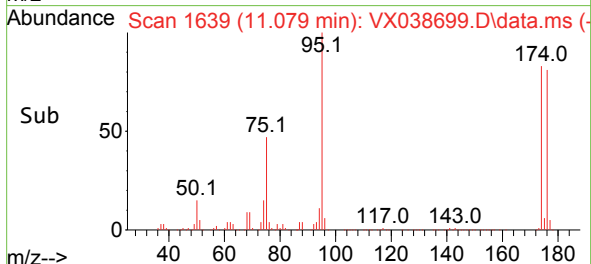
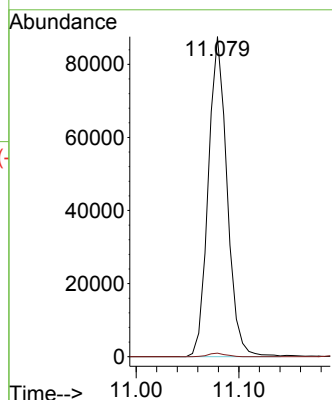
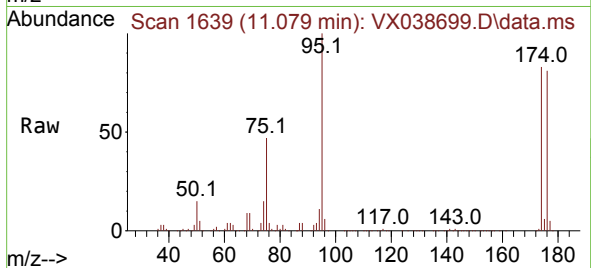
ClientSampleId :

Tgt Ion: 75 Resp: 111499

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.191 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

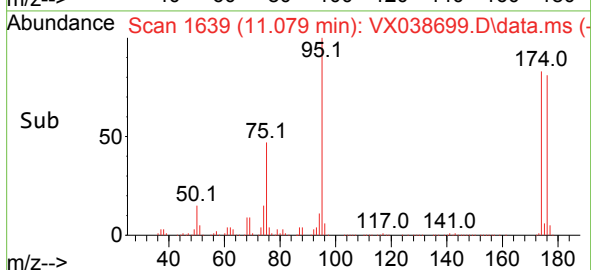
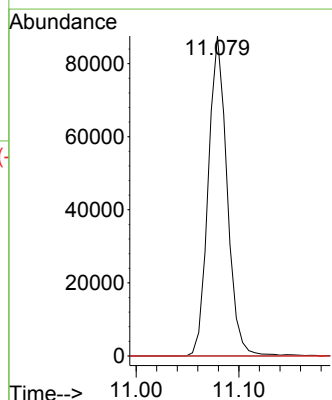
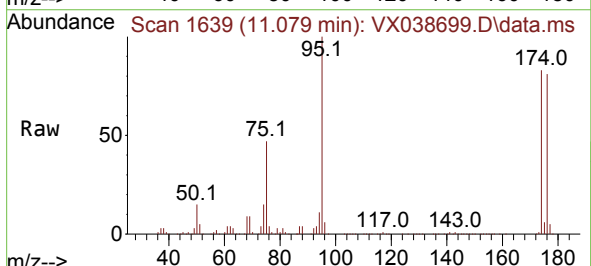
Tgt Ion: 75 Resp: 111499

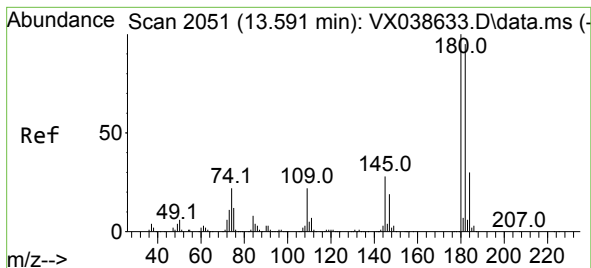
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.248 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX038699.D

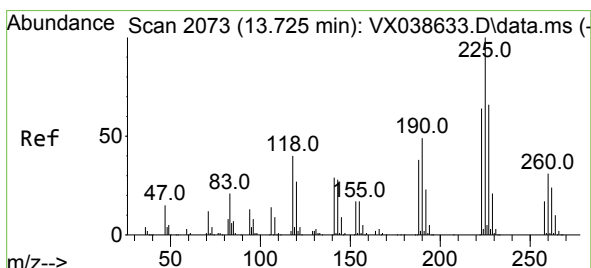
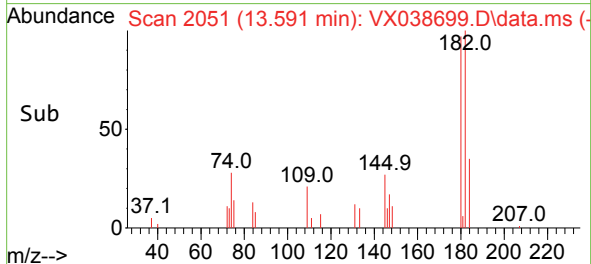
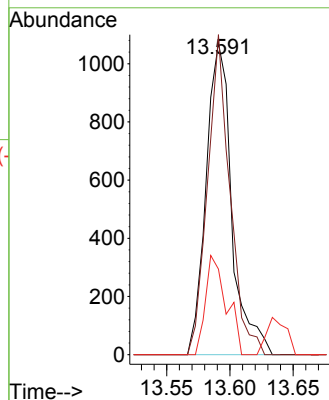
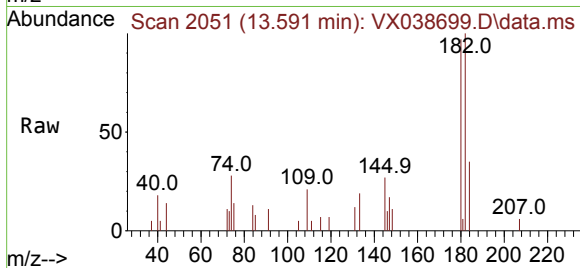
Acq: 10 Nov 2023 03:08

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1512
Ion Ratio	Lower	Upper
180	100	
182	89.6	48.3 144.8
145	26.0	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.317 ug/l

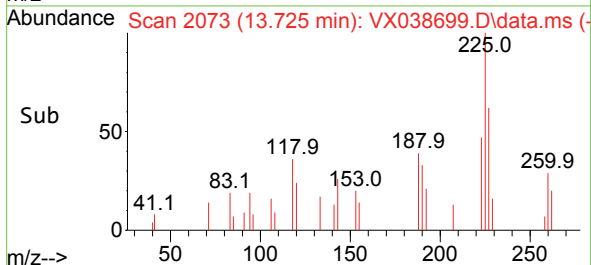
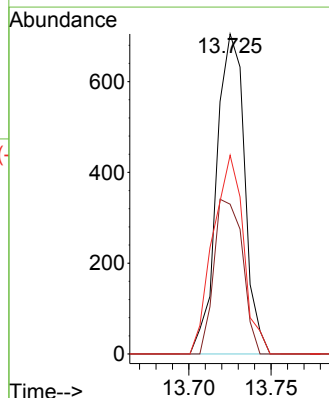
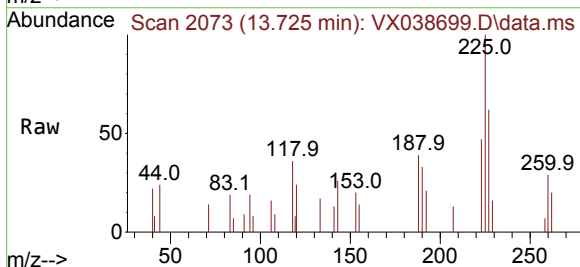
RT: 13.725 min Scan# 2073

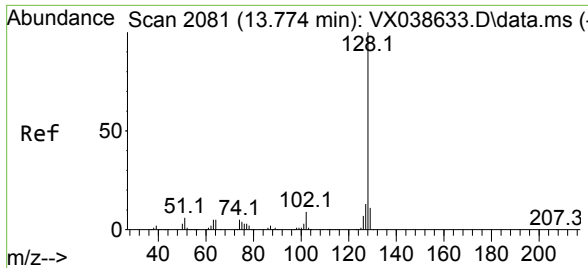
Delta R.T. 0.000 min

Lab File: VX038699.D

Acq: 10 Nov 2023 03:08

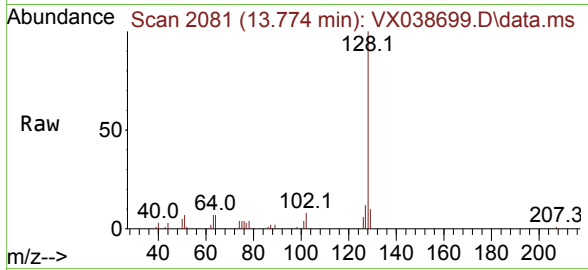
Tgt Ion:225	Resp:	834
Ion Ratio	Lower	Upper
225	100	
223	49.2	31.1 93.2
227	67.9	32.5 97.5





#95
Naphthalene
Concen: 0.487 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX038699.D
Acq: 10 Nov 2023 03:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	8960
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.3	15.5
129	10.3	8.8	13.2

