

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011123\
 Data File : VX033698.D
 Acq On : 11 Jan 2023 16:33
 Operator : JC/MD
 Sample : VX0111WBL03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111WBL03

Quant Time: Jan 12 00:23:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

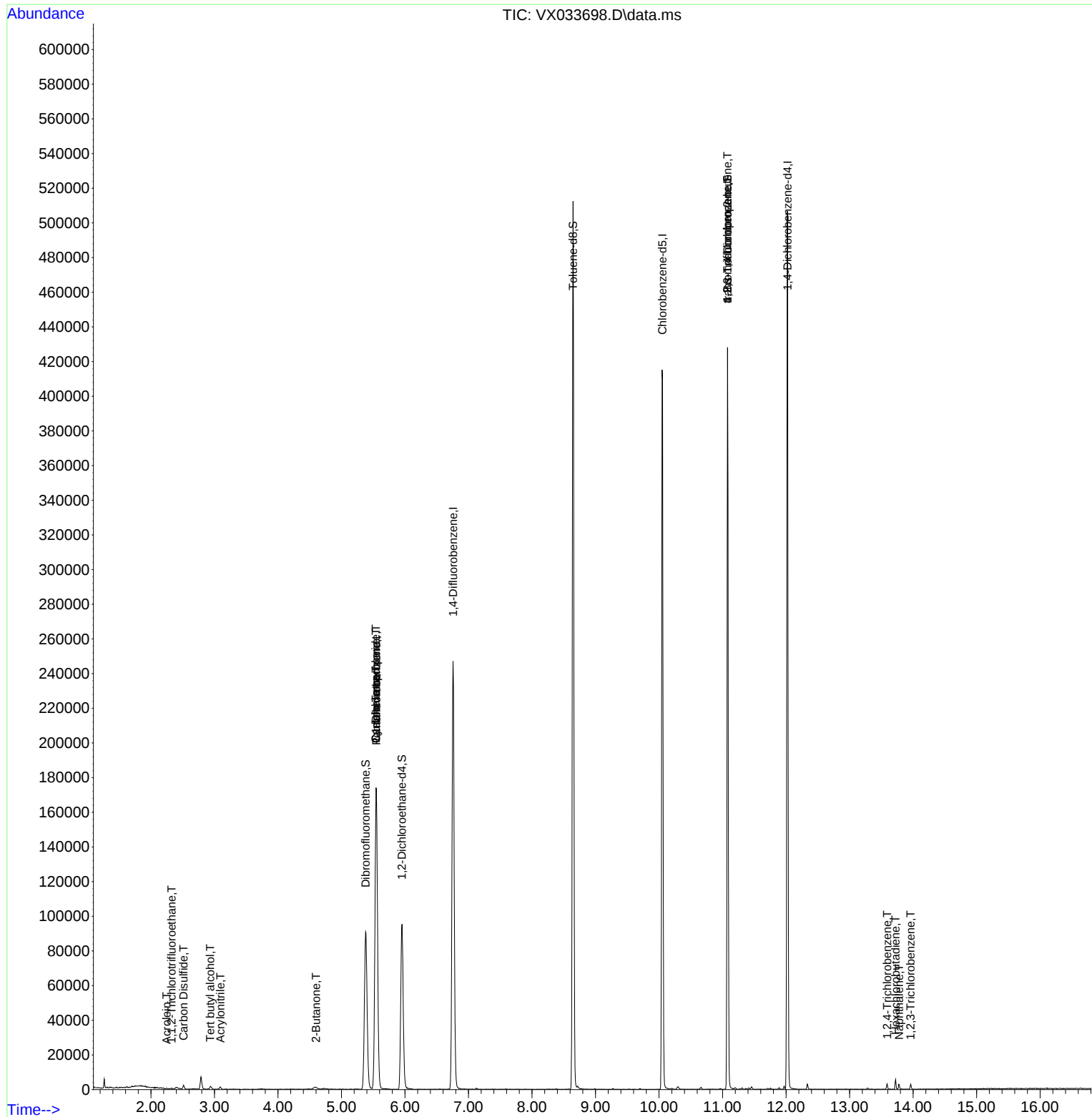
Internal Standards						
1) Pentafluorobenzene	5.550	168	181942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265142	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92616	48.346	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.379	113	81360	49.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.840%		
50) Toluene-d8	8.647	98	306005	51.012	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.020%		
62) 4-Bromofluorobenzene	11.079	95	109060	48.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	22	0.734	ug/l #	57
11) Tert butyl alcohol	2.934	59	1000	3.005	ug/l #	86
13) Acrolein	2.246	56	100	0.326	ug/l #	73
15) Acrylonitrile	3.093	53	402	0.459	ug/l #	51
16) Acetone	2.398	43	1843	Below Cal		92
17) Carbon Disulfide	2.514	76	2687	2.513	ug/l	96
20) Methylene Chloride	2.788	84	3158	Below Cal		97
25) 2-Butanone	4.599	43	838	0.670	ug/l #	84
31) Cyclohexane	5.544	56	3121	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11717	4.876	ug/l #	48
37) Ethyl Acetate	4.727	43	1029	Below Cal	#	68
38) Carbon Tetrachloride	5.544	117	16330	6.562	ug/l #	15
64) Tetrachloroethene	9.275	164	113	Below Cal		94
73) Isopropylbenzene	10.963	105	337	Below Cal	#	61
75) 1,1,2,2-Tetrachloroethane	11.213	83	43	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	50685	23.806	ug/l #	34
77) Bromobenzene	11.207	156	248	Below Cal		83
79) 2-Chlorotoluene	11.463	91	716	Below Cal		93
81) trans-1,4-Dichloro-2-b...	11.079	75	50685	73.988	ug/l #	8
82) 4-Chlorotoluene	11.463	91	716	Below Cal		85
93) 1,2,4-Trichlorobenzene	13.591	180	968	0.380	ug/l	94
94) Hexachlorobutadiene	13.725	225	919	0.737	ug/l	99
95) Naphthalene	13.780	128	2417	0.330	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	973	0.382	ug/l	97

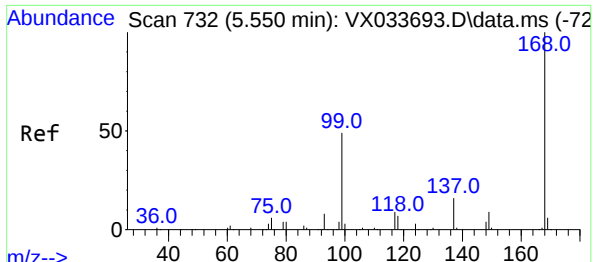
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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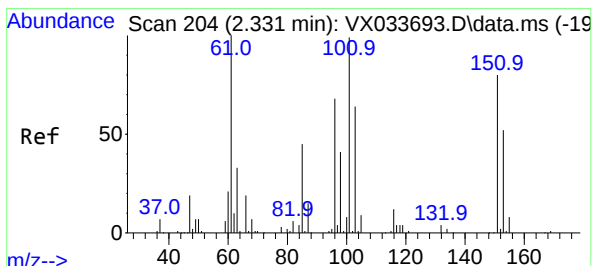
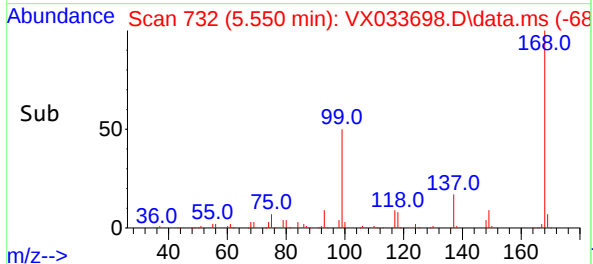
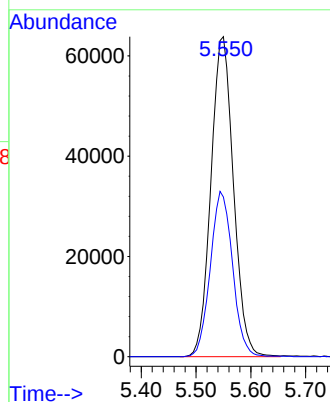
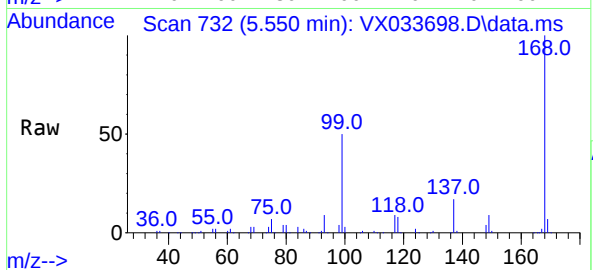




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

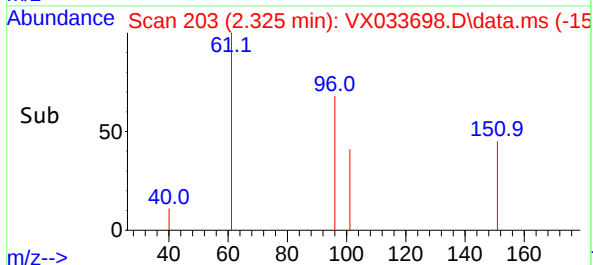
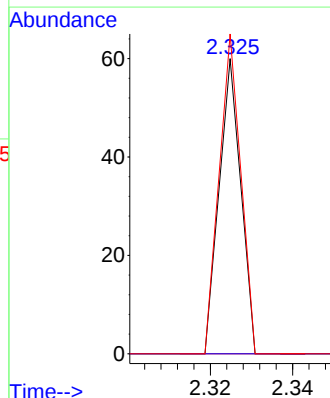
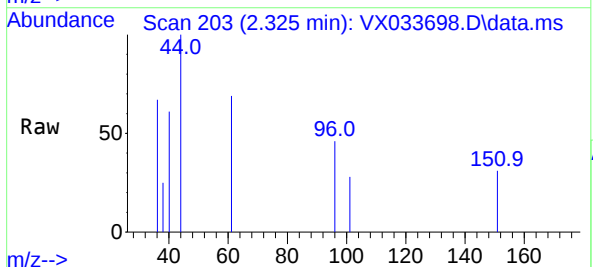
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

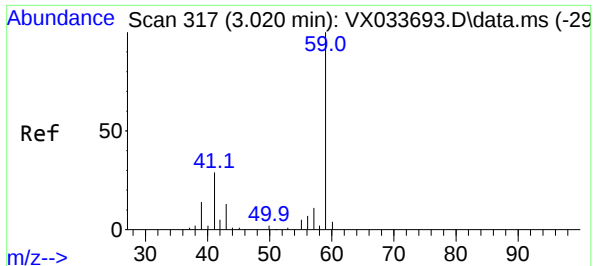
Tgt Ion:168 Resp: 181942
Ion Ratio Lower Upper
168 100
99 49.9 39.6 59.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.734 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion:101 Resp: 22
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 109.1 66.5 99.7#





#11

Tert butyl alcohol

Concen: 3.005 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.085 min

Lab File: VX033698.D

Acq: 11 Jan 2023 16:33

Instrument :

MSVOA_X

ClientSampleId :

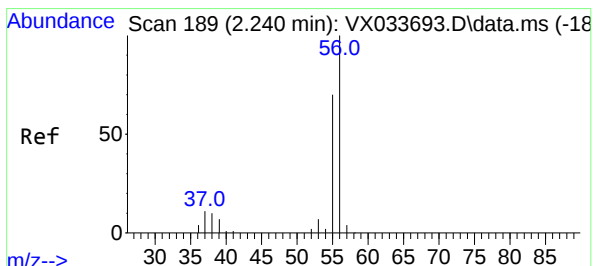
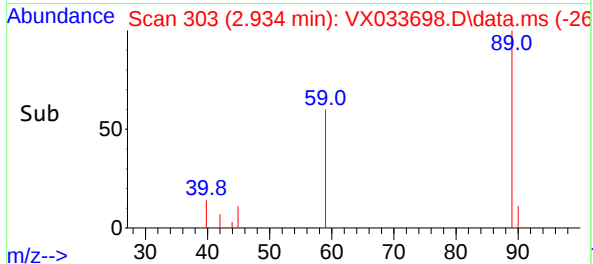
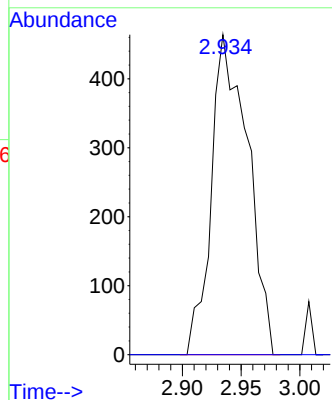
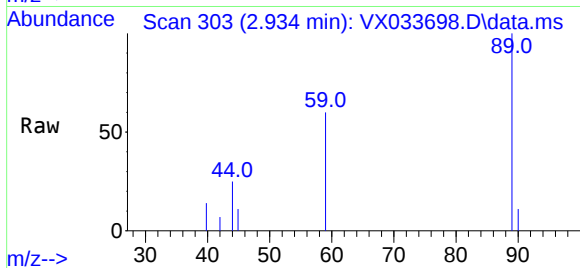
VX0111WBL03

Tgt Ion: 59 Resp: 1000

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#13

Acrolein

Concen: 0.326 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX033698.D

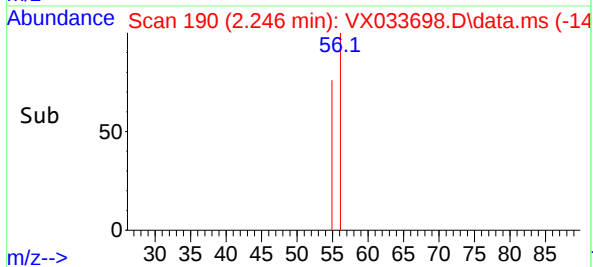
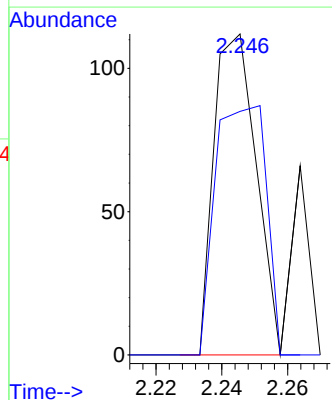
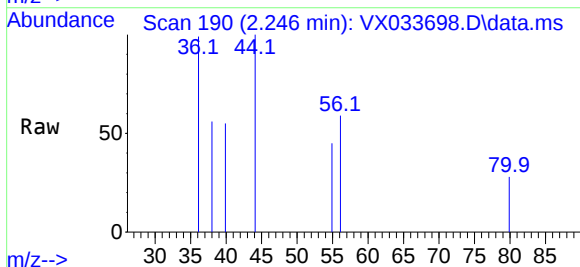
Acq: 11 Jan 2023 16:33

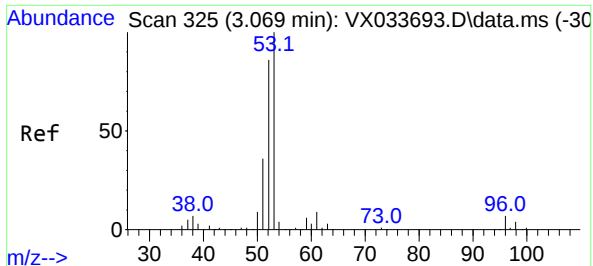
Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 93.0 56.3 84.5#

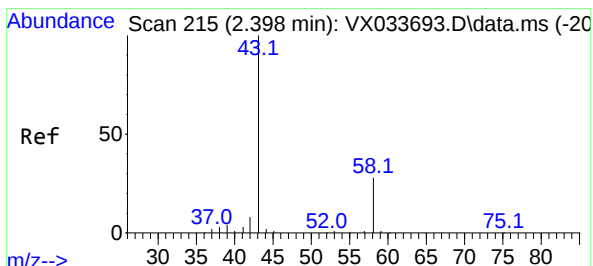
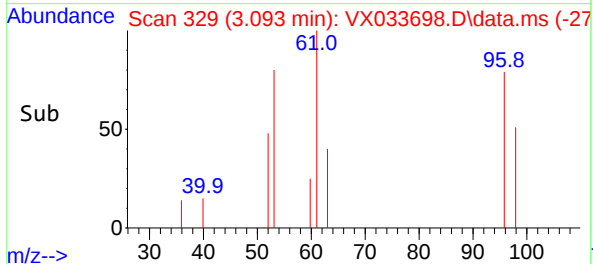
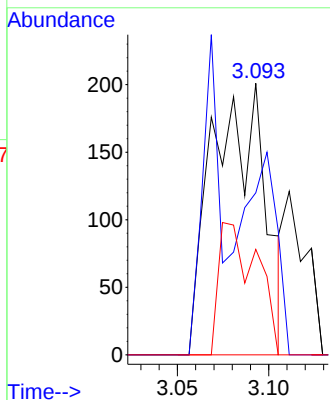
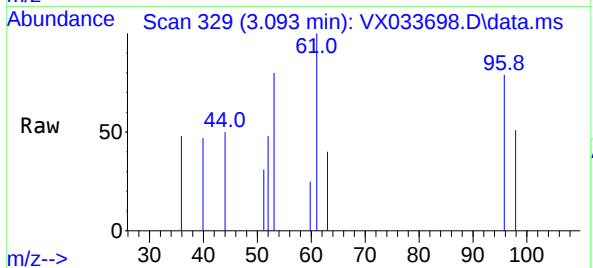




#15
Acrylonitrile
Concen: 0.459 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

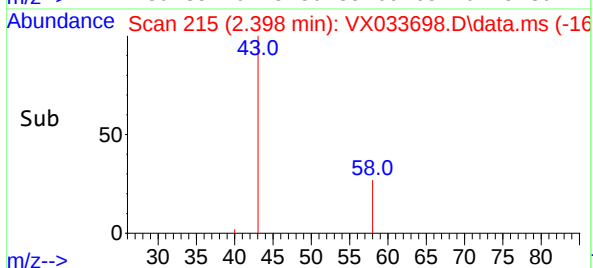
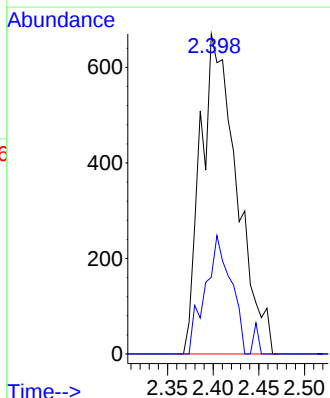
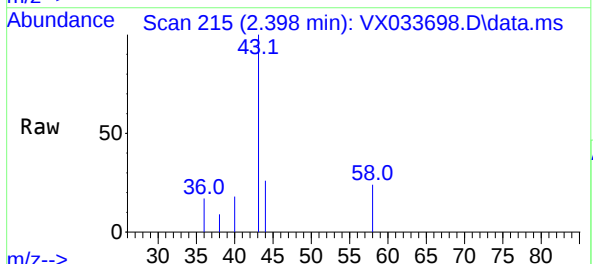
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

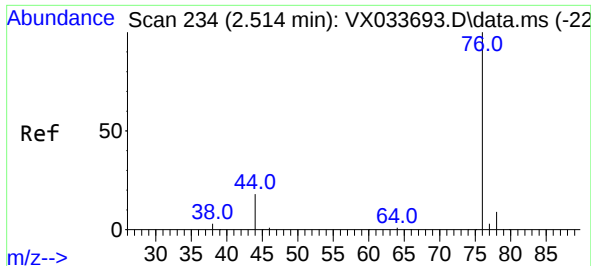
Tgt Ion: 53 Resp: 402
Ion Ratio Lower Upper
53 100
52 42.8 65.7 98.5#
51 0.0 29.0 43.4#



#16
Acetone
Concen: Below Cal
RT: 2.398 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
58 24.0 22.6 33.8

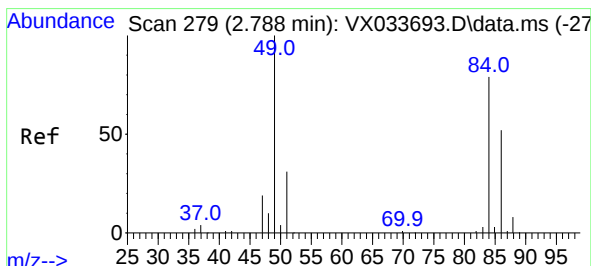
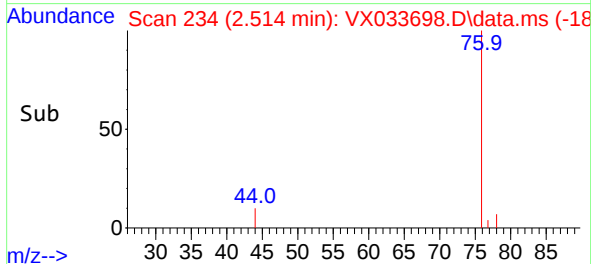
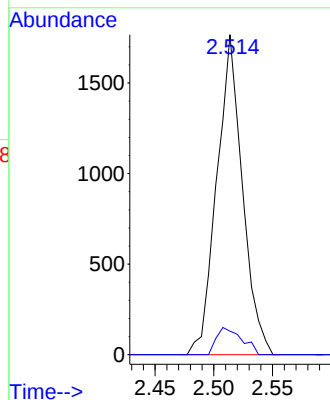
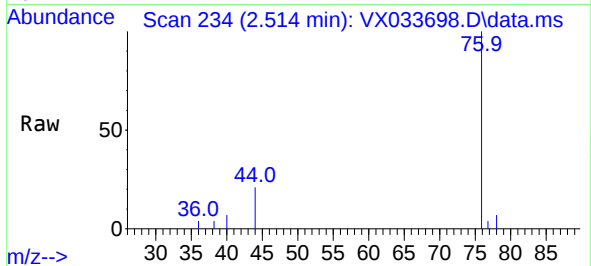




#17
Carbon Disulfide
Concen: 2.513 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

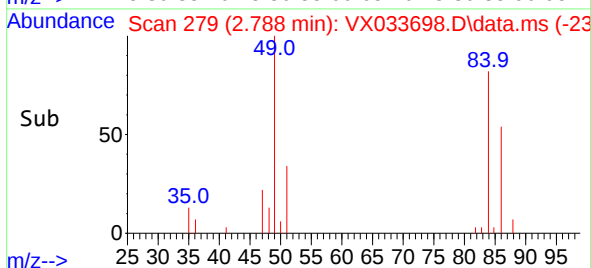
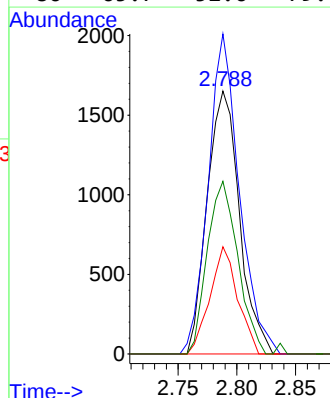
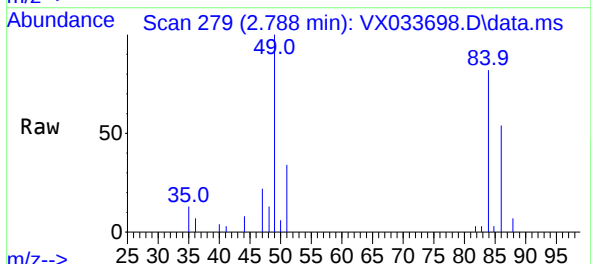
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

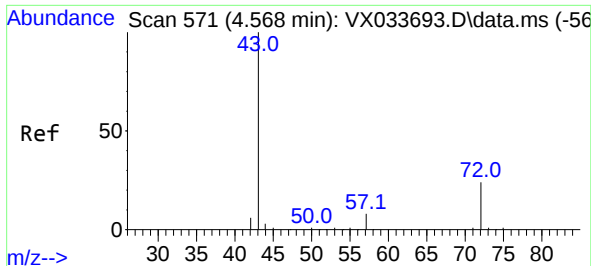
Tgt Ion: 76 Resp: 2687
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 84 Resp: 3158
Ion Ratio Lower Upper
84 100
49 121.7 101.1 151.7
51 40.8 31.0 46.6
86 65.7 52.6 79.0

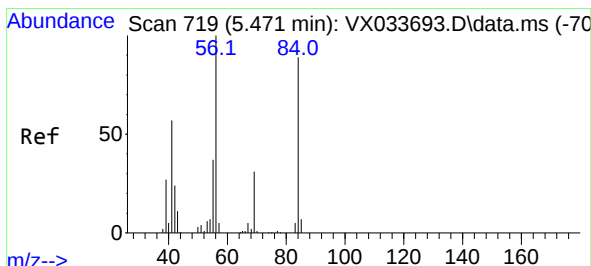
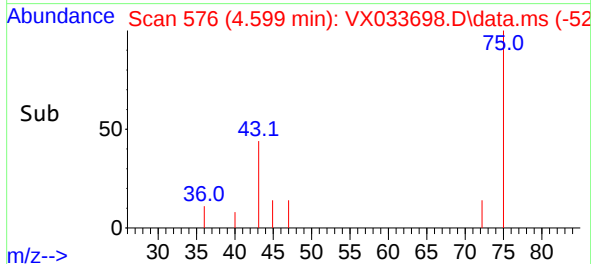
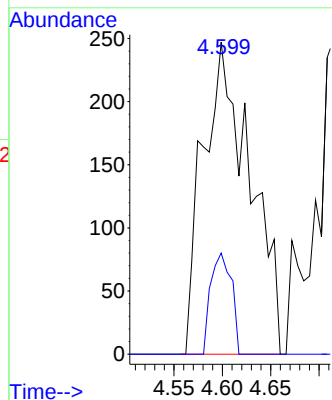
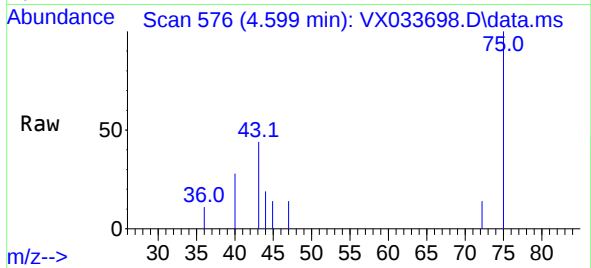




#25
2-Butanone
Concen: 0.670 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

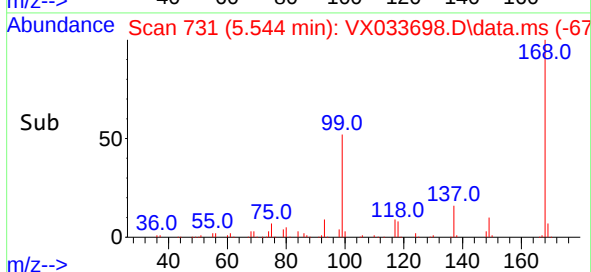
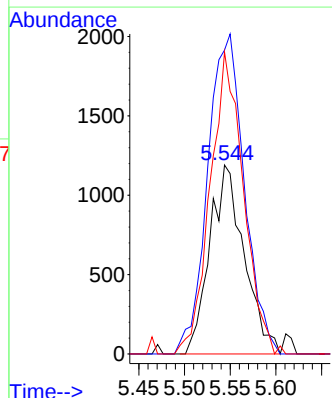
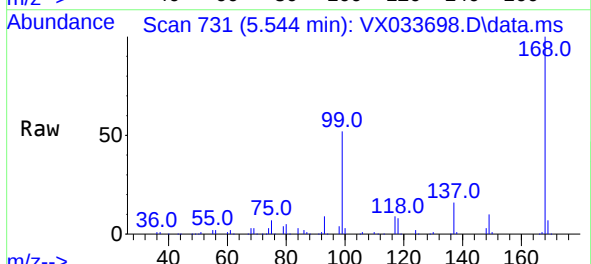
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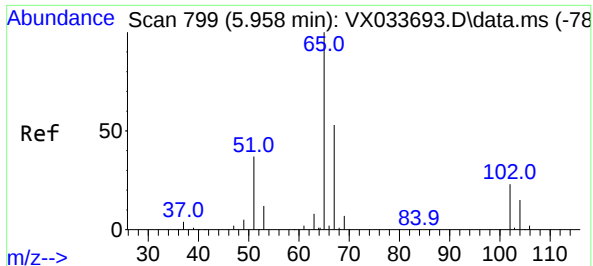
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 32.4 19.4 29.2#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 56 Resp: 3121
Ion Ratio Lower Upper
56 100
69 160.7 24.6 37.0#
84 155.4 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 48.346 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX033698.D

Acq: 11 Jan 2023 16:33

Instrument :

MSVOA_X

ClientSampleId :

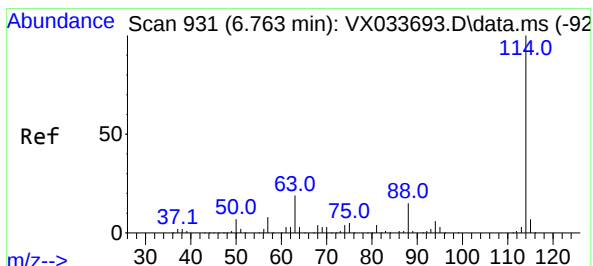
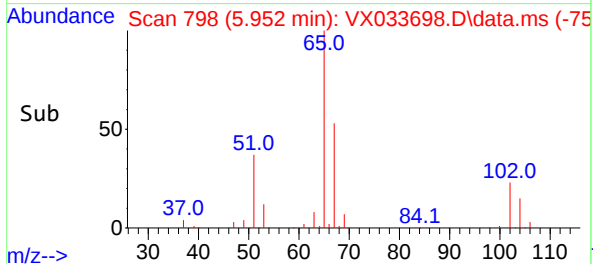
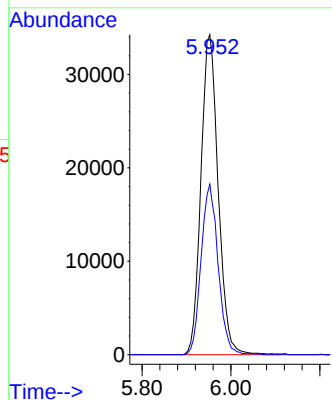
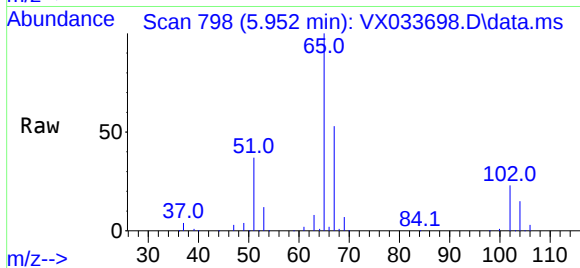
VX0111WBL03

Tgt Ion: 65 Resp: 92616

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033698.D

Acq: 11 Jan 2023 16:33

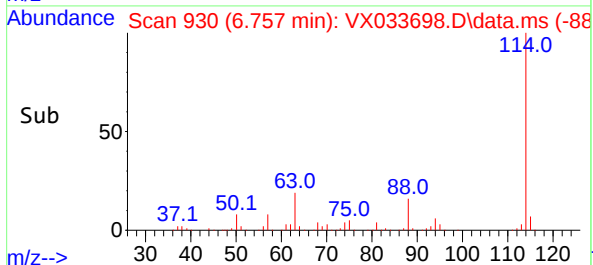
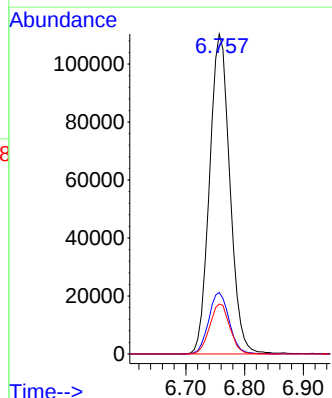
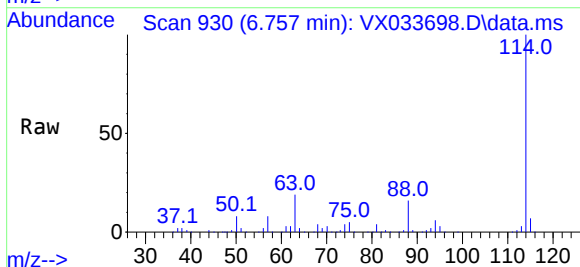
Tgt Ion: 114 Resp: 265142

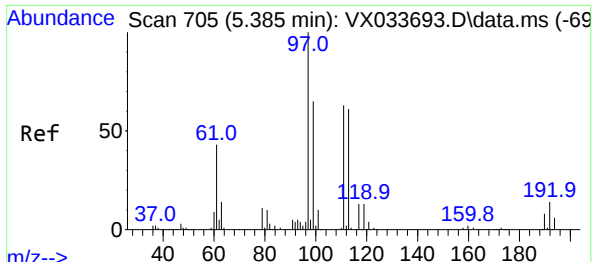
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 15.6 0.0 30.6

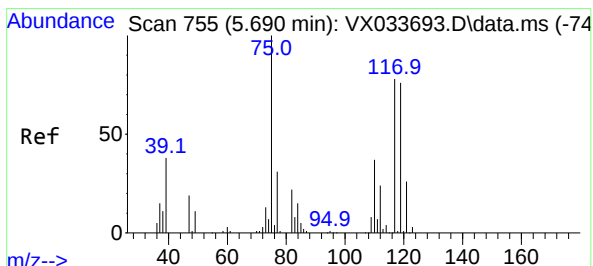
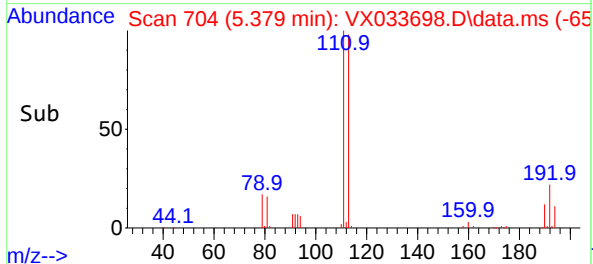
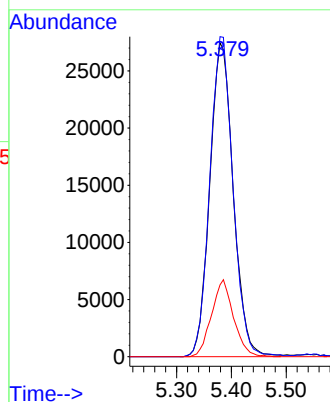
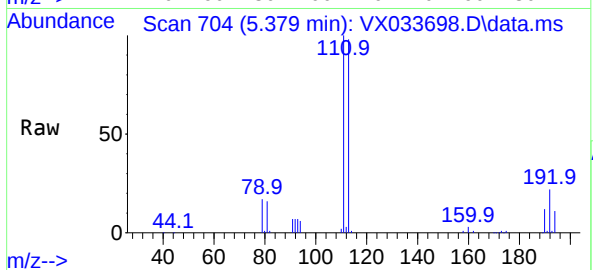




#35
Dibromofluoromethane
Concen: 49.417 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

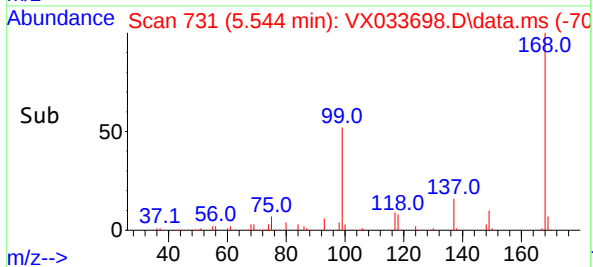
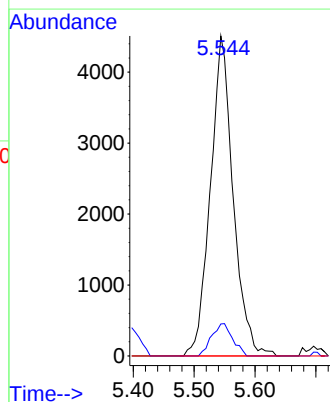
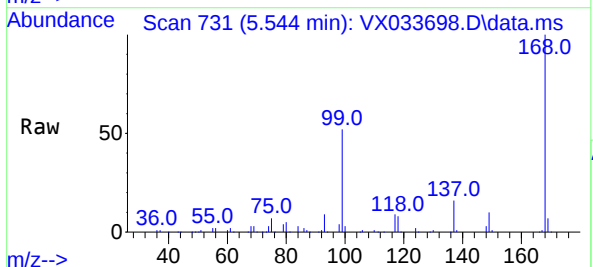
Instrument :
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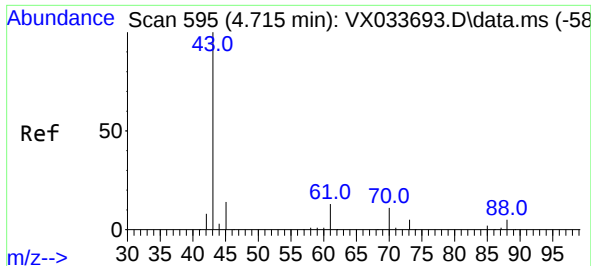
Tgt Ion:113 Resp: 81360
Ion Ratio Lower Upper
113 100
111 100.9 83.0 124.6
192 23.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.876 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 75 Resp: 11717
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.727 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033698.D

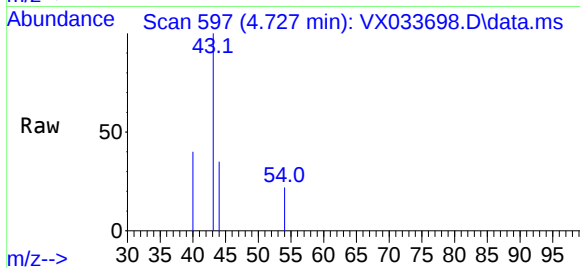
Acq: 11 Jan 2023 16:33

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBL03



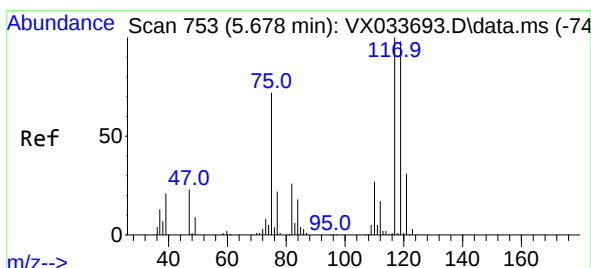
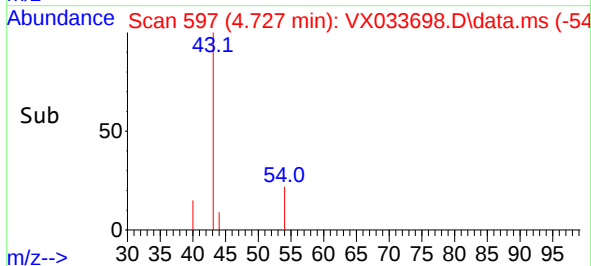
Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX033698.D

Acq: 11 Jan 2023 16:33

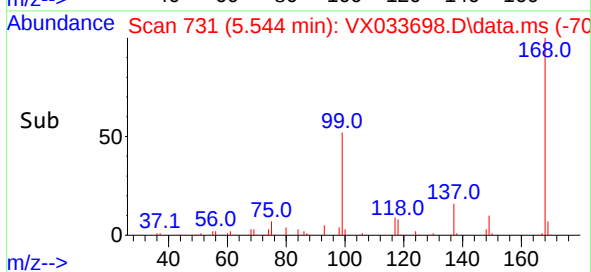
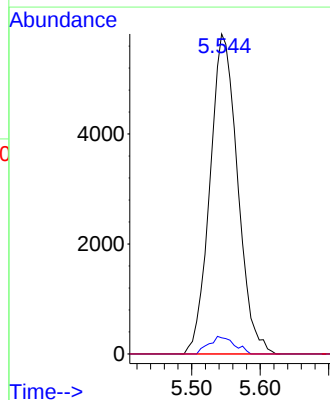
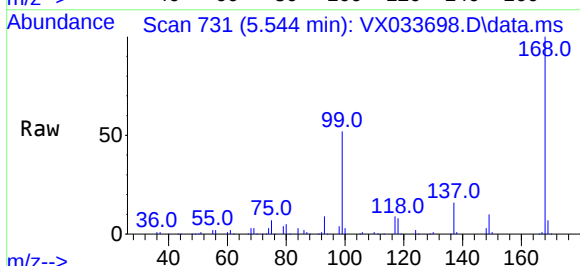
Tgt Ion: 117 Resp: 16330

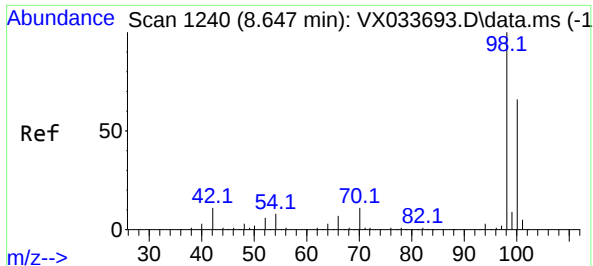
Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.4 36.6#

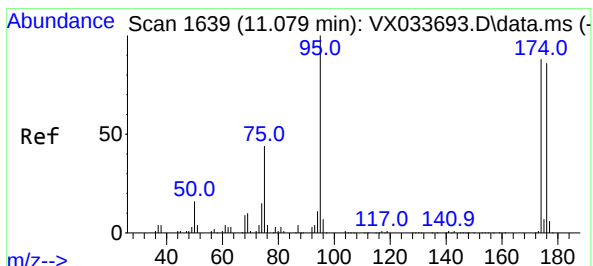
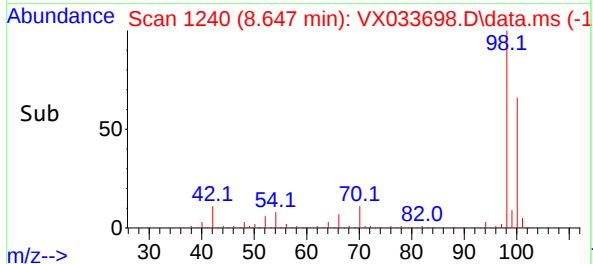
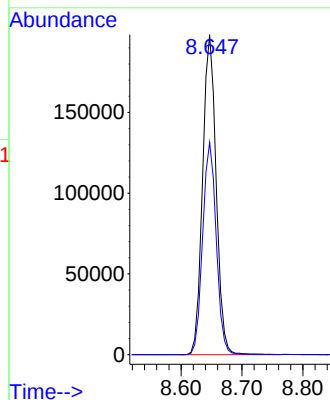
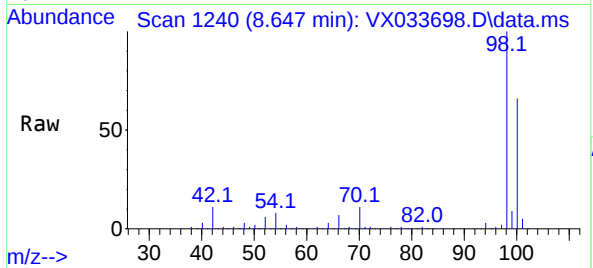




#50
Toluene-d8
Concen: 51.012 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

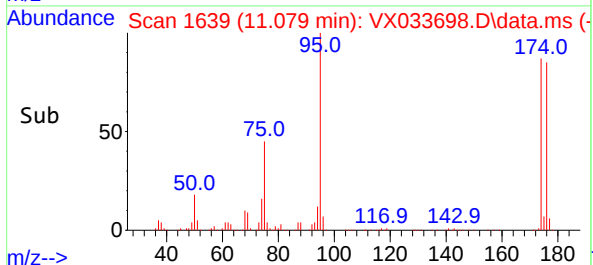
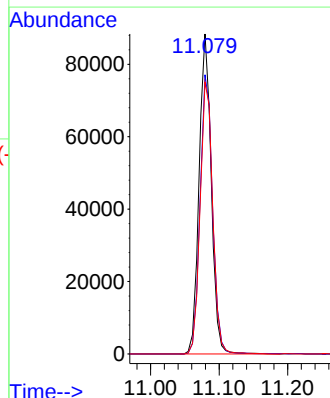
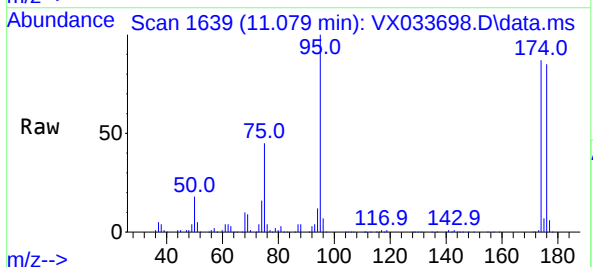
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

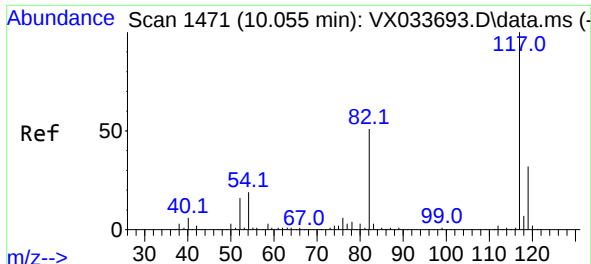
Tgt Ion: 98 Resp: 306005
Ion Ratio Lower Upper
98 100
100 66.5 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 48.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 95 Resp: 109060
Ion Ratio Lower Upper
95 100
174 89.5 0.0 184.4
176 88.2 0.0 178.8

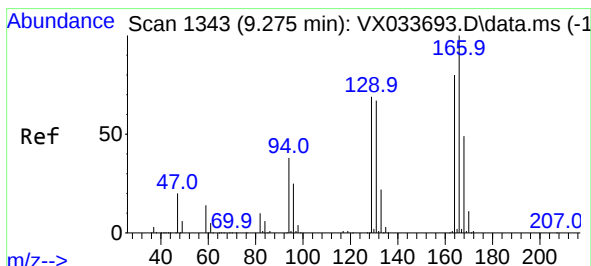
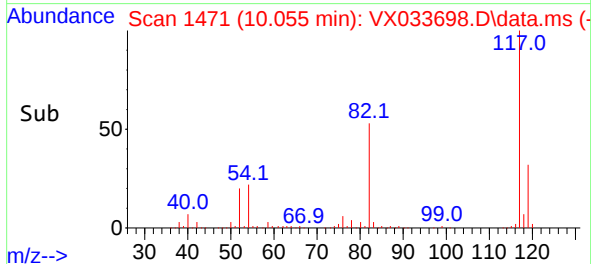
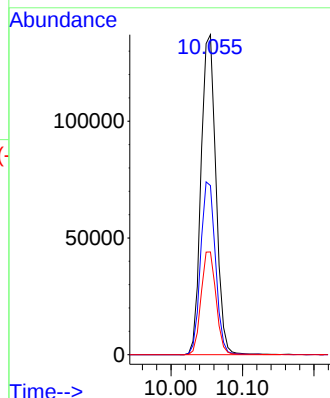
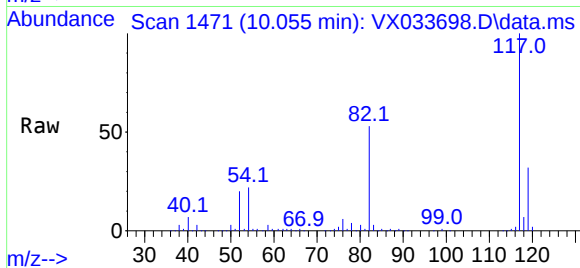




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

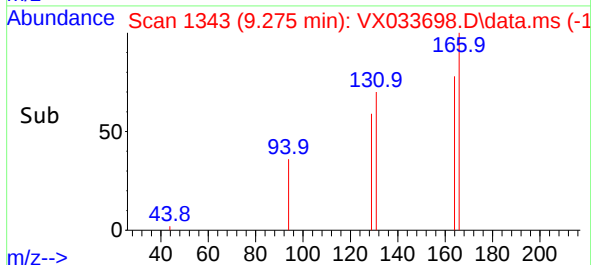
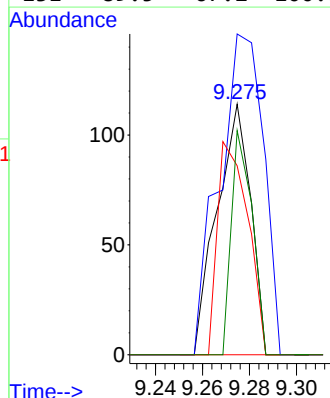
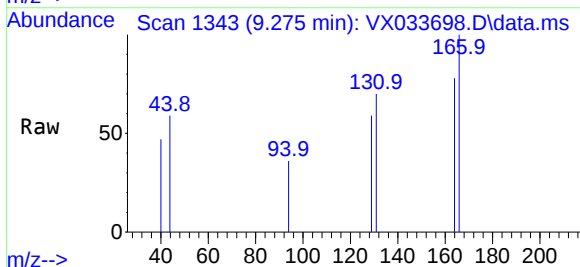
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

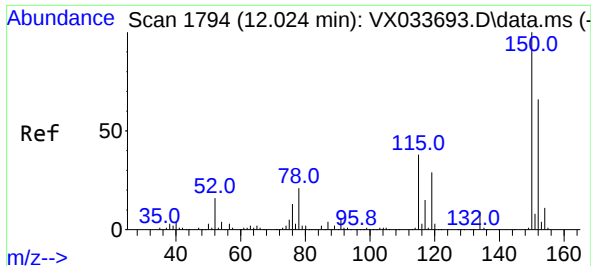
Tgt Ion:117 Resp: 198351
Ion Ratio Lower Upper
117 100
82 52.8 40.6 60.8
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion:164 Resp: 113
Ion Ratio Lower Upper
164 100
166 128.1 100.2 150.2
129 75.4 69.2 103.8
131 89.5 67.2 100.8

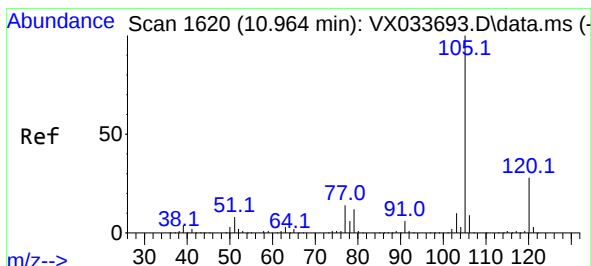
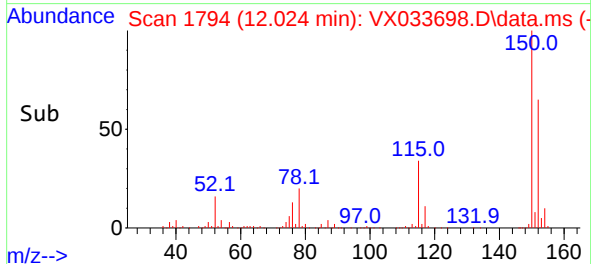
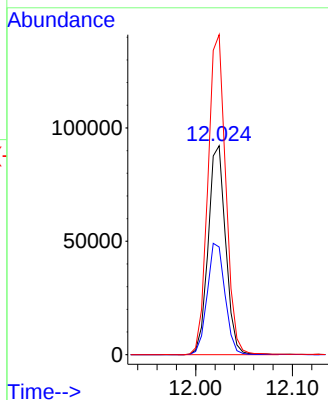
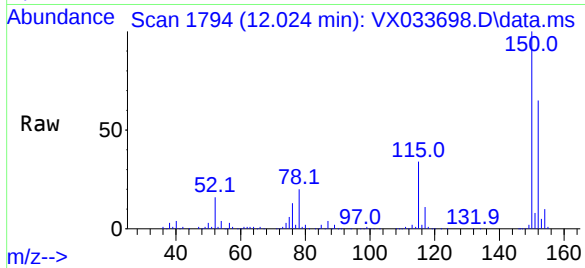




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

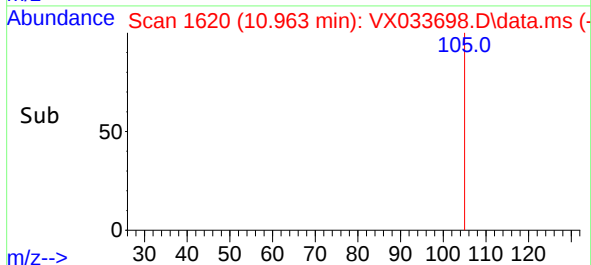
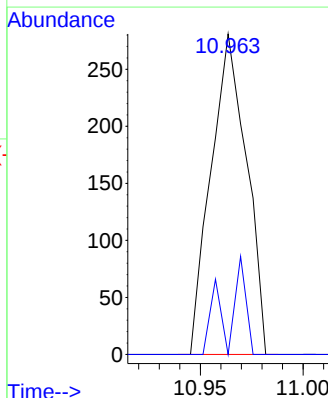
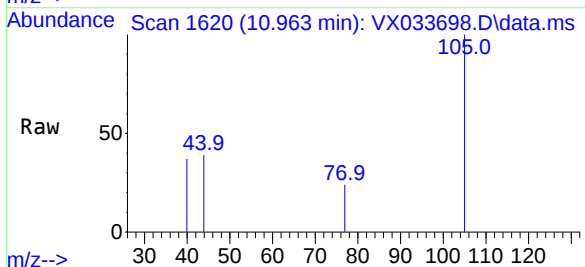
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

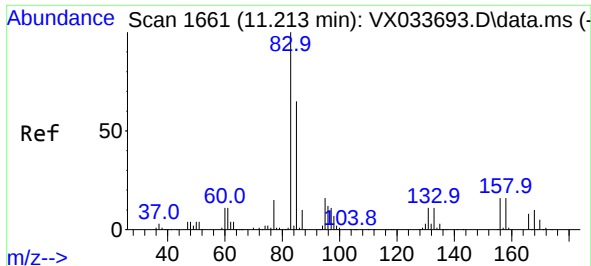
Tgt Ion:152 Resp: 115876
Ion Ratio Lower Upper
152 100
115 54.4 38.7 116.1
150 156.7 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion:105 Resp: 337
Ion Ratio Lower Upper
105 100
120 7.1 13.6 40.8#

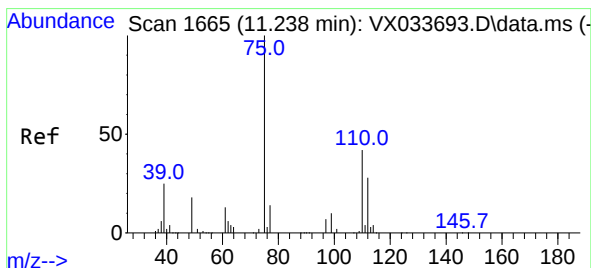
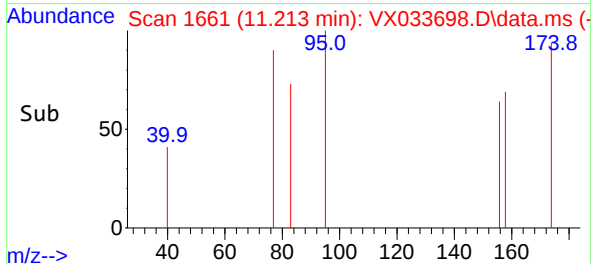
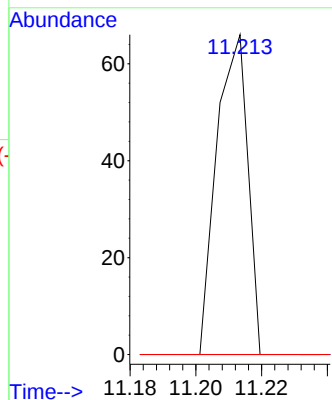
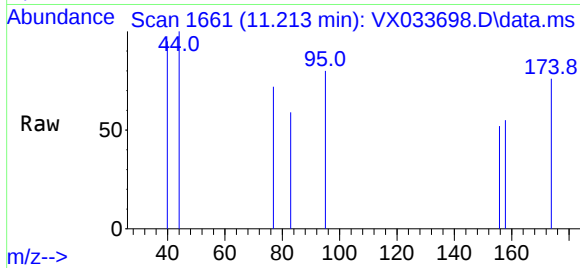




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.213 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

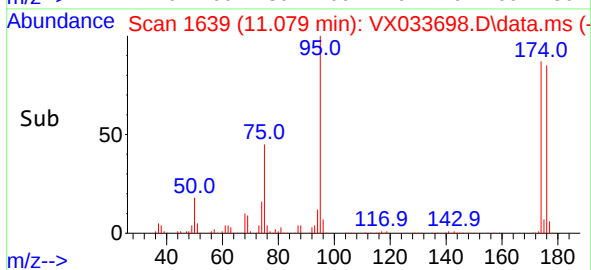
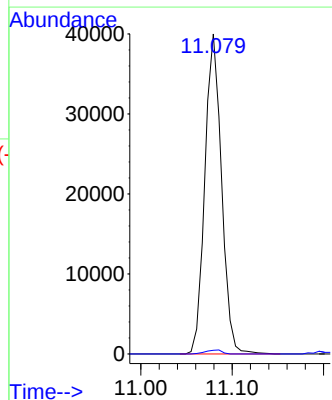
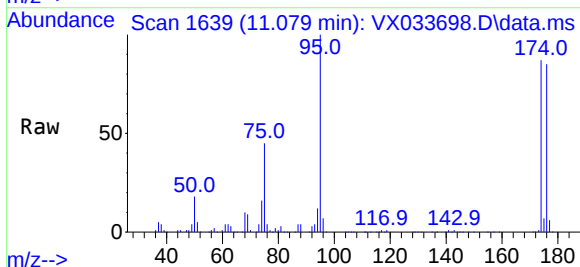
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

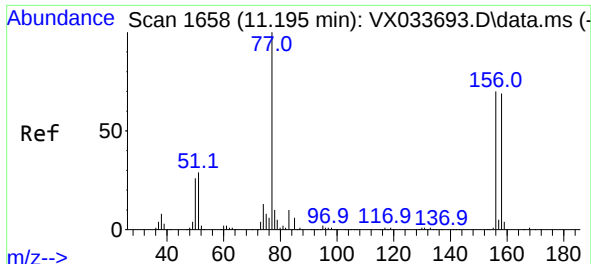
Tgt Ion: 83 Resp: 43
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 23.806 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 75 Resp: 50685
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#

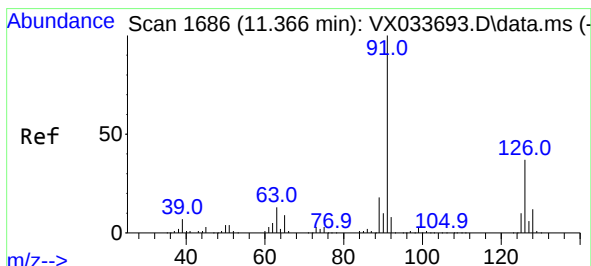
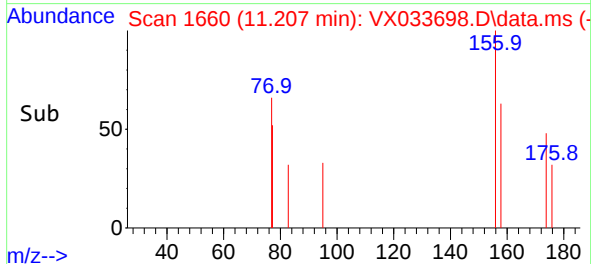
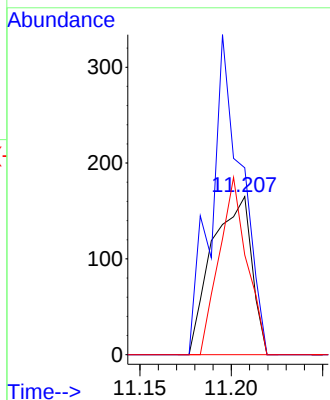
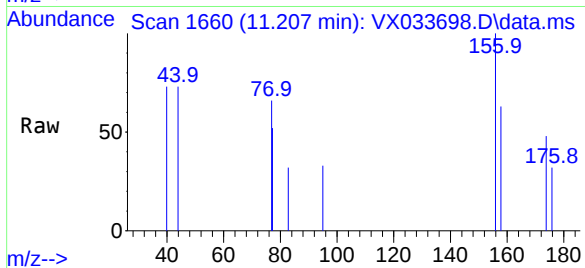




#77
Bromobenzene
Concen: Below Cal
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

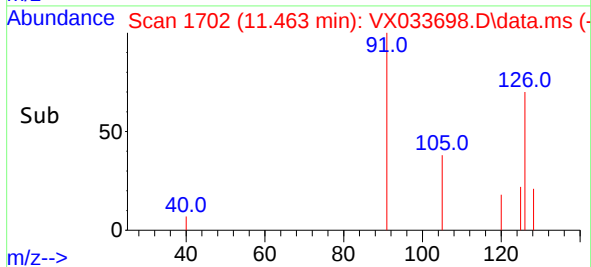
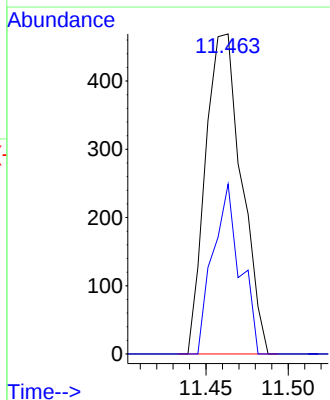
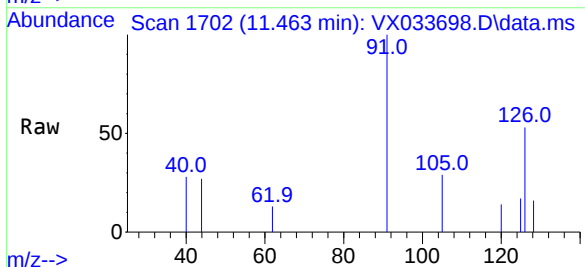
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

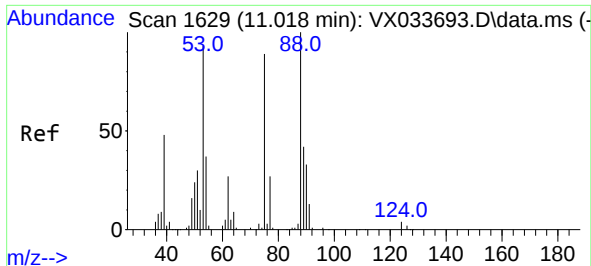
Tgt Ion:156 Resp: 248
Ion Ratio Lower Upper
156 100
77 156.5 68.1 204.3
158 79.0 48.0 144.2



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 91 Resp: 716
Ion Ratio Lower Upper
91 100
126 39.9 18.1 54.1

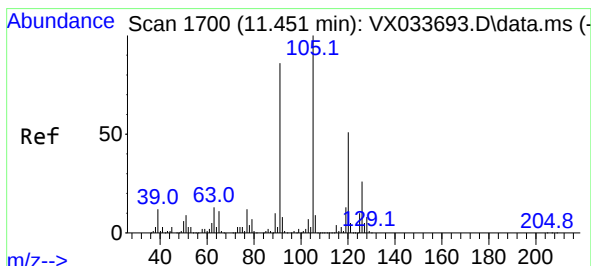
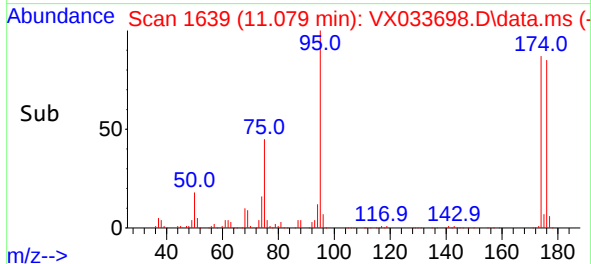
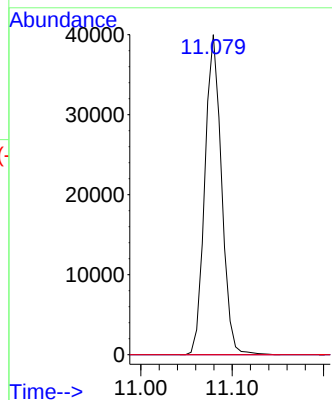
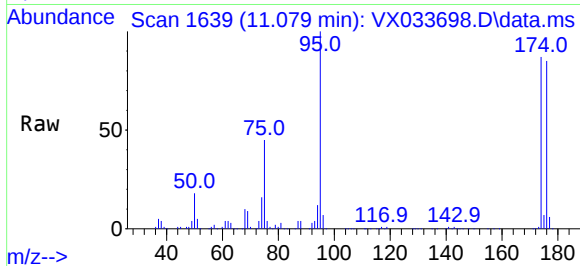




#81
trans-1,4-Dichloro-2-butene
Concen: 73.988 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

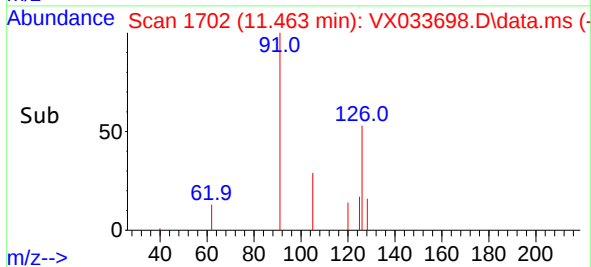
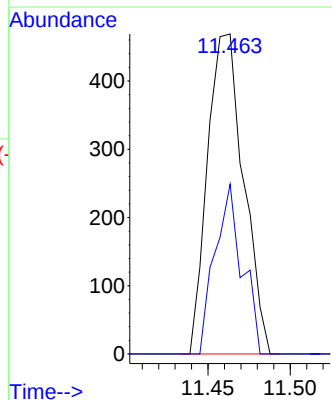
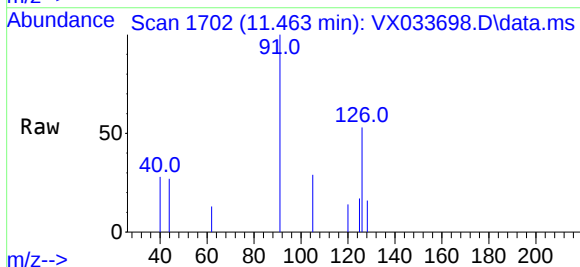
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

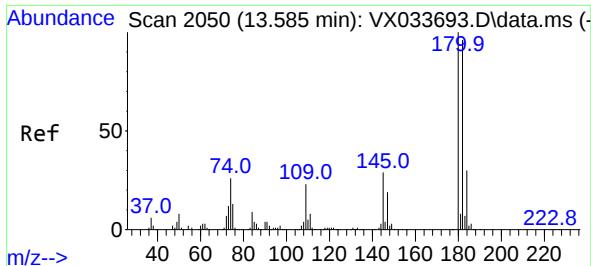
Tgt Ion: 75 Resp: 50685
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion: 91 Resp: 716
Ion Ratio Lower Upper
91 100
126 39.9 15.8 47.4

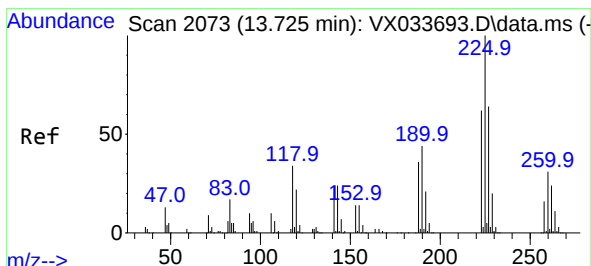
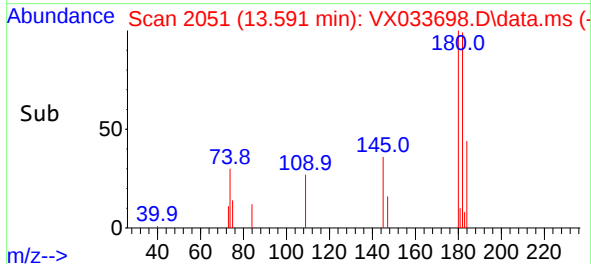
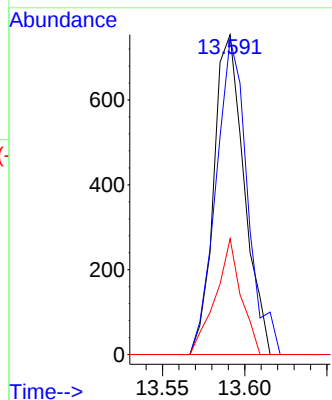
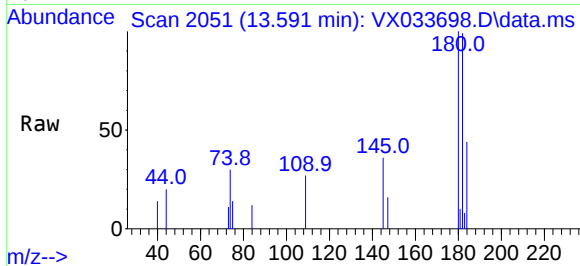




#93
1,2,4-Trichlorobenzene
Concen: 0.380 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

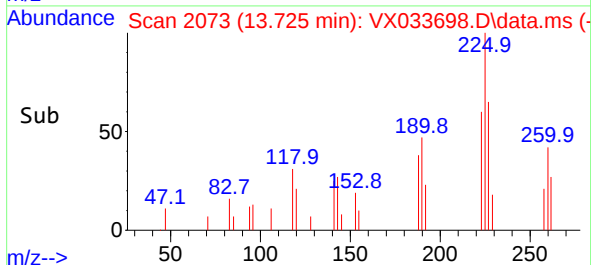
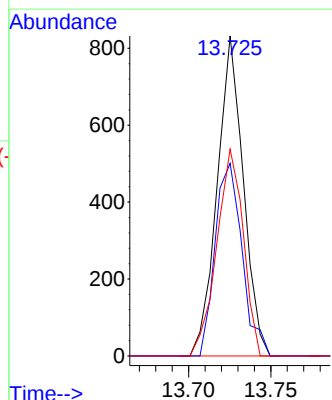
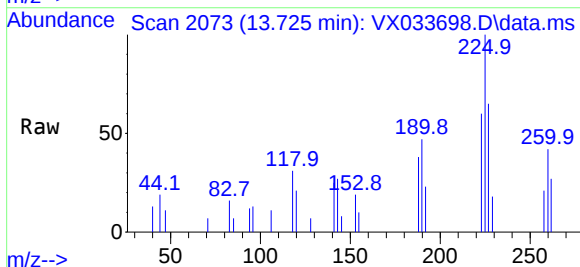
Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

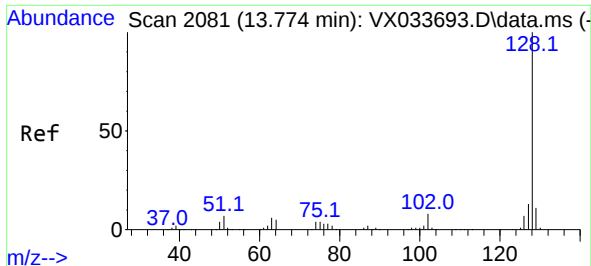
Tgt Ion:180 Resp: 968
Ion Ratio Lower Upper
180 100
182 102.0 47.9 143.6
145 30.6 14.1 42.2



#94
Hexachlorobutadiene
Concen: 0.737 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion:225 Resp: 919
Ion Ratio Lower Upper
225 100
223 62.1 31.3 93.9
227 65.5 32.3 96.9

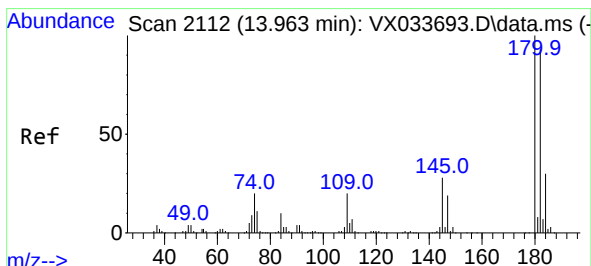
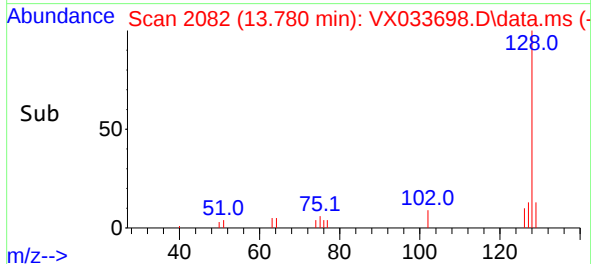
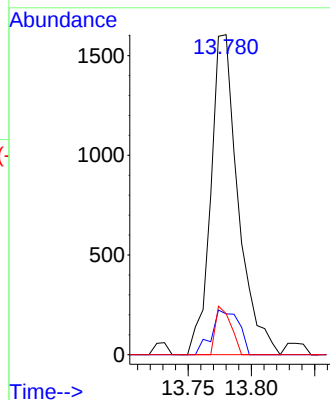
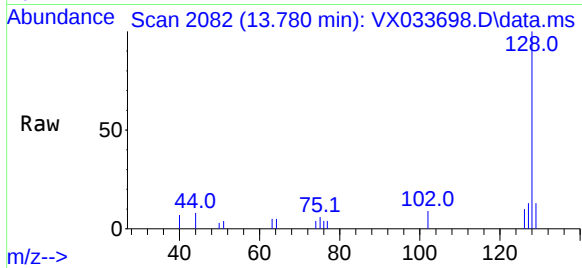




#95
Naphthalene
Concen: 0.330 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBL03

Tgt Ion:128 Resp: 2417
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 8.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.382 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033698.D
Acq: 11 Jan 2023 16:33

Tgt Ion:180 Resp: 973
Ion Ratio Lower Upper
180 100
182 98.0 47.6 142.9
145 31.0 15.1 45.3

