

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035697.D
 Acq On : 16 May 2023 17:36
 Operator : JC/MD
 Sample : 02615-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

Quant Time: May 17 05:33:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

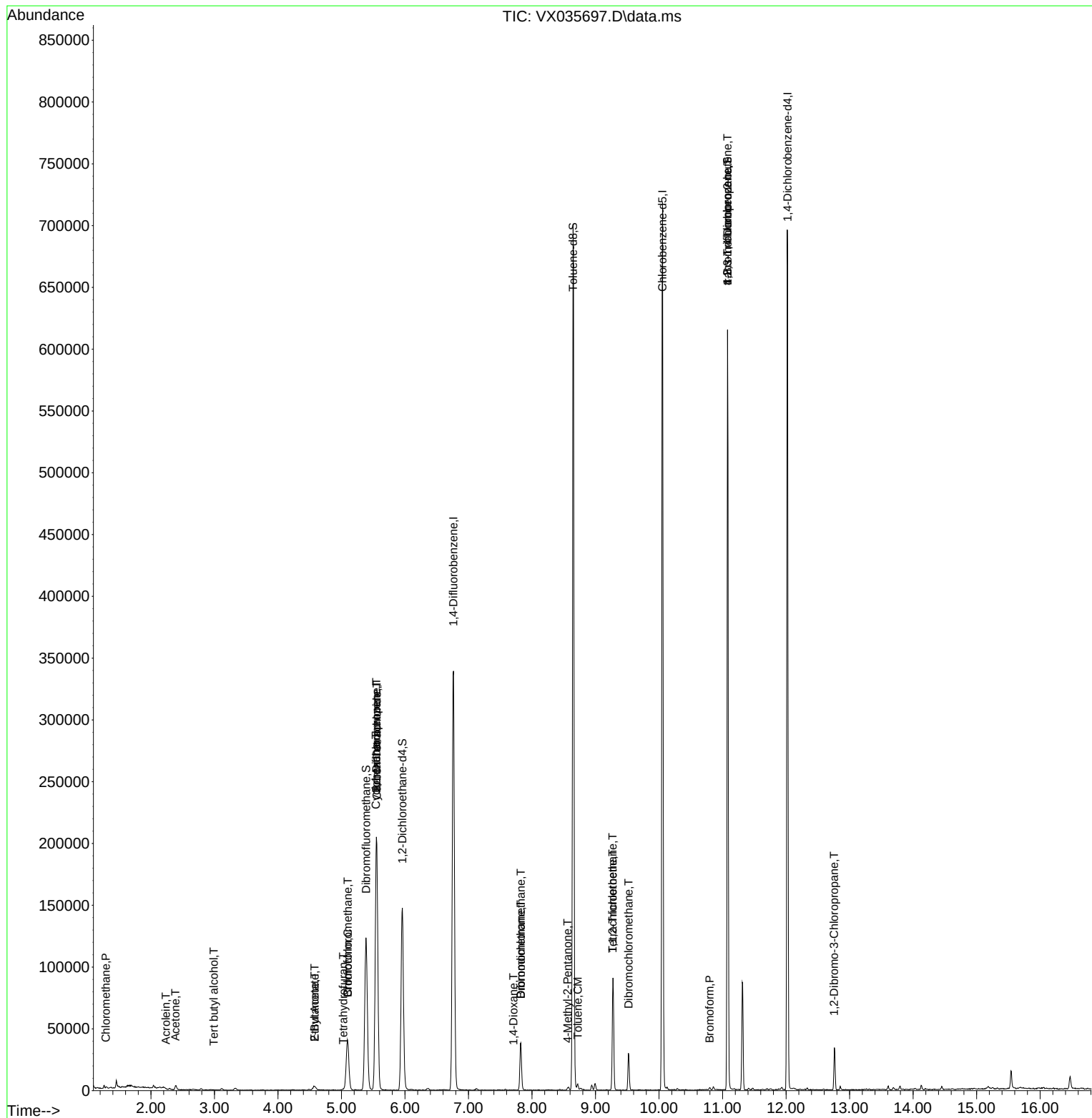
Internal Standards						
1) Pentafluorobenzene	5.550	168	173610	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	325420	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149843	49.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.940%		
35) Dibromofluoromethane	5.385	113	106036	48.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	8.647	98	391307	48.265	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	161333	49.422	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	797	0.290	ug/l	99
11) Tert butyl alcohol	2.989	59	290	0.543	ug/l	# 73
13) Acrolein	2.233	56	182	0.287	ug/l	# 28
16) Acetone	2.386	43	4697	3.608	ug/l	91
25) 2-Butanone	4.574	43	1207	0.670	ug/l	# 51
28) Bromochloromethane	5.099	49	4428	2.270	ug/l	# 15
29) Tetrahydrofuran	5.025	42	629	0.555	ug/l	# 68
30) Chloroform	5.099	83	47926	10.783	ug/l	94
31) Cyclohexane	5.544	56	4796	1.253	ug/l	# 27
36) 1,1-Dichloropropene	5.550	75	17174	4.958	ug/l	# 51
37) Ethyl Acetate	4.574	43	1207	0.334	ug/l	# 83
38) Carbon Tetrachloride	5.556	117	20655	6.294	ug/l	# 15
46) Dibromomethane	7.824	93	708	0.403	ug/l	# 5
47) Bromodichloromethane	7.824	83	23637	6.961	ug/l	96
49) 1,4-Dioxane	7.708	88	113	3.638	ug/l	# 87
51) 4-Methyl-2-Pentanone	8.561	43	2659	0.733	ug/l	# 48
52) Toluene	8.720	92	1583	0.259	ug/l	97
55) 1,1,2-Trichloroethane	9.269	97	1192	0.496	ug/l	# 15
60) Dibromochloromethane	9.519	129	8043	3.512	ug/l	98
64) Tetrachloroethene	9.269	164	779	0.389	ug/l	# 74
71) Bromoform	10.799	173	658	0.436	ug/l	# 95
76) 1,2,3-Trichloropropane	11.079	75	89444	27.755	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	89444	89.450	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	1033	1.288	ug/l	# 12

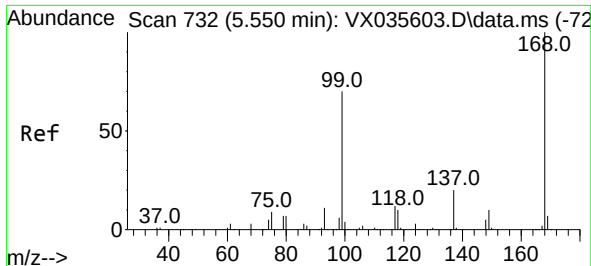
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

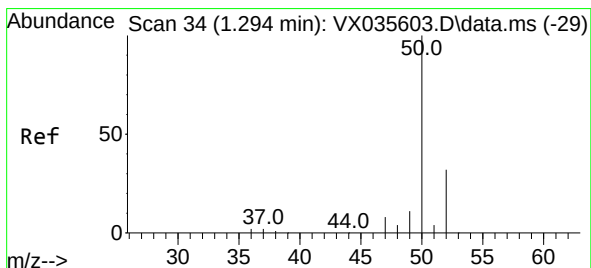
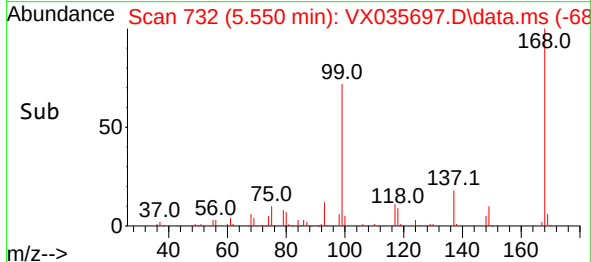
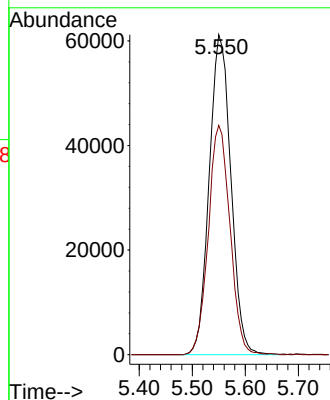
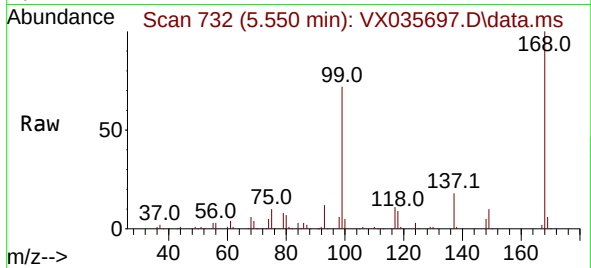




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

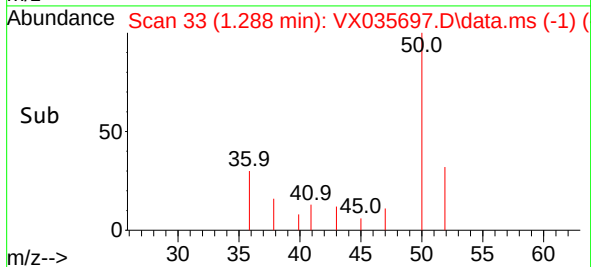
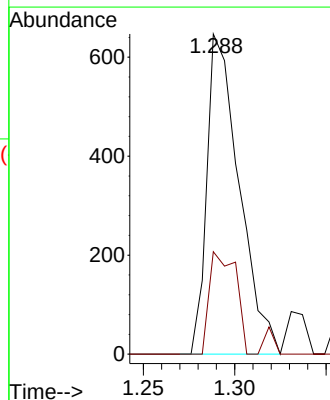
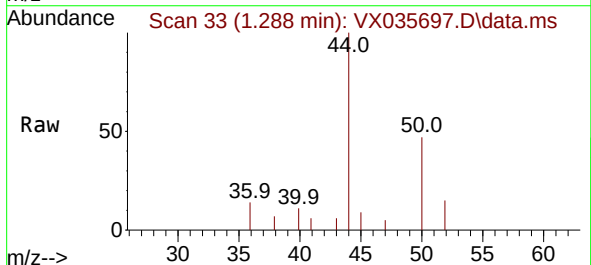
Instrument :
MSVOA_X
ClientSampleId :
002-2

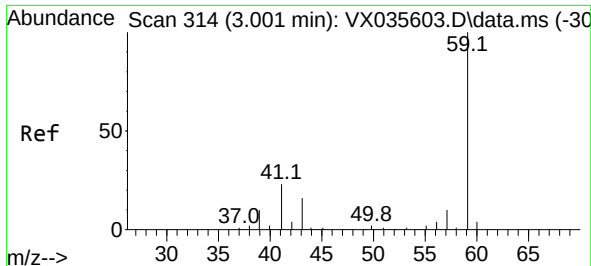
Tgt Ion:168 Resp: 173610
Ion Ratio Lower Upper
168 100
99 71.7 45.7 68.5#



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.543 ug/l

RT: 2.989 min Scan# 314

Delta R.T. -0.012 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

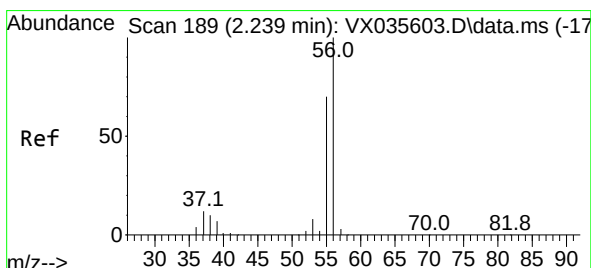
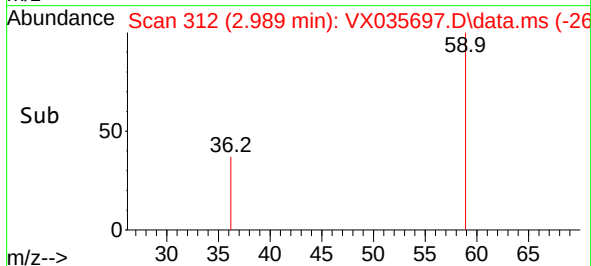
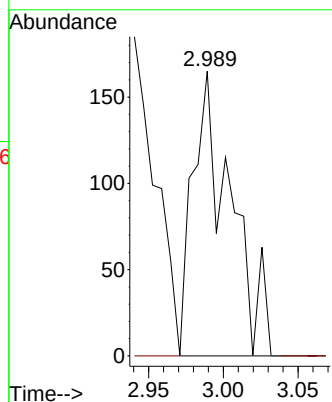
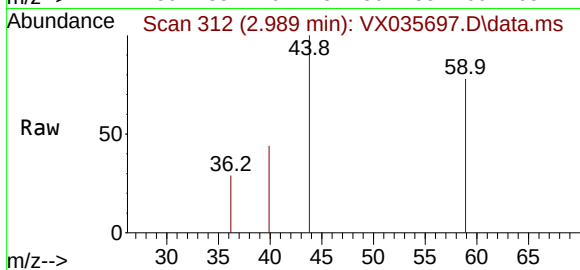
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Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.287 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX035697.D

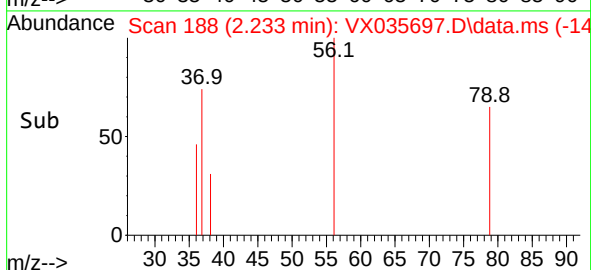
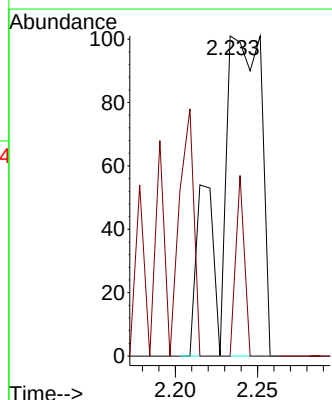
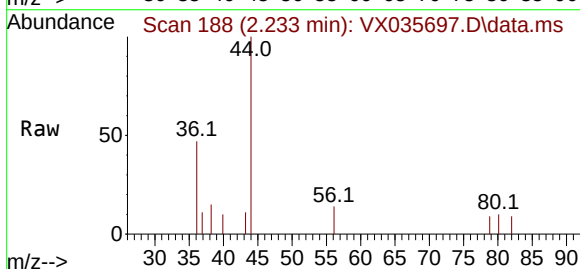
Acq: 16 May 2023 17:36

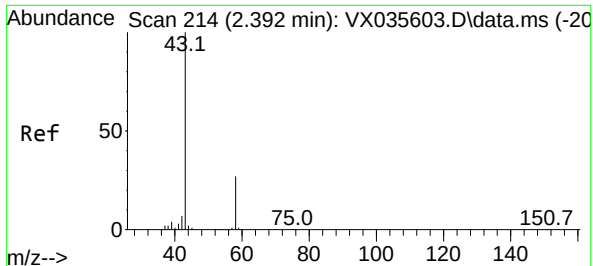
Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 11.5 56.6 85.0#

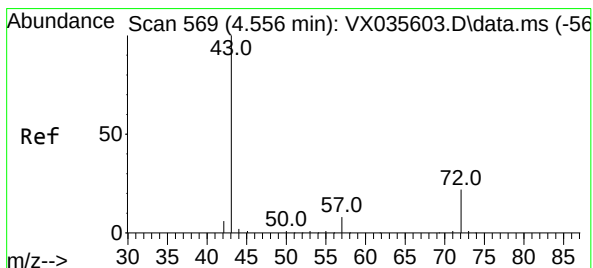
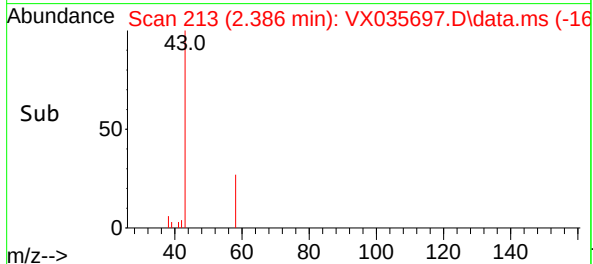
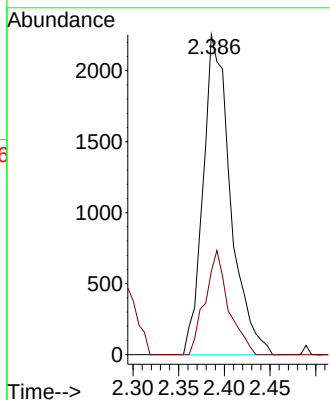
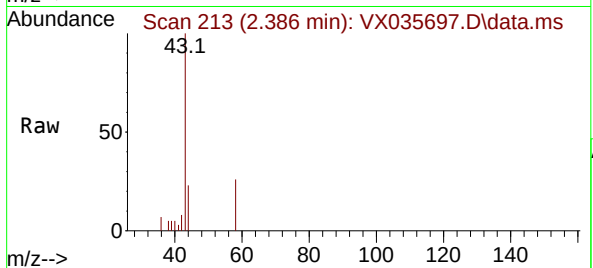




#16
Acetone
Concen: 3.608 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

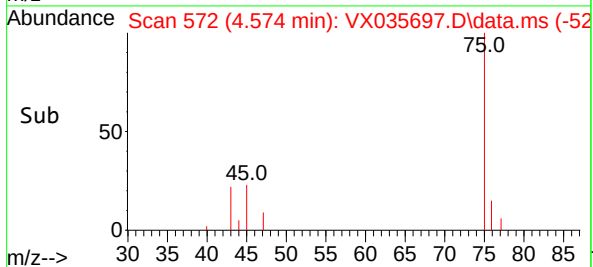
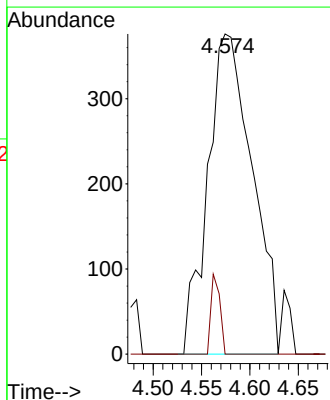
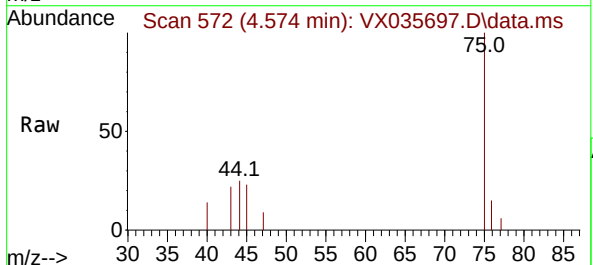
Instrument :
MSVOA_X
ClientSampleId :
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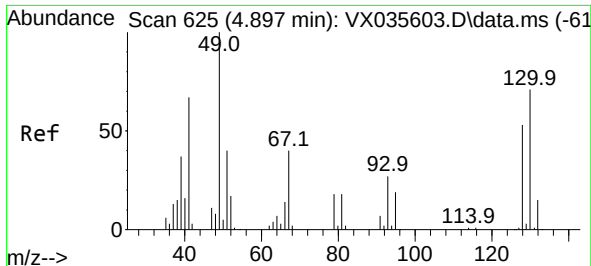
Tgt Ion: 43 Resp: 4697
Ion Ratio Lower Upper
43 100
58 26.0 24.7 37.1



#25
2-Butanone
Concen: 0.670 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#28

Bromochloromethane

Concen: 2.270 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.202 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

002-2

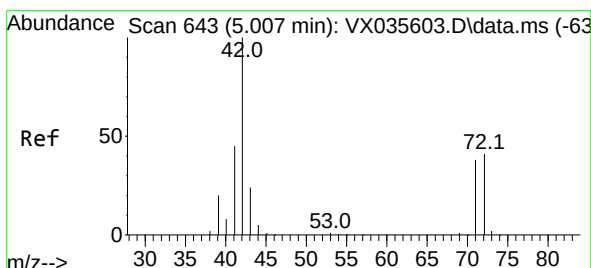
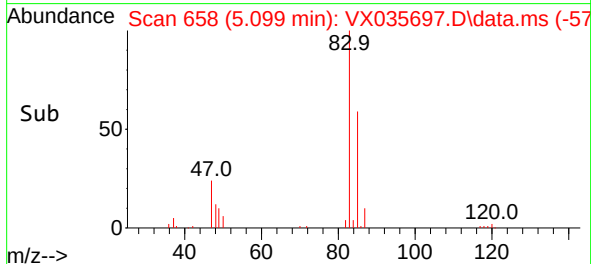
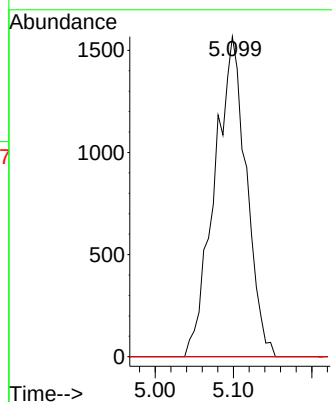
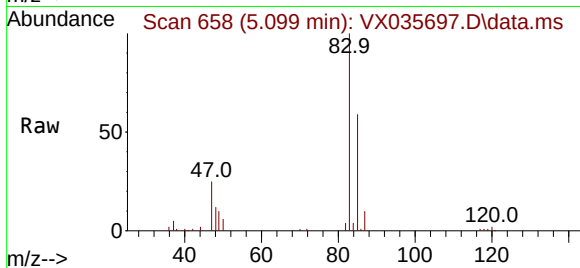
Tgt Ion: 49 Resp: 4428

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#



#29

Tetrahydrofuran

Concen: 0.555 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

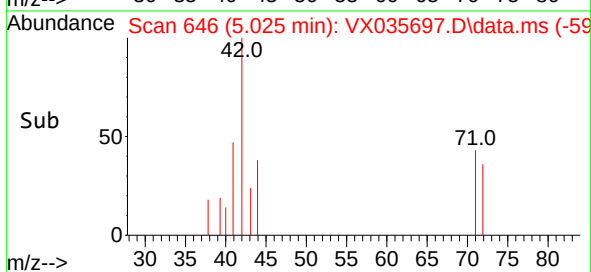
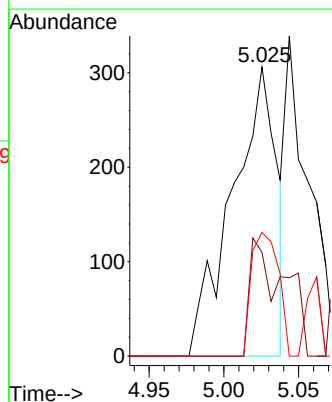
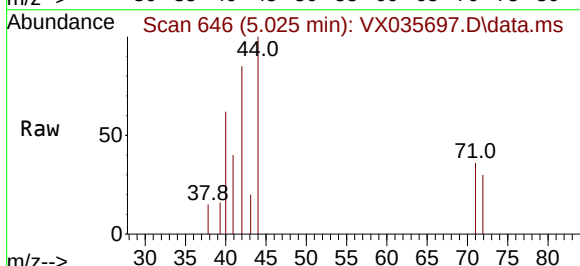
Tgt Ion: 42 Resp: 629

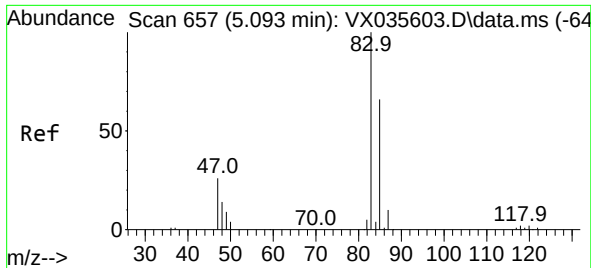
Ion Ratio Lower Upper

42 100

72 17.0 34.5 51.7#

71 26.2 32.1 48.1#

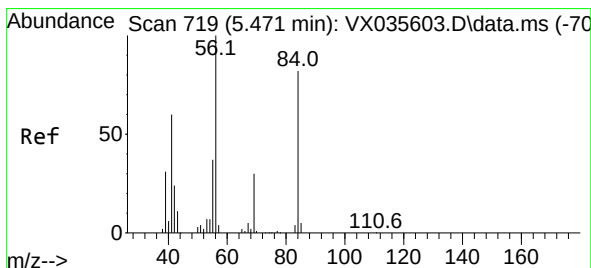
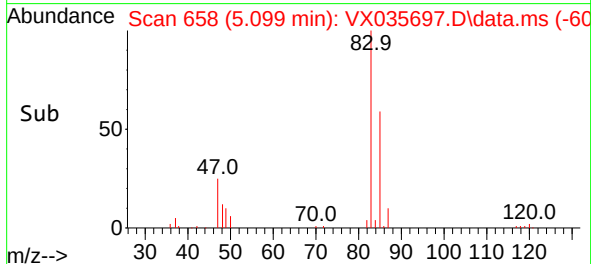
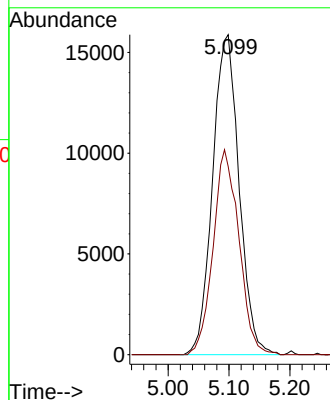
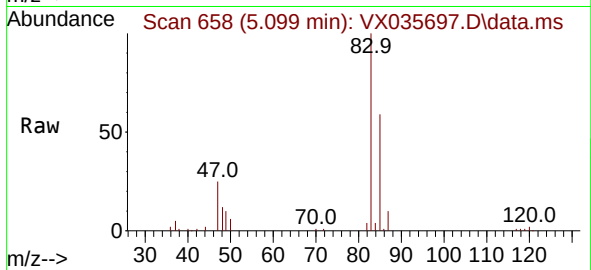




#30
Chloroform
Concen: 10.783 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

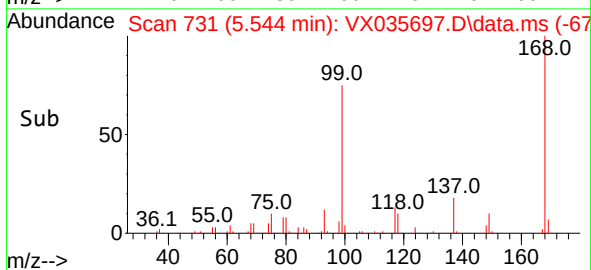
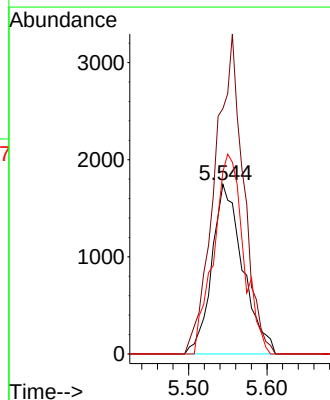
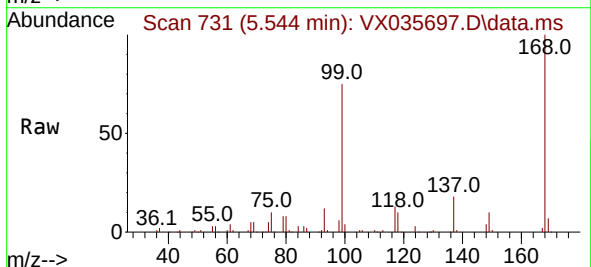
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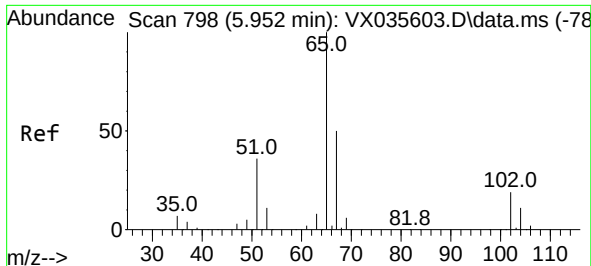
Tgt Ion: 83 Resp: 47926
Ion Ratio Lower Upper
83 100
85 58.8 50.6 76.0



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 144.7 23.7 35.5#
84 107.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 49.475 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

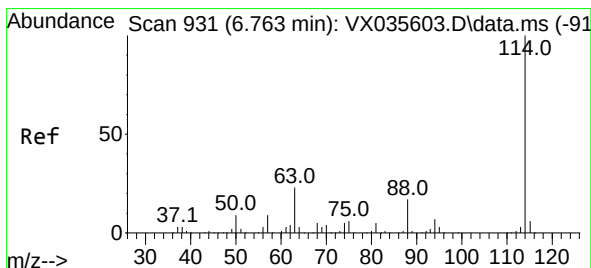
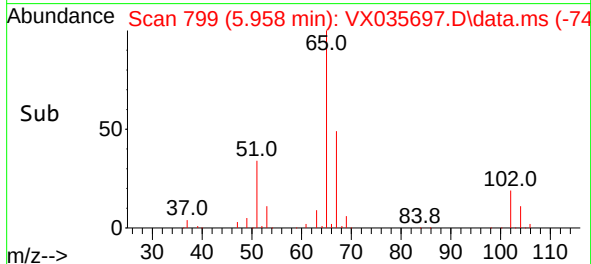
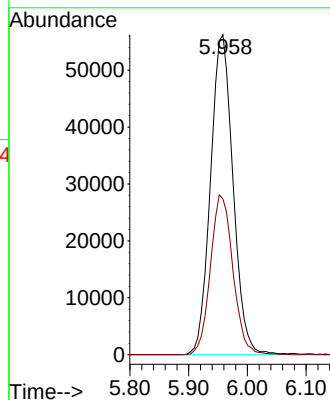
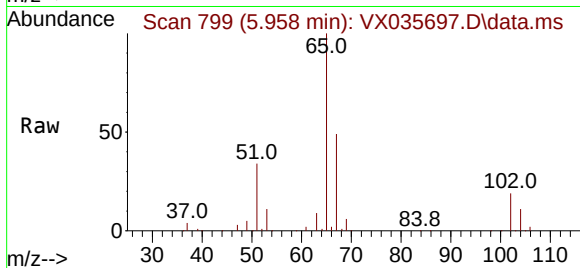
002-2

Tgt Ion: 65 Resp: 149843

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

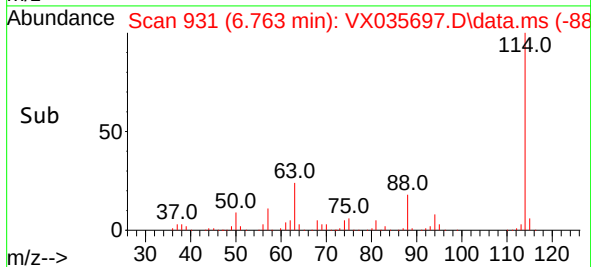
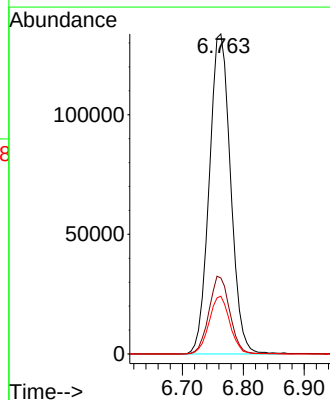
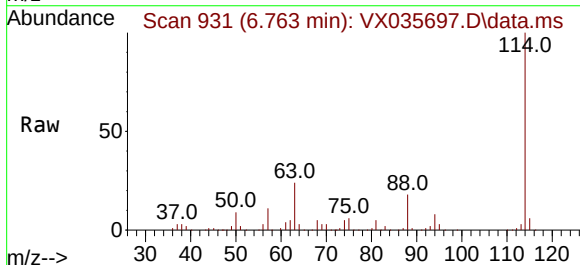
Tgt Ion: 114 Resp: 325420

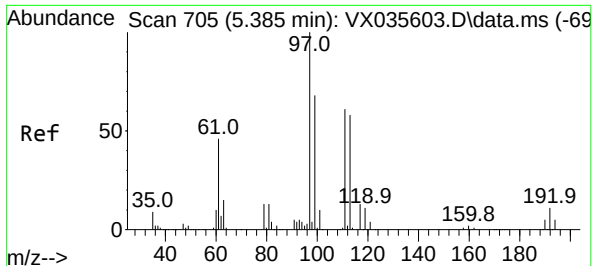
Ion Ratio Lower Upper

114 100

63 23.8 0.0 42.2

88 18.1 0.0 33.2

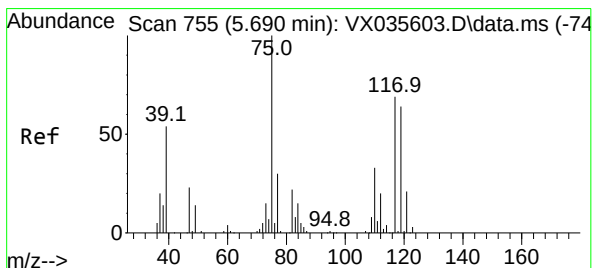
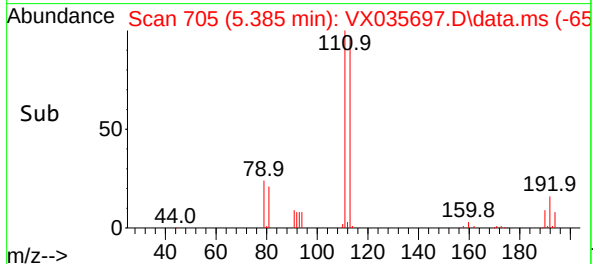
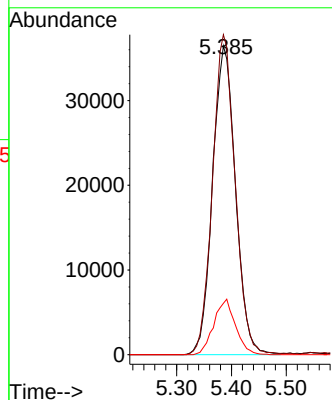
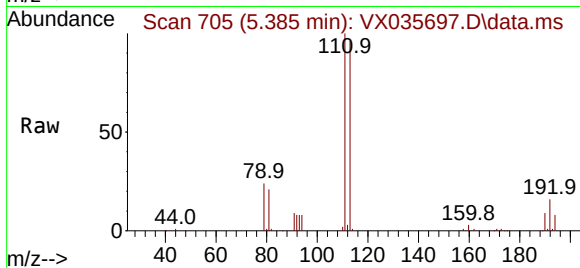




#35
Dibromofluoromethane
Concen: 48.316 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

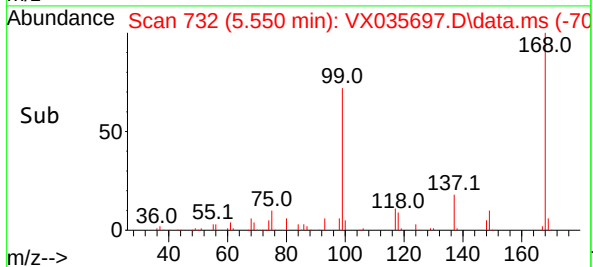
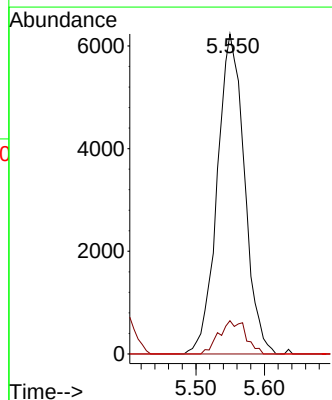
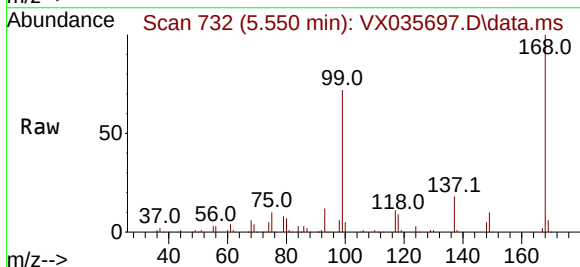
Instrument :
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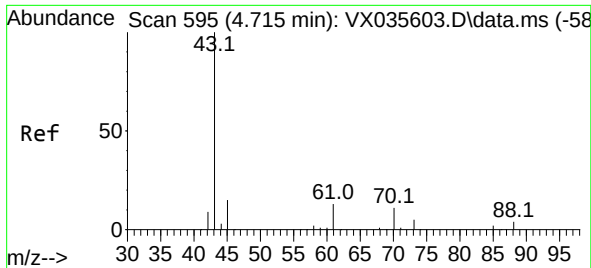
Tgt Ion:113 Resp: 106036
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 17.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 75 Resp: 17174
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.334 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

002-2

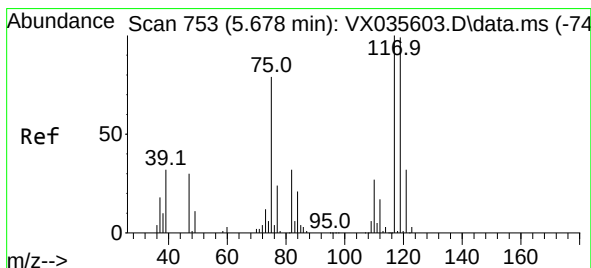
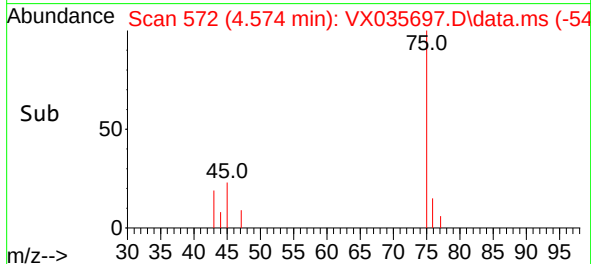
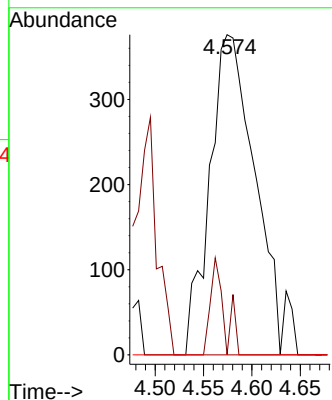
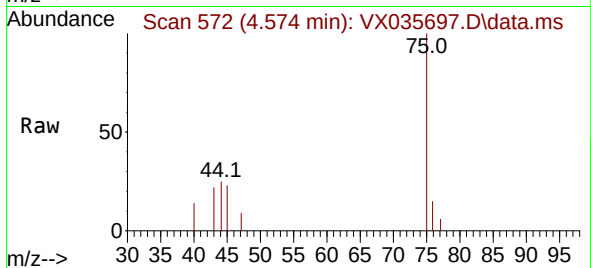
Tgt Ion: 43 Resp: 1207

Ion Ratio Lower Upper

43 100

61 9.5 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.294 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

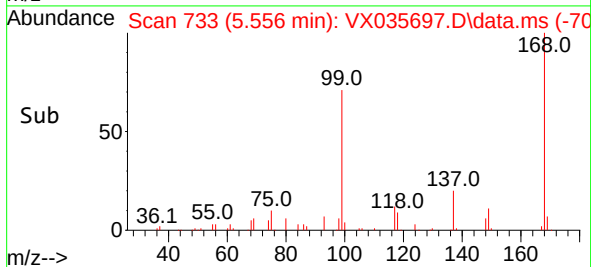
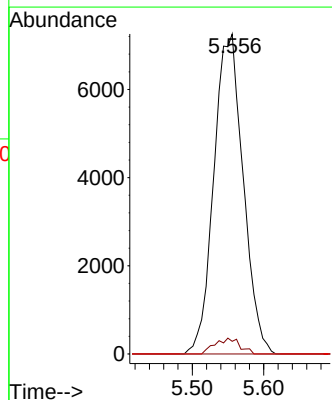
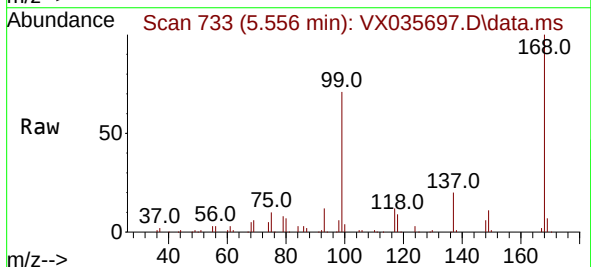
Tgt Ion: 117 Resp: 20655

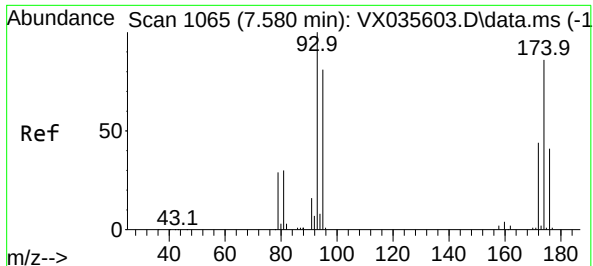
Ion Ratio Lower Upper

117 100

119 4.0 76.6 114.8#

121 0.0 23.8 35.6#

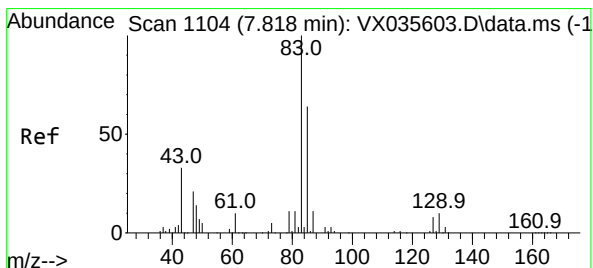
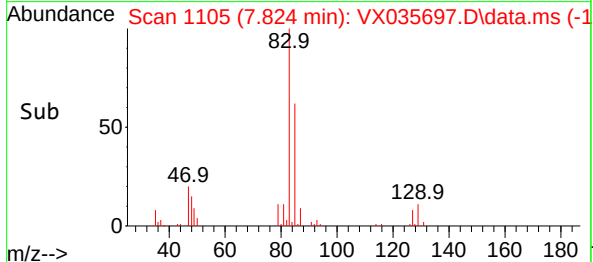
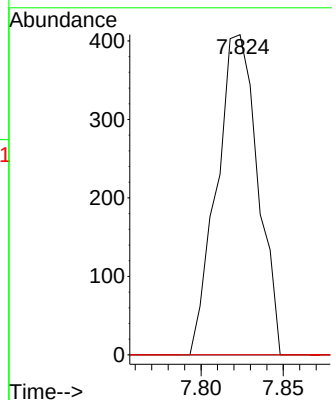
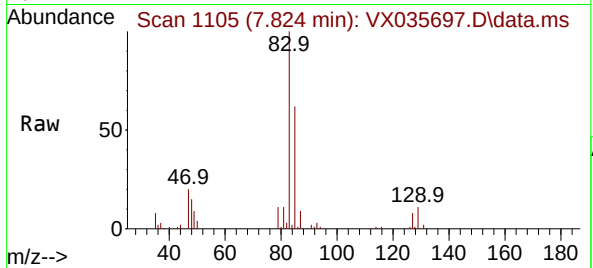




#46
Dibromomethane
Concen: 0.403 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.244 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

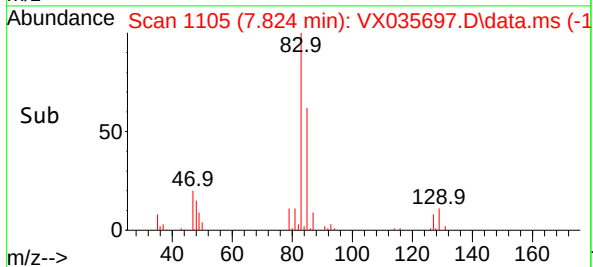
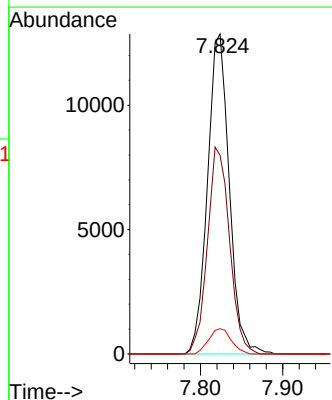
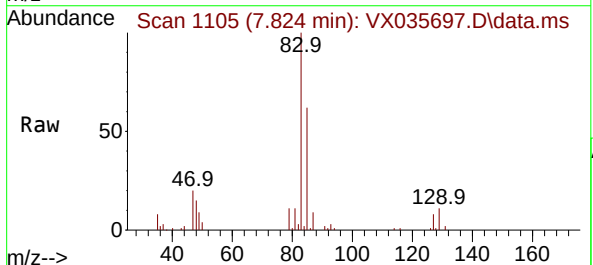
Instrument :
MSVOA_X
ClientSampleId :
002-2

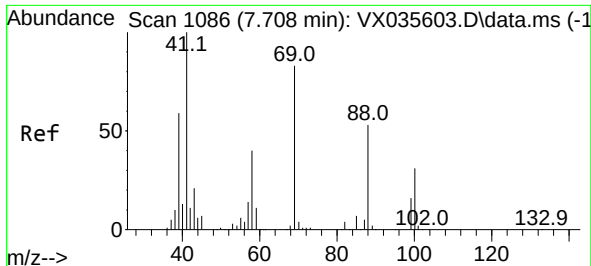
Tgt Ion: 93 Resp: 708
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 75.4 113.0#



#47
Bromodichloromethane
Concen: 6.961 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 83 Resp: 23637
Ion Ratio Lower Upper
83 100
85 62.1 52.2 78.4
127 7.9 6.6 9.8





#49

1,4-Dioxane

Concen: 3.638 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. -0.000 min

Lab File: VX035697.D

Acq: 16 May 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

002-2

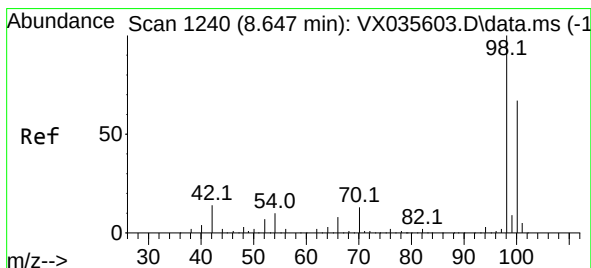
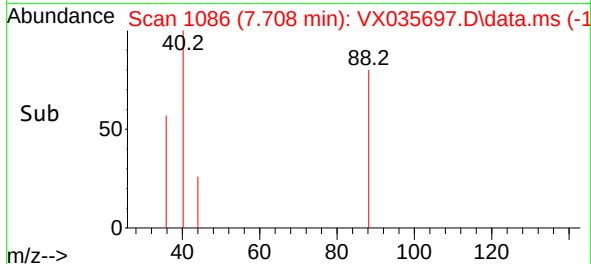
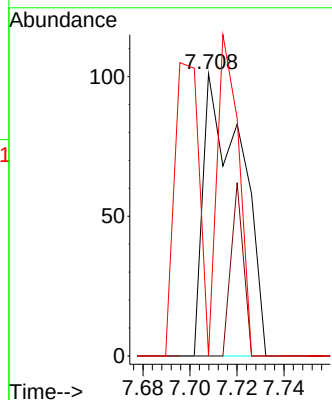
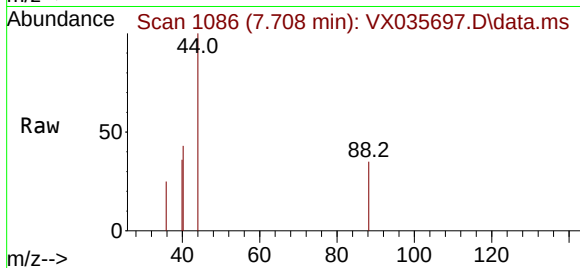
Tgt Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

43 20.4 27.7 41.5#

58 64.6 56.8 85.2



#50

Toluene-d8

Concen: 48.265 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035697.D

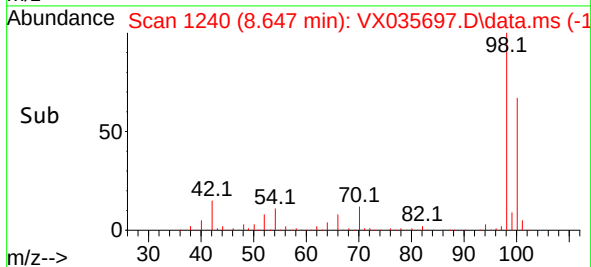
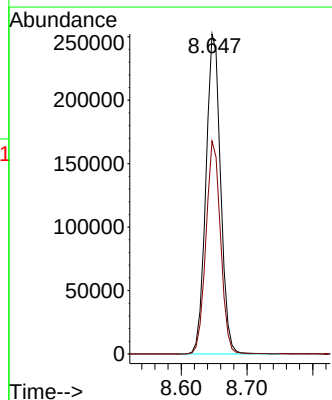
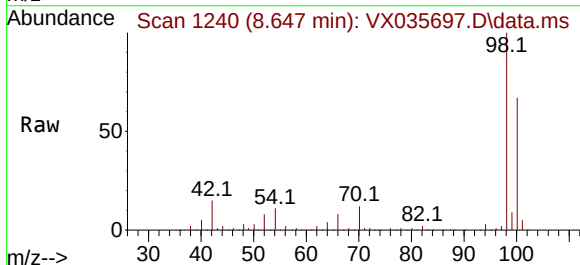
Acq: 16 May 2023 17:36

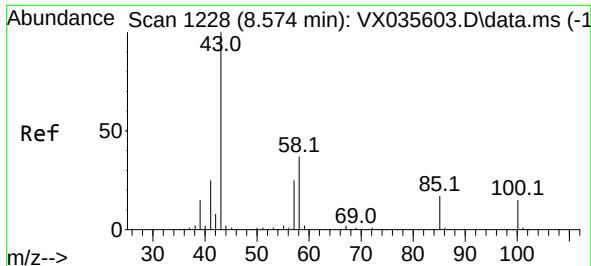
Tgt Ion: 98 Resp: 391307

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7

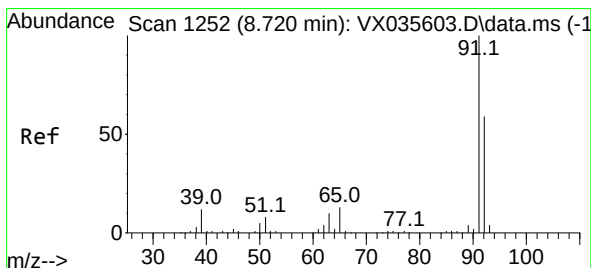
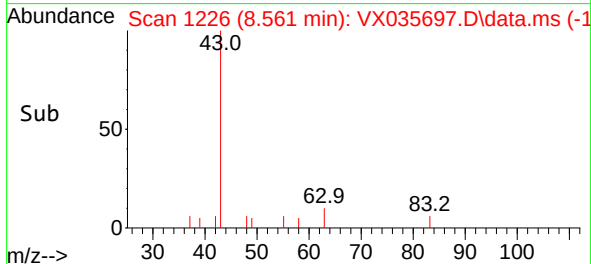
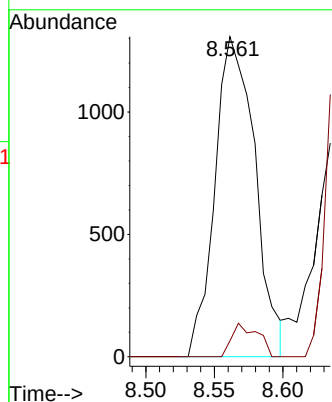
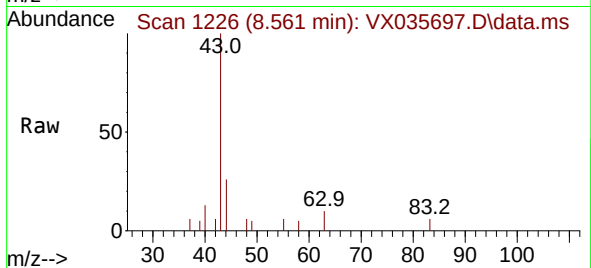




#51
4-Methyl-2-Pentanone
Concen: 0.733 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.013 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

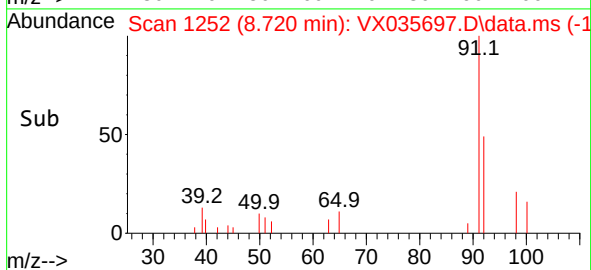
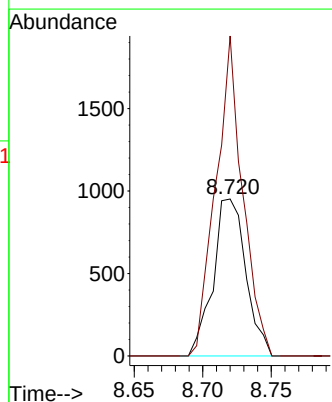
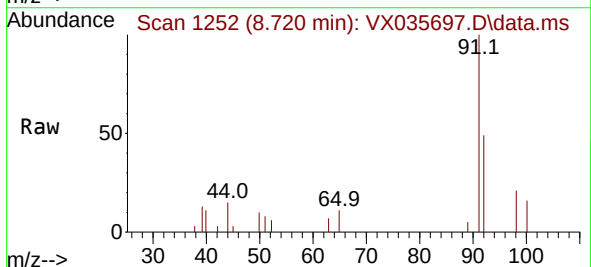
Instrument :
MSVOA_X
ClientSampleId :
002-2

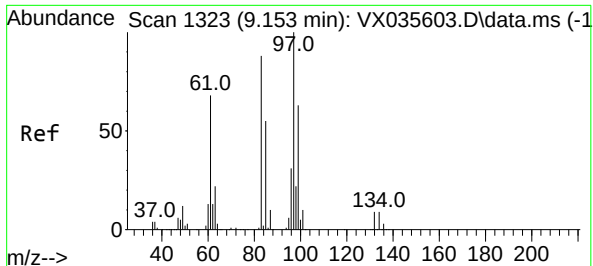
Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 6.7 30.6 46.0#



#52
Toluene
Concen: 0.259 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion: 92 Resp: 1583
Ion Ratio Lower Upper
92 100
91 167.5 136.8 205.2

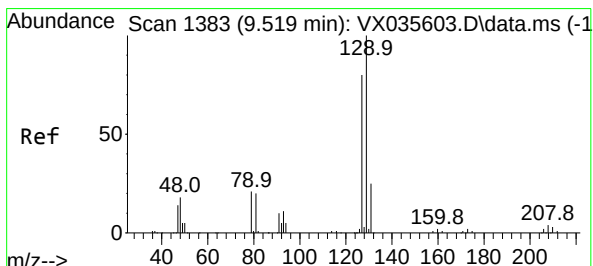
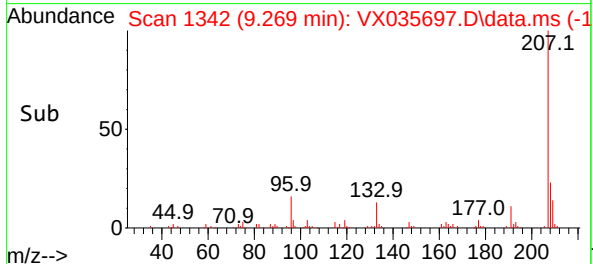
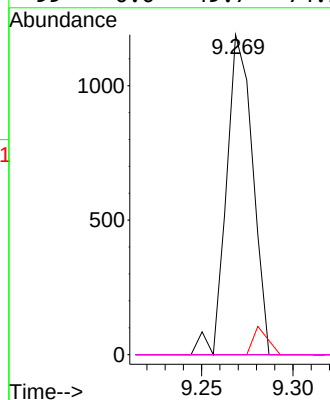
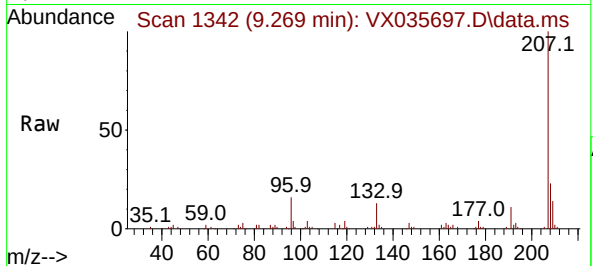




#55
 1,1,2-Trichloroethane
 Concen: 0.496 ug/l
 RT: 9.269 min Scan# 1192
 Delta R.T. 0.116 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

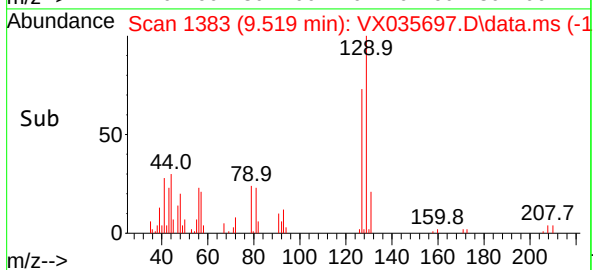
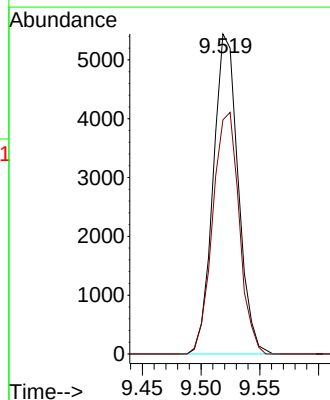
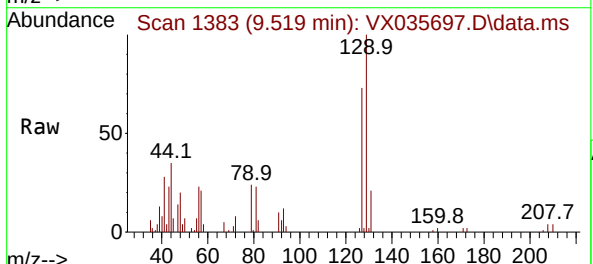
Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

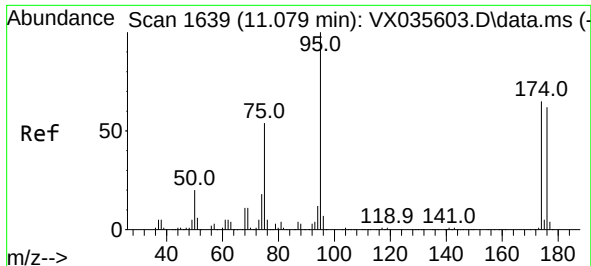
Tgt Ion: 97	Resp:	1192
Ion	Ratio	Lower Upper
97	100	
83	0.0	69.7 104.5#
85	0.0	43.7 65.5#
99	0.0	49.7 74.5#



#60
 Dibromochloromethane
 Concen: 3.512 ug/l
 RT: 9.519 min Scan# 1383
 Delta R.T. -0.000 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

Tgt Ion: 129	Resp:	8043
Ion	Ratio	Lower Upper
129	100	
127	80.1	39.0 117.0

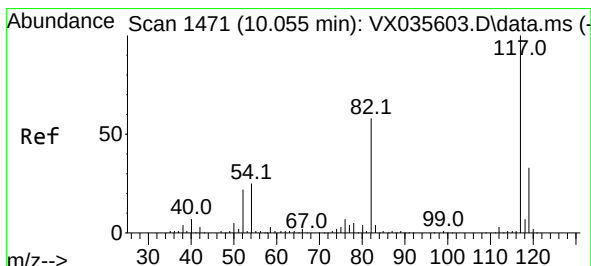
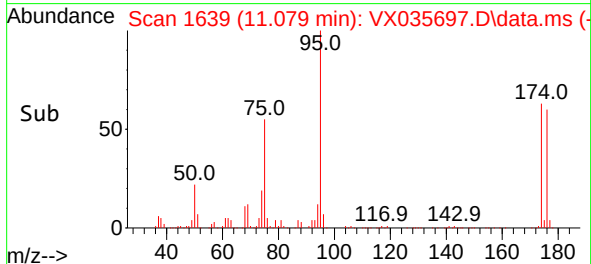
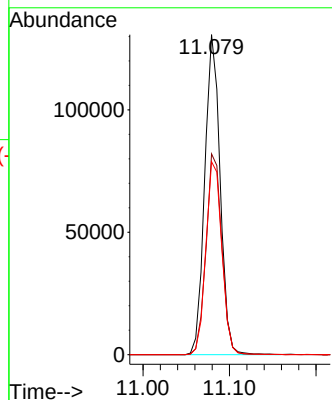
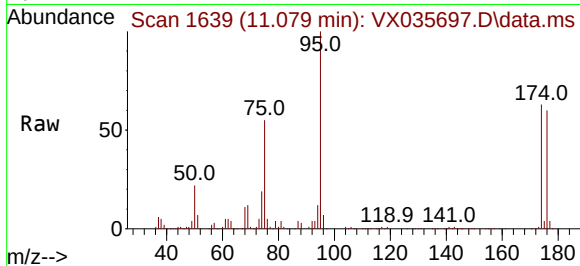




#62
4-Bromofluorobenzene
Concen: 49.422 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

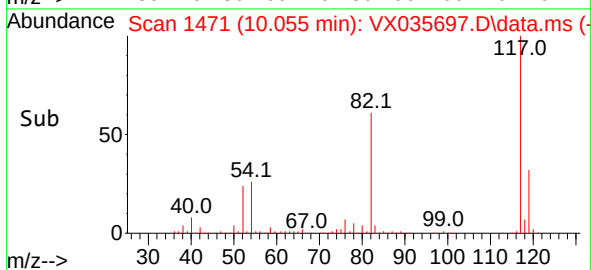
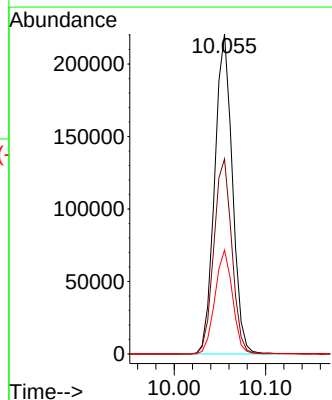
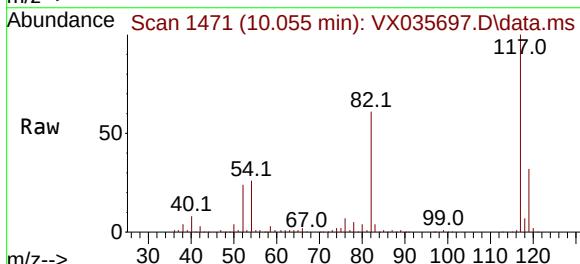
Instrument :
MSVOA_X
ClientSampleId :
002-2

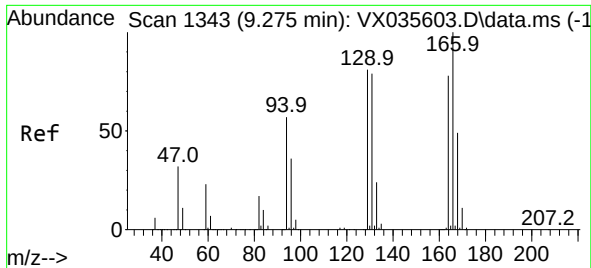
Tgt Ion: 95 Resp: 161333
Ion Ratio Lower Upper
95 100
174 64.6 0.0 147.4
176 62.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

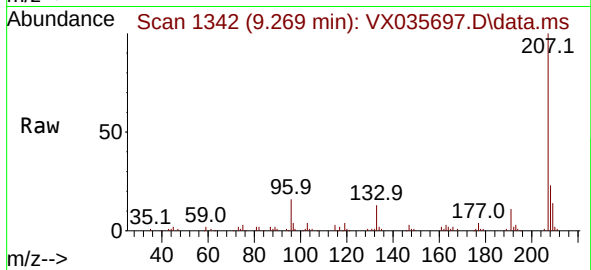
Tgt Ion: 117 Resp: 297208
Ion Ratio Lower Upper
117 100
82 61.0 45.0 67.4
119 32.5 26.0 39.0



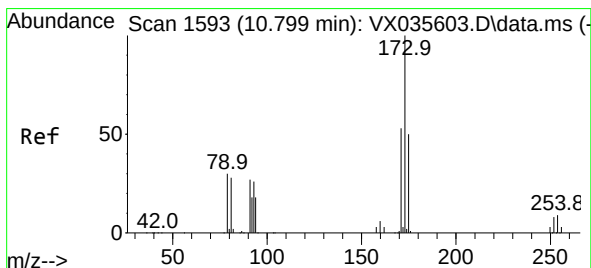
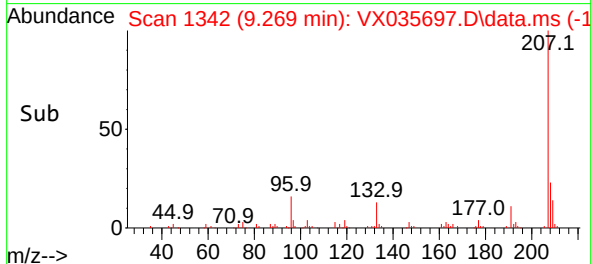
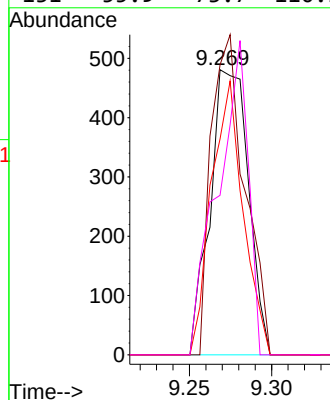


#64
Tetrachloroethene
Concen: 0.389 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Instrument :
MSVOA_X
ClientSampleId :
002-2

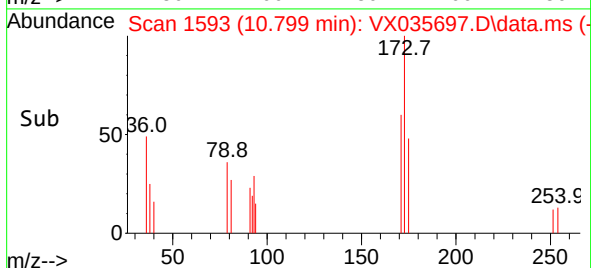
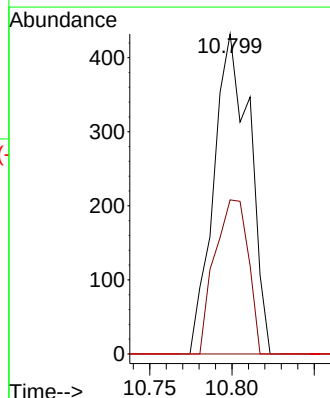
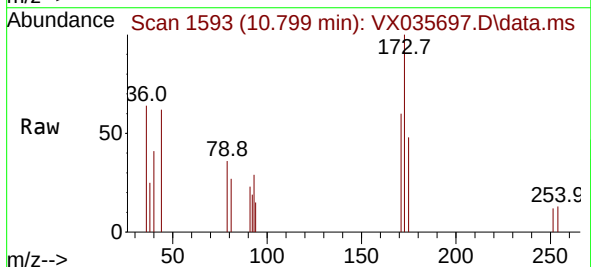


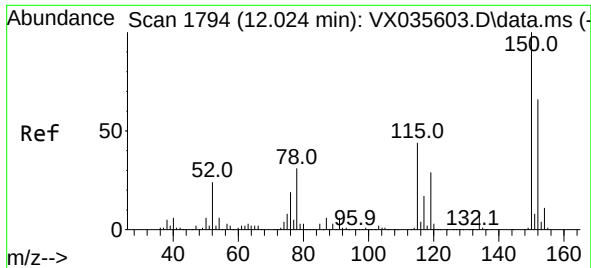
Tgt Ion:164 Resp: 779
Ion Ratio Lower Upper
164 100
166 101.7 102.7 154.1#
129 75.7 75.6 113.4
131 55.9 73.7 110.5#



#71
Bromoform
Concen: 0.436 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX035697.D
Acq: 16 May 2023 17:36

Tgt Ion:173 Resp: 658
Ion Ratio Lower Upper
173 100
175 44.7 24.1 72.4
254 0.0 0.1 0.1#

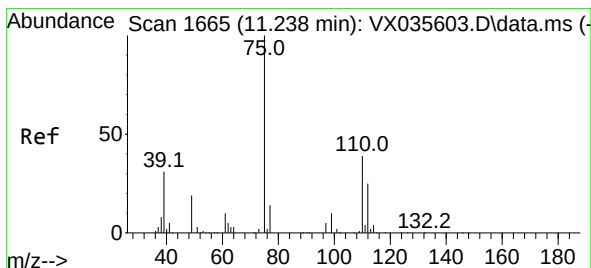
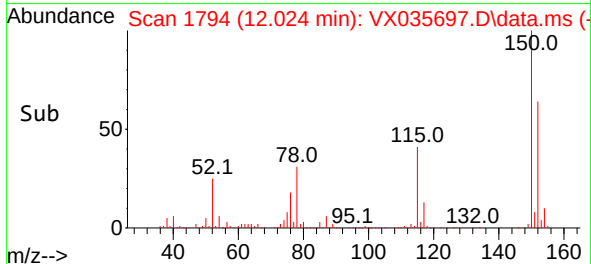
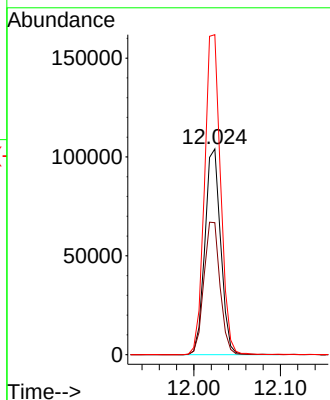
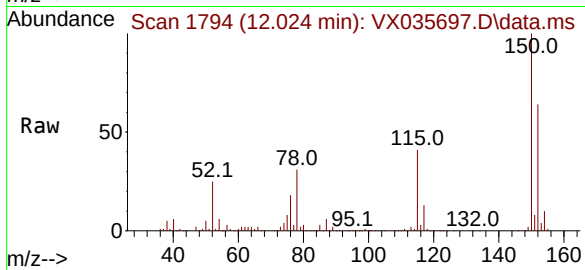




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

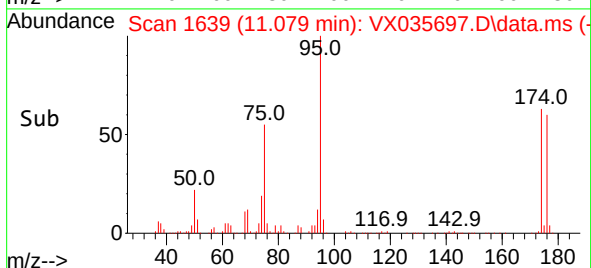
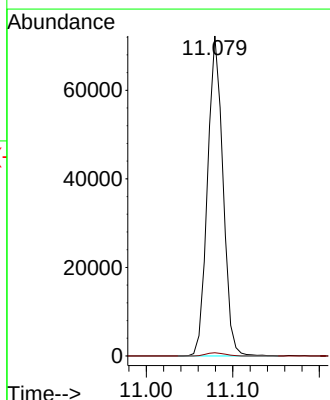
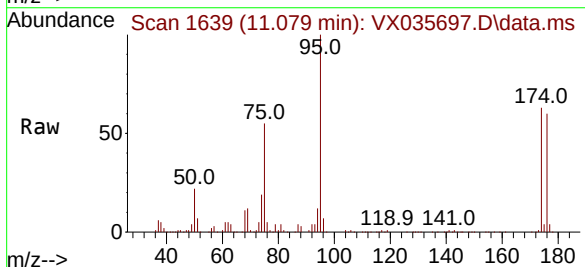
Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

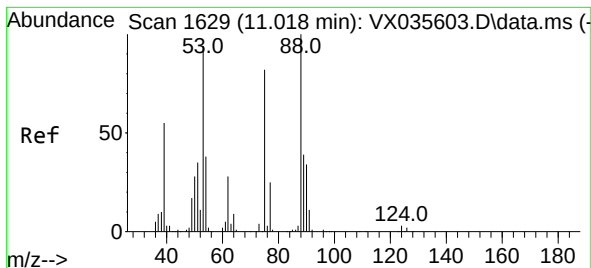
Tgt Ion:152 Resp: 131749
 Ion Ratio Lower Upper
 152 100
 115 65.8 45.0 135.0
 150 158.1 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.755 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

Tgt Ion: 75 Resp: 89444
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.8#

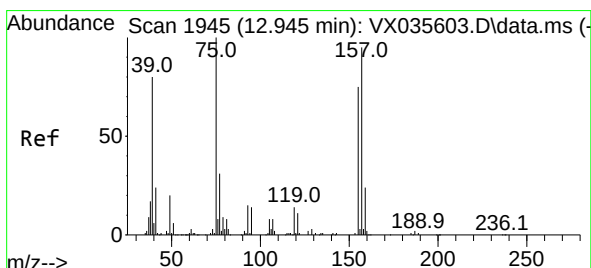
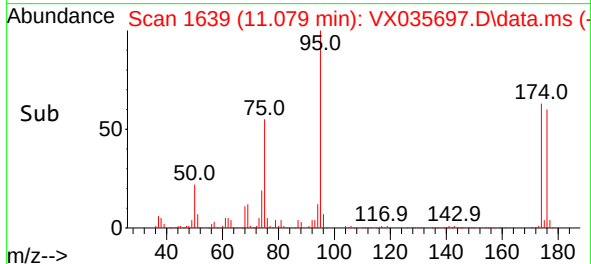
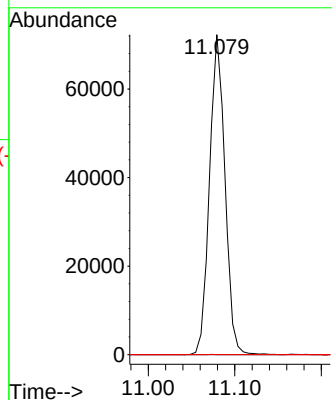
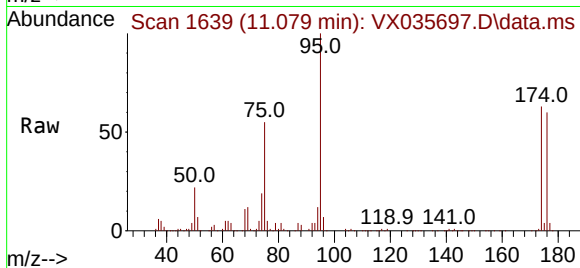




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.450 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

Tgt Ion: 75 Resp: 89444
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.288 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.189 min
 Lab File: VX035697.D
 Acq: 16 May 2023 17:36

Tgt Ion: 75 Resp: 1033
 Ion Ratio Lower Upper
 75 100
 155 13.6 38.4 115.1#
 157 0.0 49.9 149.7#

