

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020098.D
 Acq On : 17 Dec 2020 04:44
 Operator : JC/MD
 Sample : L5113-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS1

Quant Time: Dec 17 06:11:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	299244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	491935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	466872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201940	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	193763	49.27	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.54%	
35) Dibromofluoromethane		5.46	113	156552	49.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.48%	
50) Toluene-d8		8.70	98	618217	50.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.86%	
62) 4-Bromofluorobenzene		11.12	95	213940	46.31	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.62%	

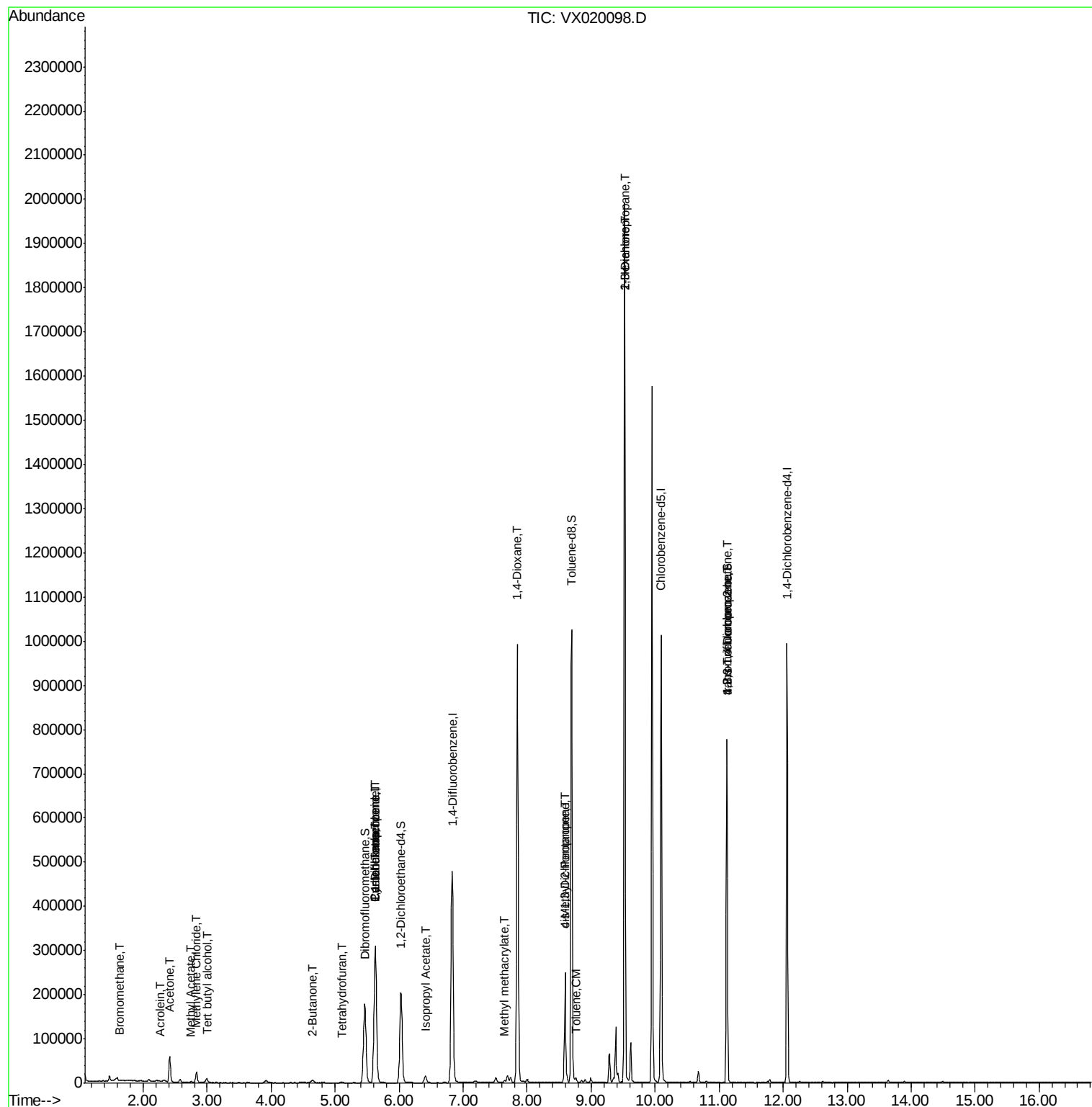
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	536	0.475	ug/l	83
11) Tert butyl alcohol	2.99	59	5746	4.541	ug/l #	73
13) Acrolein	2.26	56	149	0.343	ug/l #	49
16) Acetone	2.42	43	58471	39.553	ug/l	100
18) Methyl Acetate	2.75	43	2494	0.689	ug/l	99
20) Methylene Chloride	2.84	84	11135	1.932	ug/l	97
25) 2-Butanone	4.64	43	5797	2.552	ug/l #	89
29) Tetrahydrofuran	5.09	42	706	0.482	ug/l #	65
31) Cyclohexane	5.62	56	5659	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22933	5.159	ug/l #	48
38) Carbon Tetrachloride	5.62	117	29080	6.680	ug/l #	16
43) Isopropyl Acetate	6.41	43	20390	2.794	ug/l	99
48) Methyl methacrylate	7.65	41	6040	1.683	ug/l #	10
49) 1,4-Dioxane	7.85	88	201	2.312	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	77543	17.406	ug/l #	48
52) Toluene	8.76	92	2823	0.332	ug/l	98
54) cis-1,3-Dichloropropene	8.59	75	41273	7.528	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	18059	3.090	ug/l #	43
59) 2-Hexanone	9.52	43	220078	63.731	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	104309	23.031	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	104309	66.577	ug/l #	12

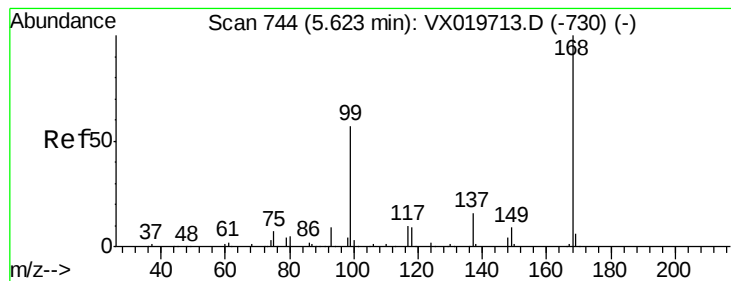
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
Data File : VX020098.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
SS1

Quant Time: Dec 17 06:11:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampleId :

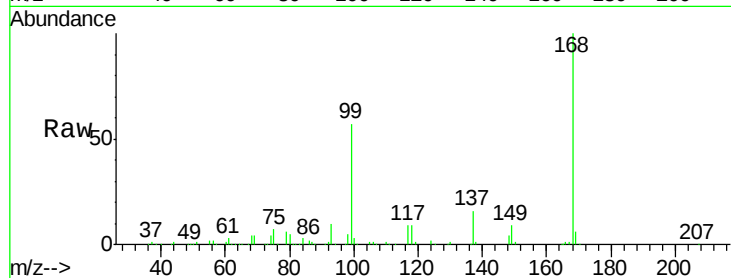
SS1

Tgt Ion:168 Resp: 299244

Ion Ratio Lower Upper

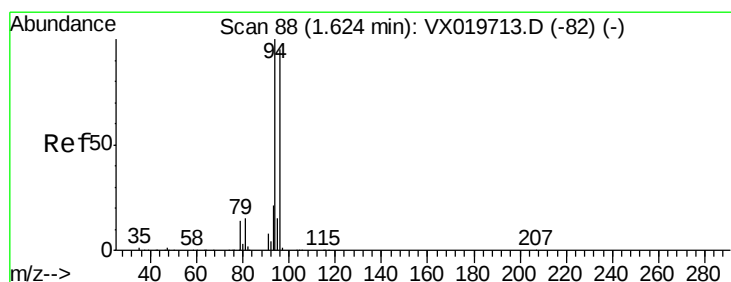
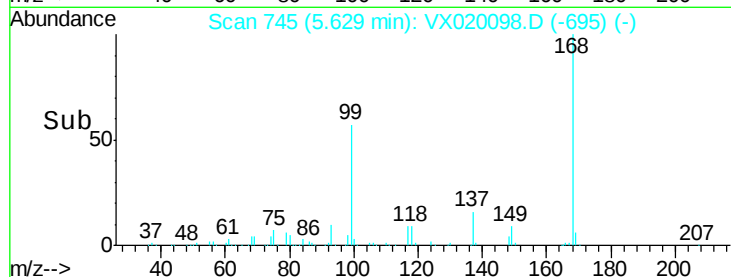
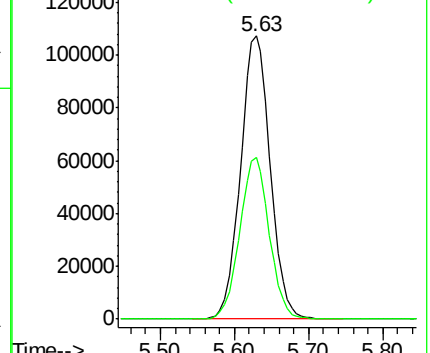
168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020098.D

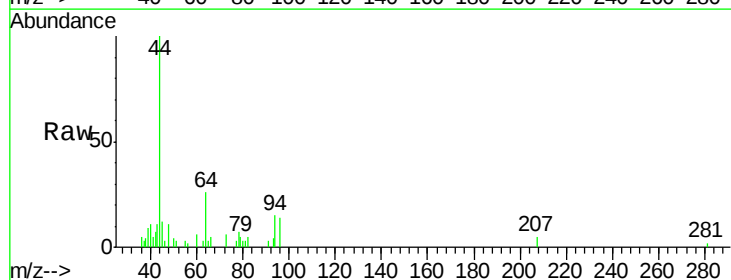
Acq: 17 Dec 2020 04:44

Tgt Ion: 94 Resp: 536

Ion Ratio Lower Upper

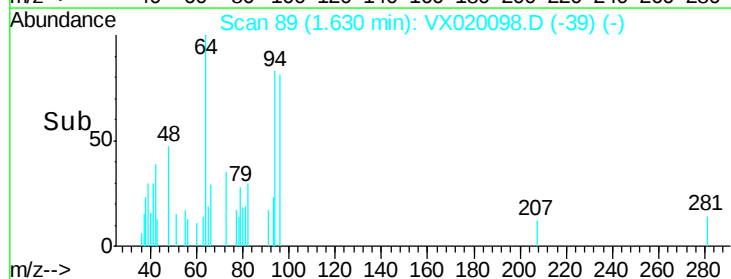
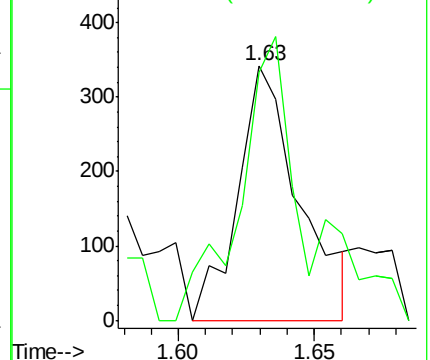
94 100

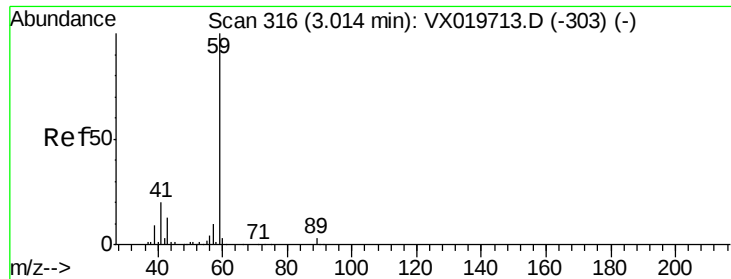
96 78.9 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

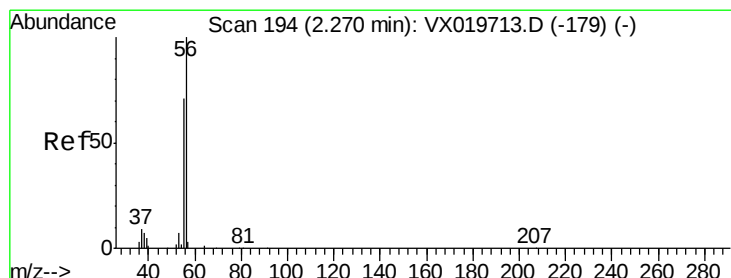
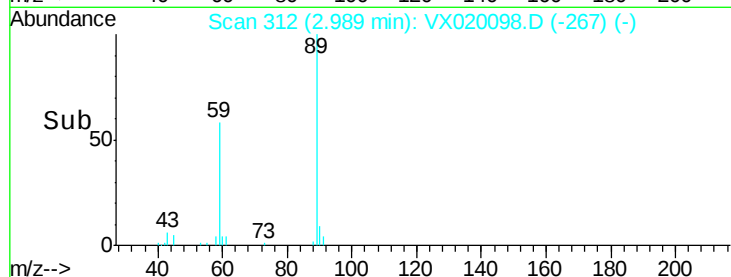
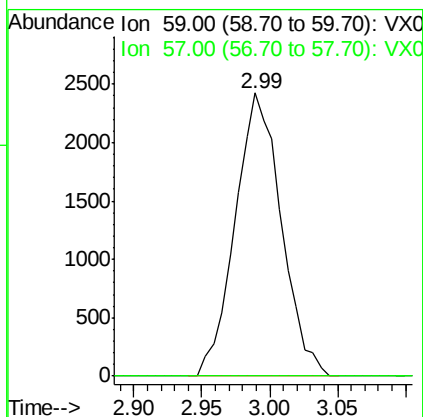
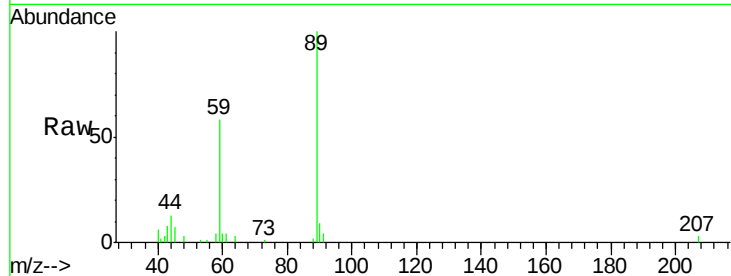




#11
Tert butyl alcohol
Concen: 4.541 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

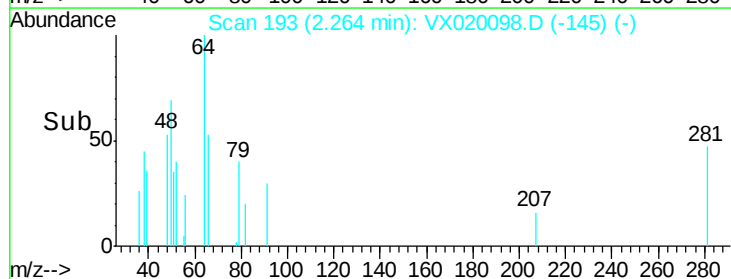
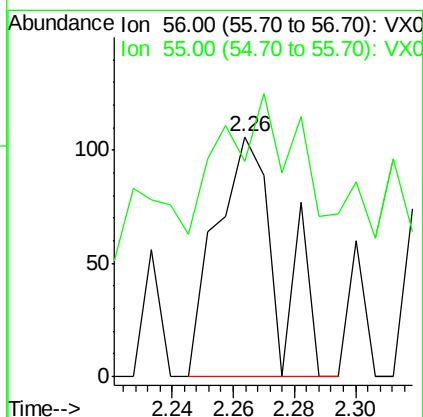
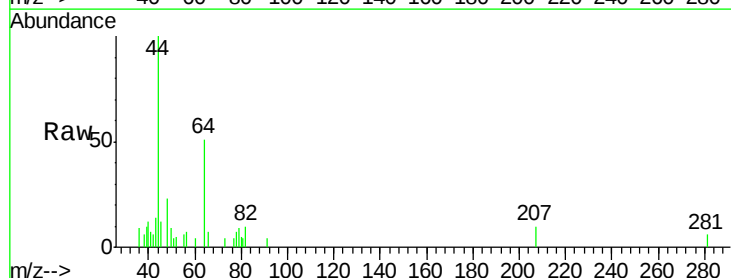
Instrument :
MSVOA_X
ClientSampled :
SS1

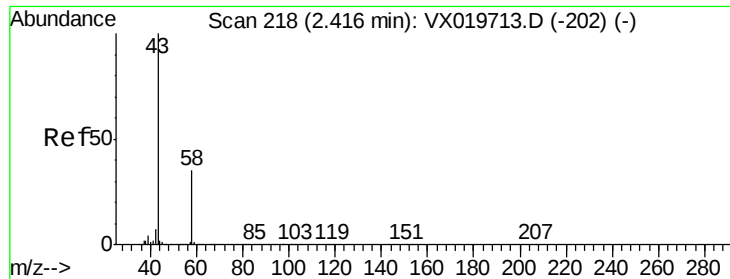
Tgt Ion: 59 Resp: 5746
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.343 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 112.8 56.4 84.6#





#16

Acetone

Concen: 39.553 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampleId :

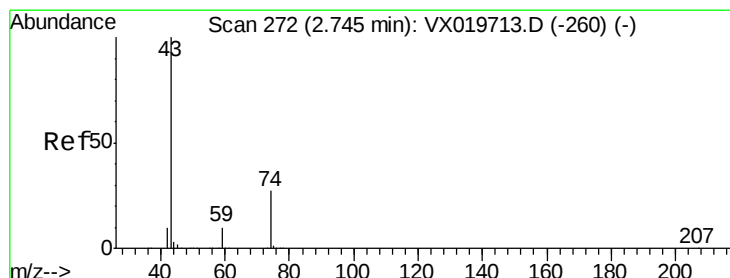
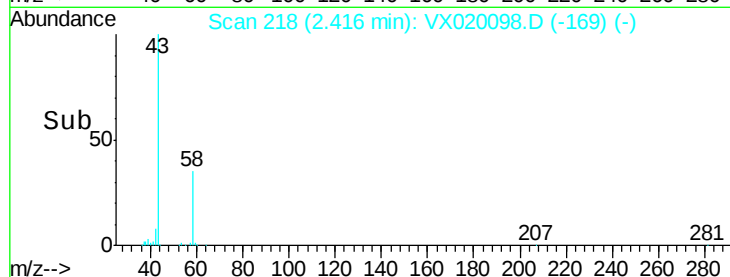
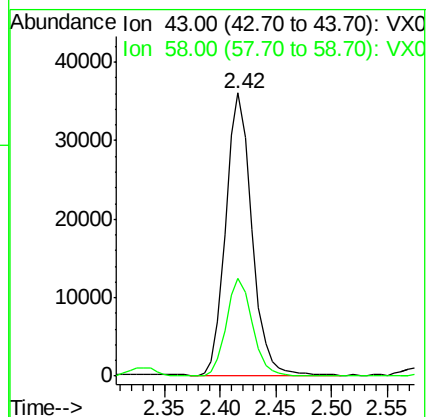
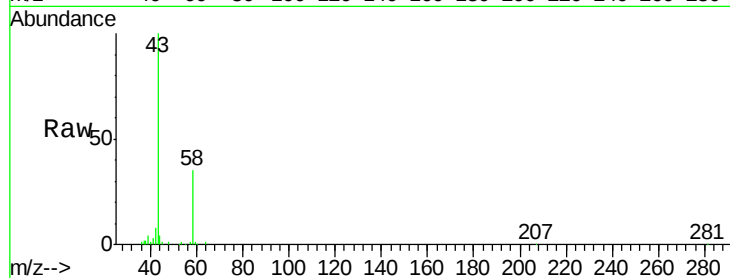
SS1

Tgt Ion: 43 Resp: 58471

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.8



#18

Methyl Acetate

Concen: 0.689 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX020098.D

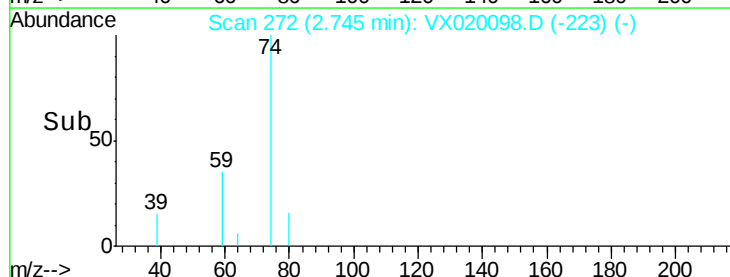
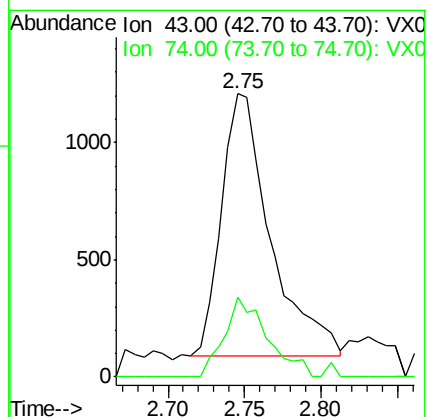
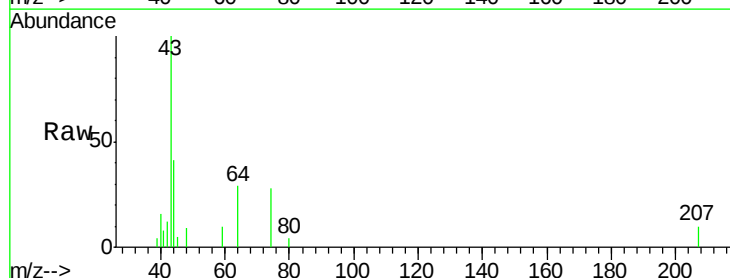
Acq: 17 Dec 2020 04:44

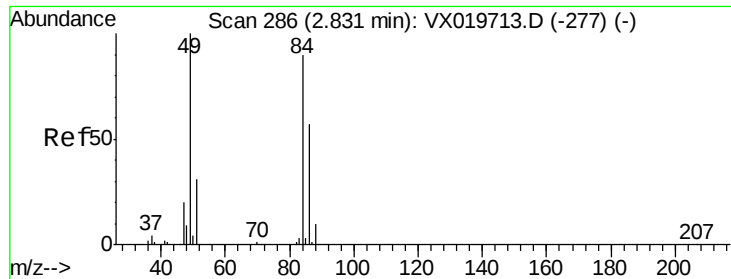
Tgt Ion: 43 Resp: 2494

Ion Ratio Lower Upper

43 100

74 26.8 21.9 32.9

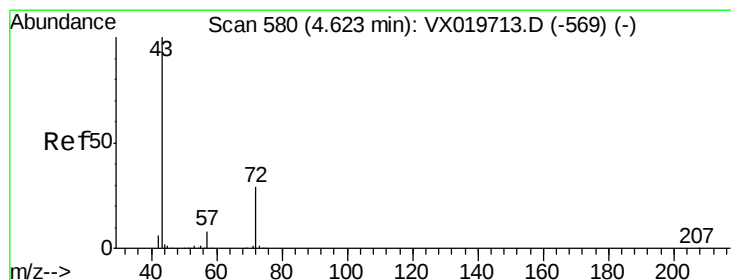
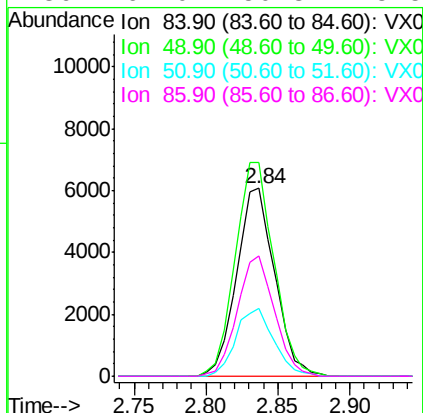
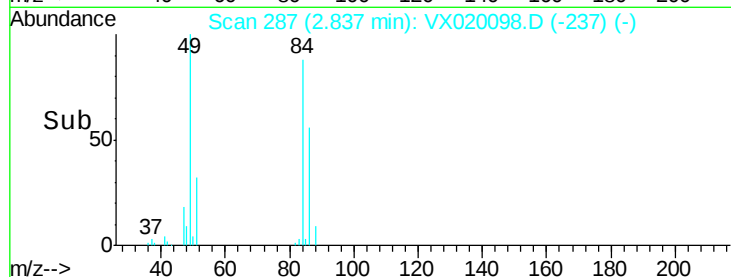
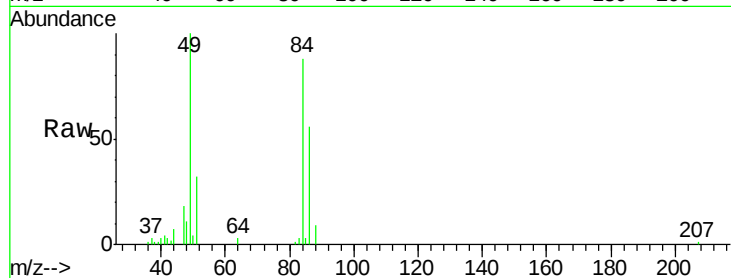




#20
Methylene Chloride
Concen: 1.932 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

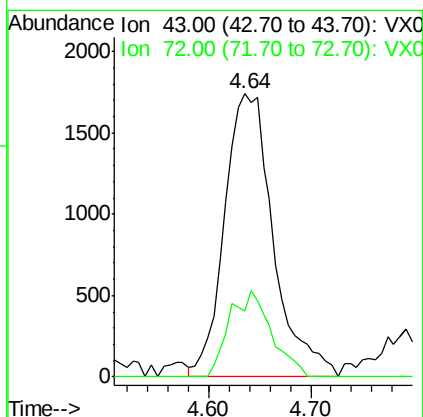
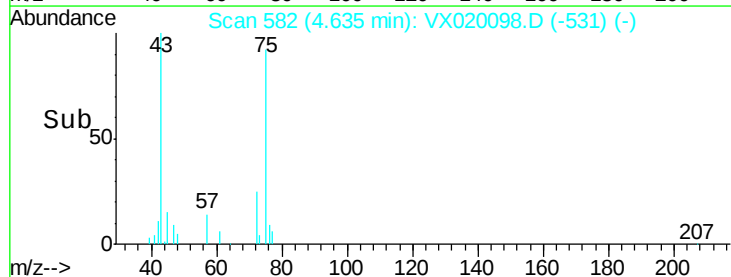
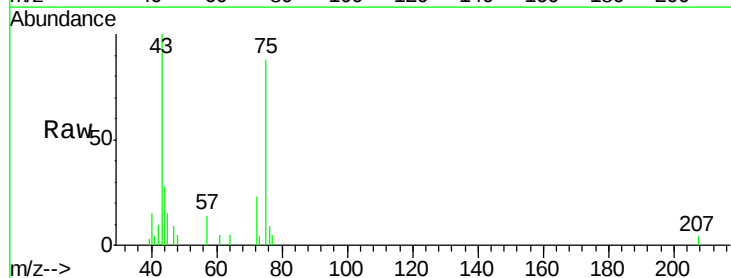
Instrument :
MSVOA_X
ClientSampled :
SS1

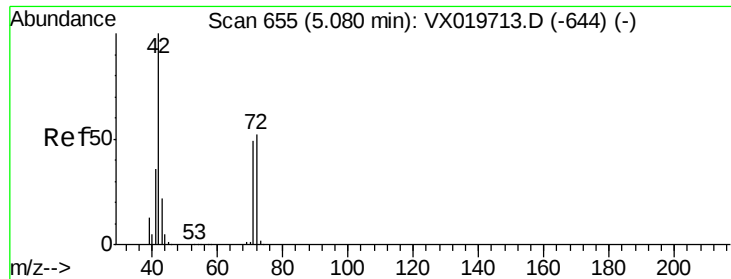
Tgt Ion: 84 Resp: 11135
Ion Ratio Lower Upper
84 100
49 113.5 88.6 132.8
51 36.1 27.0 40.6
86 64.0 50.3 75.5



#25
2-Butanone
Concen: 2.552 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

Tgt Ion: 43 Resp: 5797
Ion Ratio Lower Upper
43 100
72 23.4 23.7 35.5#

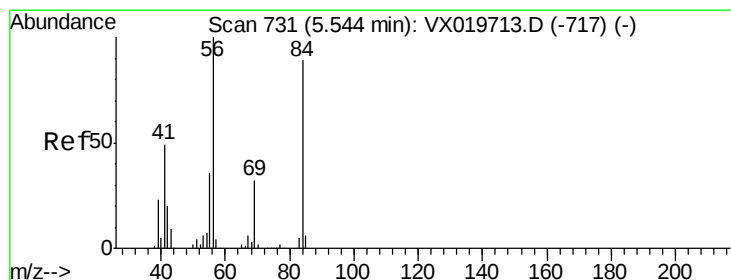
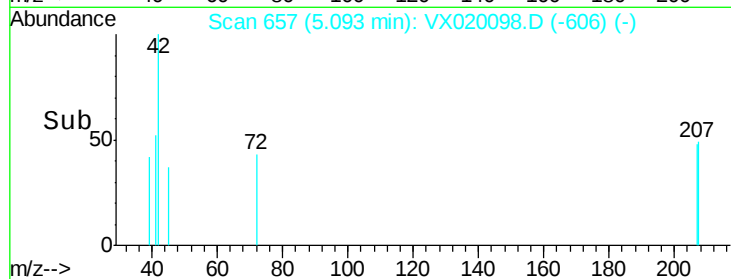
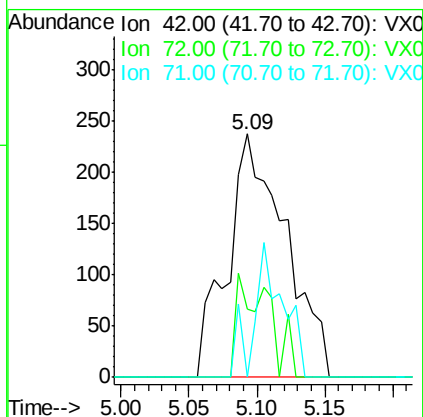
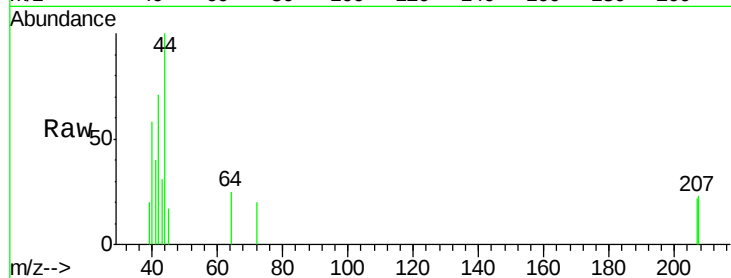




#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

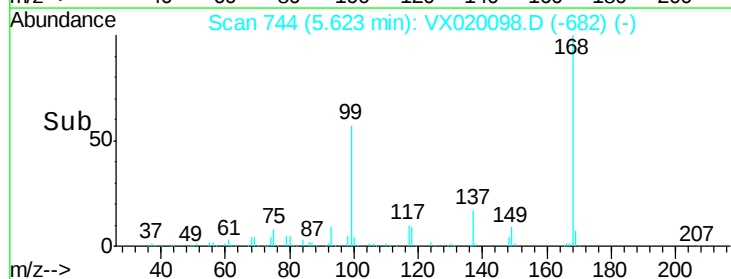
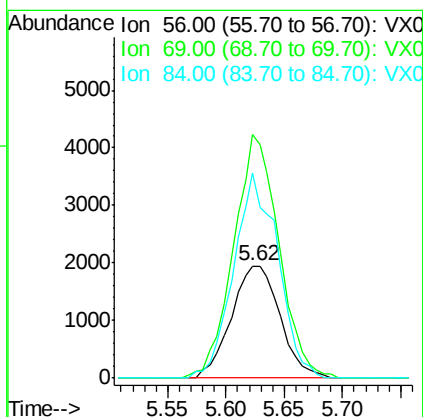
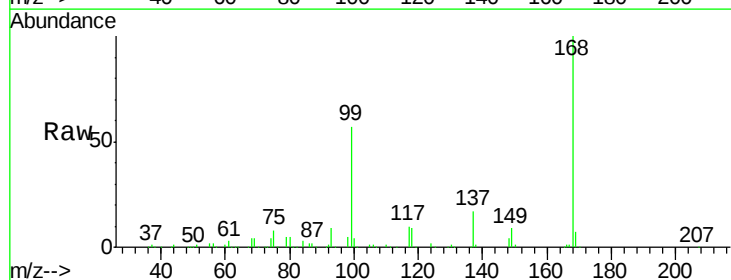
Instrument :
MSVOA_X
ClientSampleId :
SS1

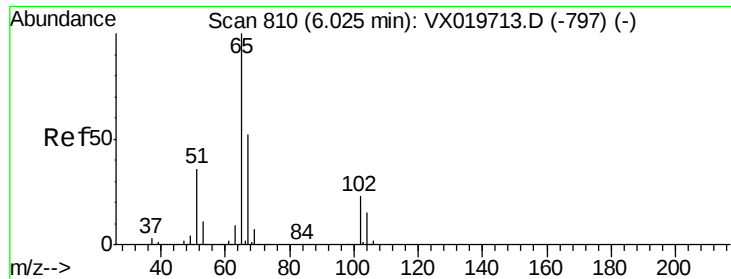
Tgt Ion: 42 Resp: 706
Ion Ratio Lower Upper
42 100
72 23.8 41.7 62.5#
71 28.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

Tgt Ion: 56 Resp: 5659
Ion Ratio Lower Upper
56 100
69 217.3 25.3 37.9#
84 182.7 71.4 107.0#

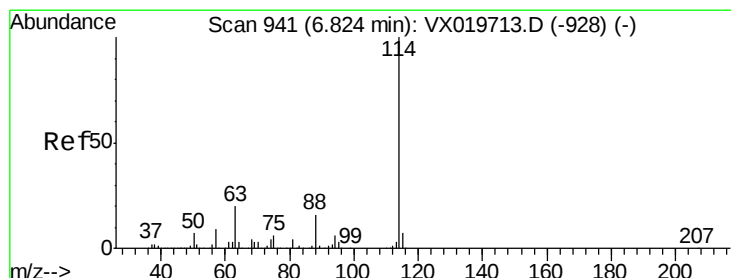
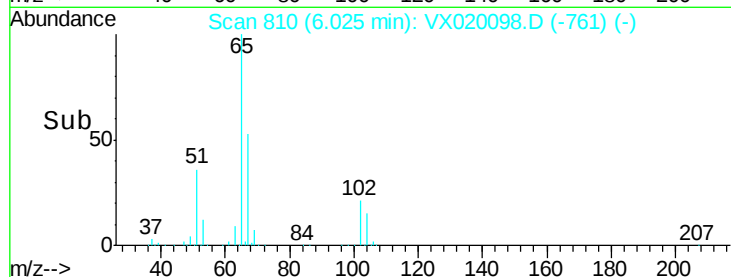
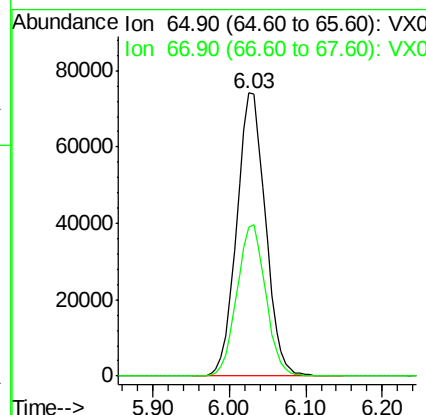
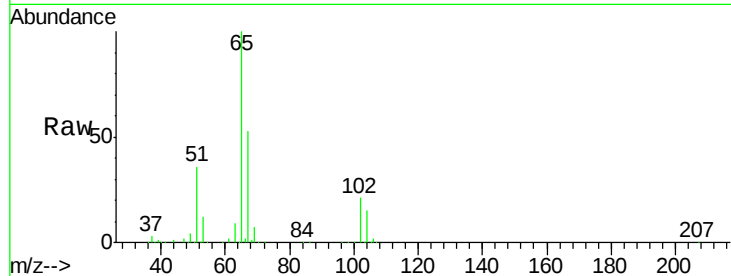




#33
 1,2-Dichloroethane-d4
 Concen: 49.267 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX020098.D
 Acq: 17 Dec 2020 04:44

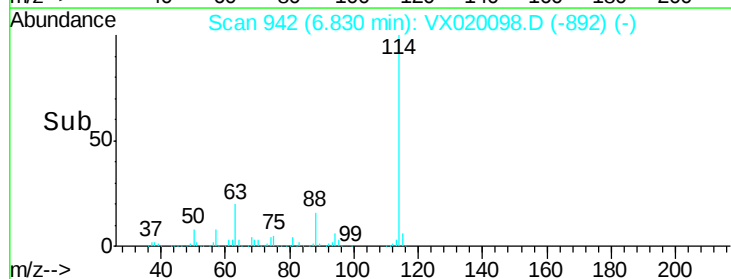
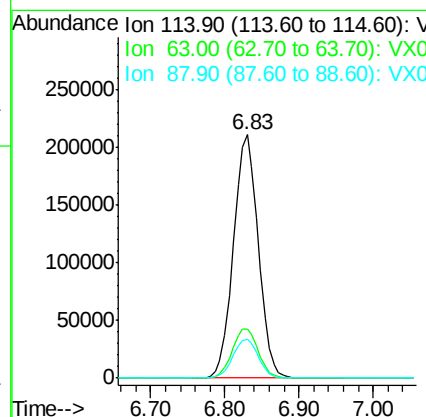
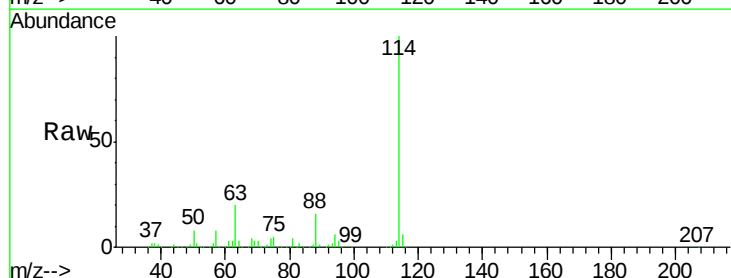
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 MSVOA_X
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 SS1

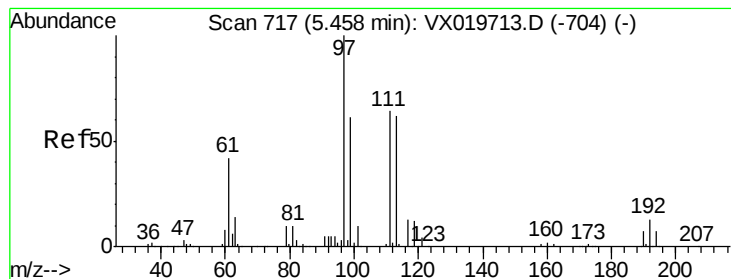
Tgt Ion: 65 Resp: 193763
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020098.D
 Acq: 17 Dec 2020 04:44

Tgt Ion: 114 Resp: 491935
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.241 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampleId :

SS1

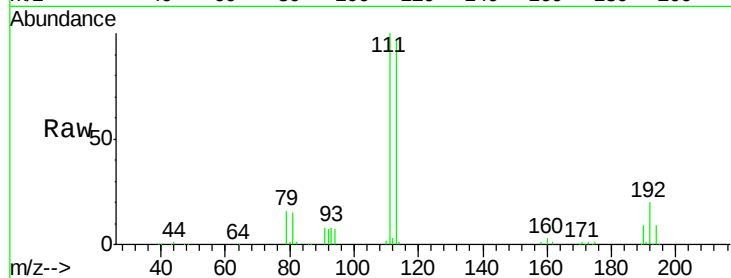
Tgt Ion:113 Resp: 156552

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

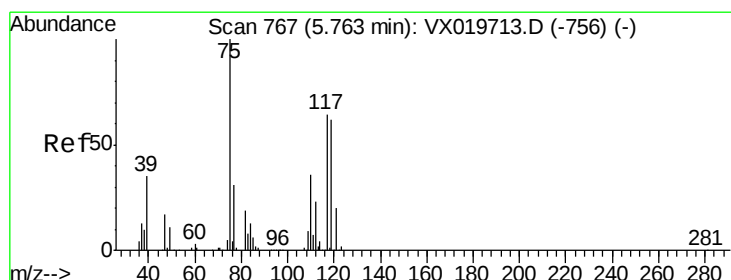
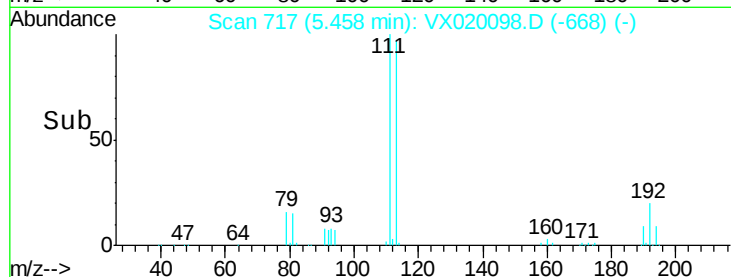
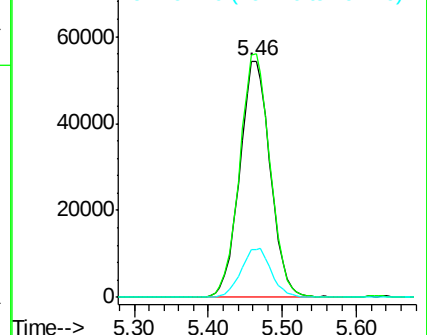
192 20.4 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

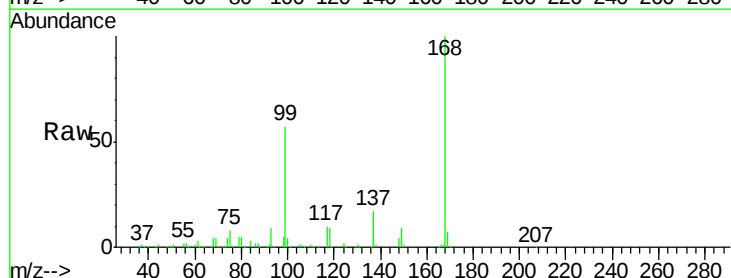
Tgt Ion: 75 Resp: 22933

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

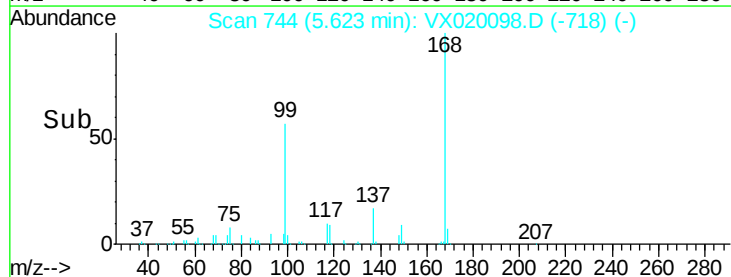
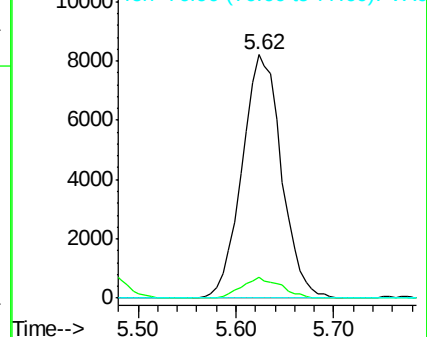
77 0.0 25.3 37.9#

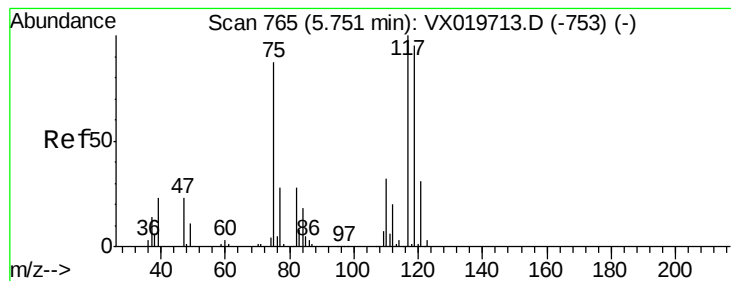


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampled :

SS1

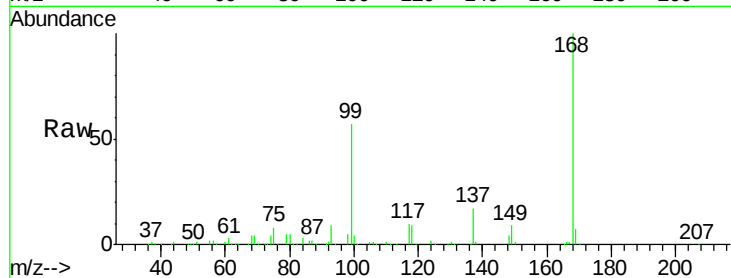
Tgt Ion:117 Resp: 29080

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

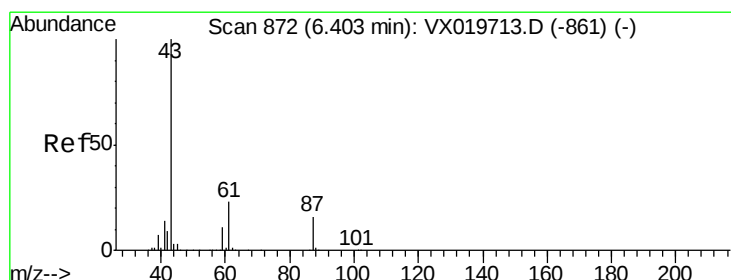
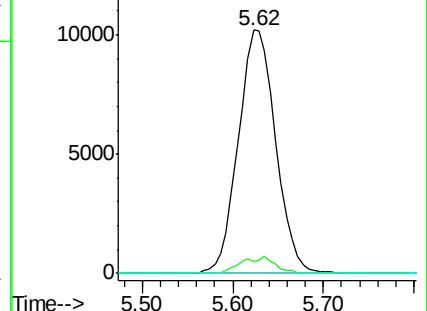
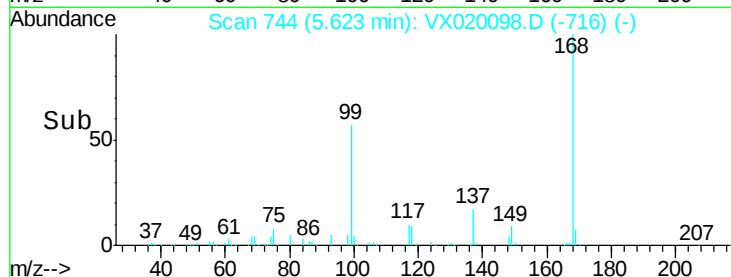
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.794 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

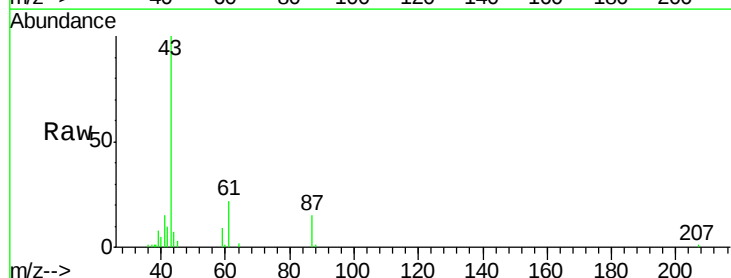
Tgt Ion: 43 Resp: 20390

Ion Ratio Lower Upper

43 100

61 22.6 18.2 27.4

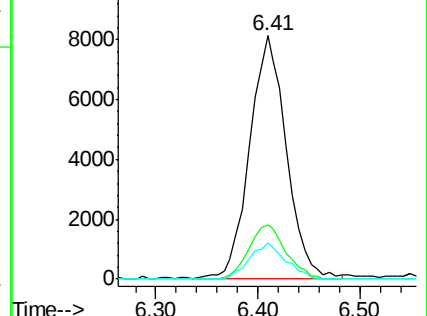
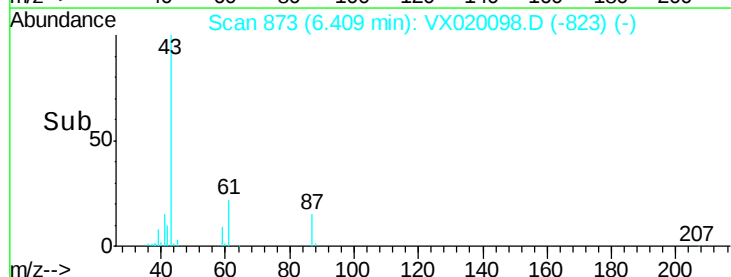
87 14.4 12.5 18.7

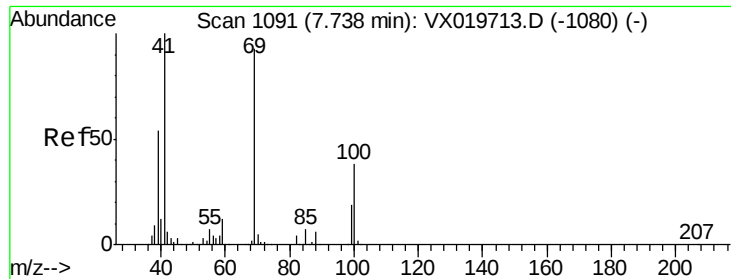


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

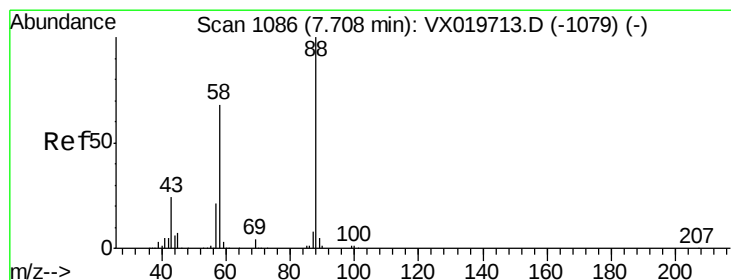
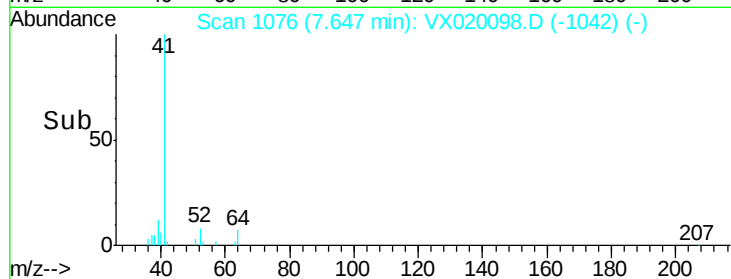
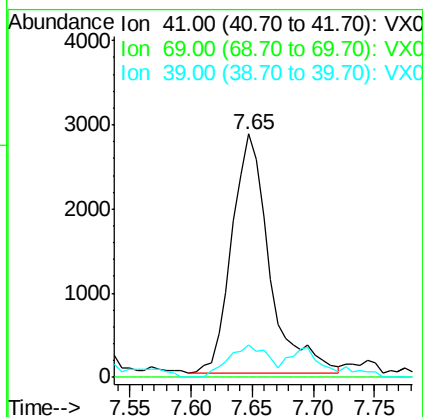
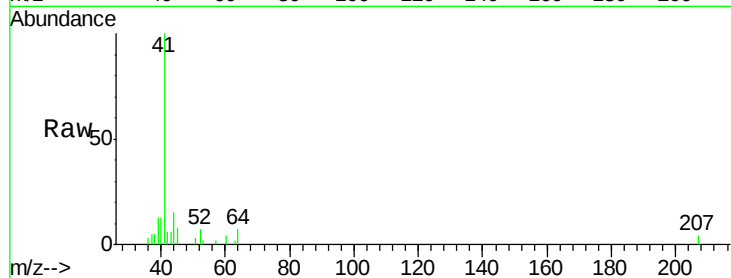




#48
Methyl methacrylate
Concen: 1.683 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

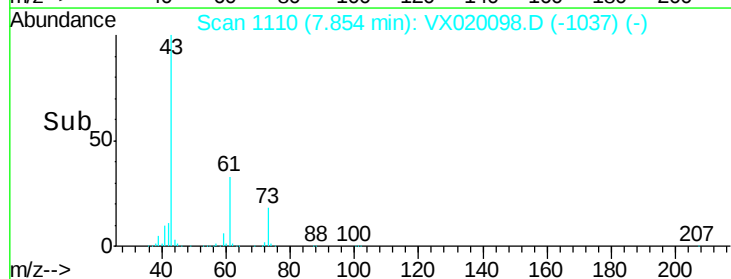
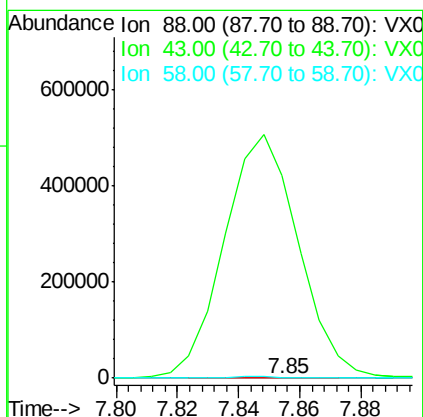
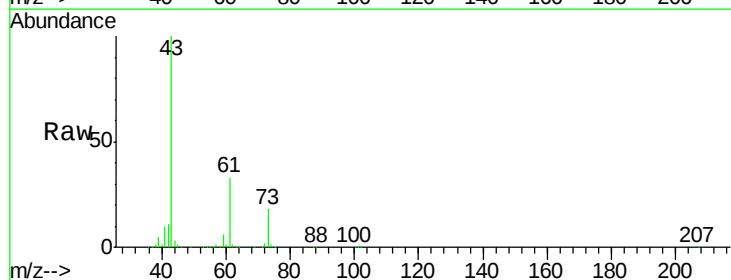
Instrument :
MSVOA_X
ClientSampleId :
SS1

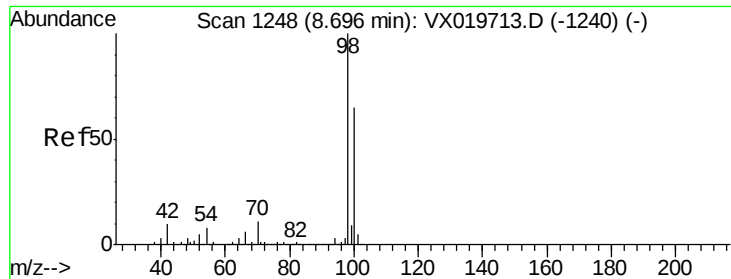
Tgt Ion: 41 Resp: 6040
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.312 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.15 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 426548.8 23.2 34.8#
58 2403.0 55.0 82.4#

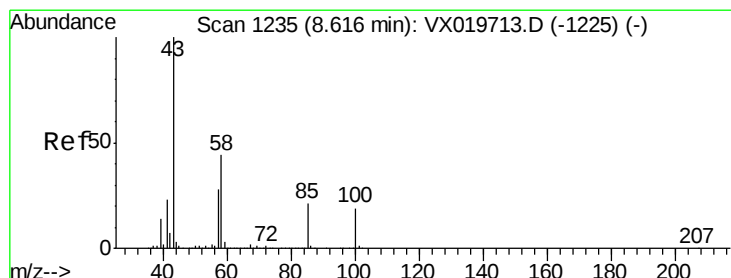
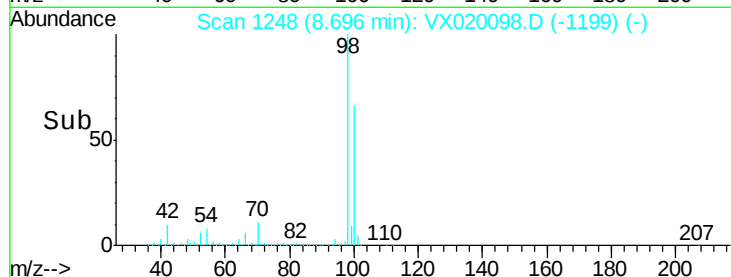
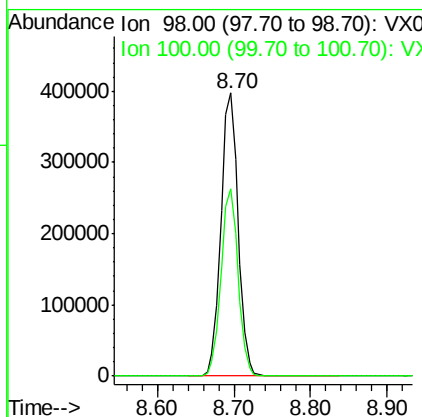
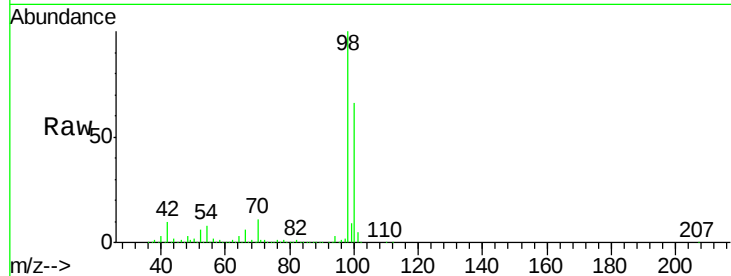




#50
Toluene-d8
Concen: 50.933 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

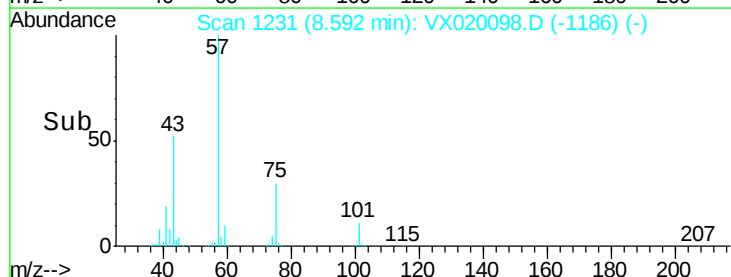
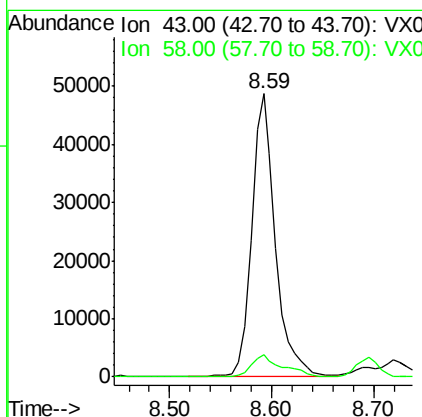
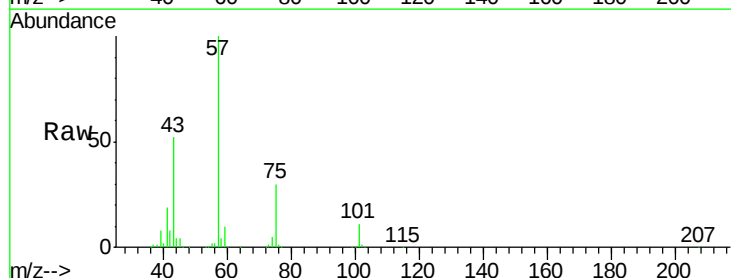
Instrument :
MSVOA_X
ClientSampleId :
SS1

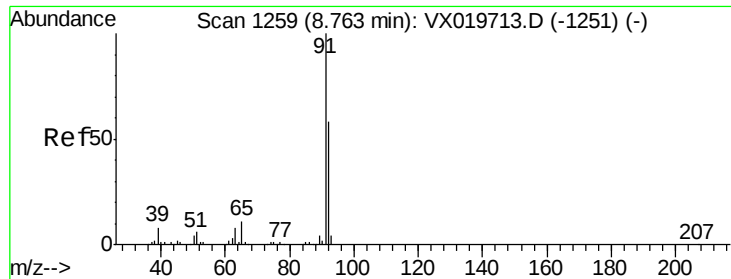
Tgt Ion: 98 Resp: 618217
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.406 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020098.D
Acq: 17 Dec 2020 04:44

Tgt Ion: 43 Resp: 77543
Ion Ratio Lower Upper
43 100
58 10.2 35.4 53.0#





#52

Toluene

Concen: 0.332 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampled :

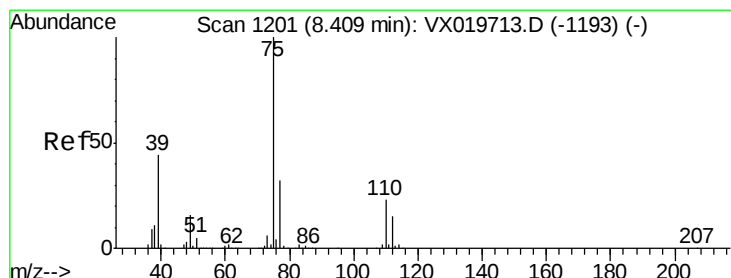
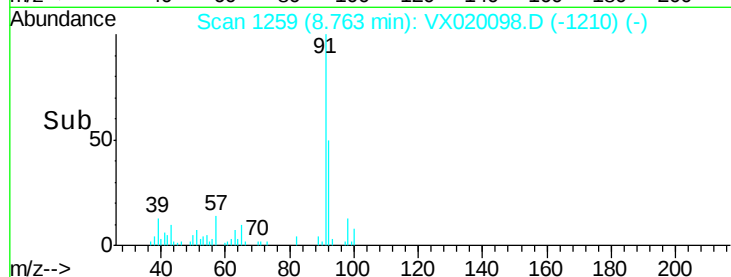
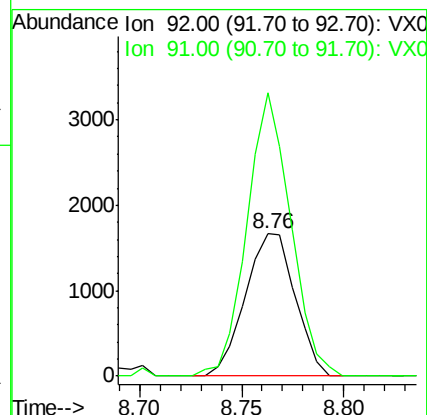
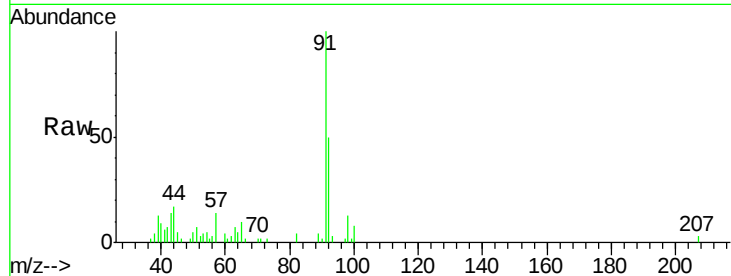
SS1

Tgt Ion: 92 Resp: 2823

Ion Ratio Lower Upper

92 100

91 174.4 137.1 205.7



#54

cis-1,3-Dichloropropene

Concen: 7.528 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

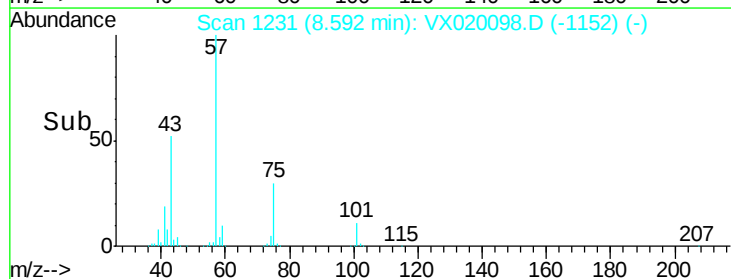
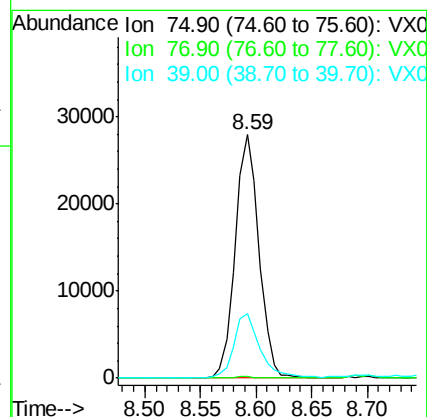
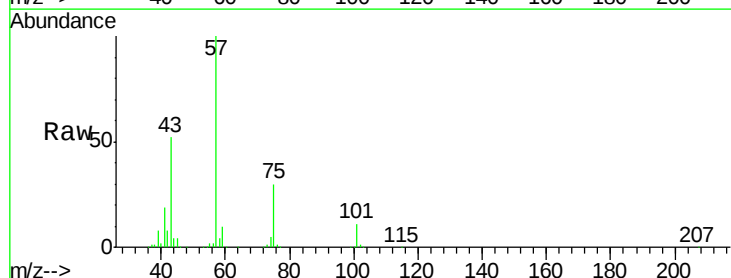
Tgt Ion: 75 Resp: 41273

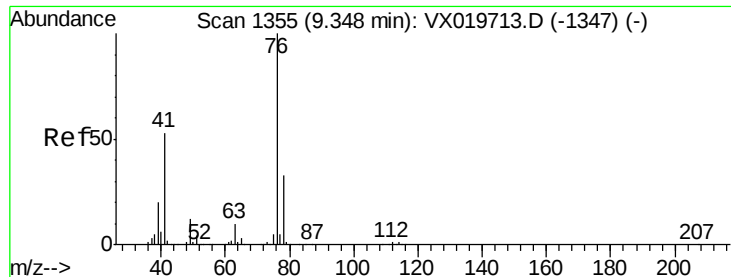
Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 26.2 35.1 52.7#

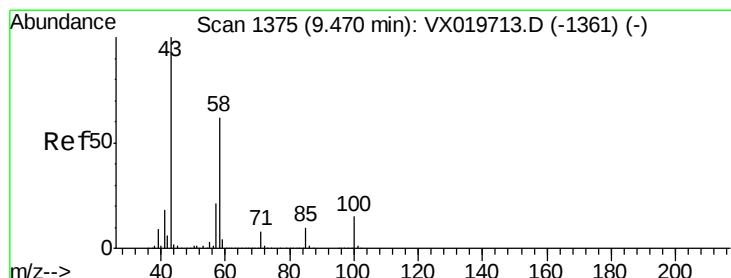
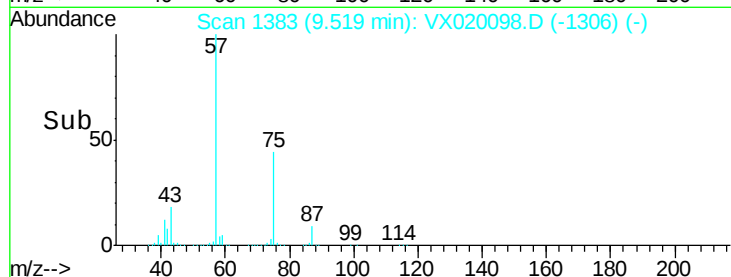
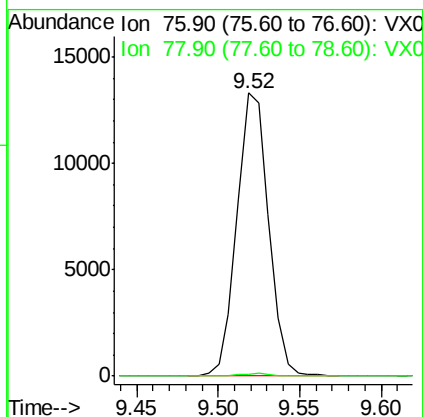
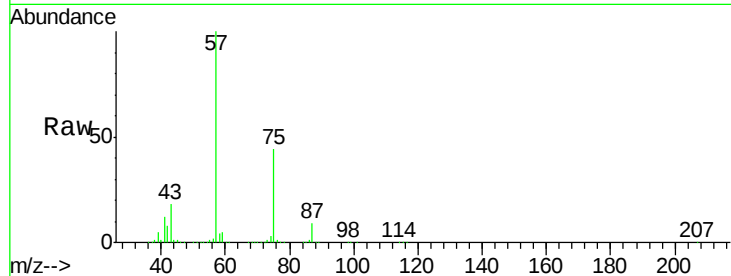




#57
 1,3-Dichloropropane
 Concen: 3.090 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020098.D
 Acq: 17 Dec 2020 04:44

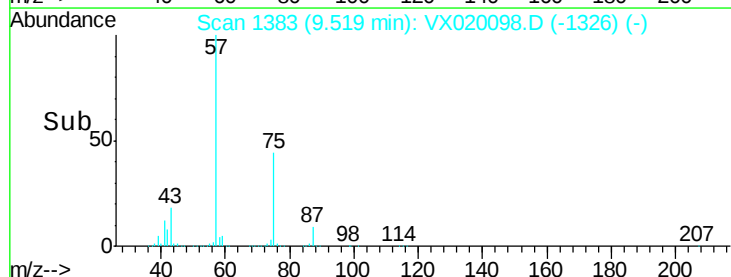
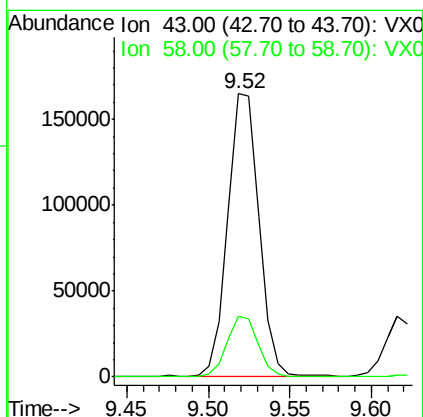
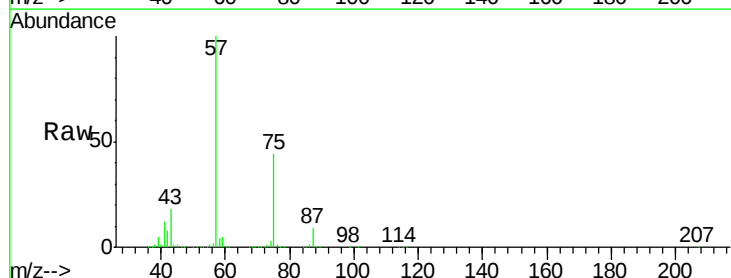
Instrument :
 MSVOA_X
 ClientSampled :
 SS1

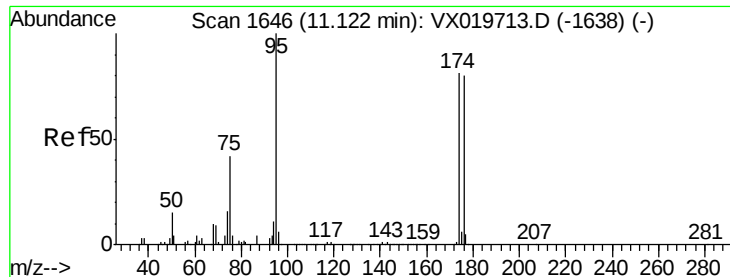
Tgt Ion: 76 Resp: 18059
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#



#59
 2-Hexanone
 Concen: 63.731 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.05 min
 Lab File: VX020098.D
 Acq: 17 Dec 2020 04:44

Tgt Ion: 43 Resp: 220078
 Ion Ratio Lower Upper
 43 100
 58 21.2 30.9 92.8#





#62

4-Bromofluorobenzene

Concen: 46.309 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampled :

SS1

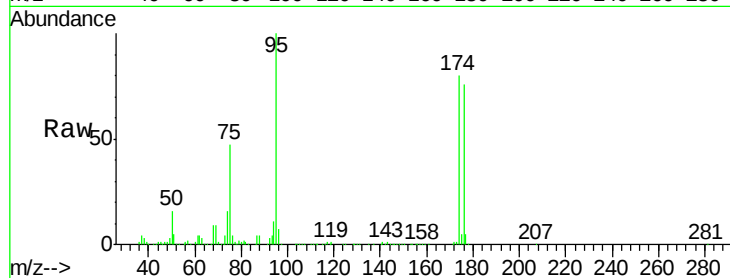
Tgt Ion: 95 Resp: 213940

Ion Ratio Lower Upper

95 100

174 76.3 0.0 154.6

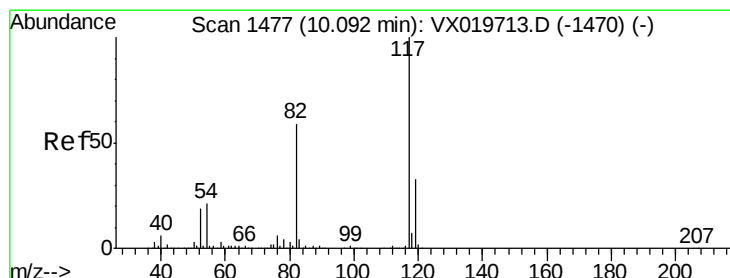
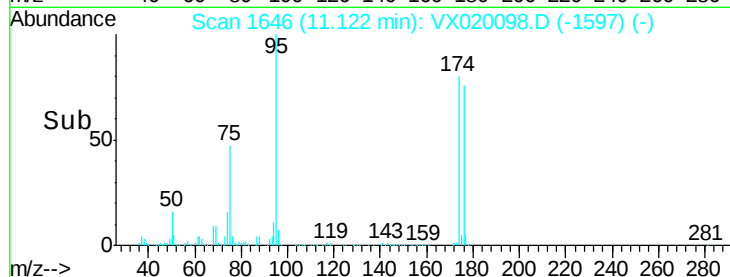
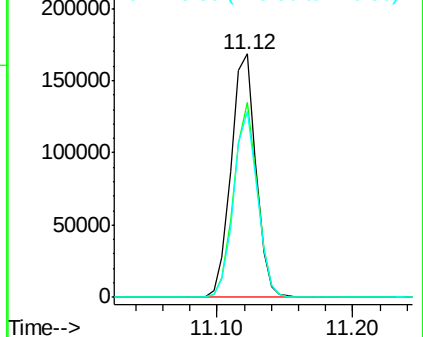
176 73.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

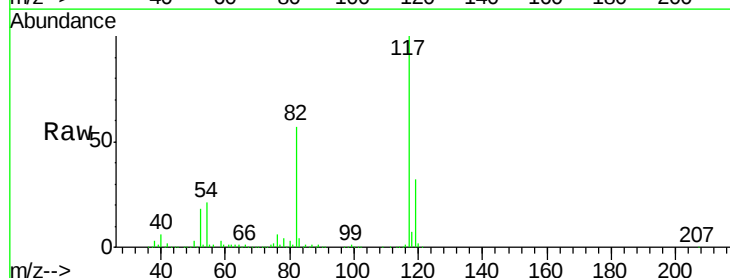
Tgt Ion: 117 Resp: 466872

Ion Ratio Lower Upper

117 100

82 56.9 47.4 71.2

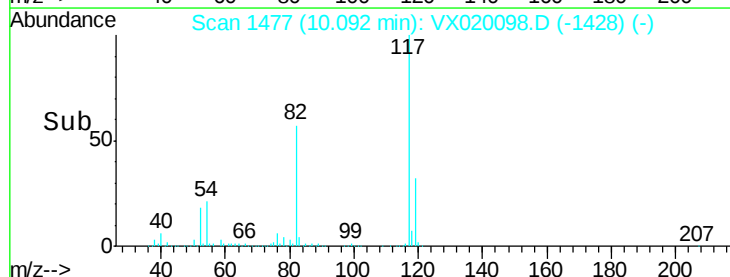
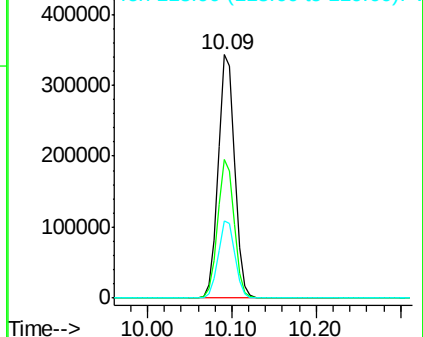
119 31.6 26.6 39.8

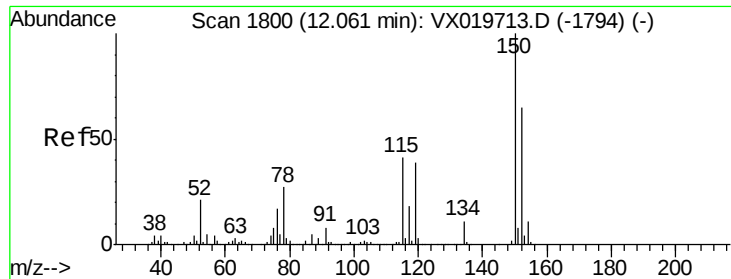


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampleId :

SS1

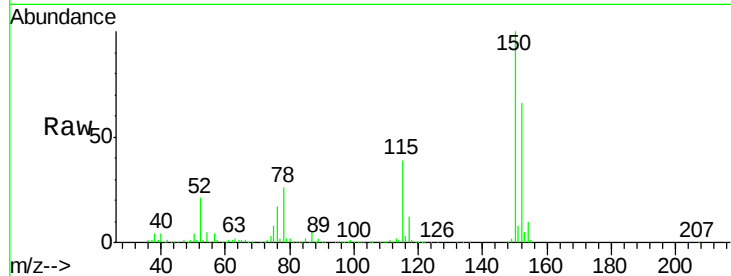
Tgt Ion:152 Resp: 201940

Ion Ratio Lower Upper

152 100

115 60.5 41.1 123.3

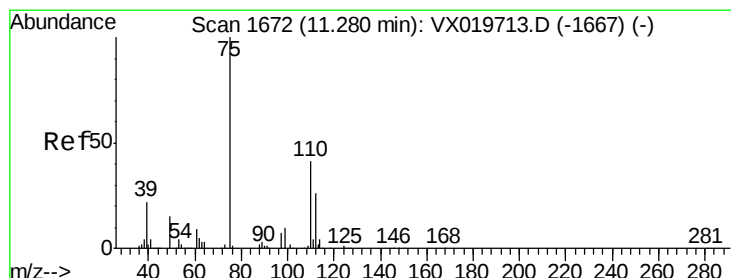
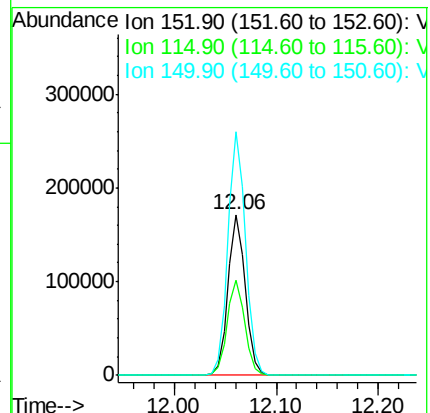
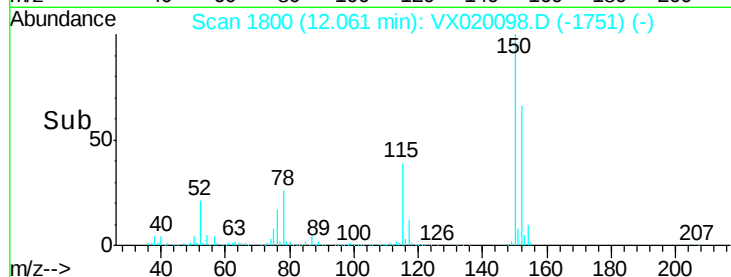
150 154.5 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.031 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020098.D

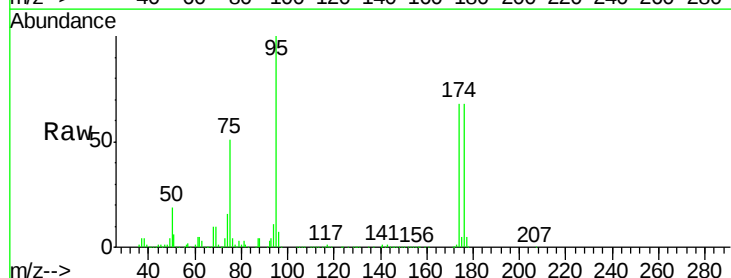
Acq: 17 Dec 2020 04:44

Tgt Ion: 75 Resp: 104309

Ion Ratio Lower Upper

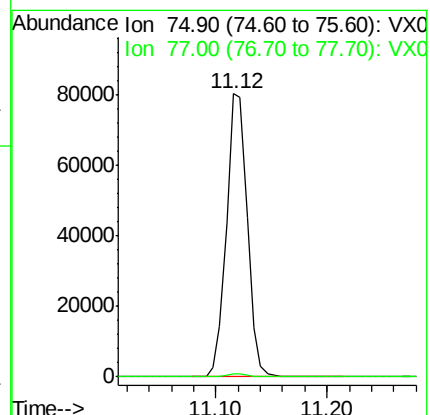
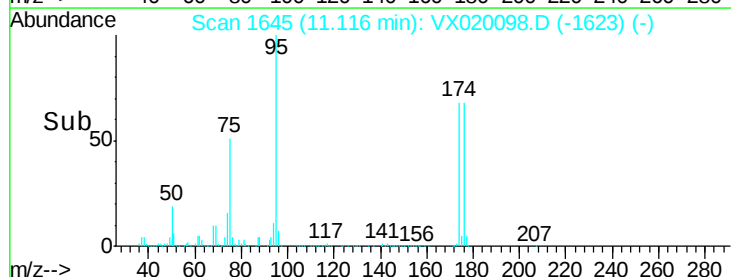
75 100

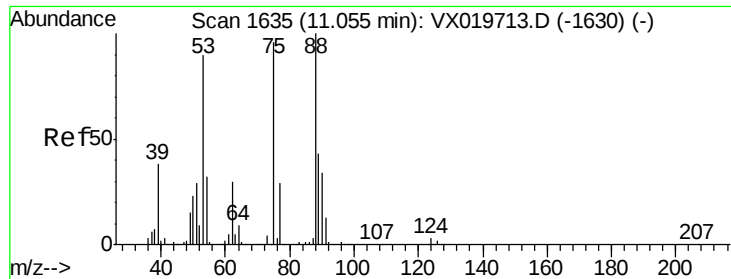
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.577 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020098.D

Acq: 17 Dec 2020 04:44

Instrument :

MSVOA_X

ClientSampleId :

SS1

Tgt Ion: 75 Resp: 104309

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

