

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020053.D
 Acq On : 16 Dec 2020 08:03
 Operator : JC/MD
 Sample : L5088-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-TOP

Quant Time: Dec 16 08:25:14 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	306686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	486910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208678	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	199391	49.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.94%	
35) Dibromofluoromethane		5.46	113	160669	49.03	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.06%	
50) Toluene-d8		8.70	98	638138	51.01	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.02%	
62) 4-Bromofluorobenzene		11.12	95	221546	46.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.06%	

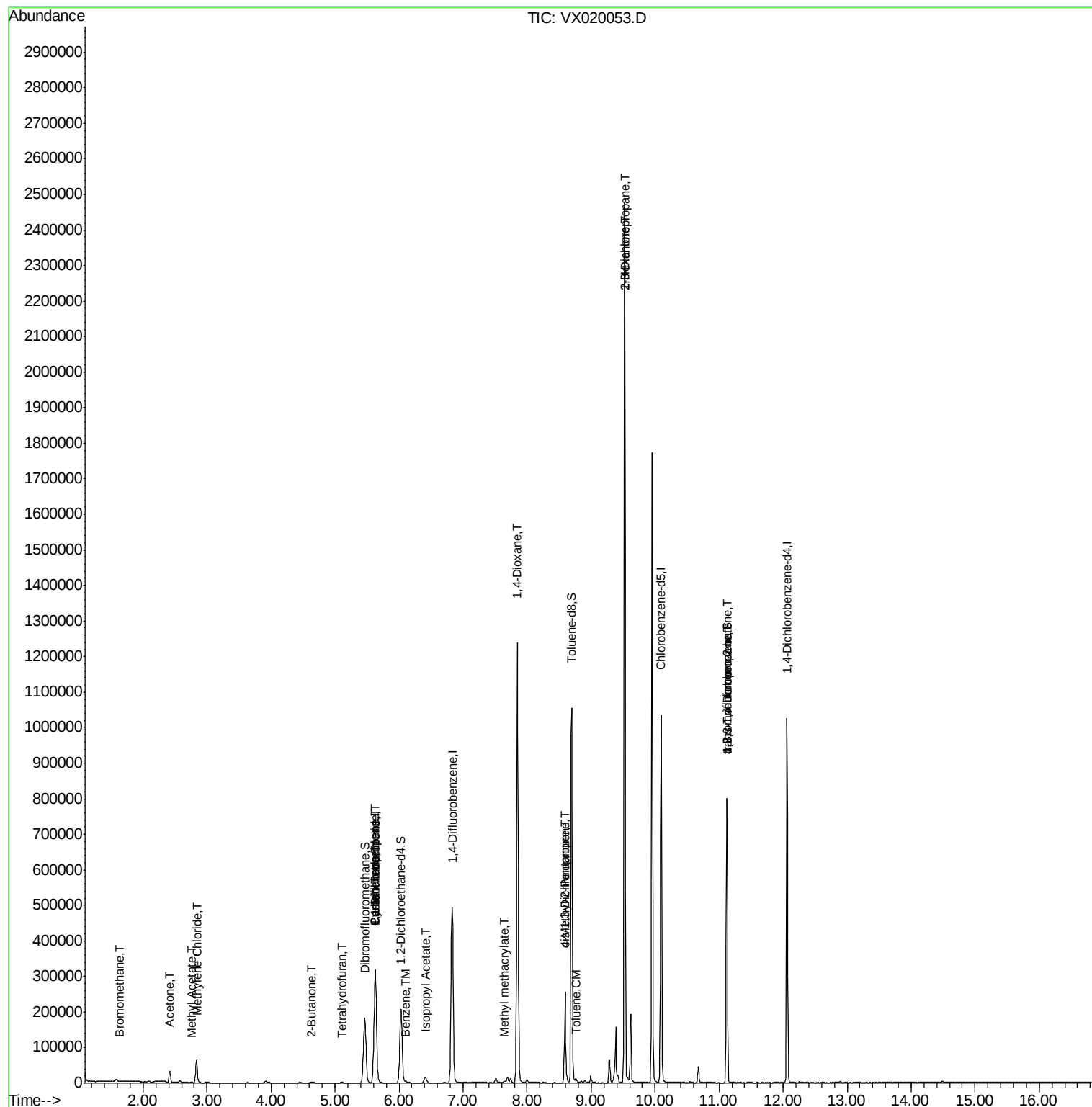
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	591	0.511	ug/l #	36
11) Tert butyl alcohol	3.00	59	1158	Below Cal	#	73
16) Acetone	2.42	43	32184	21.243	ug/l	97
18) Methyl Acetate	2.75	43	2094	0.565	ug/l #	83
20) Methylene Chloride	2.84	84	30674	7.664	ug/l	97
25) 2-Butanone	4.63	43	4668	2.005	ug/l	90
29) Tetrahydrofuran	5.10	42	936	0.624	ug/l #	82
31) Cyclohexane	5.62	56	5891	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23052	5.031	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29829	6.649	ug/l #	16
40) Benzene	6.10	78	3936	0.281	ug/l	100
43) Isopropyl Acetate	6.41	43	21827	2.902	ug/l	97
48) Methyl methacrylate	7.65	41	7366	1.991	ug/l #	10
49) 1,4-Dioxane	7.85	88	224	2.500	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	80859	17.610	ug/l #	48
52) Toluene	8.76	92	3081	0.352	ug/l	100
54) cis-1,3-Dichloropropene	8.59	75	41905	7.416	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	22491	3.734	ug/l #	43
59) 2-Hexanone	9.52	43	273546	76.858	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	107623	22.995	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	107623	66.474	ug/l #	12

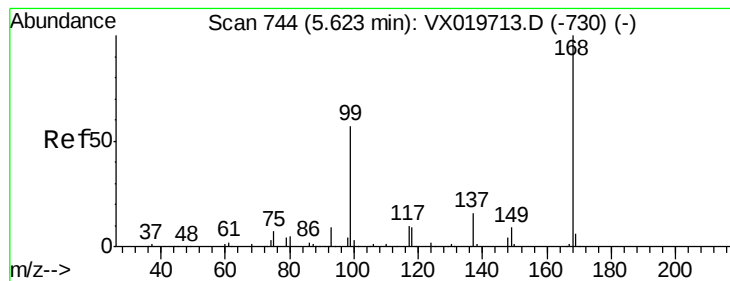
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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ClientSampleId :
TR3-C-TOP

Quant Time: Dec 16 08:25:14 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: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

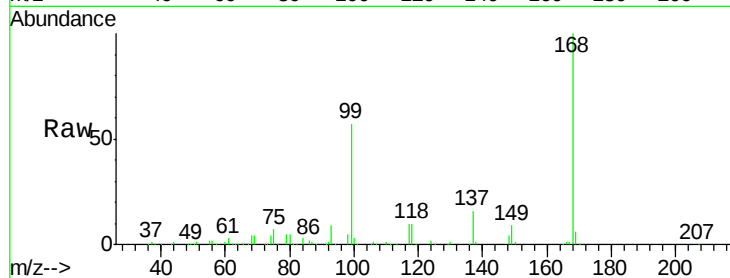
TR3-C-TOP

Tgt Ion: 168 Resp: 306686

Ion Ratio Lower Upper

168 100

99 57.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

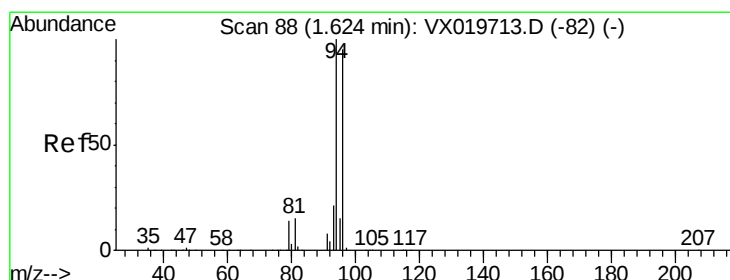
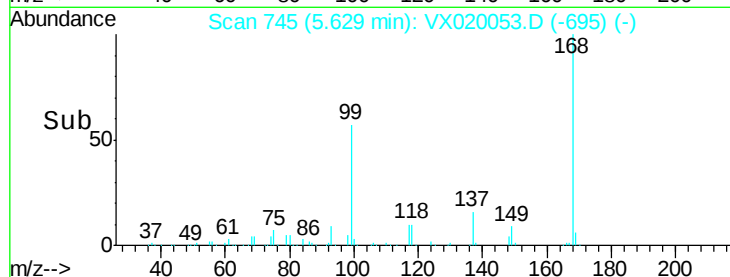
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.511 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020053.D

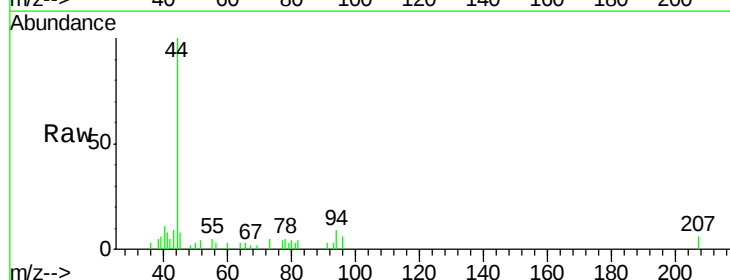
Acq: 16 Dec 2020 08:03

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

94 100

96 33.0 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

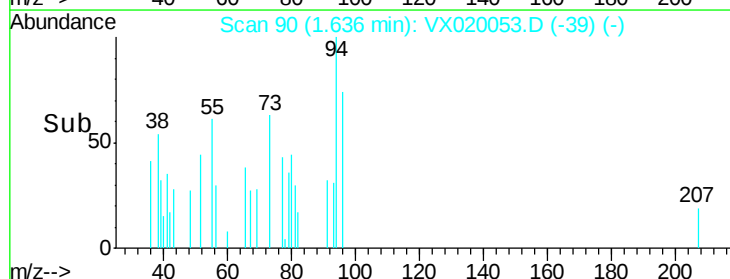
150

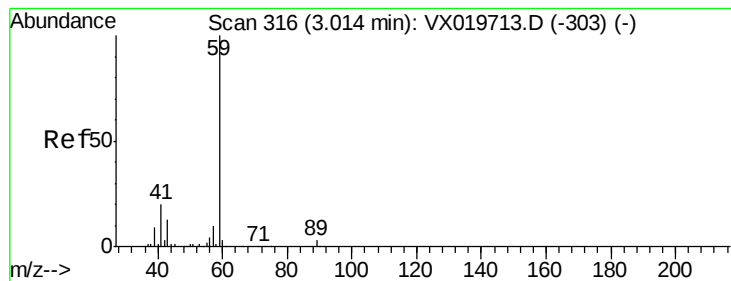
100

50

0

Time-->



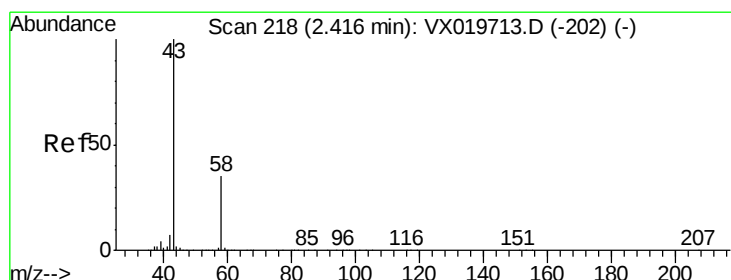
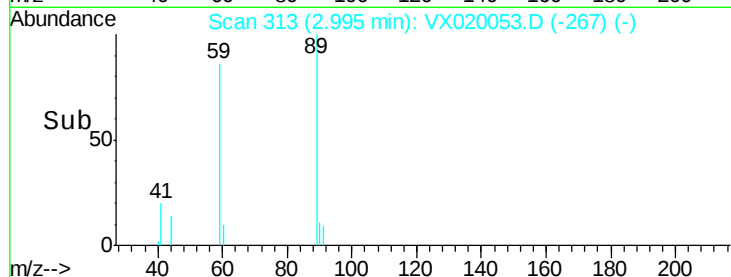
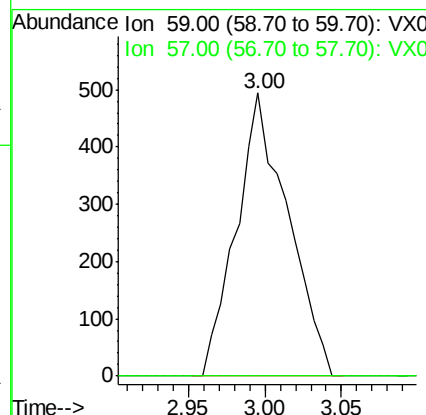
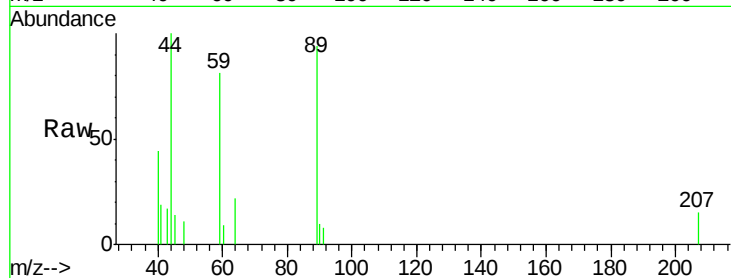


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX020053.D
 Acq: 16 Dec 2020 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-TOP

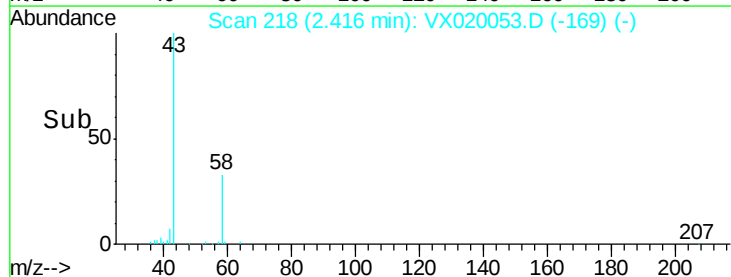
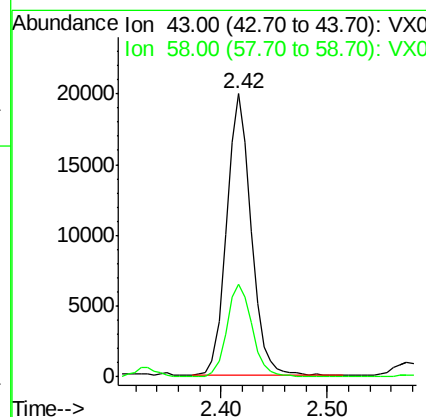
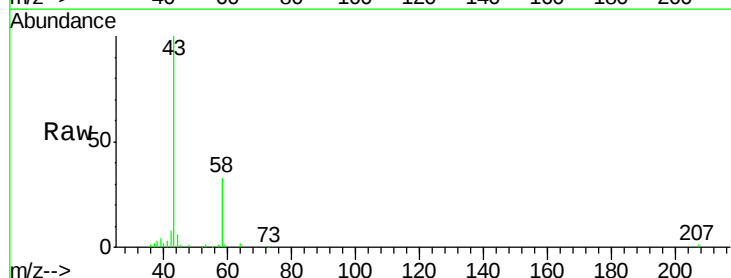
Tgt Ion: 59 Resp: 1158
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

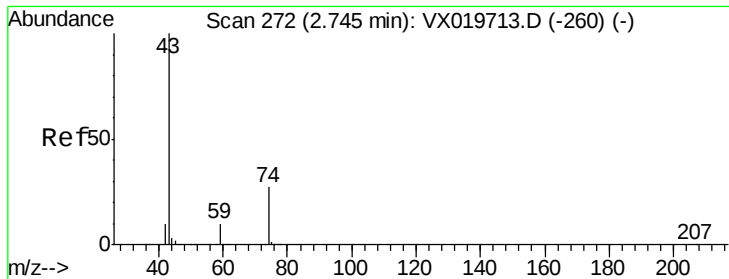


#16

Acetone
 Concen: 21.243 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX020053.D
 Acq: 16 Dec 2020 08:03

Tgt Ion: 43 Resp: 32184
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.8 41.8

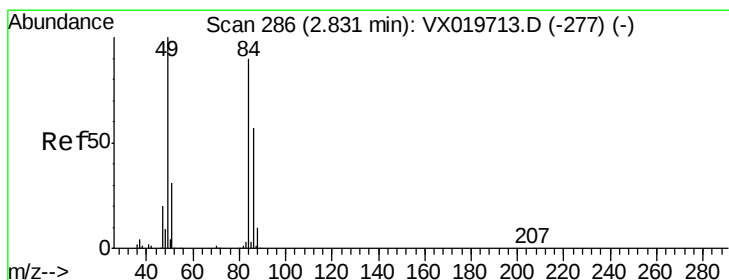
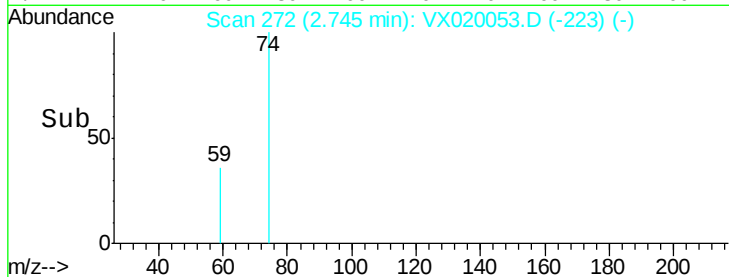
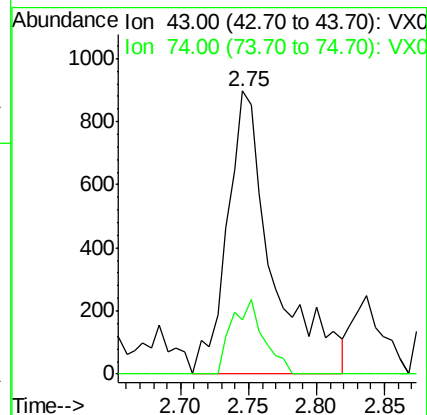
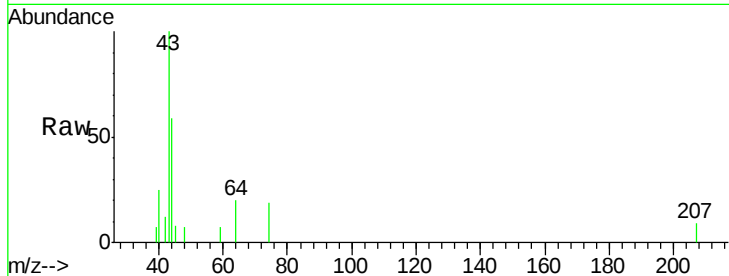




#18
Methyl Acetate
Concen: 0.565 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

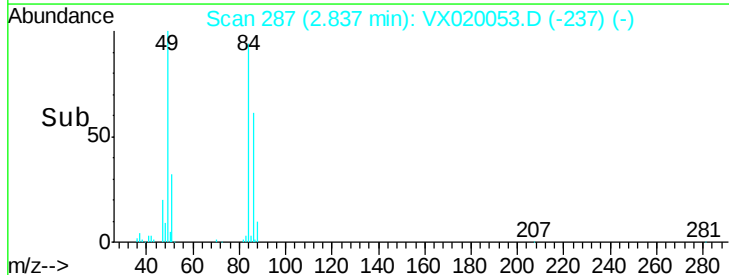
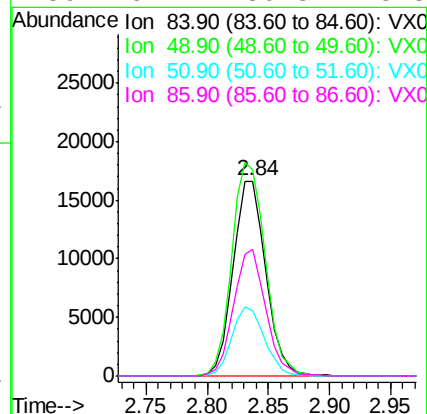
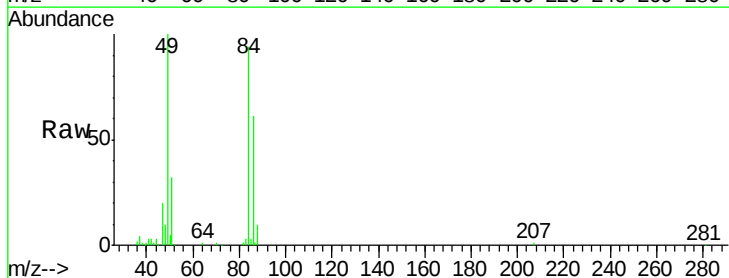
Instrument :
MSVOA_X
ClientSampled :
TR3-C-TOP

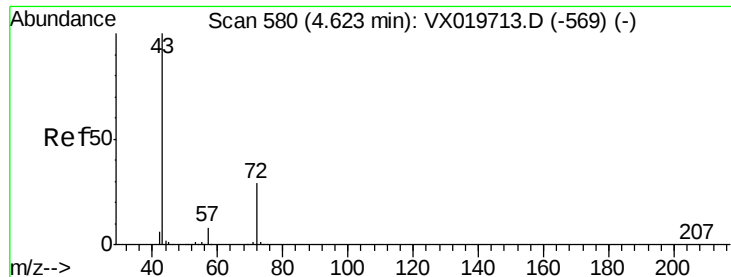
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
74 18.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.664 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

Tgt Ion: 84 Resp: 30674
Ion Ratio Lower Upper
84 100
49 105.9 88.6 132.8
51 33.4 27.0 40.6
86 64.7 50.3 75.5

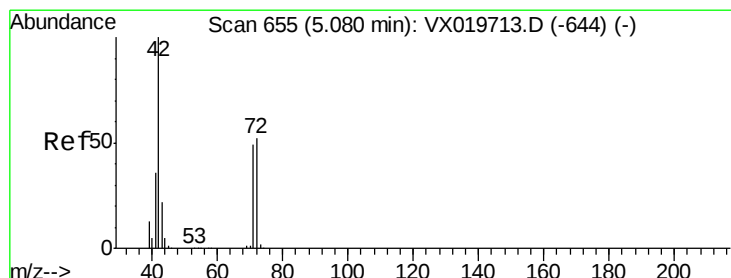
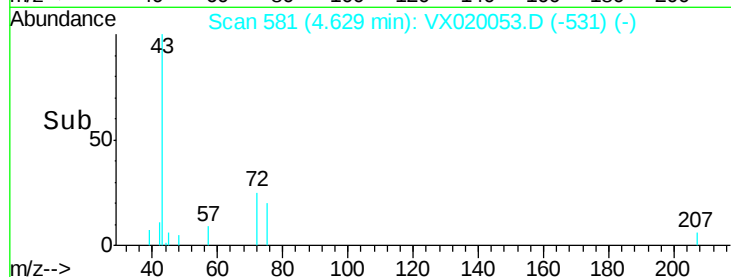
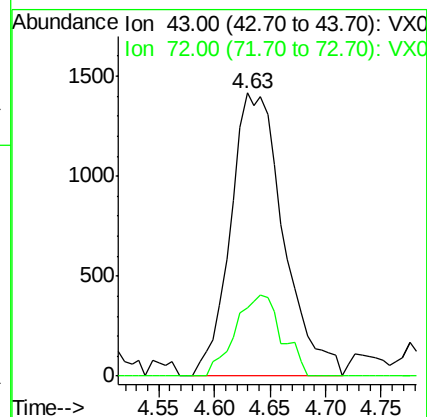
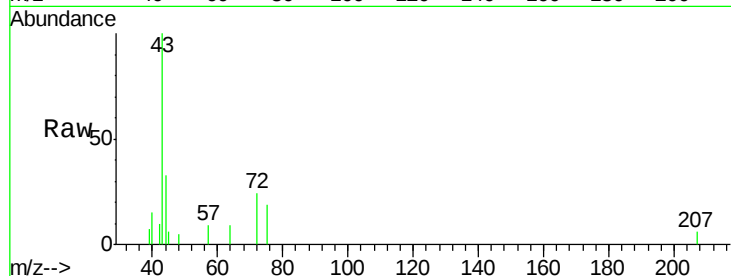




#25
2-Butanone
Concen: 2.005 ug/l
RT: 4.63 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

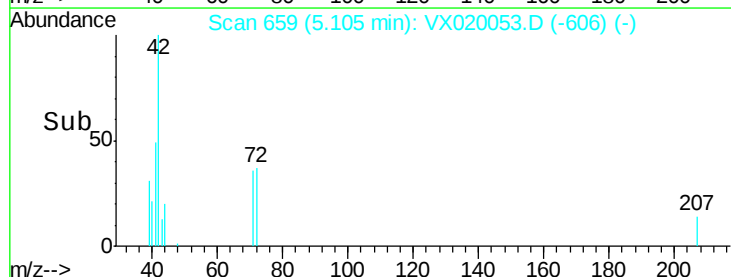
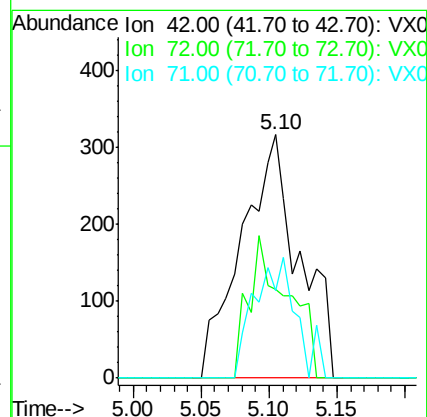
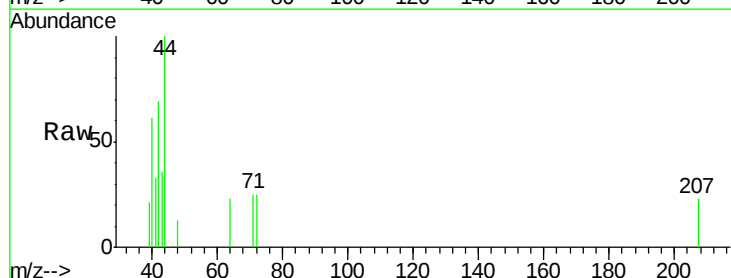
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

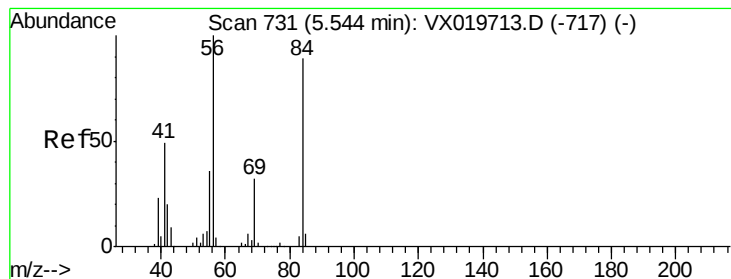
Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
72 24.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.624 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

Tgt Ion: 42 Resp: 936
Ion Ratio Lower Upper
42 100
72 39.9 41.7 62.5#
71 35.8 38.4 57.6#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampled :

TR3-C-TOP

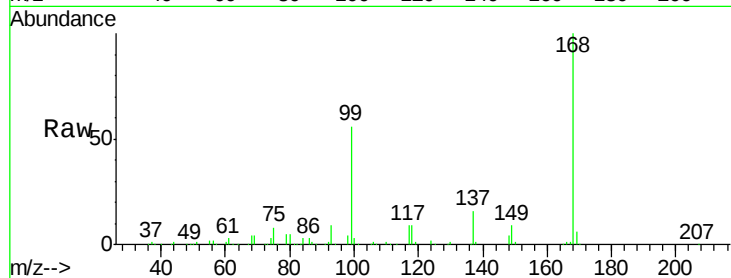
Tgt Ion: 56 Resp: 5891

Ion Ratio Lower Upper

56 100

69 177.2 25.3 37.9#

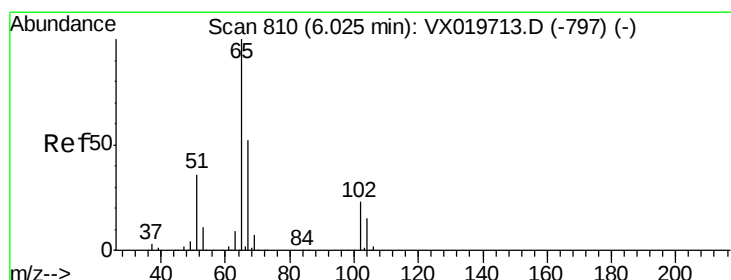
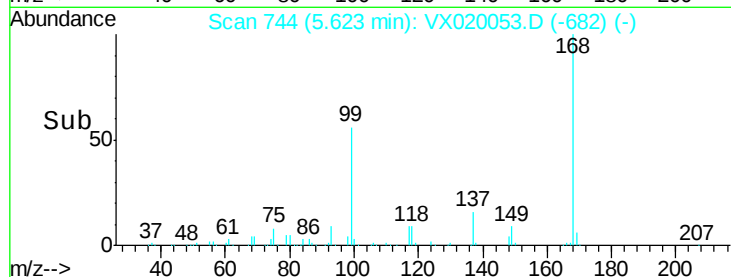
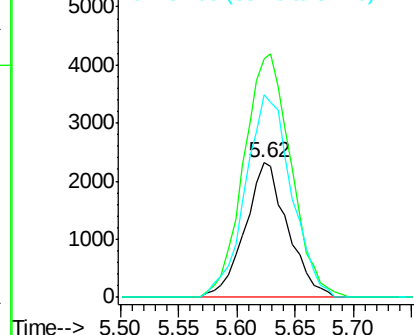
84 150.9 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.467 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX020053.D

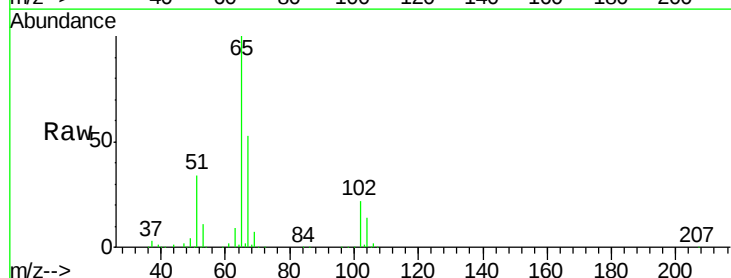
Acq: 16 Dec 2020 08:03

Tgt Ion: 65 Resp: 199391

Ion Ratio Lower Upper

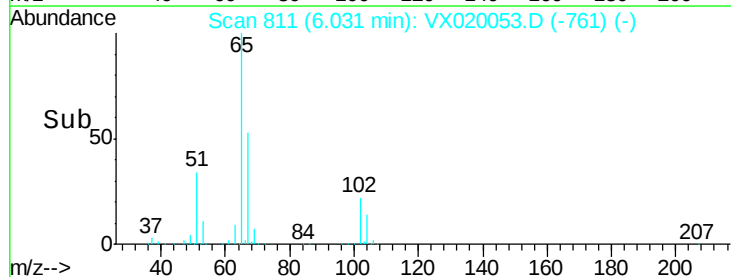
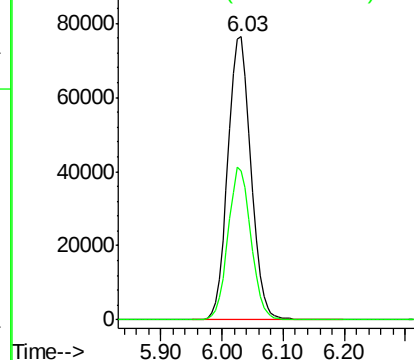
65 100

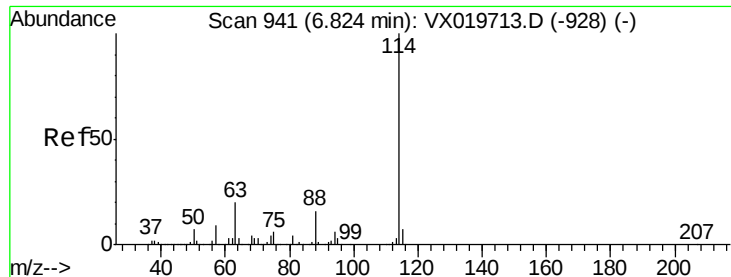
67 53.4 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampled :

TR3-C-TOP

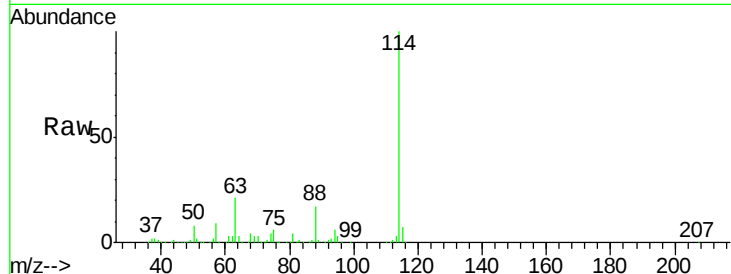
Tgt Ion:114 Resp: 507015

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

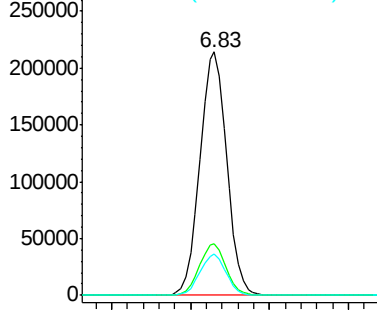
88 17.0 0.0 32.8



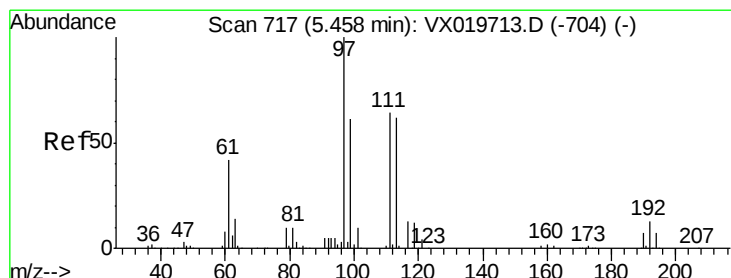
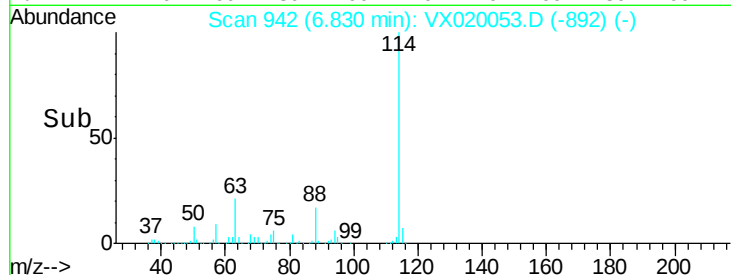
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->



#35

Dibromofluoromethane

Concen: 49.033 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

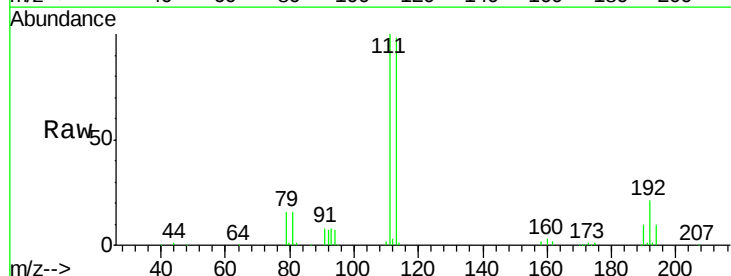
Tgt Ion:113 Resp: 160669

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

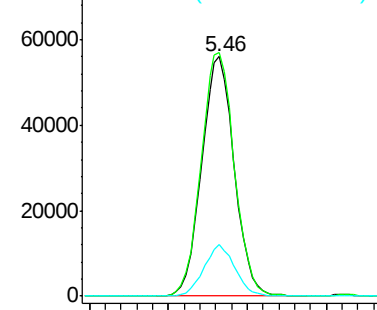
192 20.6 16.7 25.1



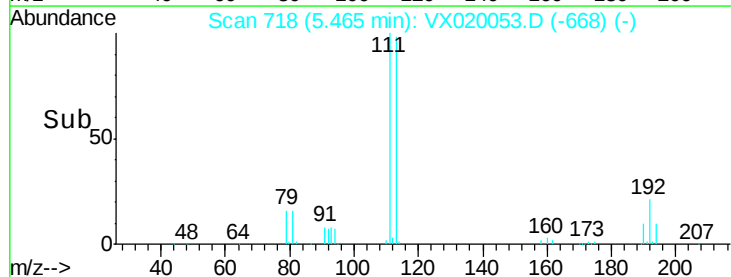
Abundance Ion 112.80 (112.50 to 113.50): V

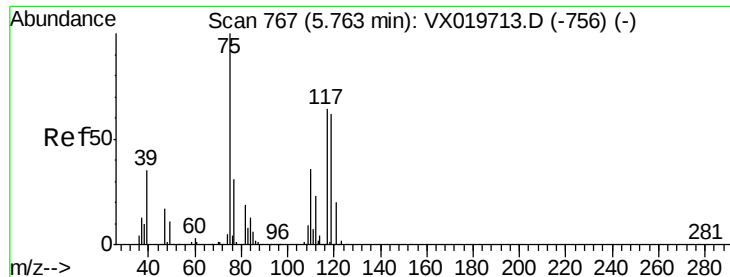
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampled :

TR3-C-TOP

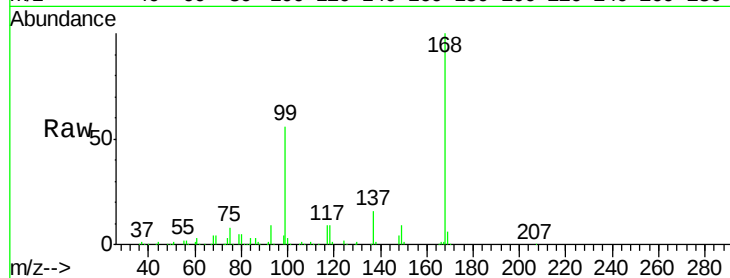
Tgt Ion: 75 Resp: 23052

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

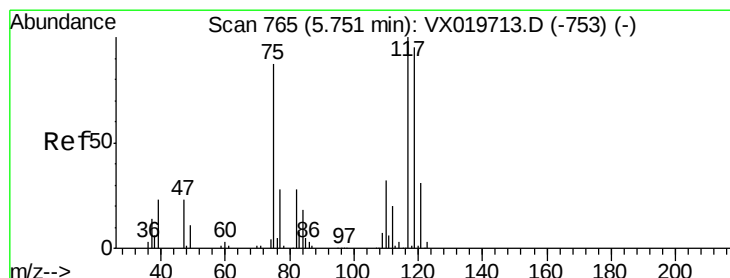
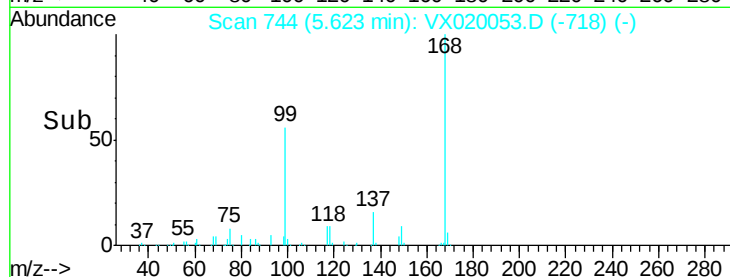
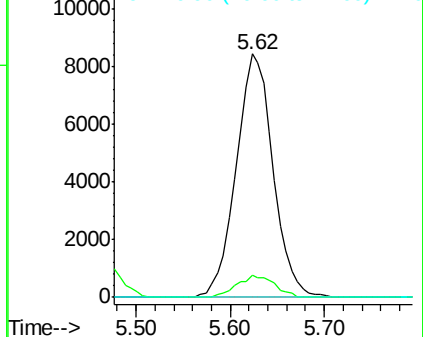
77 0.0 25.3 37.9#



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: 6.649 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

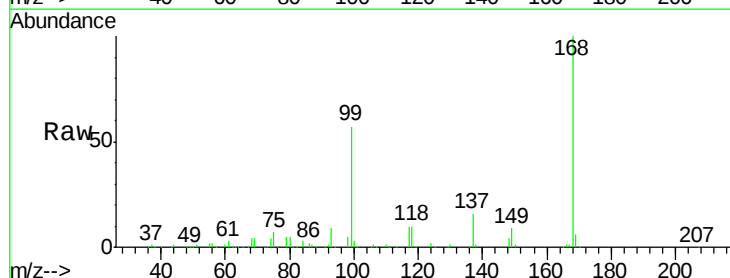
Tgt Ion: 117 Resp: 29829

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

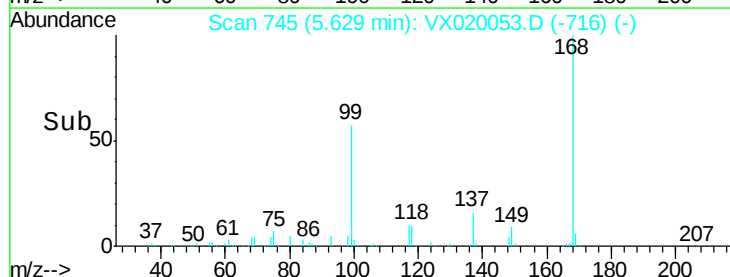
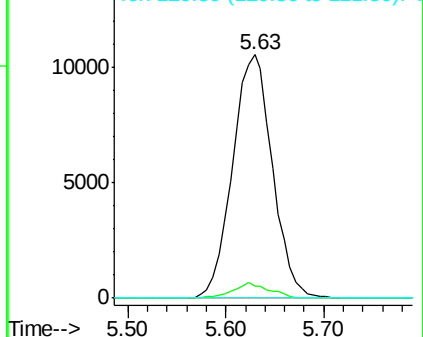
121 0.0 24.8 37.2#

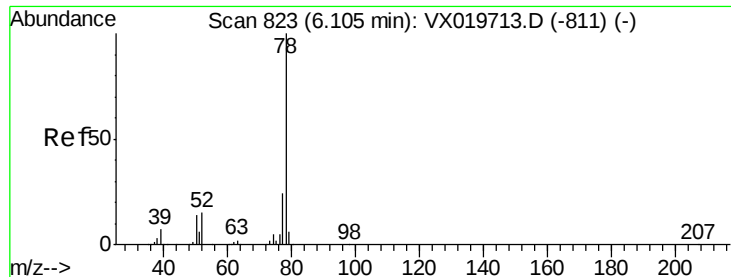


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.281 ug/l

RT: 6.10 min Scan# 823

Delta R.T. 0.00 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

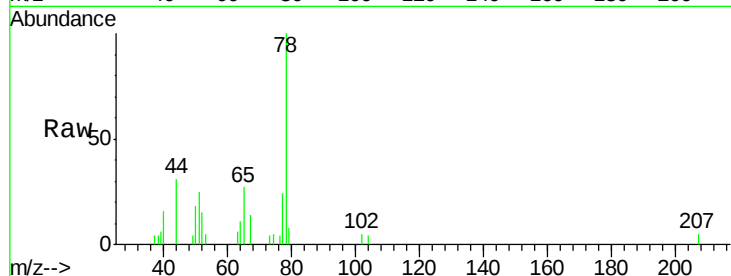
TR3-C-TOP

Tgt Ion: 78 Resp: 3936

Ion Ratio Lower Upper

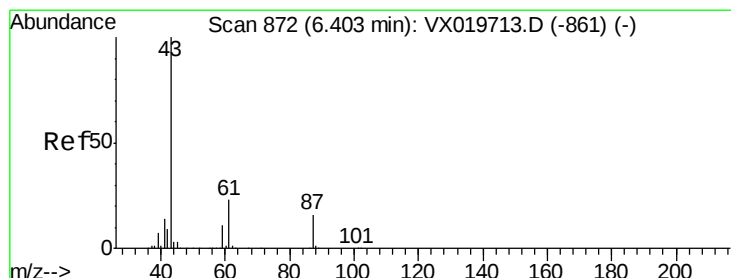
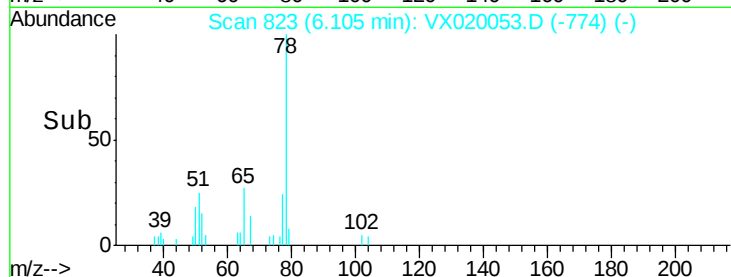
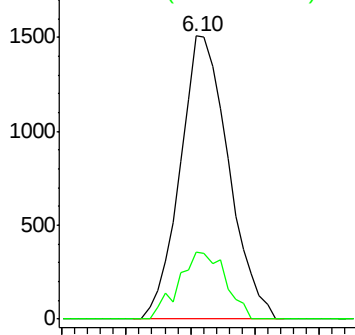
78 100

77 23.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 2.902 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

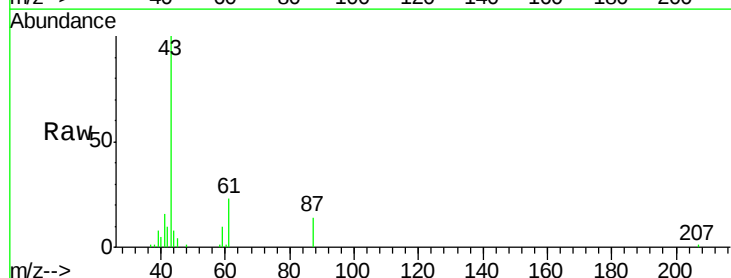
Tgt Ion: 43 Resp: 21827

Ion Ratio Lower Upper

43 100

61 21.6 18.2 27.4

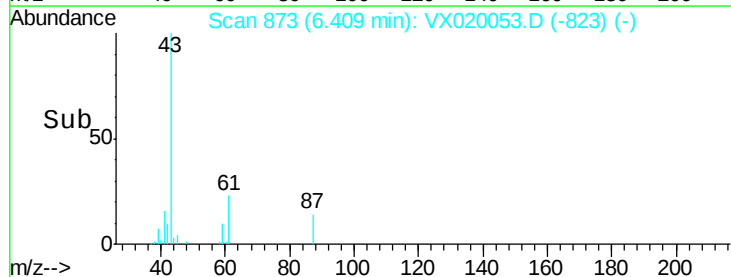
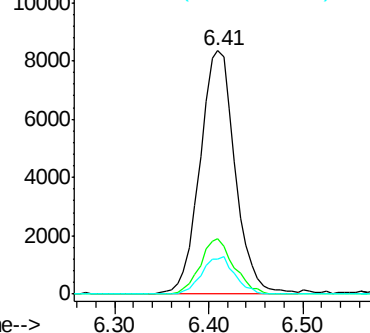
87 14.2 12.5 18.7

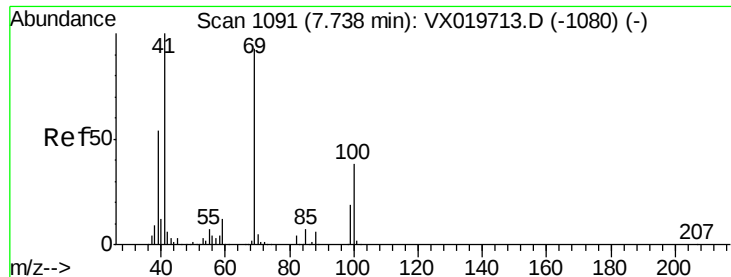


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

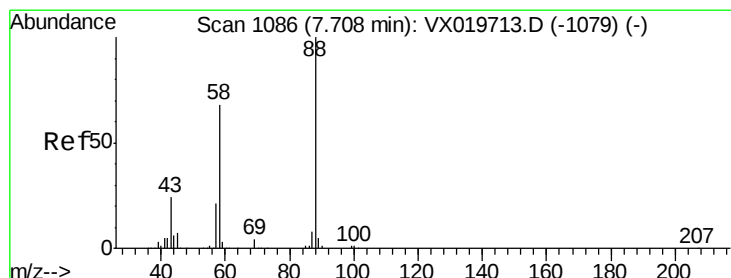
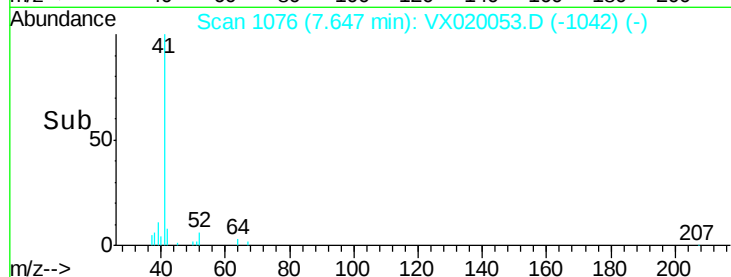
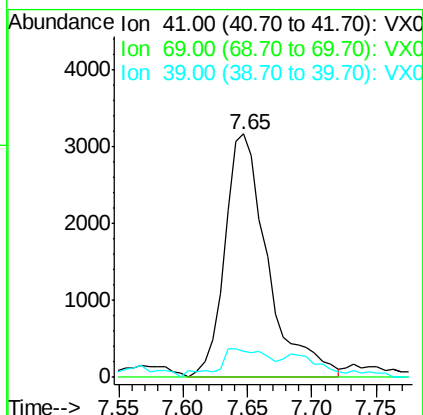
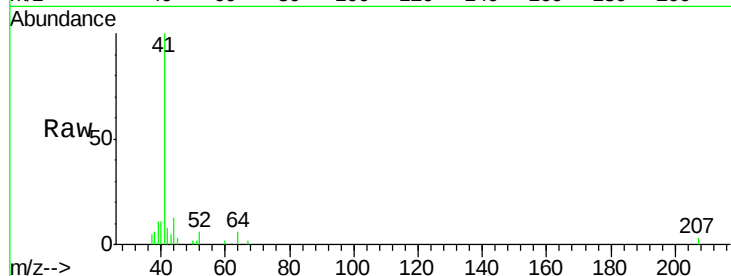




#48
Methyl methacrylate
Concen: 1.991 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

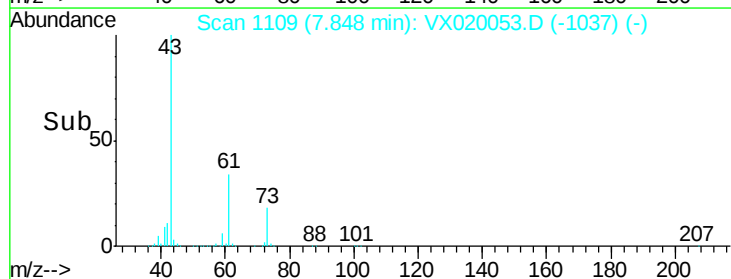
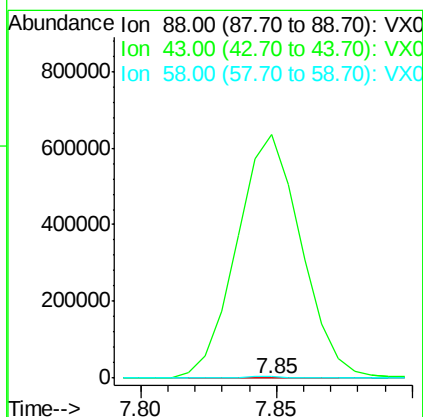
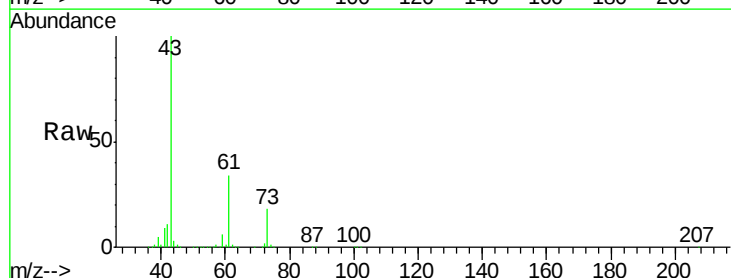
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

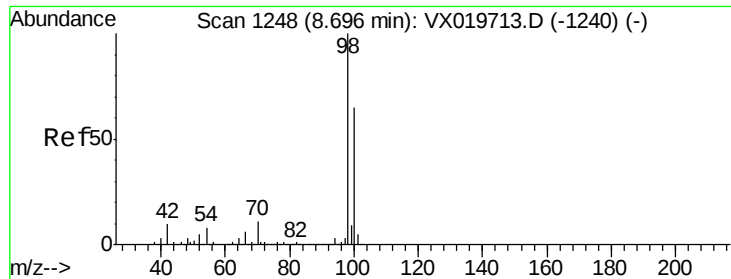
Tgt Ion: 41 Resp: 7366
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.500 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX020053.D
Acq: 16 Dec 2020 08:03

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 470174.6 23.2 34.8#
58 2656.3 55.0 82.4#





#50

Toluene-d8

Concen: 51.011 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

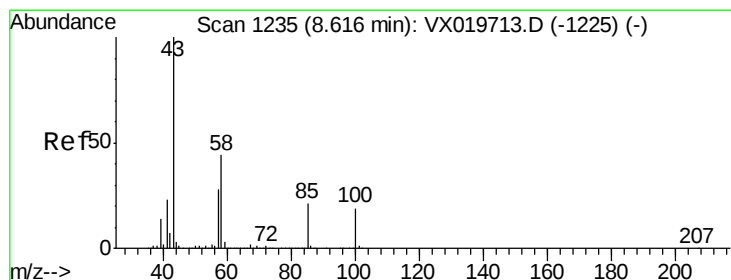
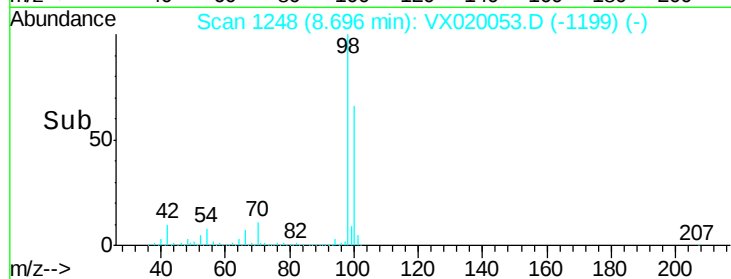
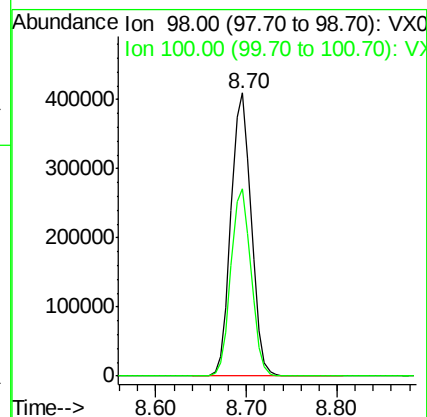
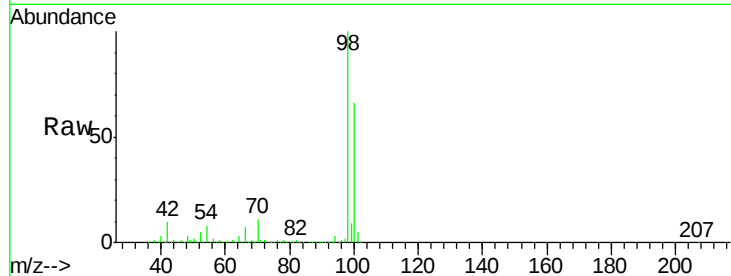
TR3-C-TOP

Tgt Ion: 98 Resp: 638138

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 17.610 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020053.D

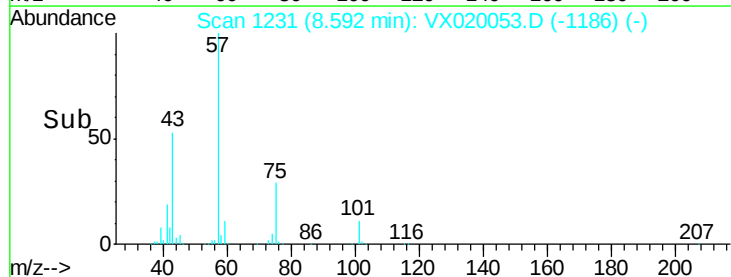
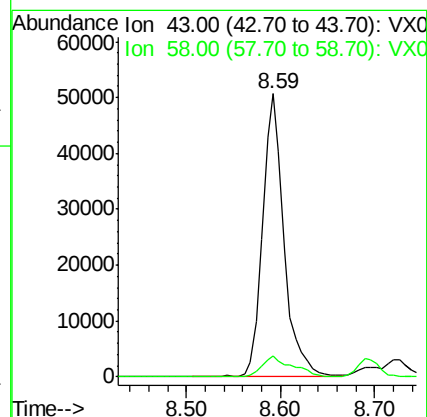
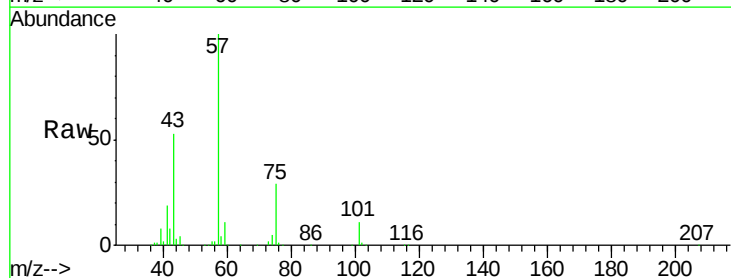
Acq: 16 Dec 2020 08:03

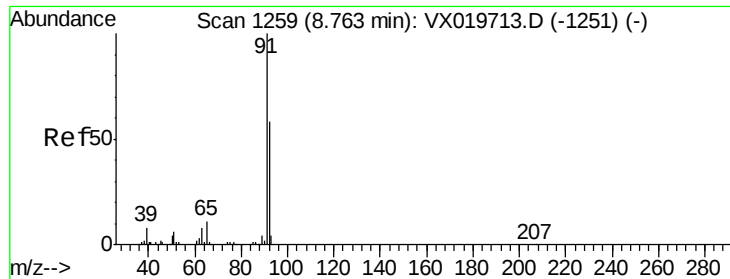
Tgt Ion: 43 Resp: 80859

Ion Ratio Lower Upper

43 100

58 10.3 35.4 53.0#





#52

Toluene

Concen: 0.352 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

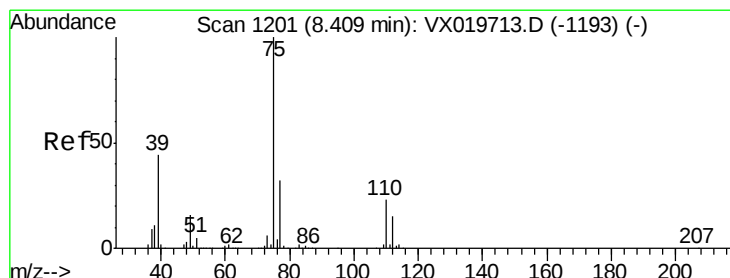
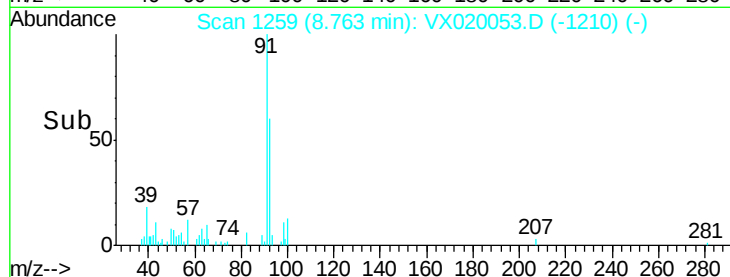
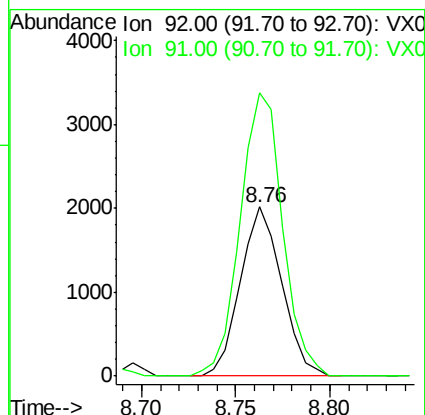
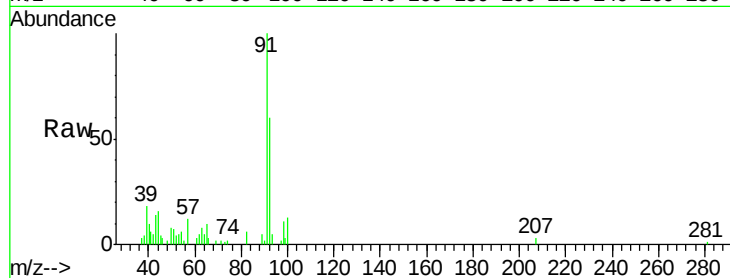
TR3-C-TOP

Tgt Ion: 92 Resp: 3081

Ion Ratio Lower Upper

92 100

91 171.1 137.1 205.7



#54

cis-1,3-Dichloropropene

Concen: 7.416 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

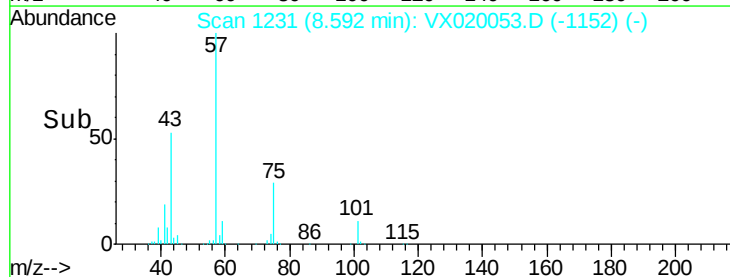
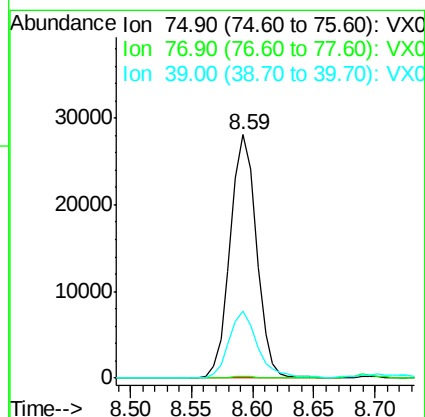
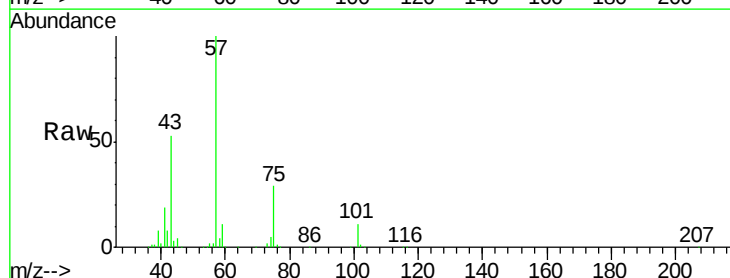
Tgt Ion: 75 Resp: 41905

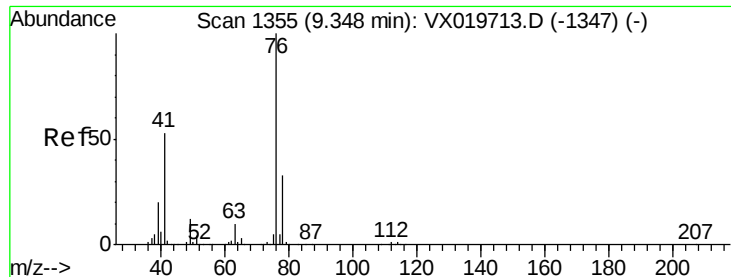
Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 27.6 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 3.734 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

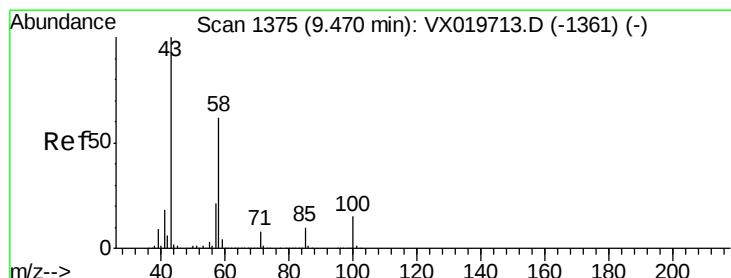
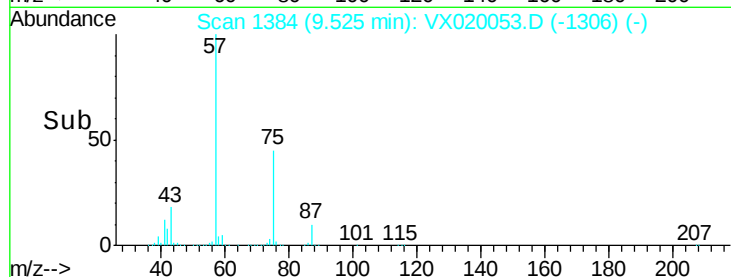
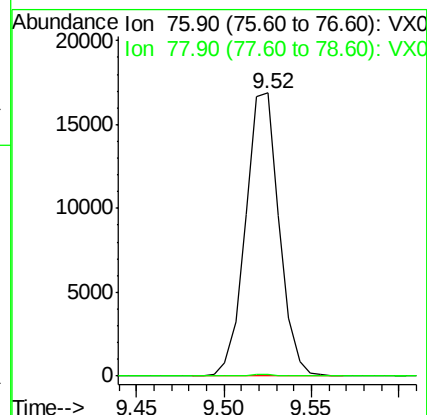
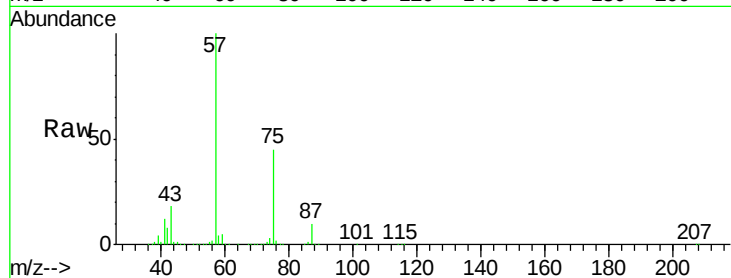
TR3-C-TOP

Tgt Ion: 76 Resp: 22491

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 76.858 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX020053.D

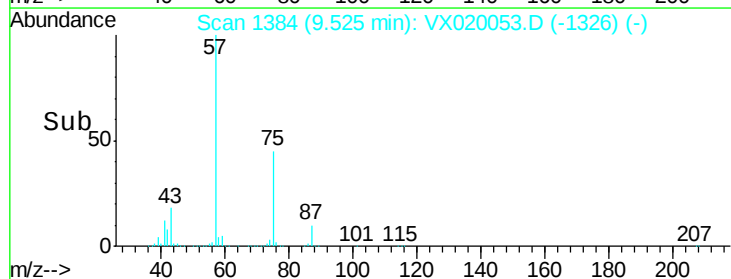
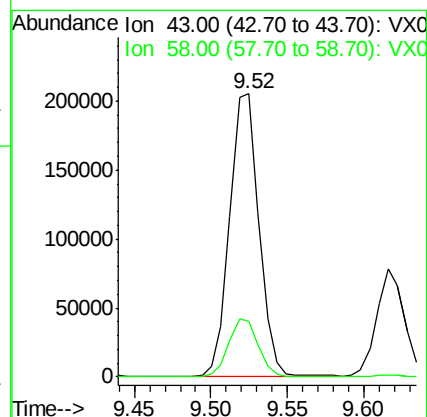
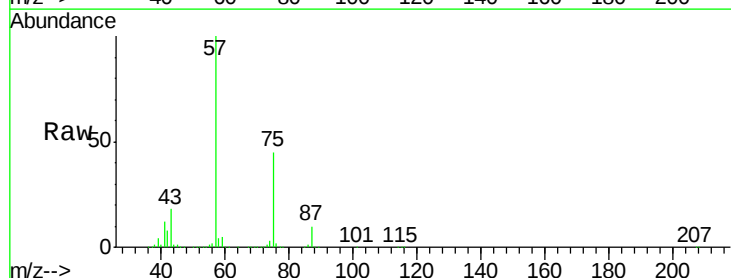
Acq: 16 Dec 2020 08:03

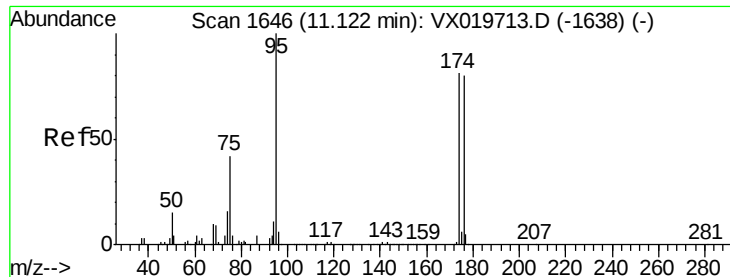
Tgt Ion: 43 Resp: 273546

Ion Ratio Lower Upper

43 100

58 20.4 30.9 92.8#





#62

4-Bromofluorobenzene

Concen: 46.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

TR3-C-TOP

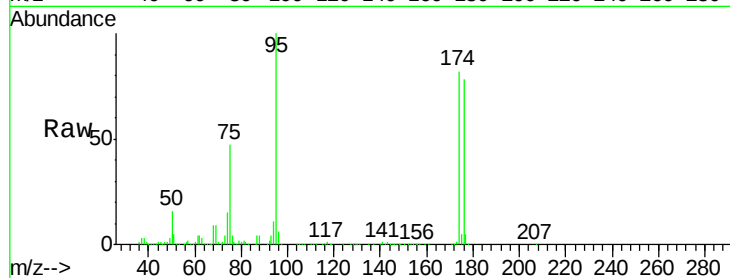
Tgt Ion: 95 Resp: 221546

Ion Ratio Lower Upper

95 100

174 77.7 0.0 154.6

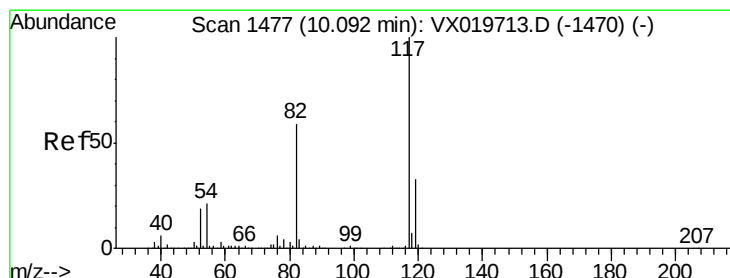
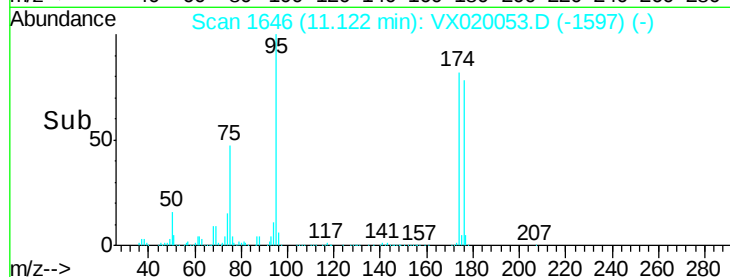
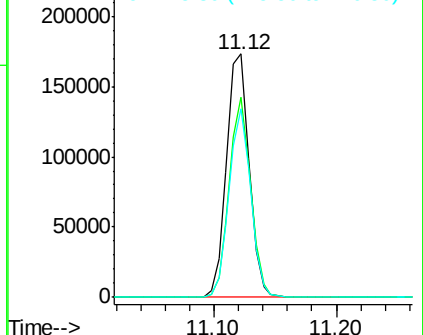
176 74.0 0.0 155.8



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: VX020053.D

Acq: 16 Dec 2020 08:03

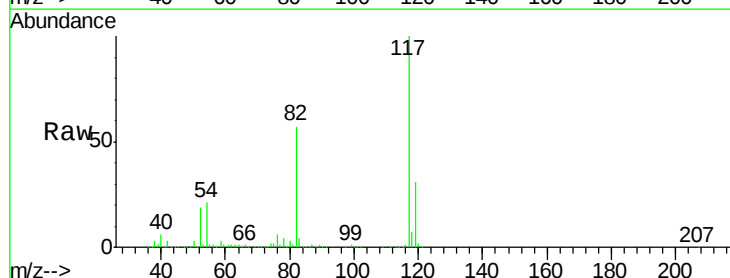
Tgt Ion: 117 Resp: 486910

Ion Ratio Lower Upper

117 100

82 57.0 47.4 71.2

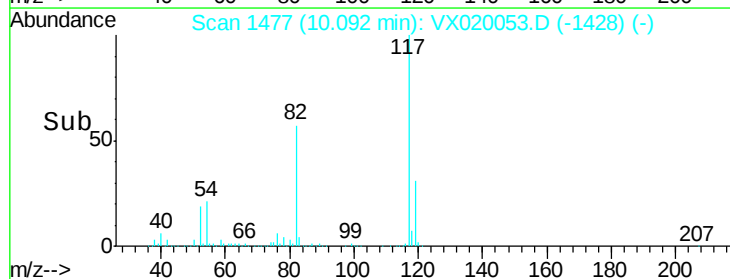
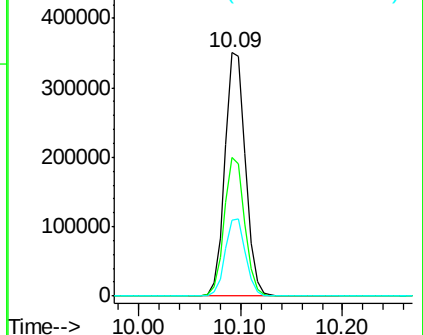
119 31.3 26.6 39.8

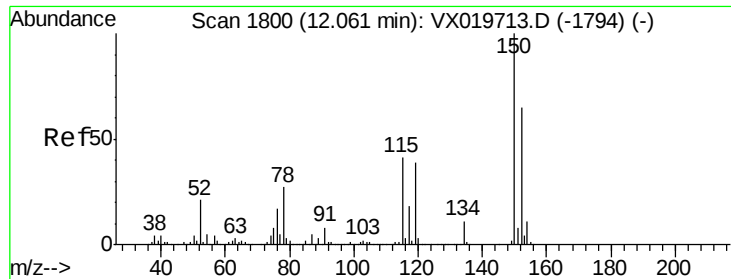


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

TR3-C-TOP

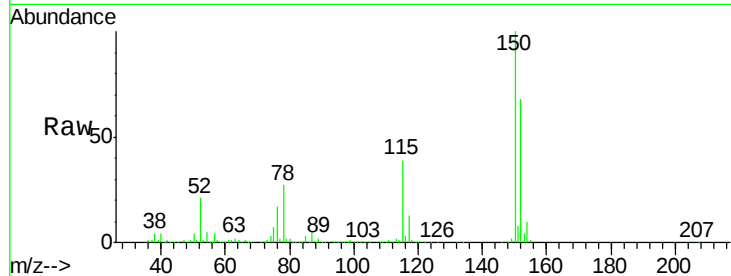
Tgt Ion:152 Resp: 208678

Ion Ratio Lower Upper

152 100

115 59.2 41.1 123.3

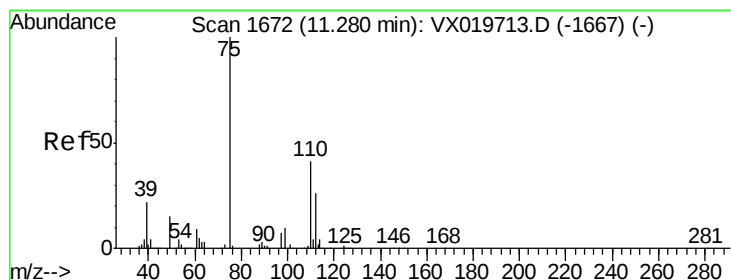
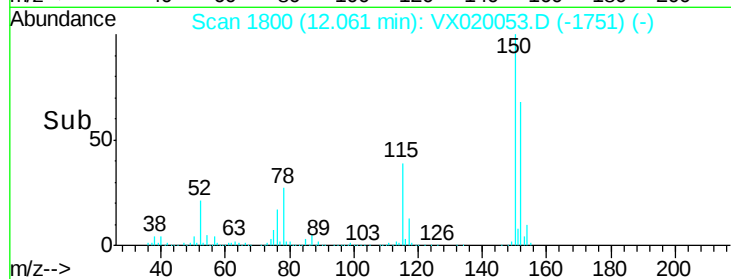
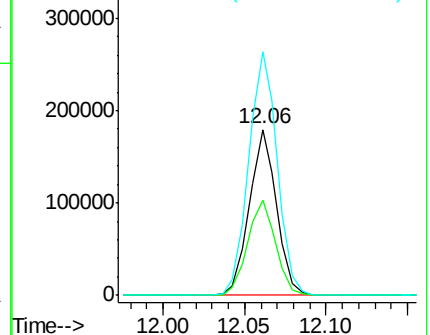
150 154.4 0.0 349.0



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: 22.995 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020053.D

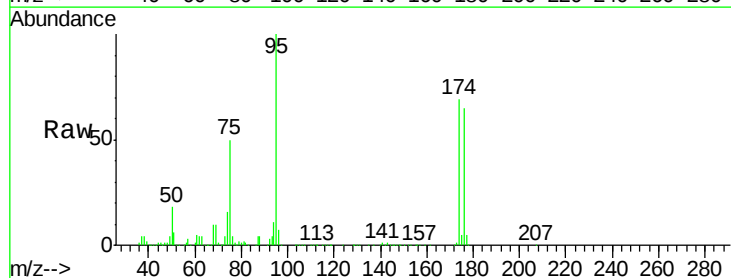
Acq: 16 Dec 2020 08:03

Tgt Ion: 75 Resp: 107623

Ion Ratio Lower Upper

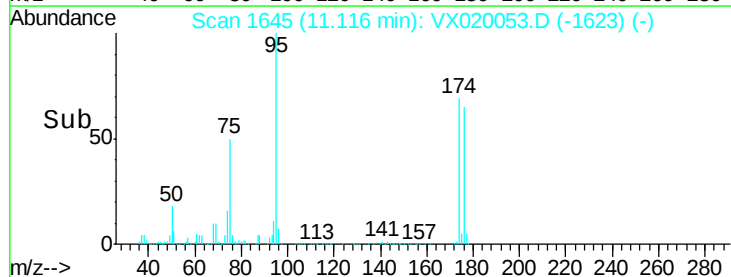
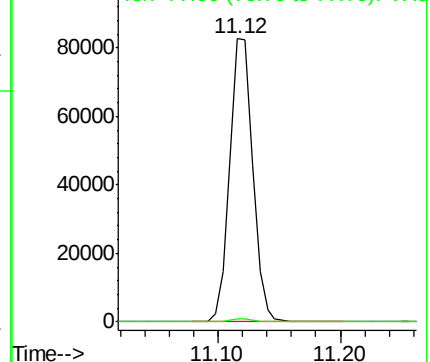
75 100

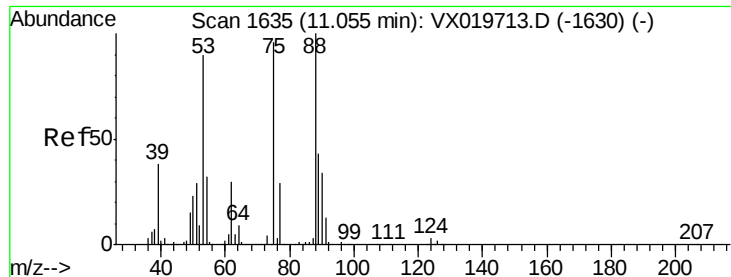
77 1.2 19.1 57.5#



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: 66.474 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020053.D

Acq: 16 Dec 2020 08:03

Instrument :

MSVOA_X

ClientSampleId :

TR3-C-TOP

Tgt Ion: 75 Resp: 107623

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

