

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019818.D
 Acq On : 10 Dec 2020 12:24
 Operator : JC/MD
 Sample : L4996-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20201207

Quant Time: Dec 11 00:49:44 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	328361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	548573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	496633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217210	50.00	ug/l	0.00

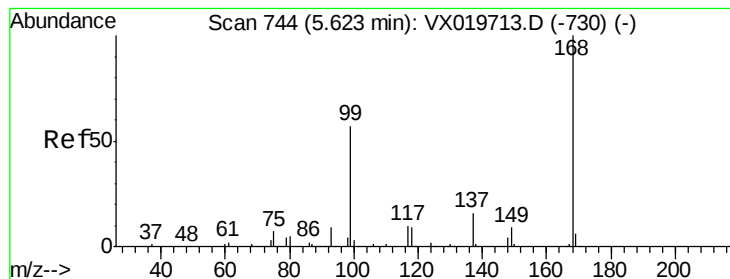
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	206435	47.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.66%		
35) Dibromofluoromethane	5.46	113	167507	47.25	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.50%		
50) Toluene-d8	8.70	98	652026	48.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.34%		
62) 4-Bromofluorobenzene	11.12	95	232449	45.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.24%		

Target Compounds

					Qvalue	
5) Bromomethane	1.63	94	815	0.658	ug/l #	74
11) Tert butyl alcohol	3.00	59	5772	3.934	ug/l #	74
16) Acetone	2.42	43	1083	0.668	ug/l	91
20) Methylene Chloride	2.84	84	866	Below Cal	#	82
31) Cyclohexane	5.63	56	6361	1.185	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24754	4.994	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32118	6.616	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	111596	22.907	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	111596	66.221	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

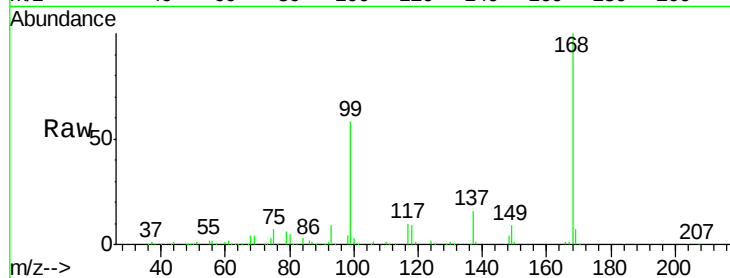
TB-20201207

Tgt Ion:168 Resp: 328361

Ion Ratio Lower Upper

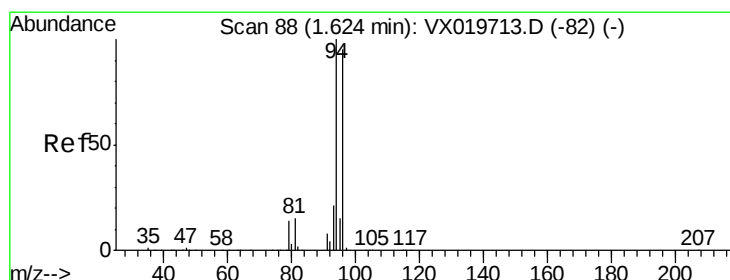
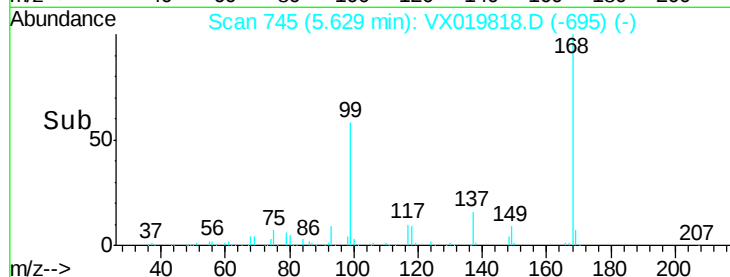
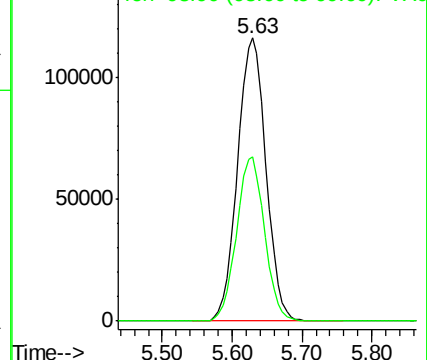
168 100

99 58.2 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: 0.658 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019818.D

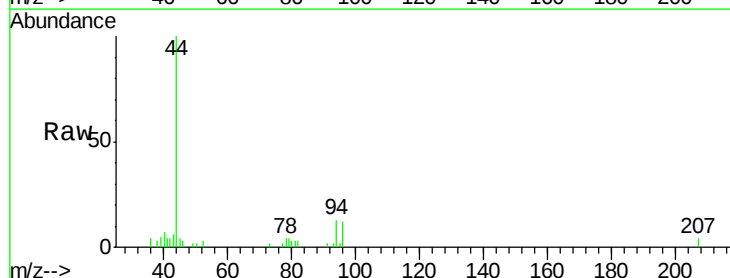
Acq: 10 Dec 2020 12:24

Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

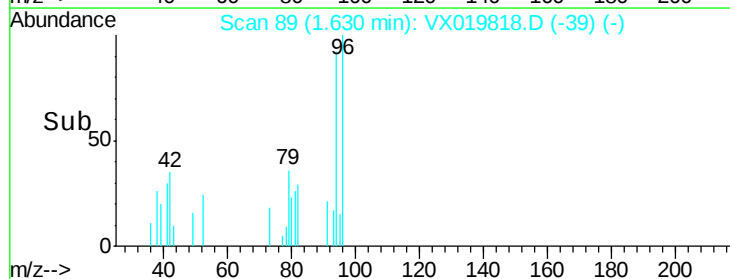
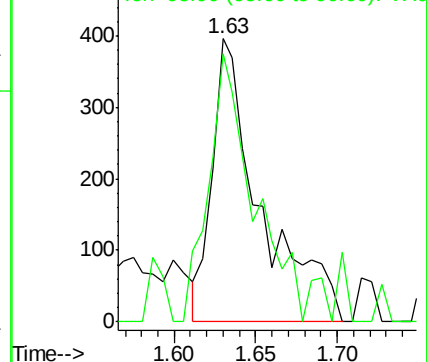
94 100

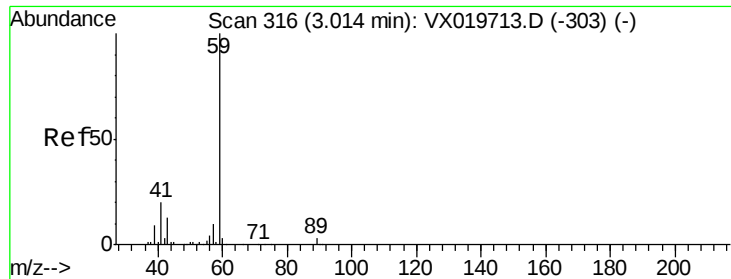
96 70.2 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

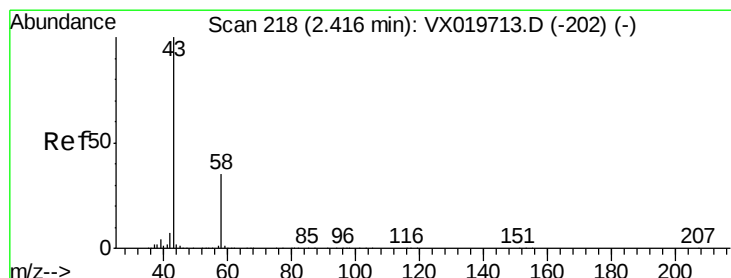
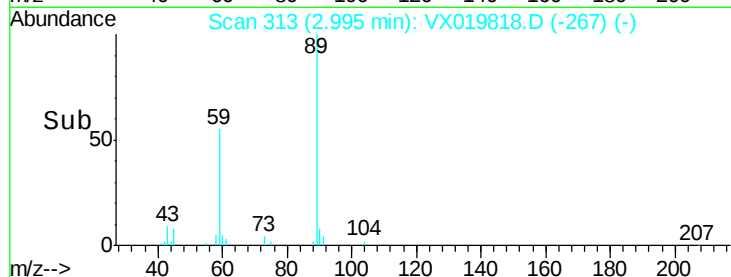
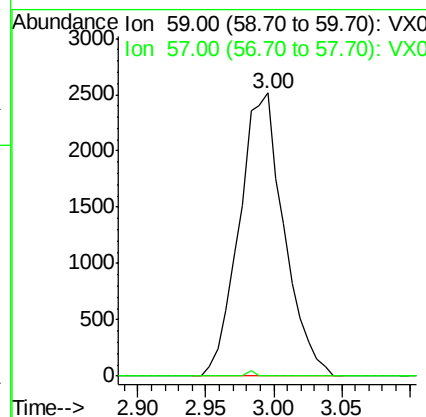
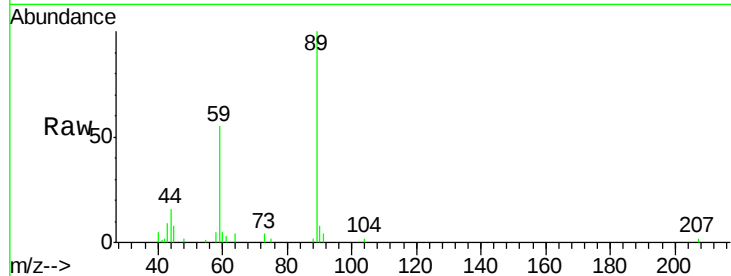




#11
Tert butyl alcohol
Concen: 3.934 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

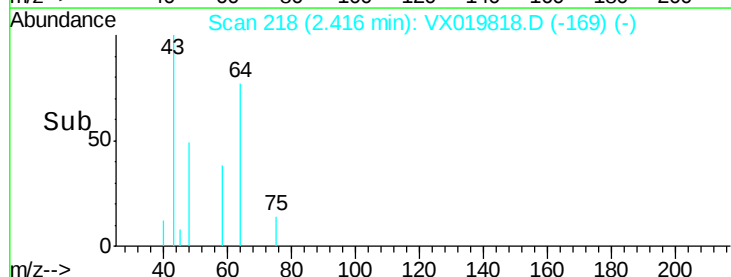
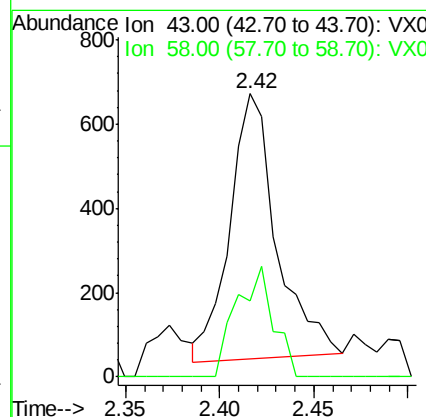
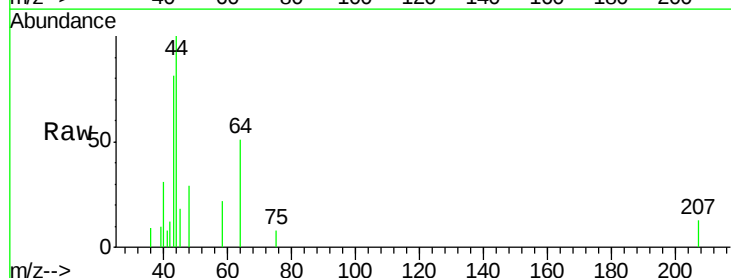
Instrument :
MSVOA_X
ClientSampleId :
TB-20201207

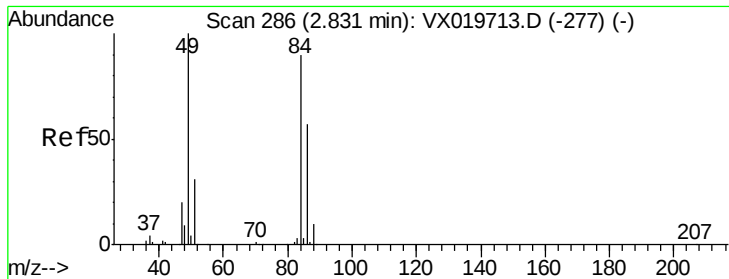
Tgt Ion: 59 Resp: 5772
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.8#



#16
Acetone
Concen: 0.668 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 29.3 27.8 41.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

TB-20201207

Tgt Ion: 84 Resp: 866

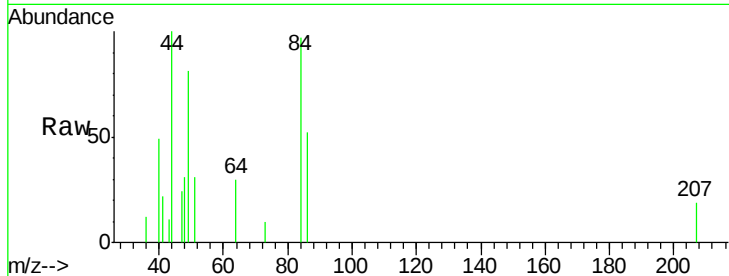
Ion Ratio Lower Upper

84 100

49 83.5 88.6 132.8#

51 32.3 27.0 40.6

86 53.3 50.3 75.5

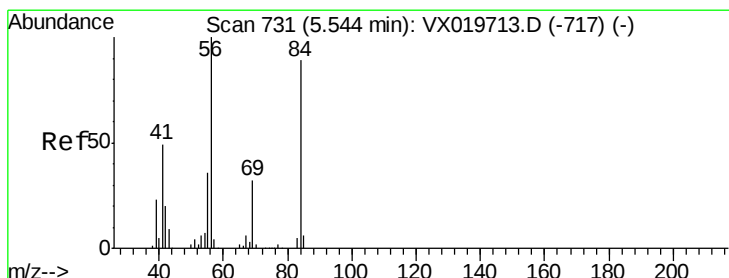
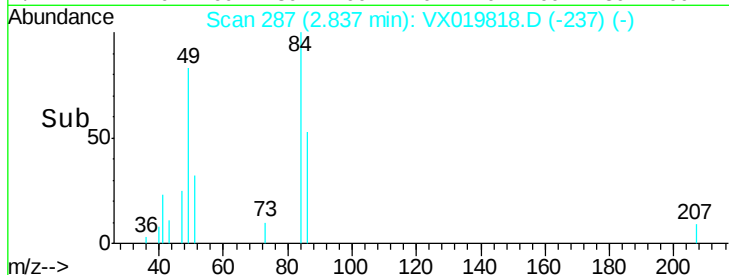
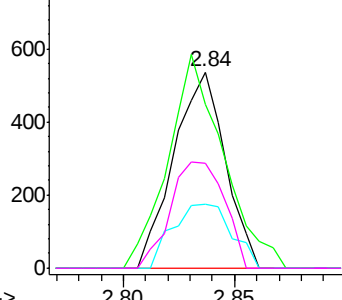


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

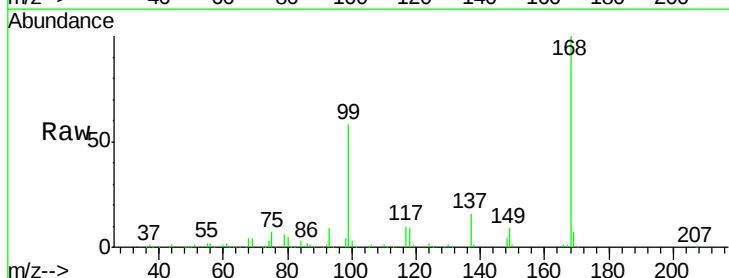
Tgt Ion: 56 Resp: 6361

Ion Ratio Lower Upper

56 100

69 181.0 25.3 37.9#

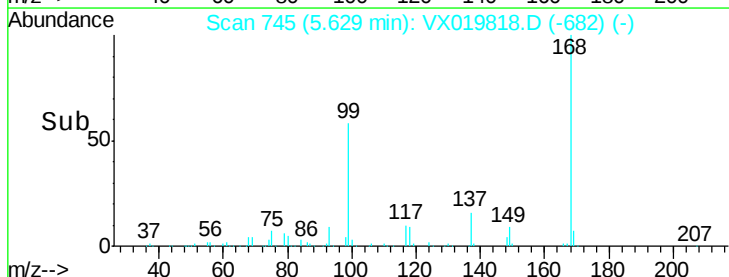
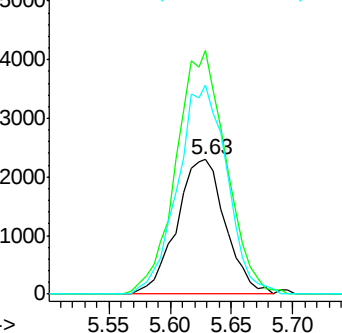
84 155.4 71.4 107.0#

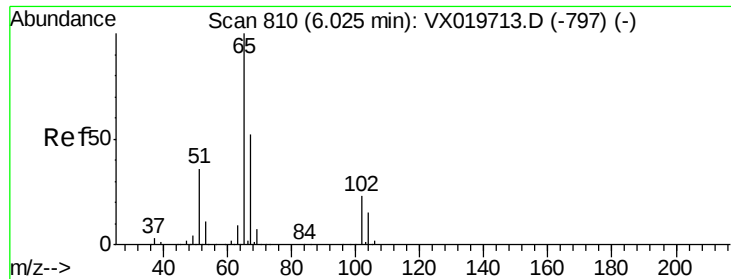


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.834 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

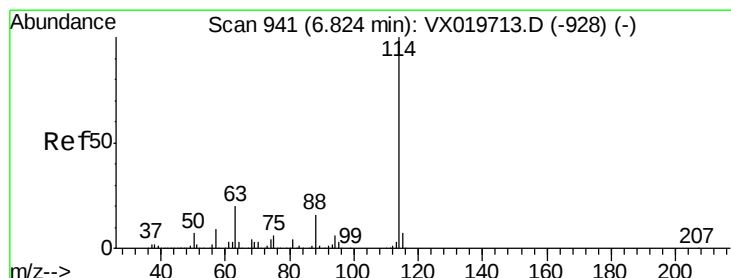
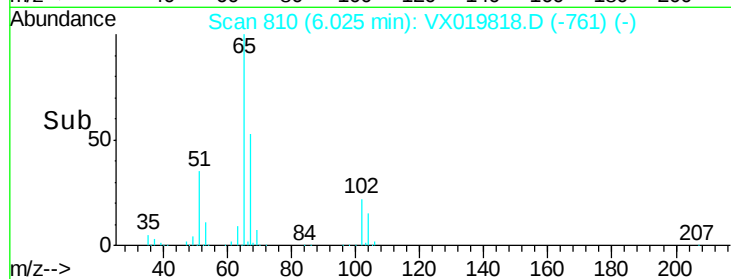
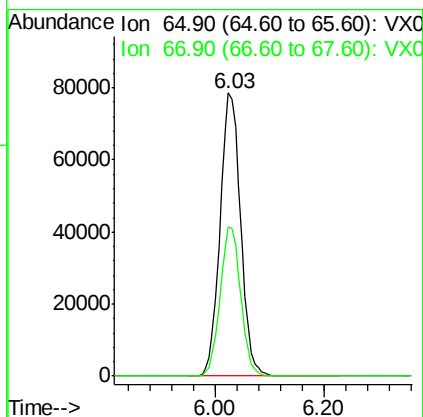
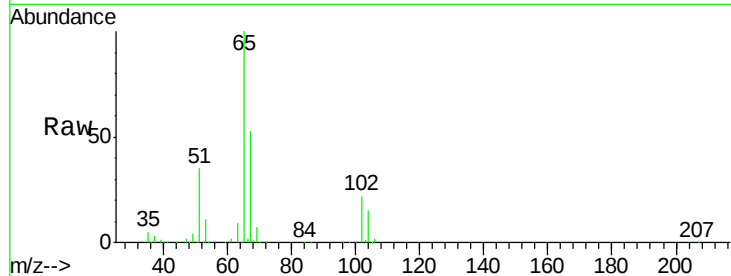
TB-20201207

Tgt Ion: 65 Resp: 206435

Ion Ratio Lower Upper

65 100

67 52.8 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: VX019818.D

Acq: 10 Dec 2020 12:24

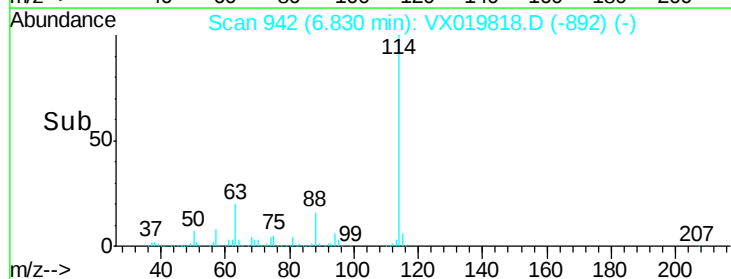
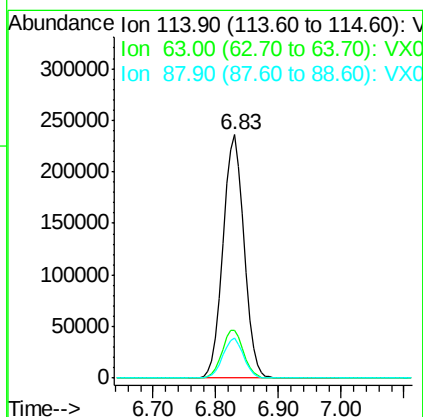
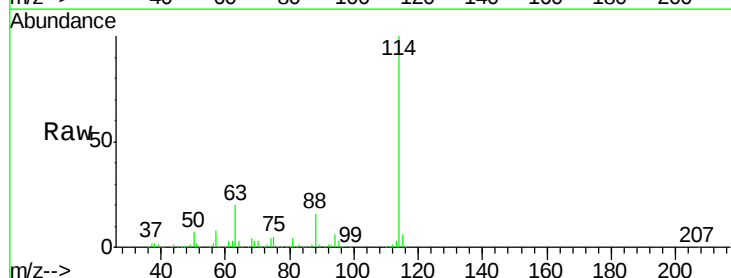
Tgt Ion: 114 Resp: 548573

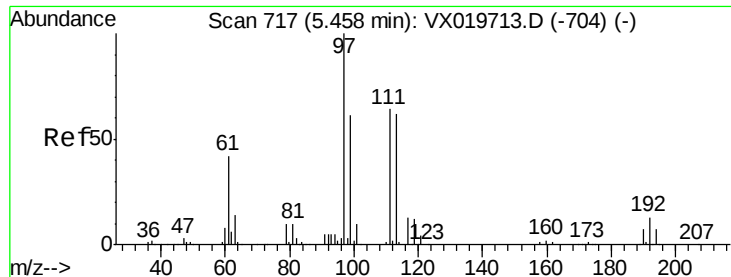
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.5 0.0 32.8

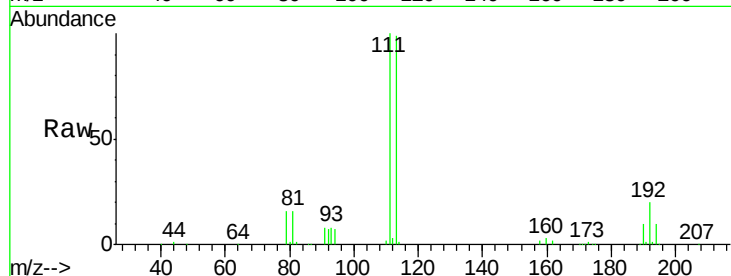




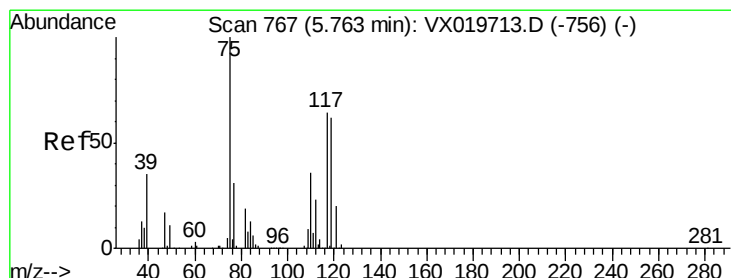
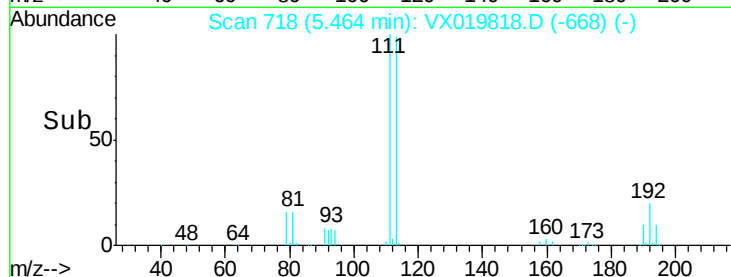
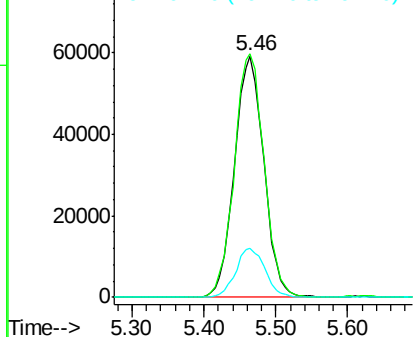
#35
Dibromofluoromethane
Concen: 47.247 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Instrument :
MSVOA_X
ClientSampleId :
TB-20201207

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	20.3	16.7	25.1

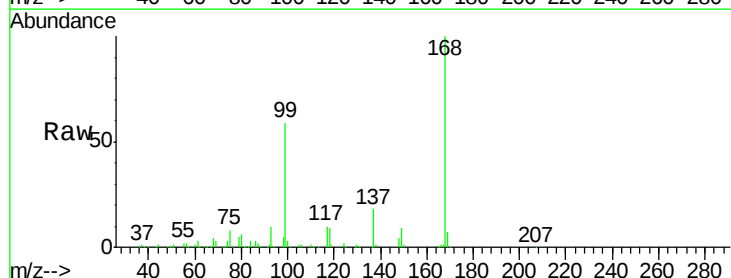


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

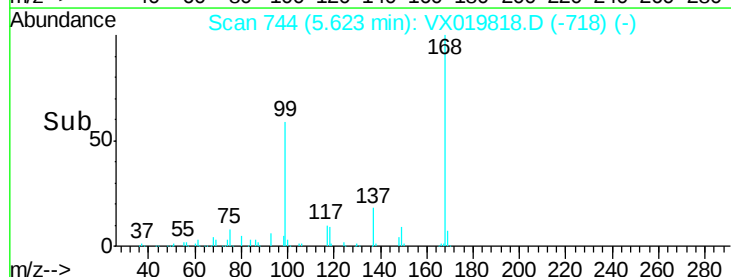
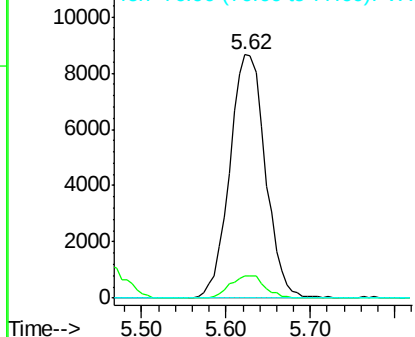


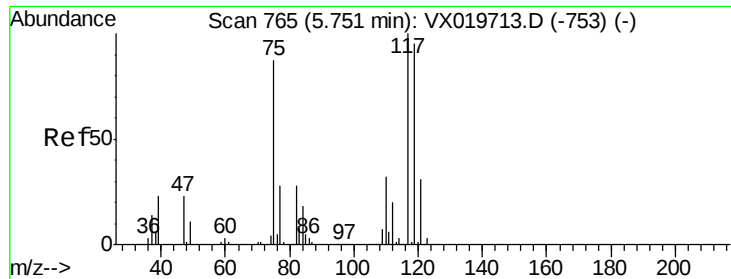
#36
1,1-Dichloropropene
Concen: 4.994 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.14 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	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

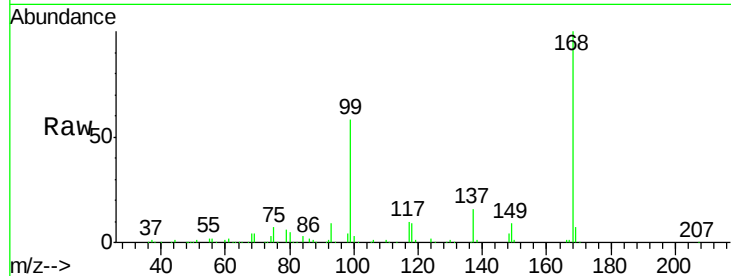




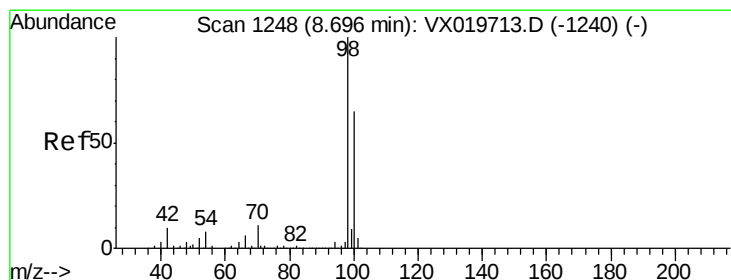
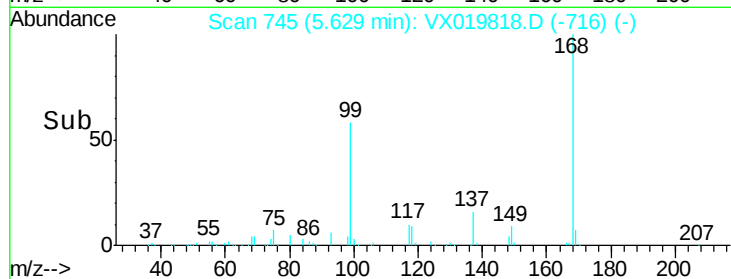
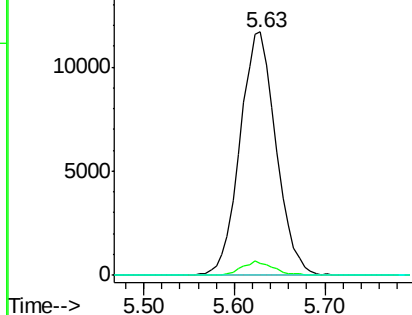
#38
Carbon Tetrachloride
Concen: 6.616 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Instrument :
MSVOA_X
ClientSampleId :
TB-20201207

Tgt Ion: 117 Resp: 32118
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

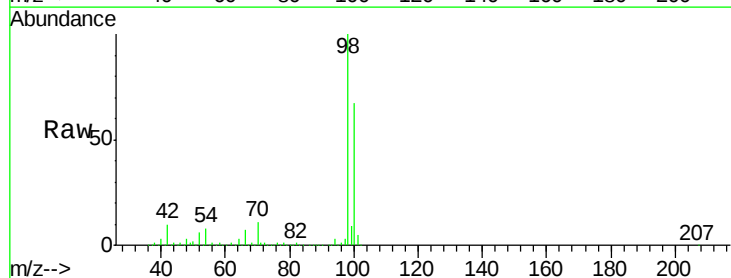


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

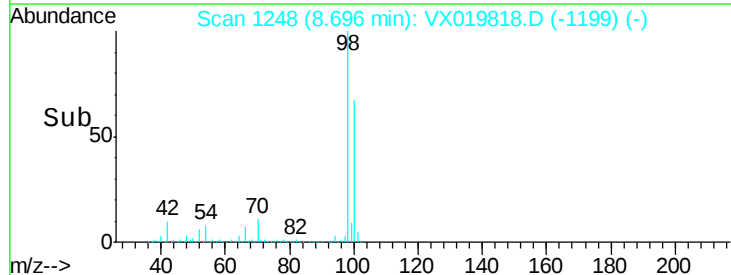
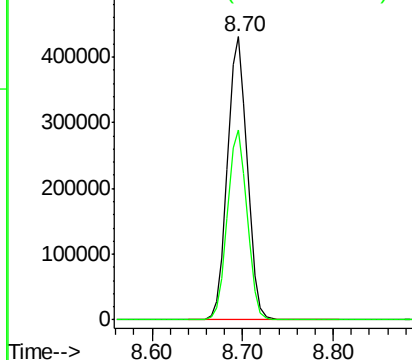


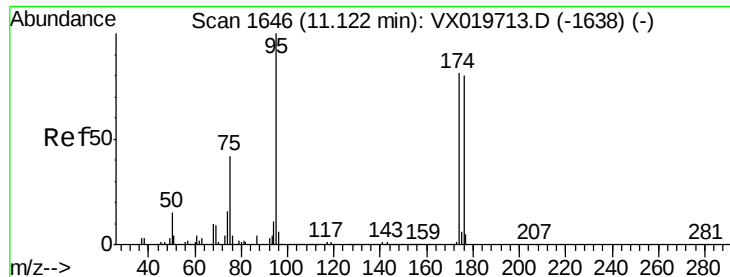
#50
Toluene-d8
Concen: 48.173 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Tgt Ion: 98 Resp: 652026
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.121 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

TB-20201207

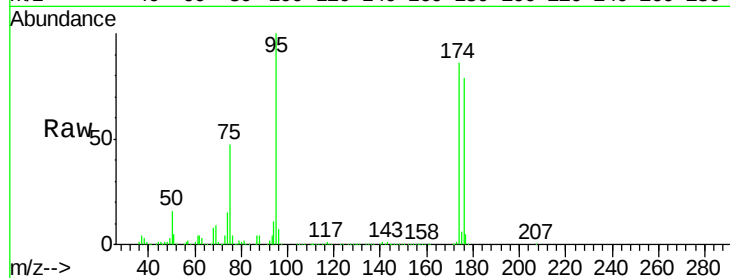
Tgt Ion: 95 Resp: 232449

Ion Ratio Lower Upper

95 100

174 79.9 0.0 154.6

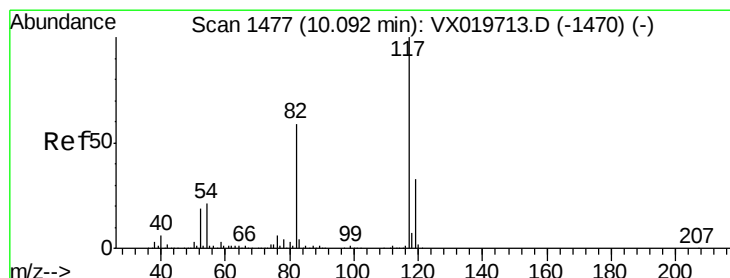
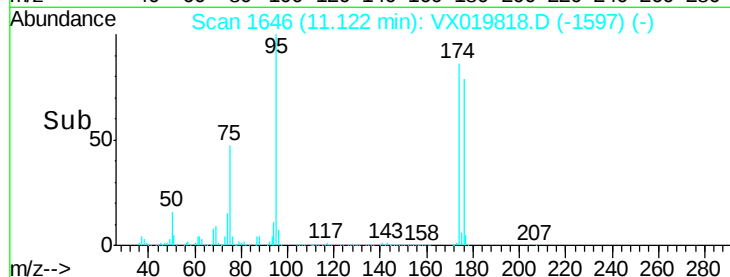
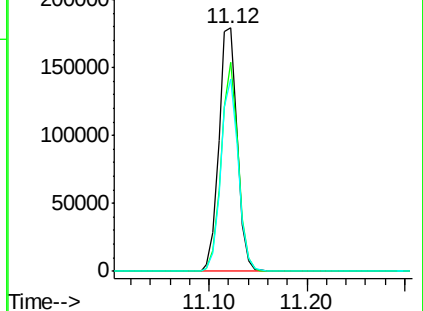
176 75.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

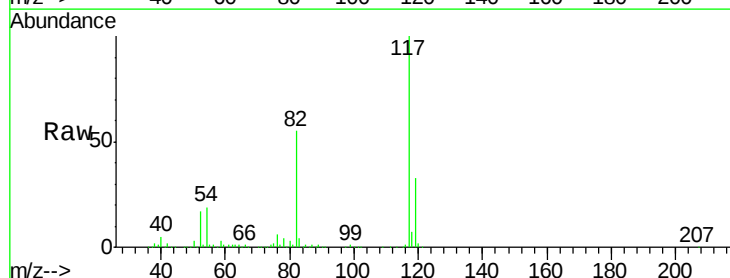
Tgt Ion: 117 Resp: 496633

Ion Ratio Lower Upper

117 100

82 55.5 47.4 71.2

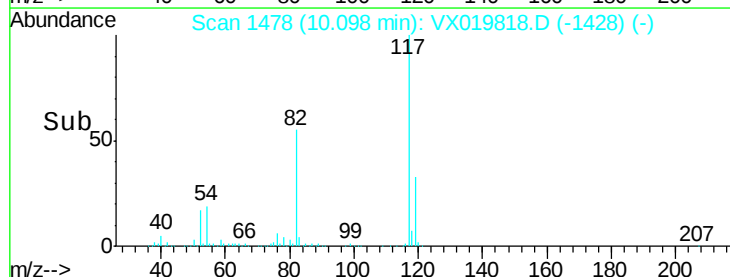
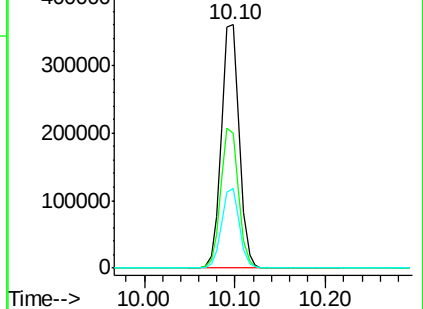
119 32.5 26.6 39.8

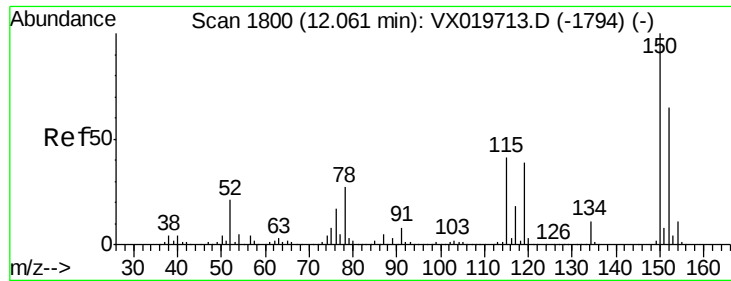


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

TB-20201207

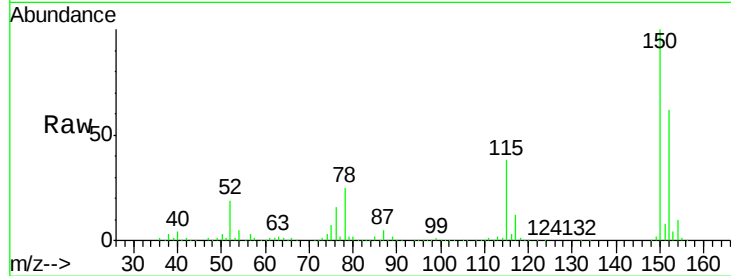
Tgt Ion:152 Resp: 217210

Ion Ratio Lower Upper

152 100

115 60.6 41.1 123.3

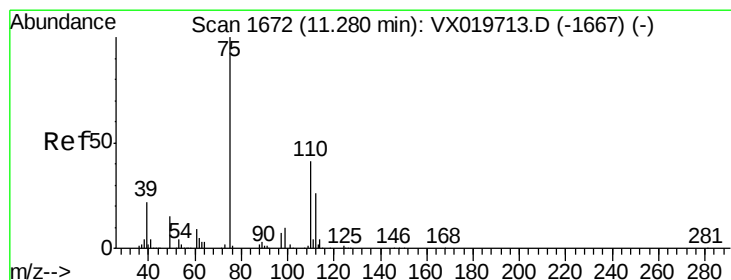
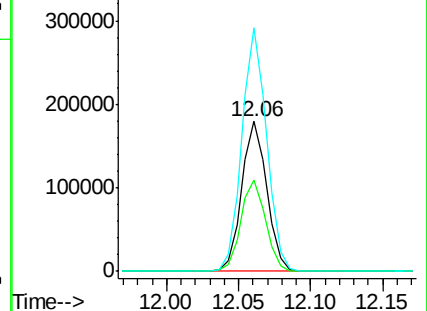
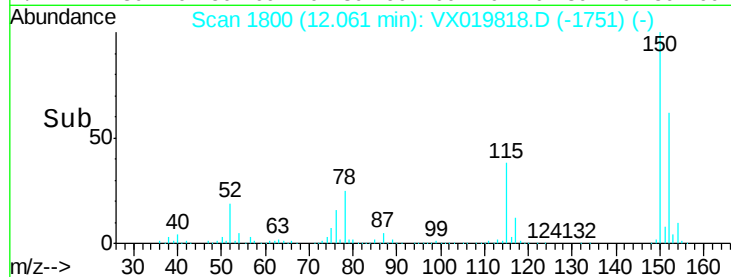
150 160.6 0.0 349.0



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: 22.907 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019818.D

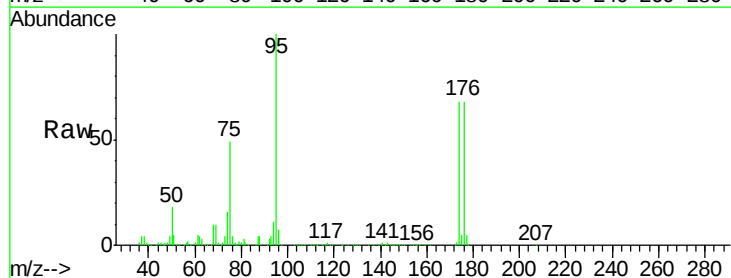
Acq: 10 Dec 2020 12:24

Tgt Ion: 75 Resp: 111596

Ion Ratio Lower Upper

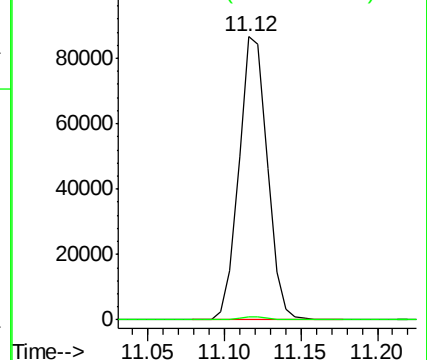
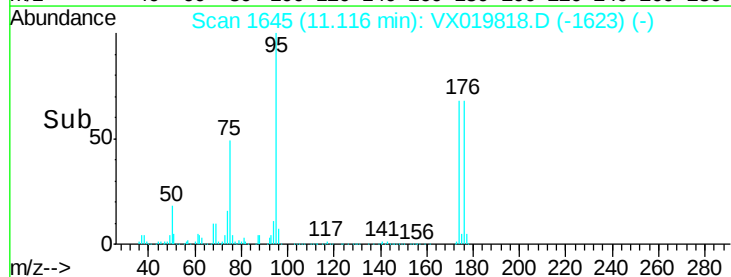
75 100

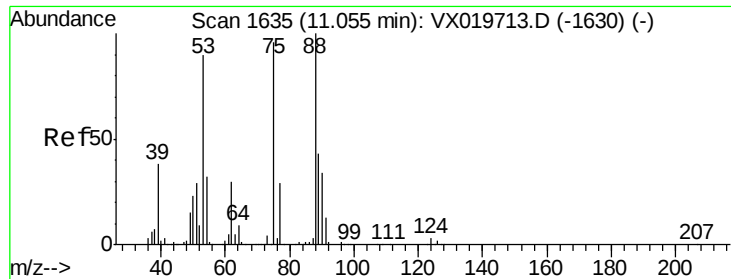
77 1.2 19.1 57.5#



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: 66.221 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

TB-20201207

Tgt Ion: 75 Resp: 111596

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

