

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019820.D
 Acq On : 10 Dec 2020 13:11
 Operator : JC/MD
 Sample : L4996-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20201208

Quant Time: Dec 11 00:50:13 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	309322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	524117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199597	49.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.20%
35) Dibromofluoromethane	5.46	113	160295	47.32	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.64%
50) Toluene-d8	8.70	98	633112	48.96	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.92%
62) 4-Bromofluorobenzene	11.12	95	218466	44.39	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.78%

Target Compounds

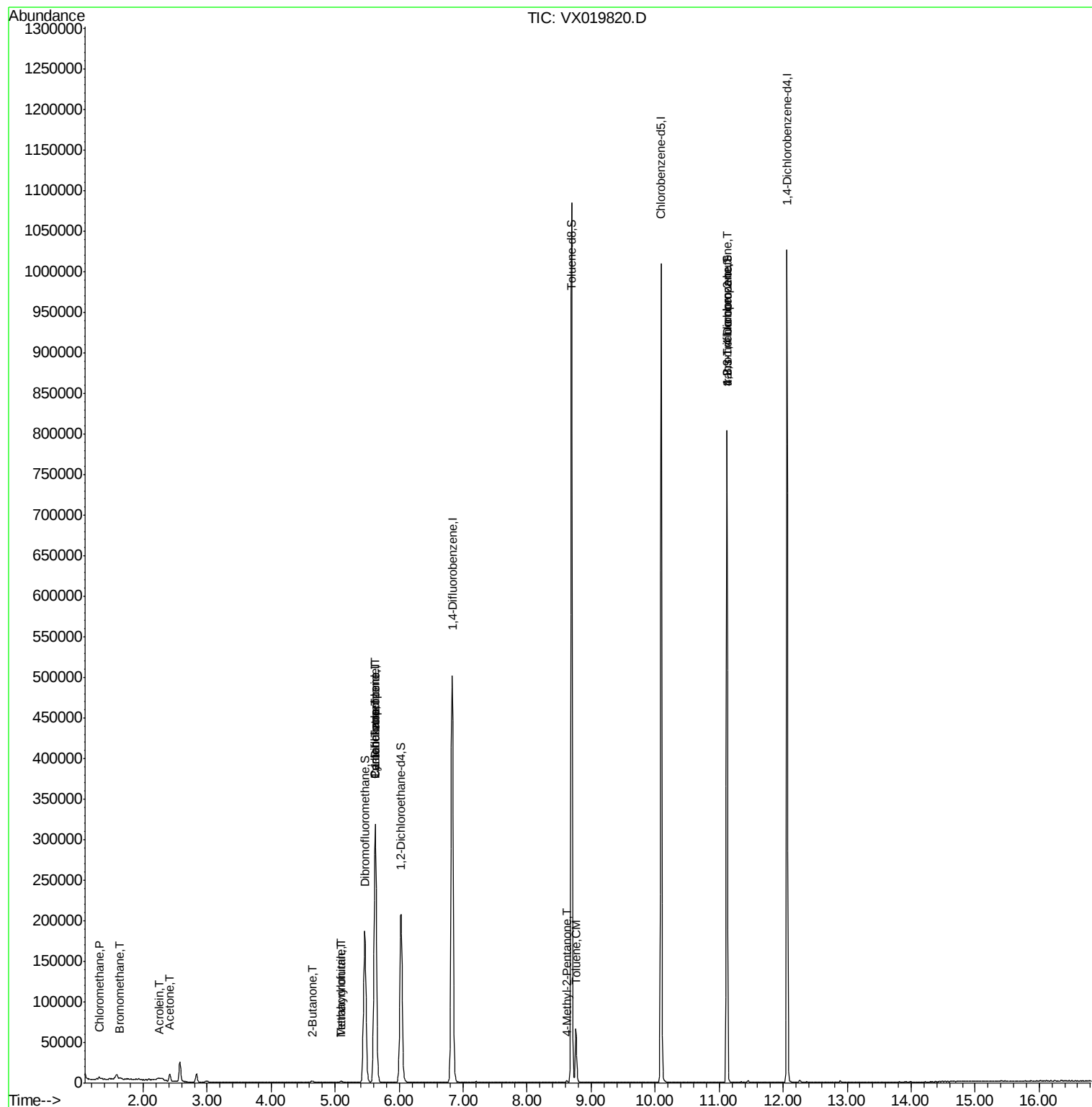
					Qvalue	
3) Chloromethane	1.31	50	954	0.286	ug/l	99
5) Bromomethane	1.63	94	741	0.635	ug/l	84
11) Tert butyl alcohol	2.99	59	1283	Below Cal	#	73
13) Acrolein	2.26	56	91	0.203	ug/l #	14
16) Acetone	2.42	43	8698	5.692	ug/l	98
20) Methylene Chloride	2.83	84	4917	Below Cal		97
25) 2-Butanone	4.64	43	1734	0.738	ug/l #	89
29) Tetrahydrofuran	5.10	42	1250	0.826	ug/l #	86
31) Cyclohexane	5.63	56	5923	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23385	4.938	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30617	6.602	ug/l #	16
41) Methacrylonitrile	5.09	41	753	0.287	ug/l #	30
51) 4-Methyl-2-Pentanone	8.62	43	1312	0.276	ug/l #	81
52) Toluene	8.76	92	24163	2.670	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	106214	23.185	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106214	67.024	ug/l #	12

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

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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: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

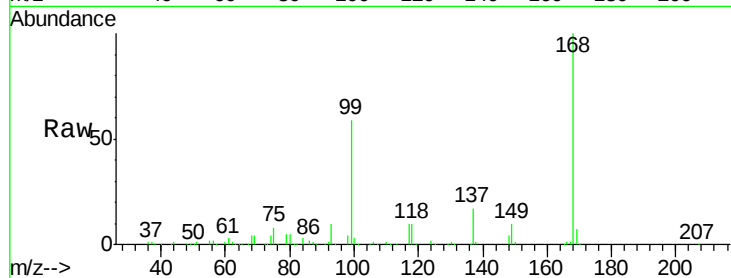
EB01-20201208

Tgt Ion:168 Resp: 309322

Ion Ratio Lower Upper

168 100

99 59.1 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

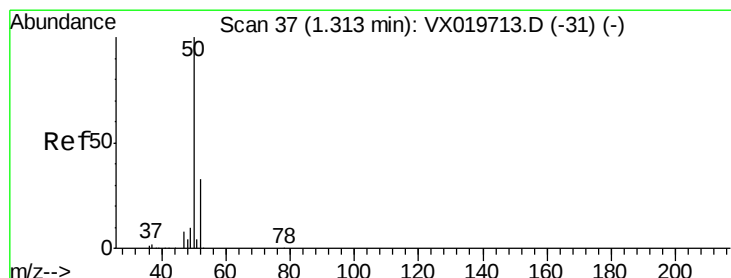
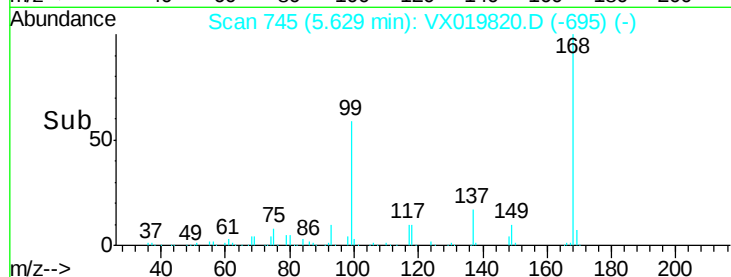
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019820.D

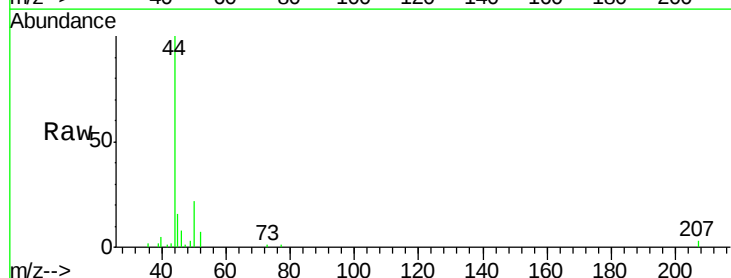
Acq: 10 Dec 2020 13:11

Tgt Ion: 50 Resp: 954

Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

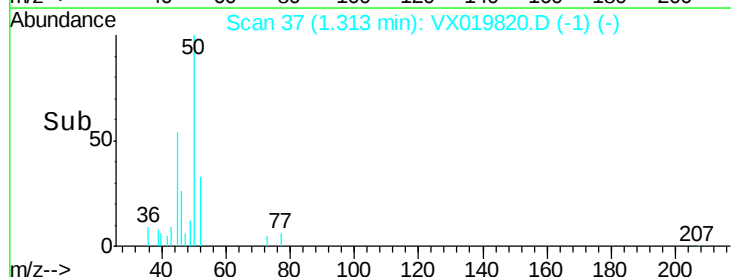
600

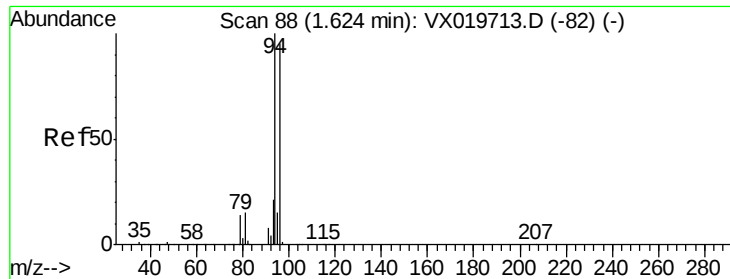
400

200

0

Time-->





#5

Bromomethane

Concen: 0.635 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

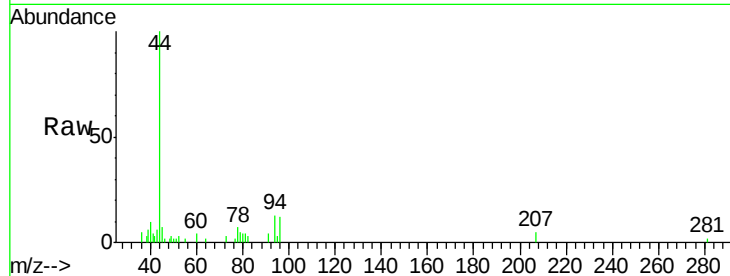
EB01-20201208

Tgt Ion: 94 Resp: 741

Ion Ratio Lower Upper

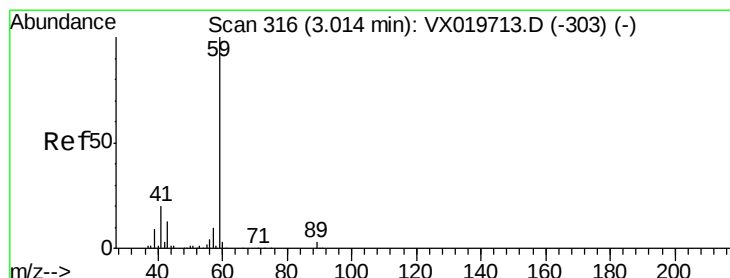
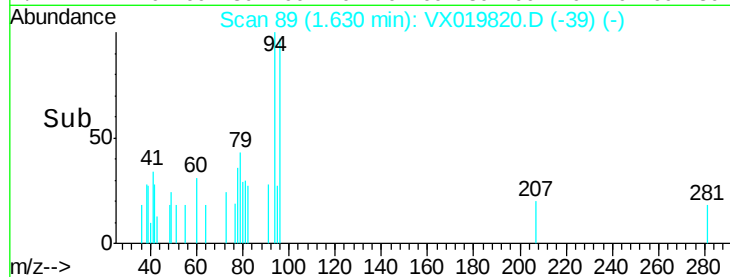
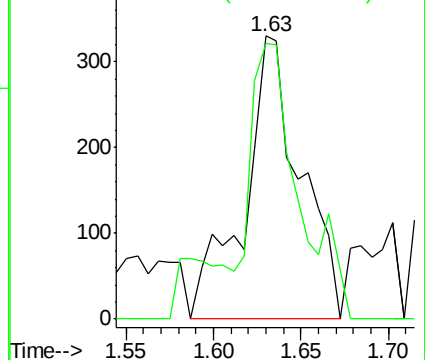
94 100

96 80.0 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: Below Cal

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019820.D

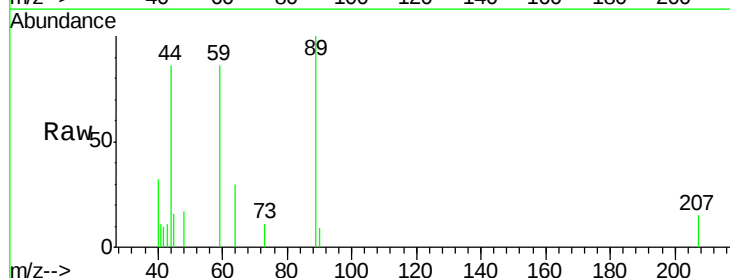
Acq: 10 Dec 2020 13:11

Tgt Ion: 59 Resp: 1283

Ion Ratio Lower Upper

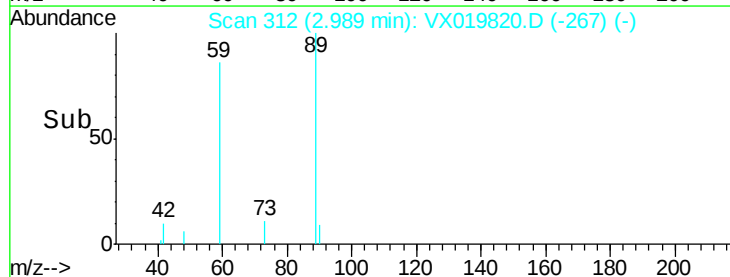
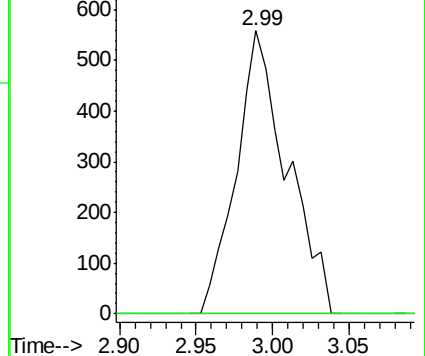
59 100

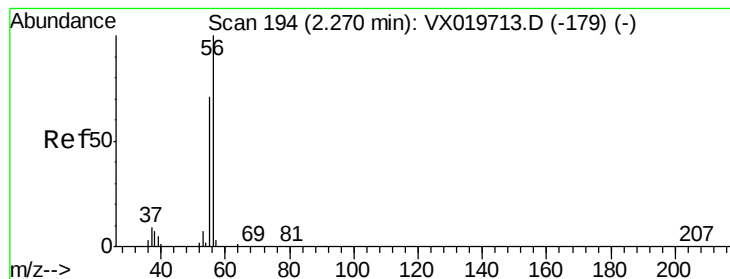
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.203 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

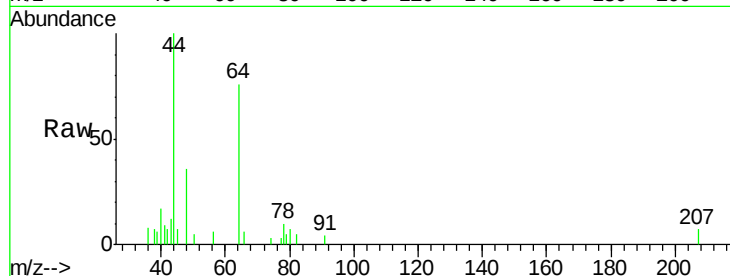
EB01-20201208

Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

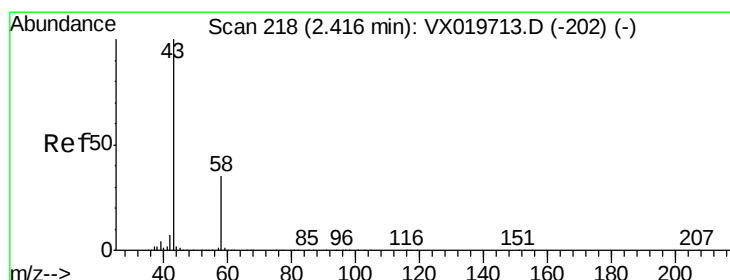
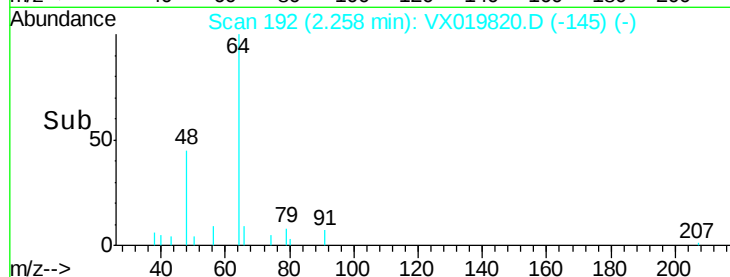
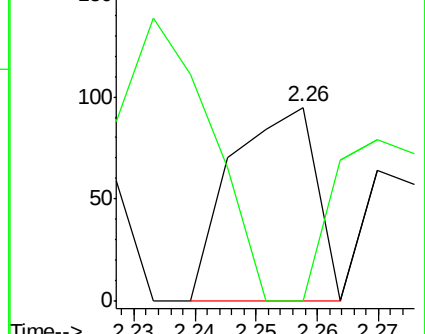
56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.692 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019820.D

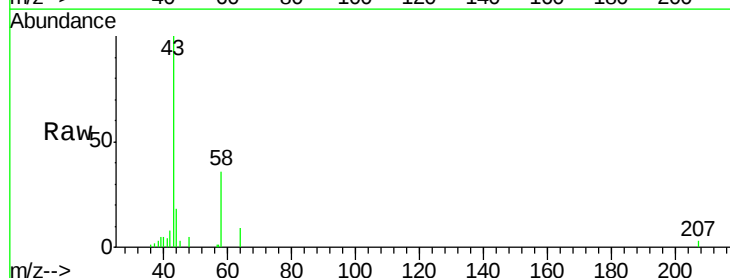
Acq: 10 Dec 2020 13:11

Tgt Ion: 43 Resp: 8698

Ion Ratio Lower Upper

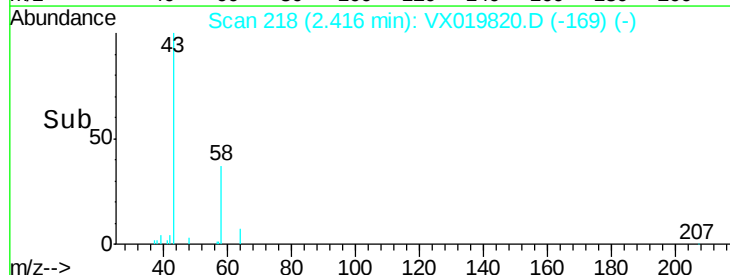
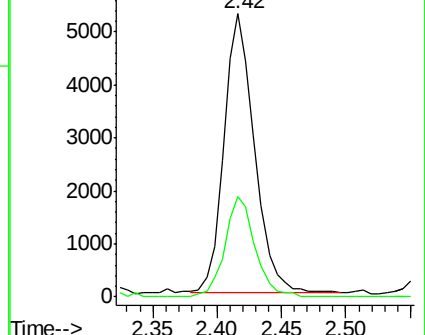
43 100

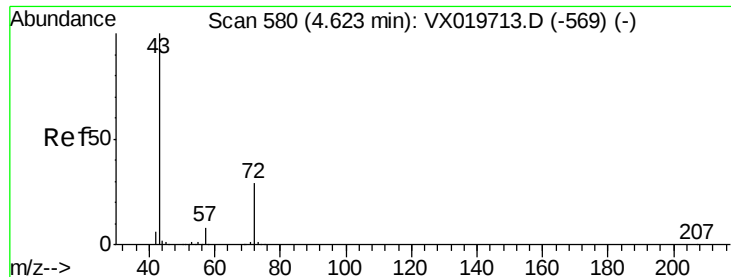
58 36.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.738 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

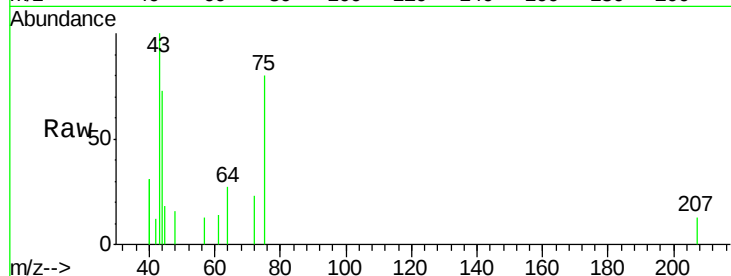
EB01-20201208

Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

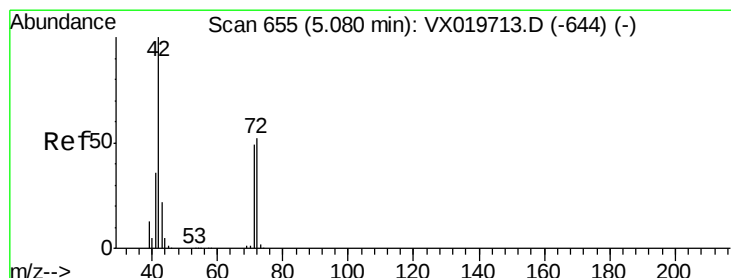
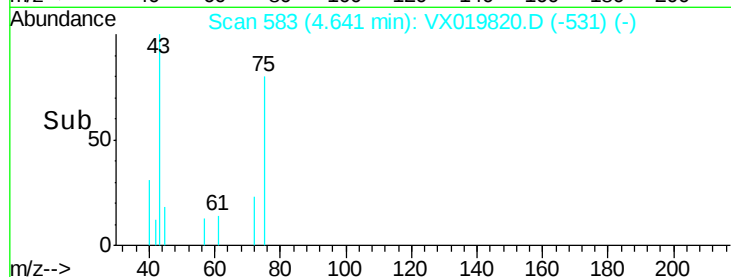
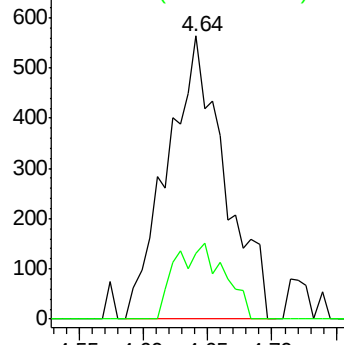
43 100

72 23.4 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

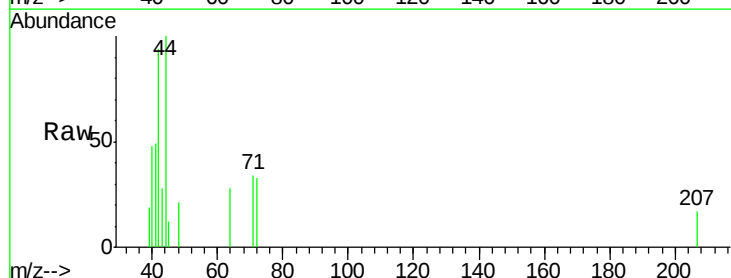
Tgt Ion: 42 Resp: 1250

Ion Ratio Lower Upper

42 100

72 38.3 41.7 62.5#

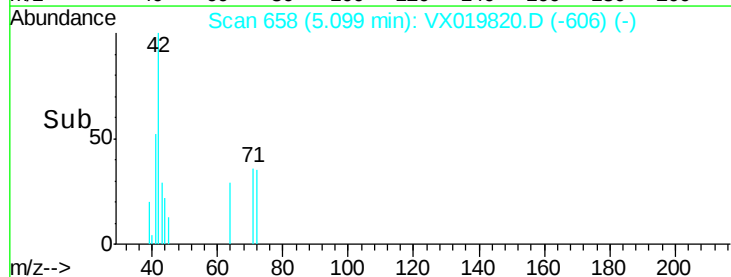
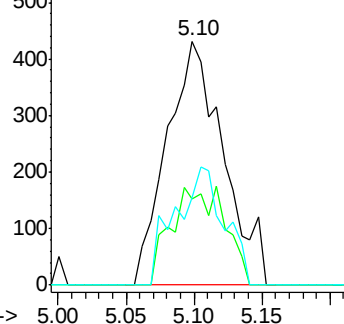
71 42.3 38.4 57.6

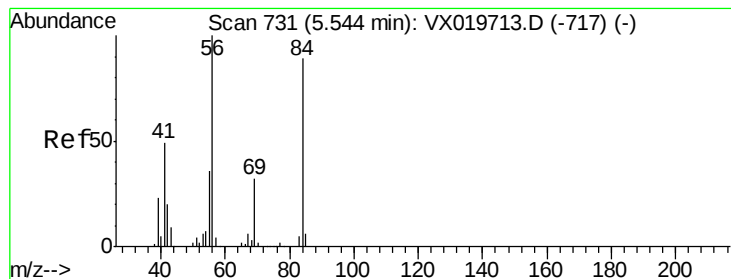


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

EB01-20201208

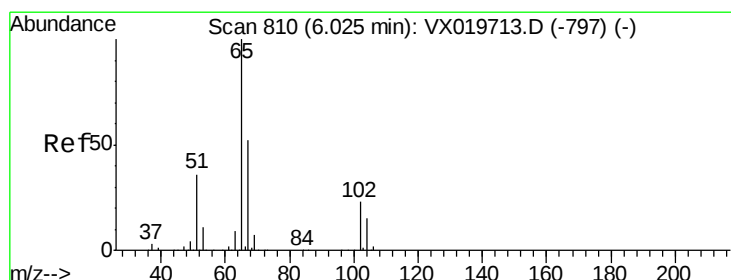
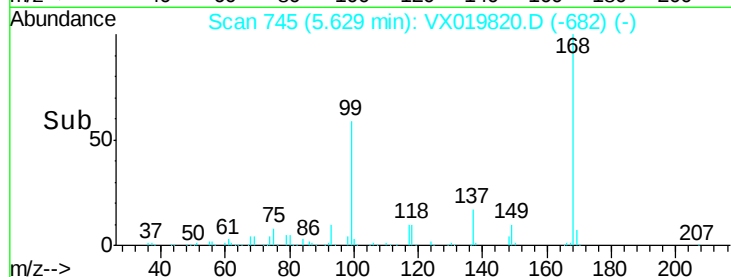
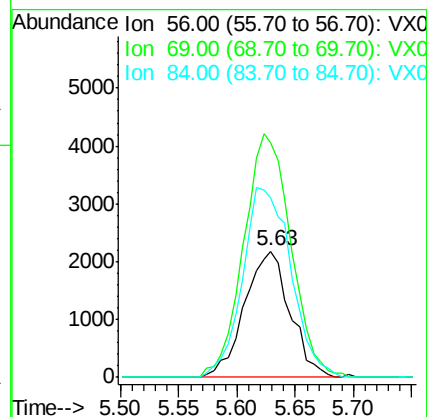
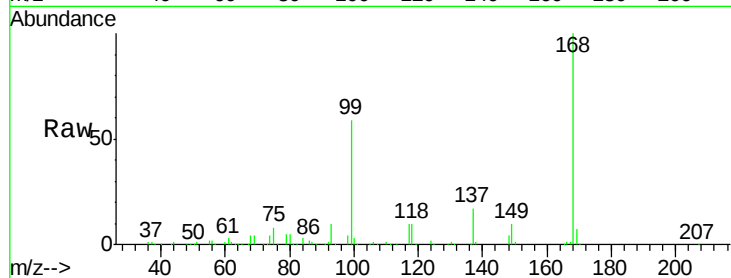
Tgt Ion: 56 Resp: 5923

Ion Ratio Lower Upper

56 100

69 186.3 25.3 37.9#

84 141.8 71.4 107.0#



#33

1,2-Dichloroethane-d4

Concen: 49.097 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019820.D

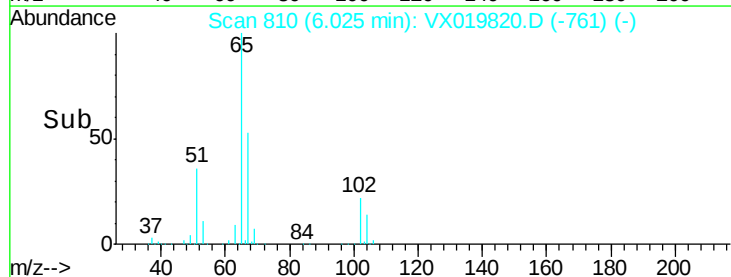
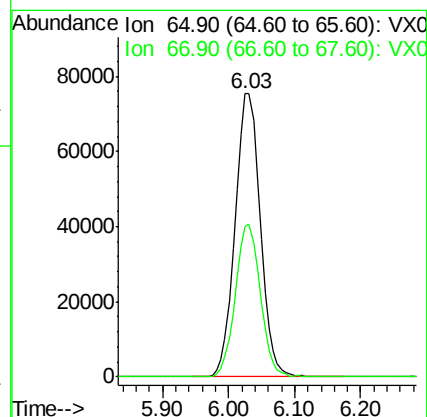
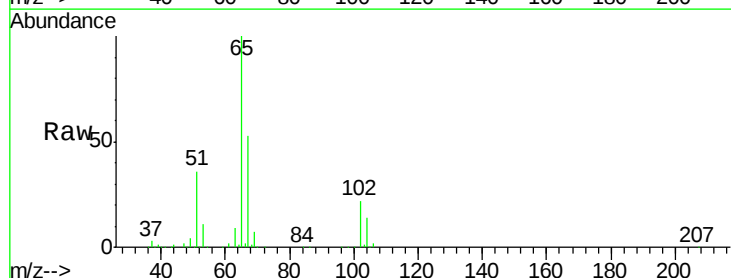
Acq: 10 Dec 2020 13:11

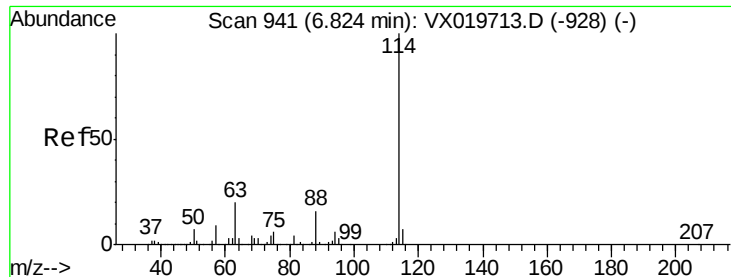
Tgt Ion: 65 Resp: 199597

Ion Ratio Lower Upper

65 100

67 53.3 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: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

EB01-20201208

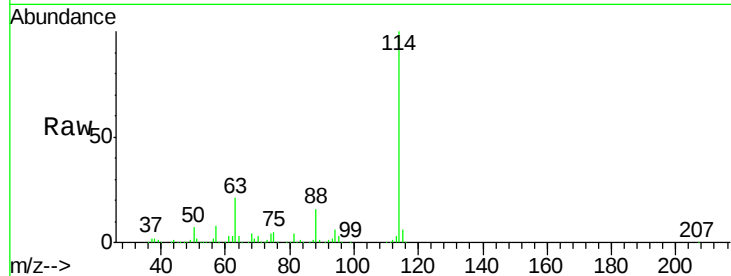
Tgt Ion:114 Resp: 524117

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

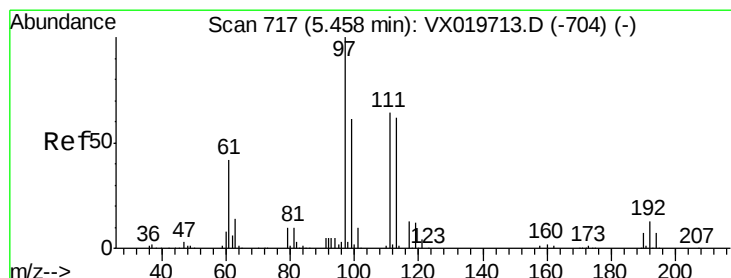
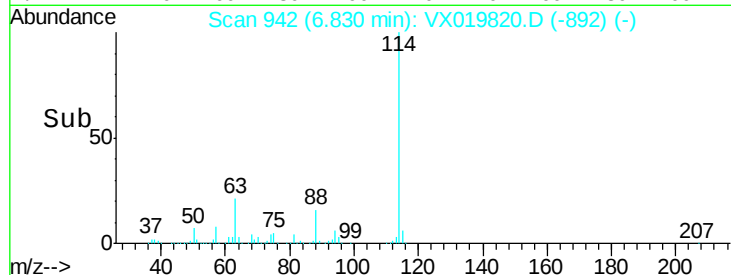
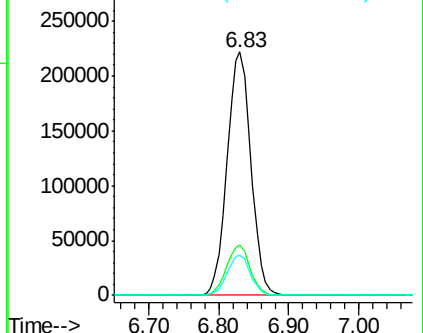
88 16.5 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 47.322 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

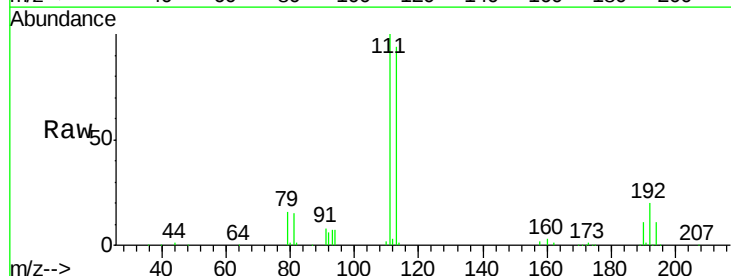
Tgt Ion:113 Resp: 160295

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

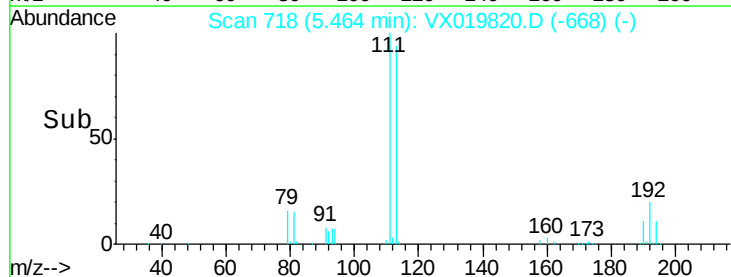
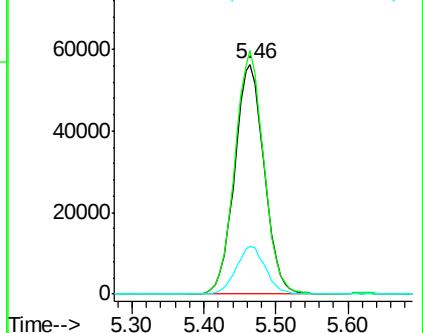
192 20.6 16.7 25.1

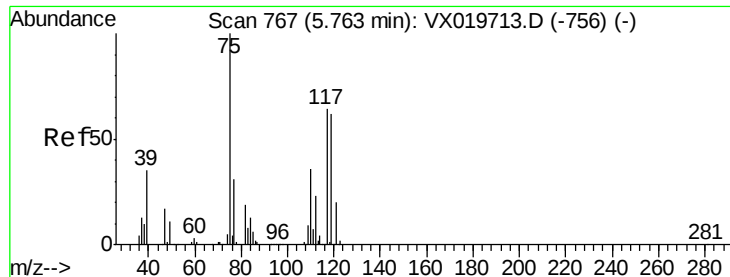


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

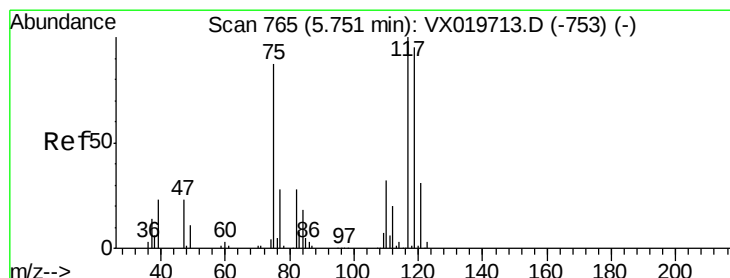
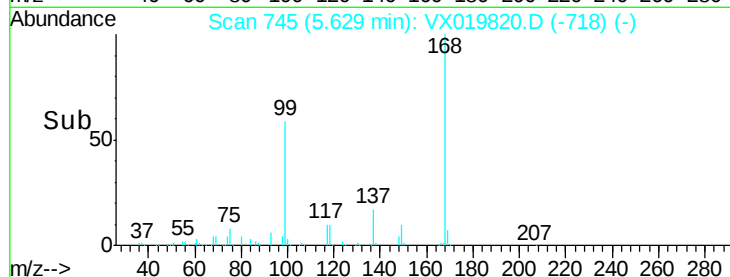
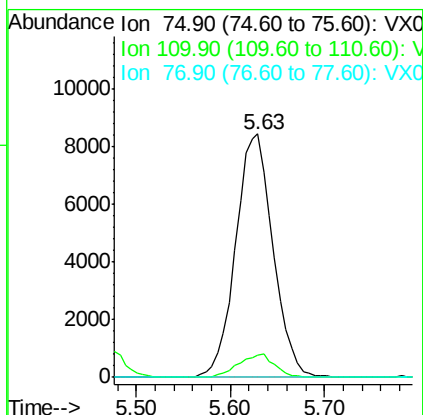
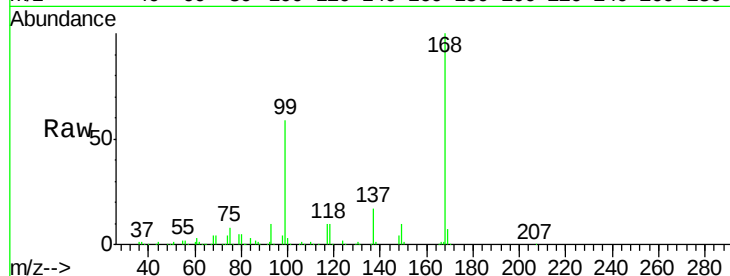




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019820.D
 Acq: 10 Dec 2020 13:11

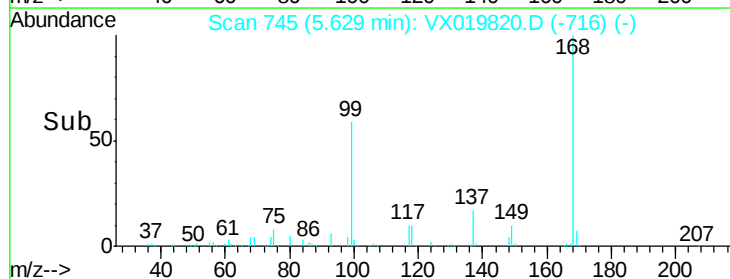
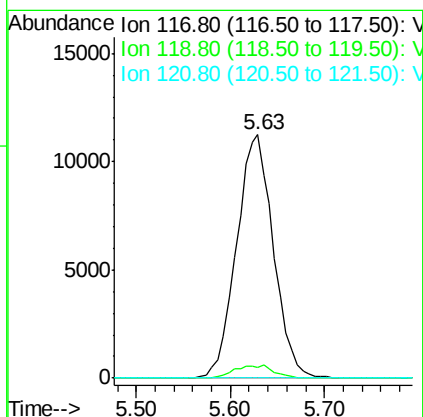
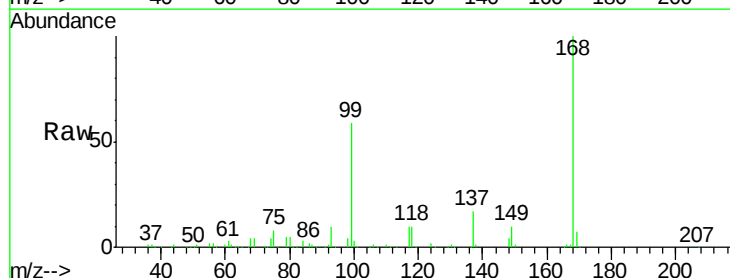
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20201208

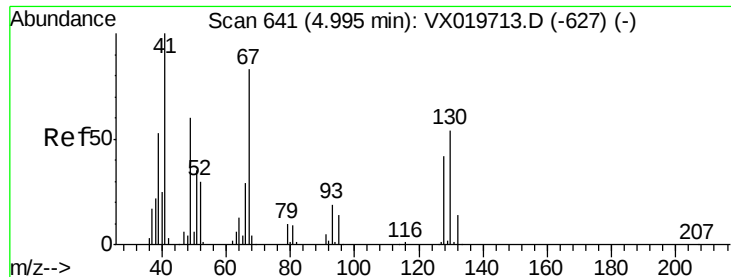
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.602 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019820.D
 Acq: 10 Dec 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	24.8	37.2#

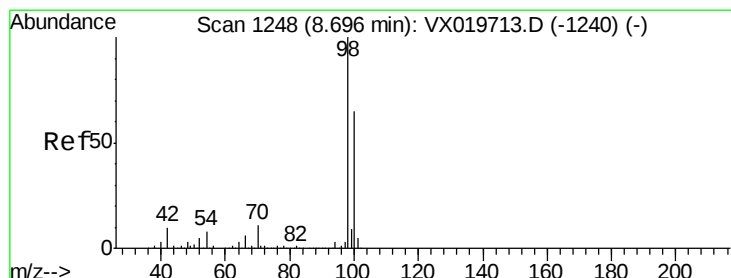
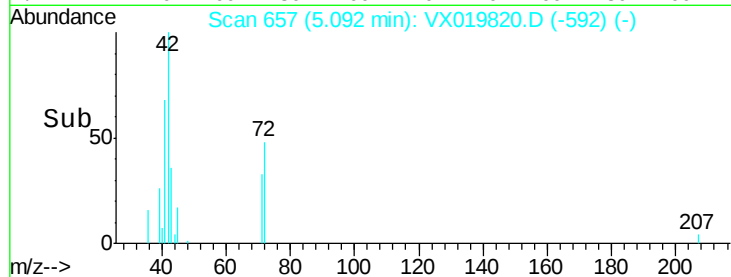
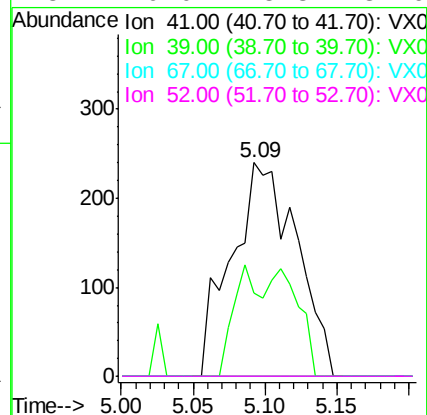
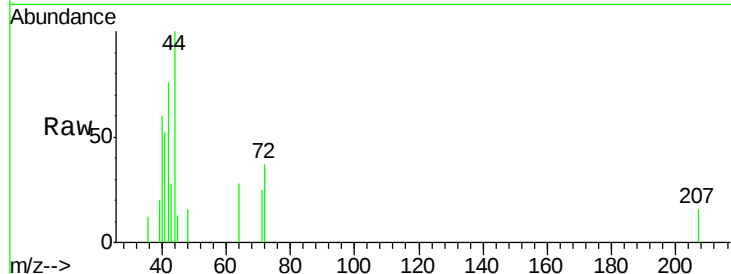




#41
Methacrylonitrile
Concen: 0.287 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.10 min
Lab File: VX019820.D
Acq: 10 Dec 2020 13:11

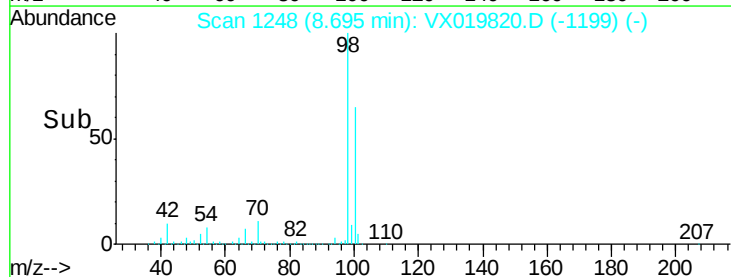
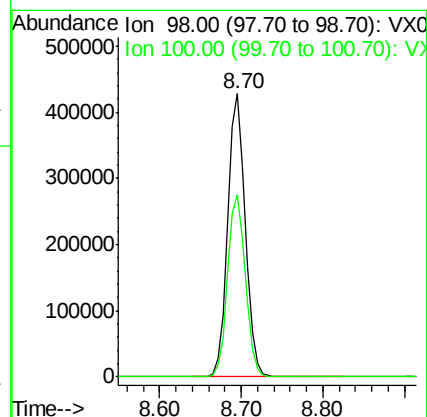
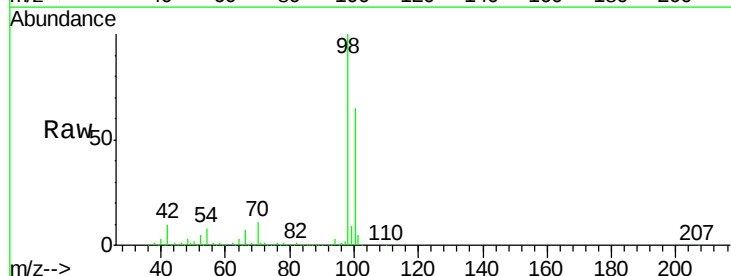
Instrument :
MSVOA_X
ClientSampleId :
EB01-20201208

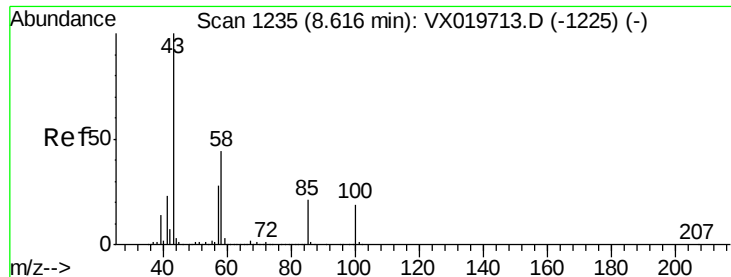
Tgt Ion: 41 Resp: 753
Ion Ratio Lower Upper
41 100
39 22.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 48.958 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019820.D
Acq: 10 Dec 2020 13:11

Tgt Ion: 98 Resp: 633112
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

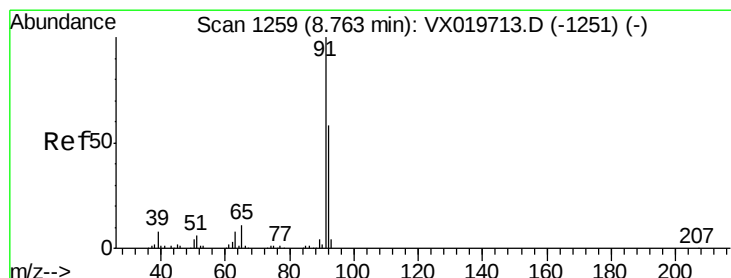
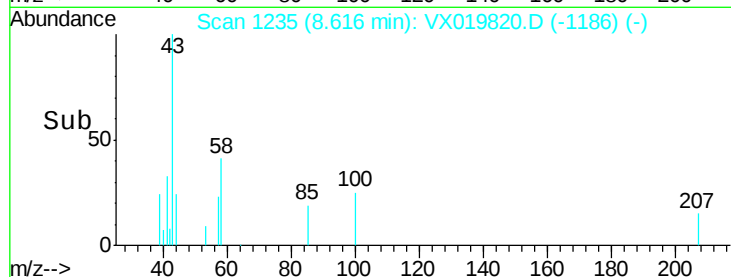
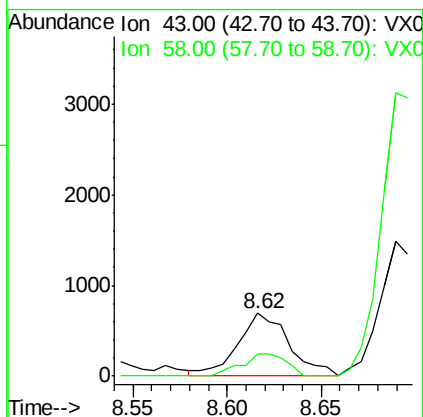
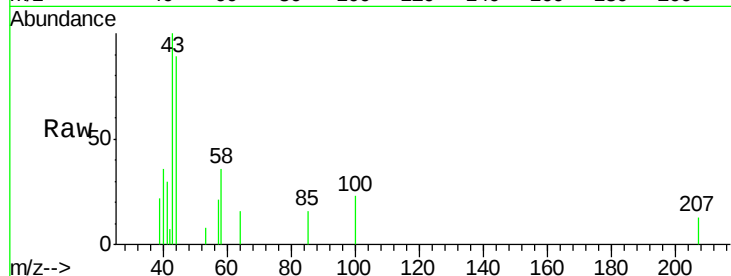




#51
 4-Methyl-2-Pentanone
 Concen: 0.276 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019820.D
 Acq: 10 Dec 2020 13:11

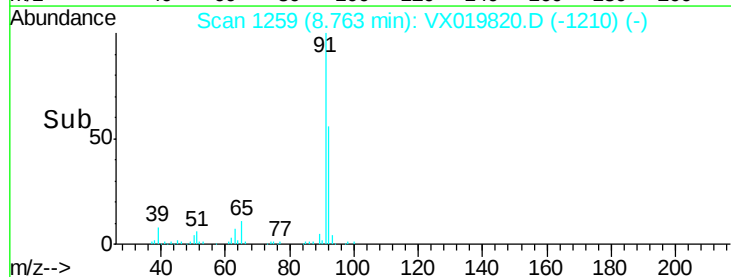
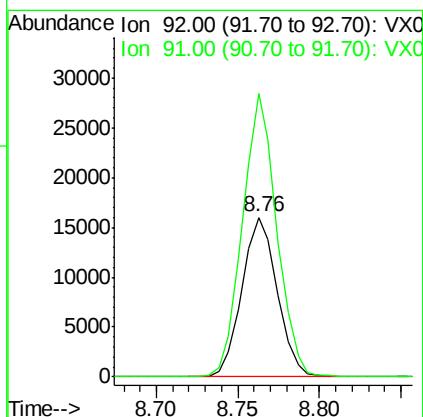
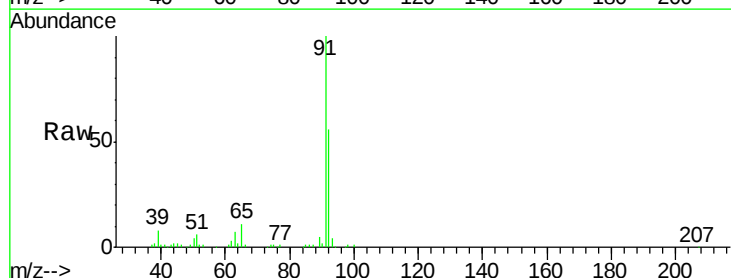
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20201208

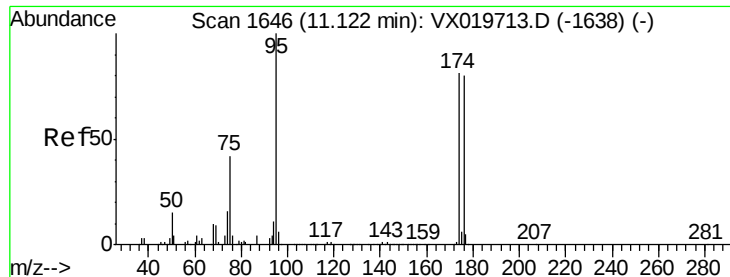
Tgt Ion: 43 Resp: 1312
 Ion Ratio Lower Upper
 43 100
 58 31.8 35.4 53.0#



#52
 Toluene
 Concen: 2.670 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX019820.D
 Acq: 10 Dec 2020 13:11

Tgt Ion: 92 Resp: 24163
 Ion Ratio Lower Upper
 92 100
 91 171.8 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 44.386 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

EB01-20201208

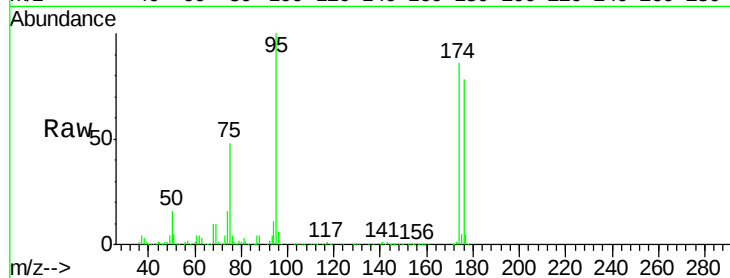
Tgt Ion: 95 Resp: 218466

Ion Ratio Lower Upper

95 100

174 80.4 0.0 154.6

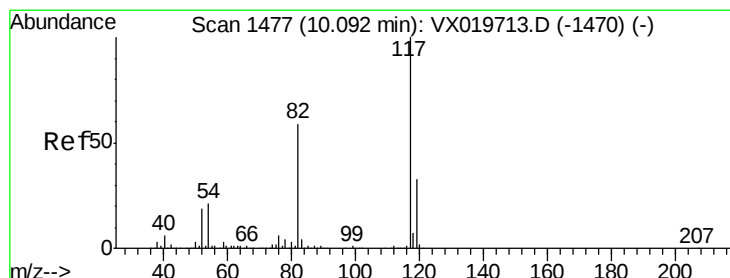
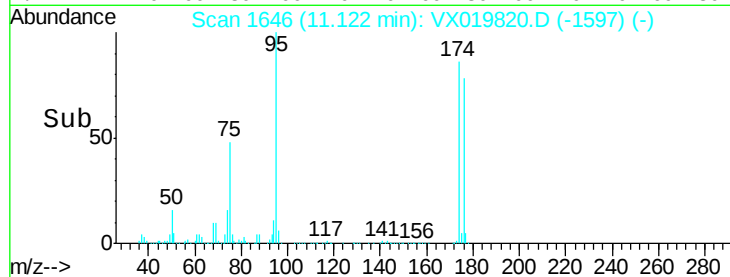
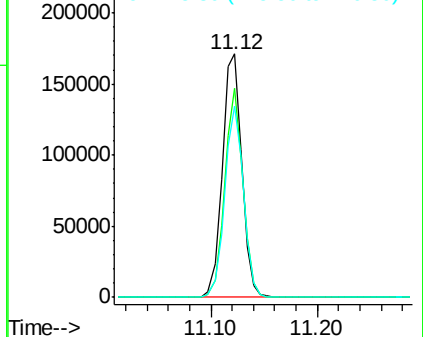
176 76.0 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

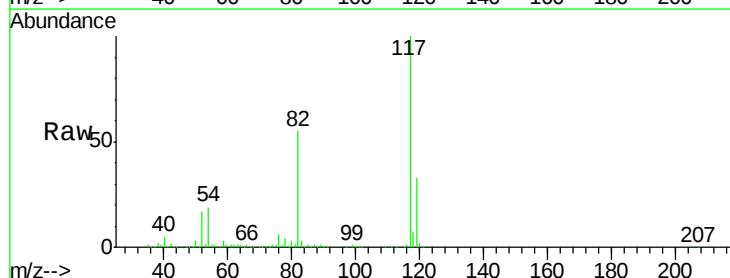
Tgt Ion: 117 Resp: 476691

Ion Ratio Lower Upper

117 100

82 55.1 47.4 71.2

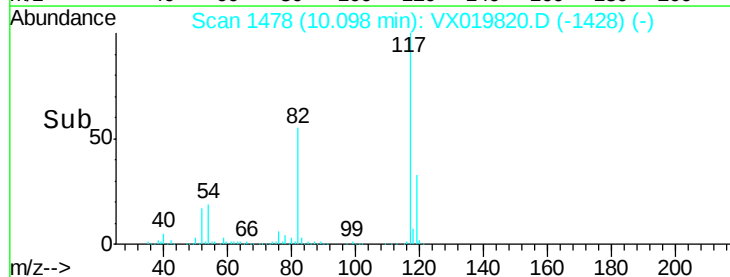
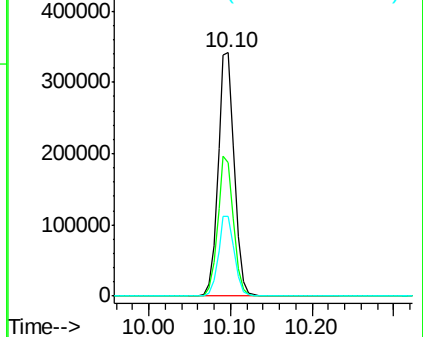
119 32.5 26.6 39.8

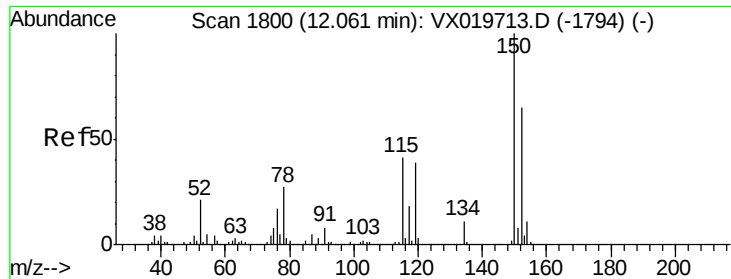


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

EB01-20201208

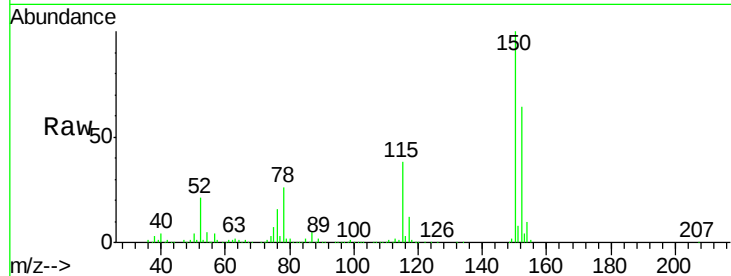
Tgt Ion:152 Resp: 204257

Ion Ratio Lower Upper

152 100

115 59.6 41.1 123.3

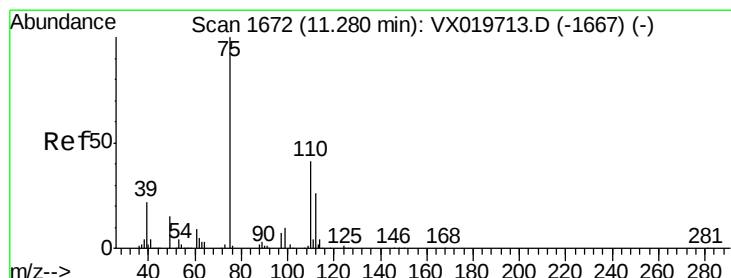
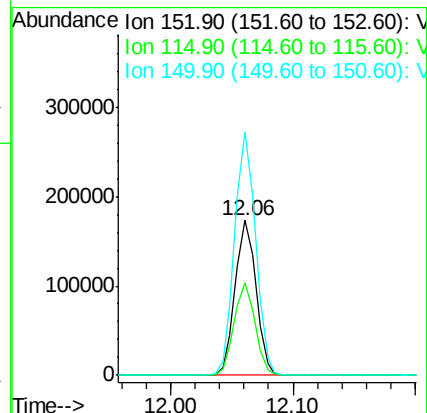
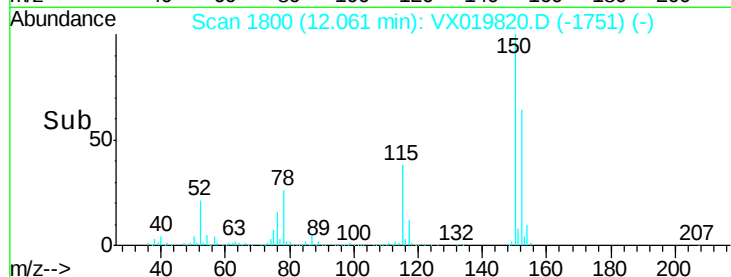
150 157.6 0.0 349.0



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: 23.185 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019820.D

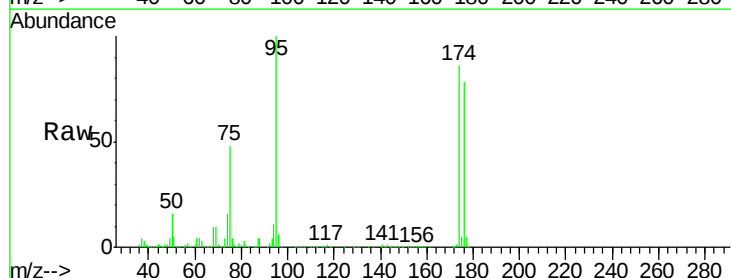
Acq: 10 Dec 2020 13:11

Tgt Ion: 75 Resp: 106214

Ion Ratio Lower Upper

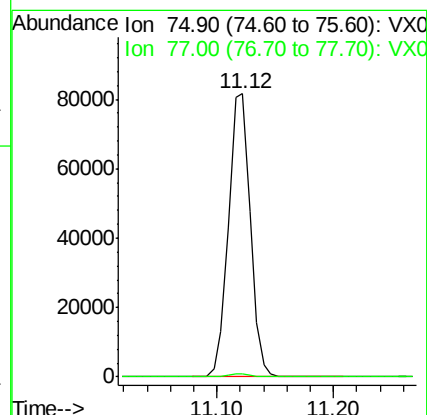
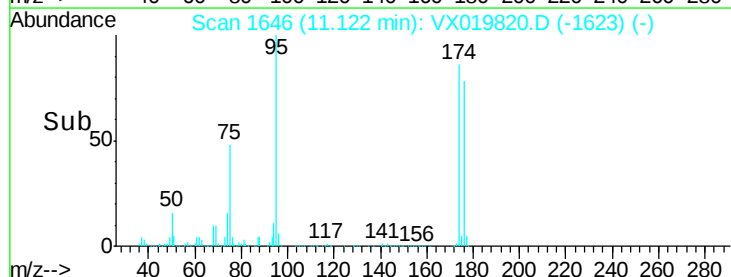
75 100

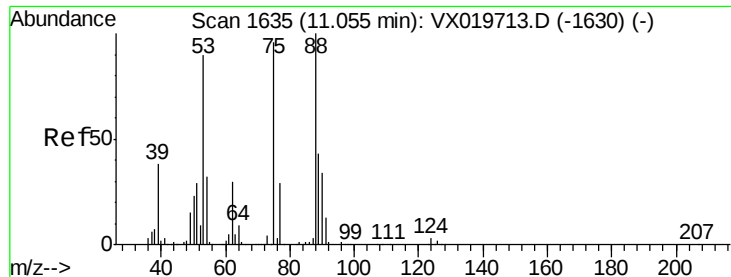
77 1.2 19.1 57.5#



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: 67.024 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019820.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

EB01-20201208

Tgt Ion: 75 Resp: 106214

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

