

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006174.D
 Acq On : 26 Nov 2018 14:45
 Operator : JC/MD
 Sample : J6059-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181120

Quant Time: Nov 27 02:27:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	424888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	199455	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	5.50	113	161177	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	8.71	98	568260	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.14	95	185463	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	

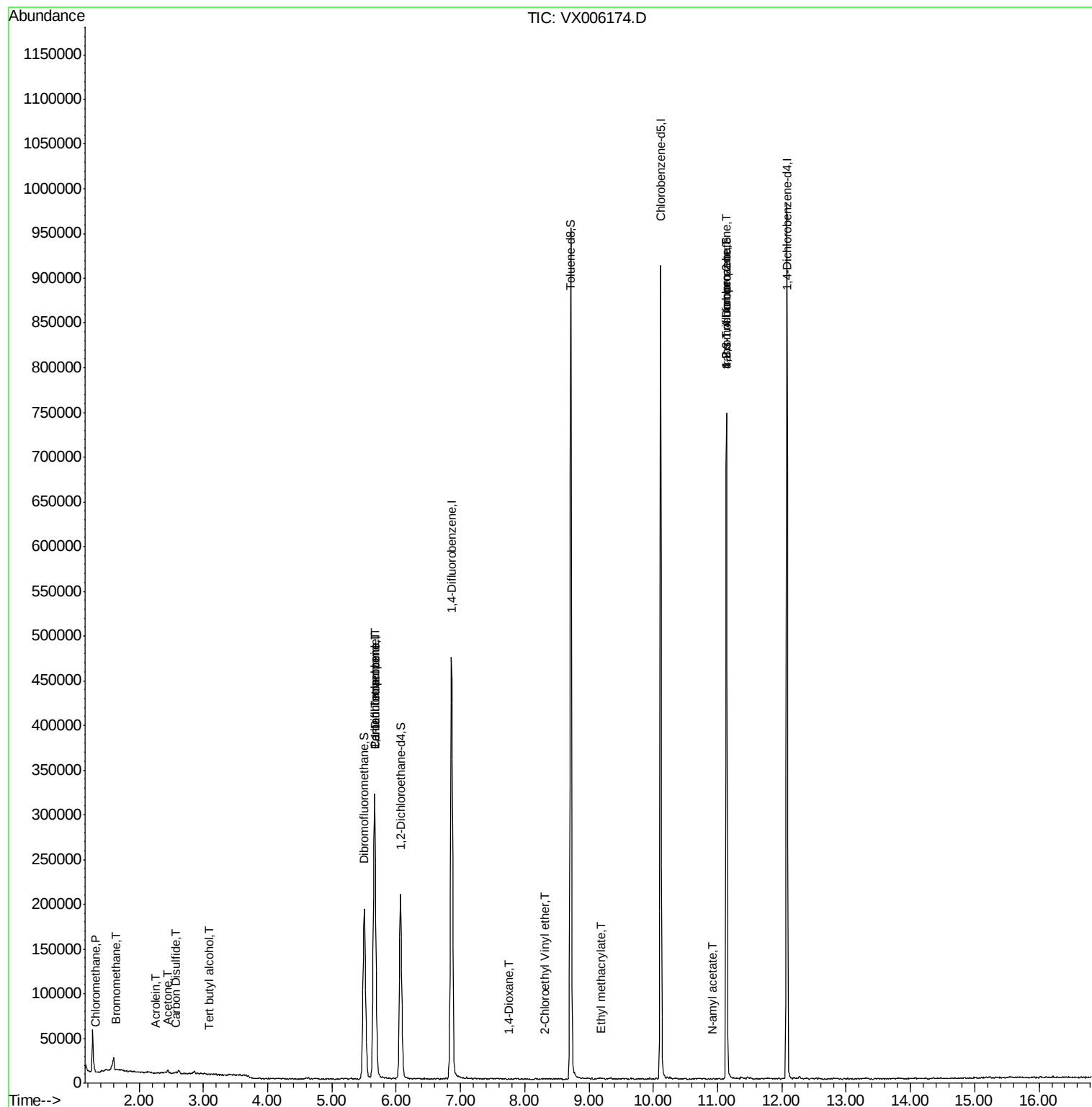
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	693	0.233	ug/l	96
5) Bromomethane	1.65	94	516	3.921	ug/l	91
6) Chloroethane	1.71	64	911	Below Cal	#	72
11) Tert butyl alcohol	3.09	59	505	0.648	ug/l #	15
13) Acrolein	2.26	56	298	0.639	ug/l #	13
16) Acetone	2.45	43	4857	2.988	ug/l #	82
17) Carbon Disulfide	2.57	76	2446	0.397	ug/l #	77
36) 1,1-Dichloropropene	5.66	75	22050	5.166	ug/l #	51
38) Carbon Tetrachloride	5.67	117	28921	7.209	ug/l #	16
49) 1,4-Dioxane	7.76	88	56	0.587	ug/l #	1
56) Ethyl methacrylate	9.18	69	132	2.889	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	254	6.806	ug/l #	67
74) N-amyl acetate	10.91	43	181	2.221	ug/l #	47
76) 1,2,3-Trichloropropane	11.13	75	94164	22.893	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	94164	77.429	ug/l #	8

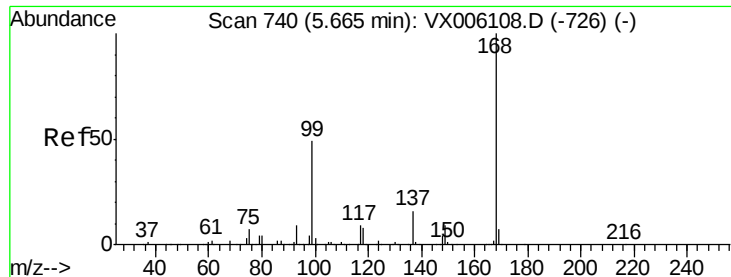
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 27 02:27:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampled :

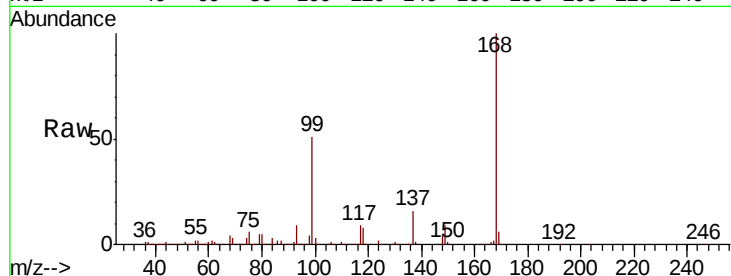
TB-01-181120

Tot Ion:168 Resp: 316163

Ion Ratio Lower Upper

168 100

99 50.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

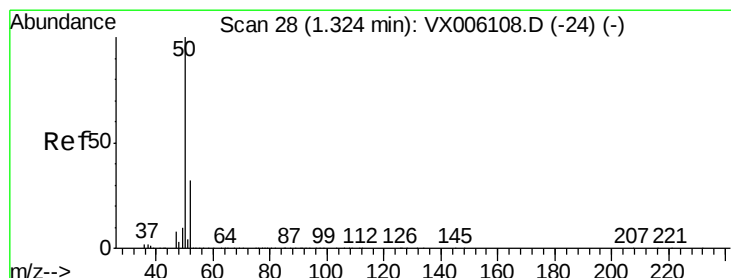
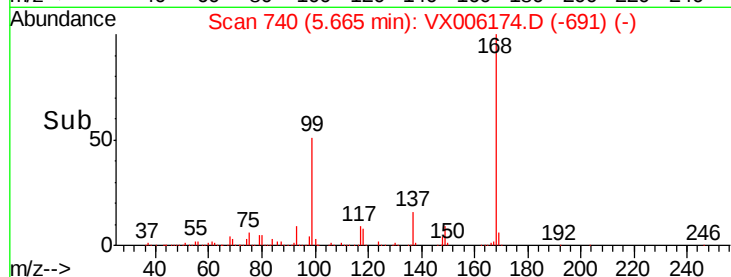
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006174.D

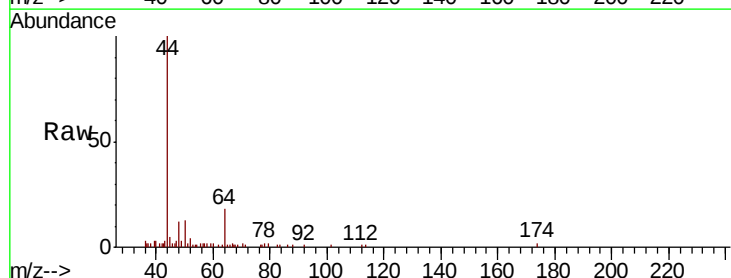
Acq: 26 Nov 2018 14:45

Tgt Ion: 50 Resp: 693

Ion Ratio Lower Upper

50 100

52 29.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

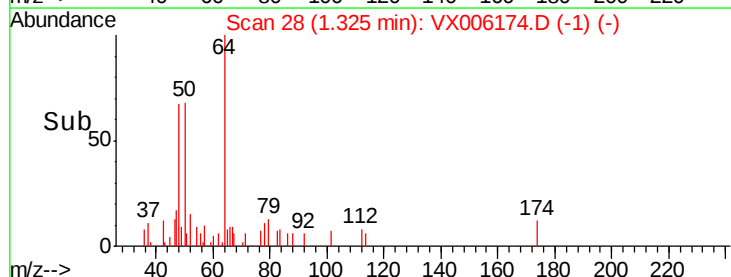
400

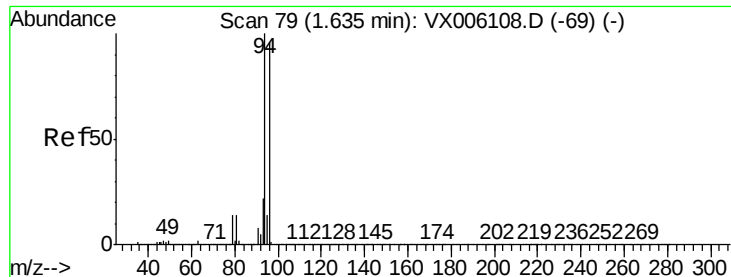
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 3.921 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

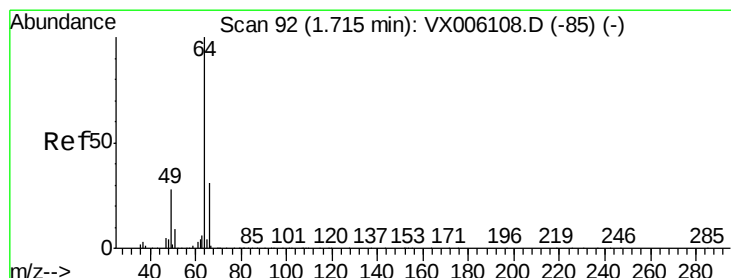
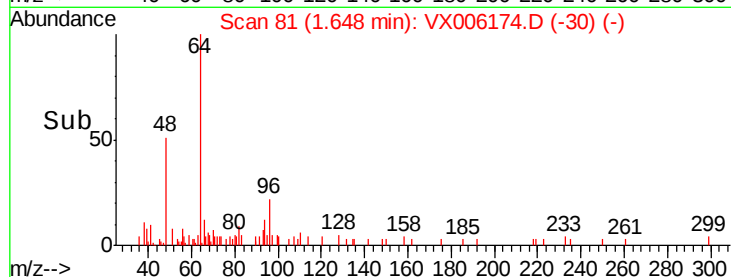
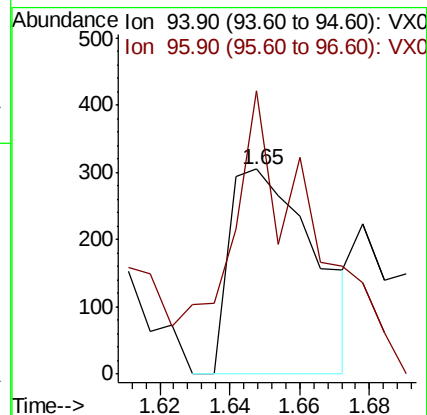
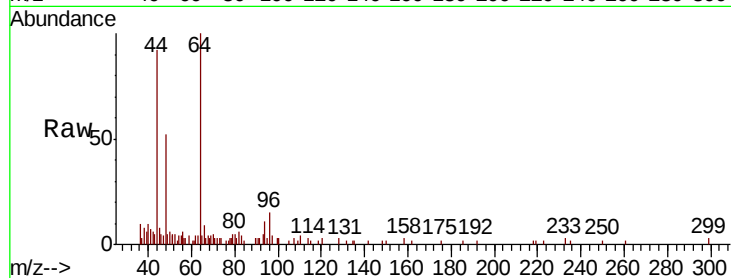
TB-01-181120

Tot Ion: 94 Resp: 516

Ion Ratio Lower Upper

94 100

96 104.3 76.7 115.1



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006174.D

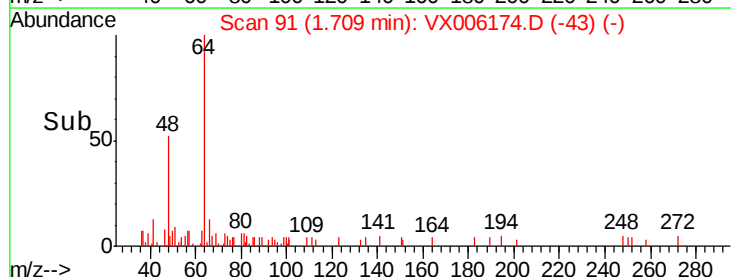
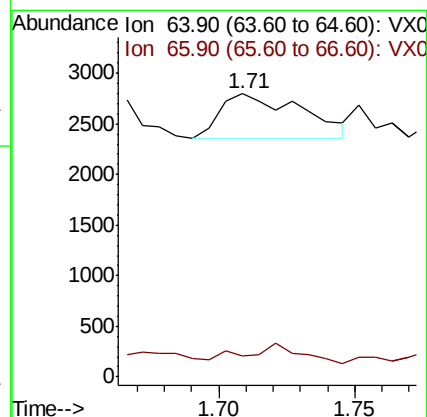
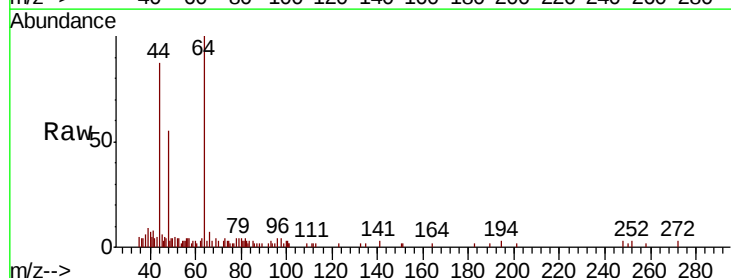
Acq: 26 Nov 2018 14:45

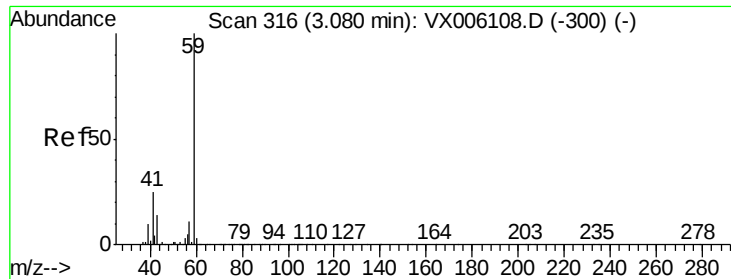
Tgt Ion: 64 Resp: 911

Ion Ratio Lower Upper

64 100

66 15.8 25.1 37.7#



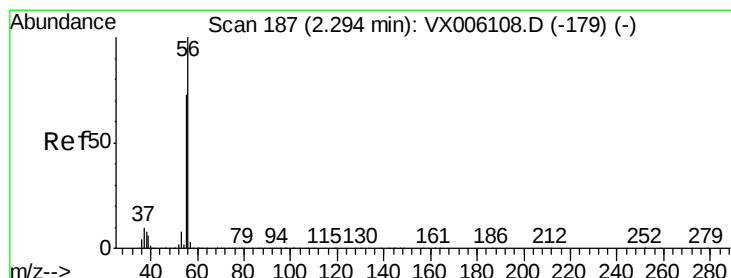
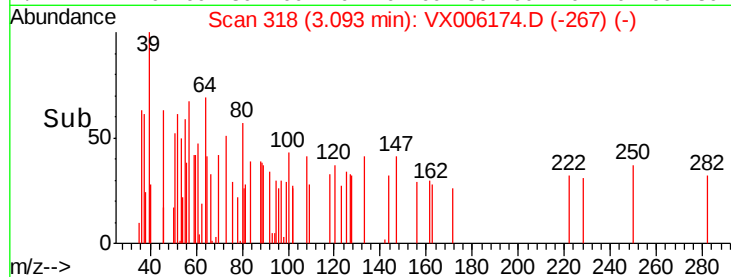
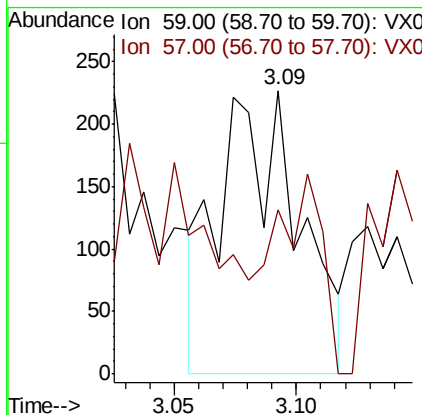
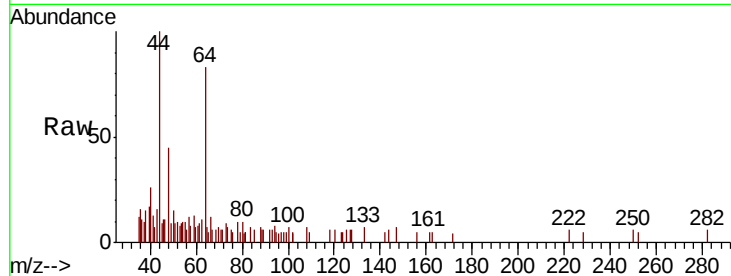


#11

Tert butyl alcohol
 Concen: 0.648 ug/l
 RT: 3.09 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181120

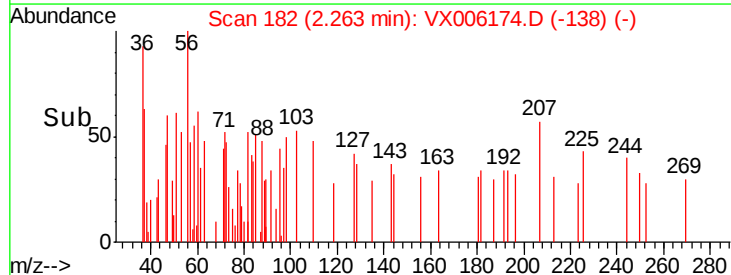
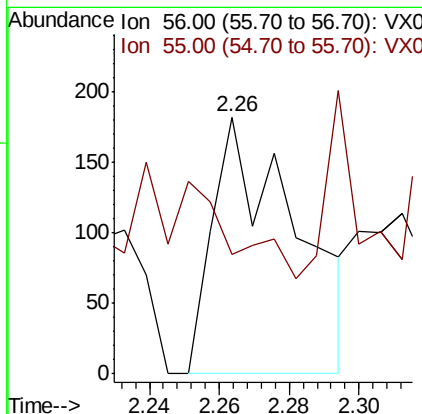
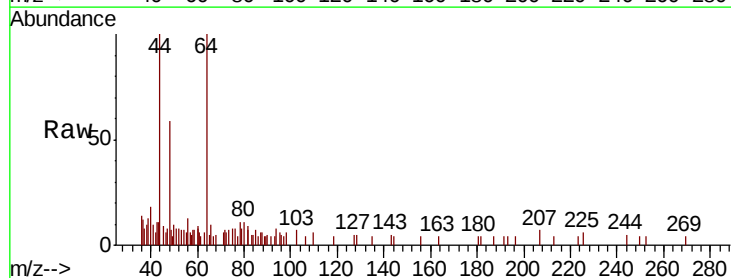
Tot Ion: 59 Resp: 505
 Ion Ratio Lower Upper
 59 100
 57 43.0 8.7 13.1#

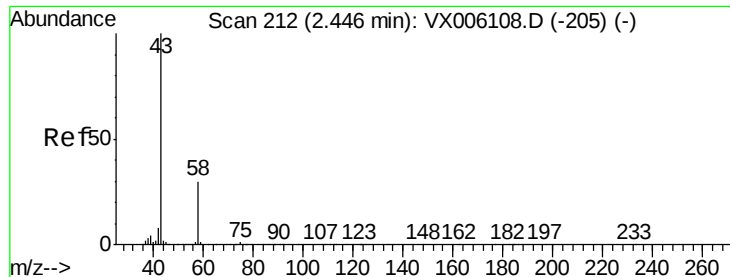


#13

Acrolein
 Concen: 0.639 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

Tgt Ion: 56 Resp: 298
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 2.988 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampled :

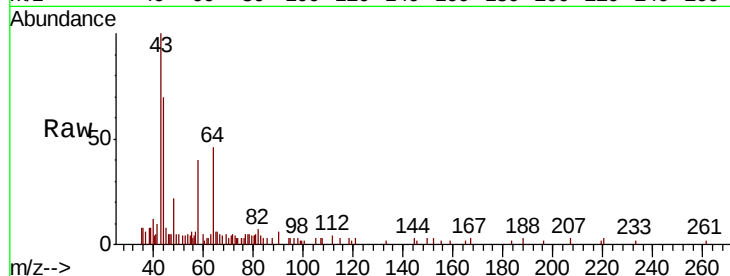
TB-01-181120

Tot Ion: 43 Resp: 4857

Ion Ratio Lower Upper

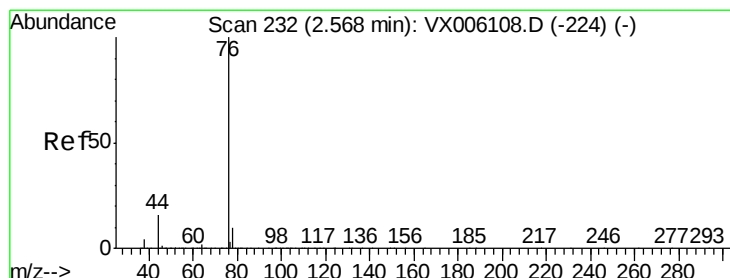
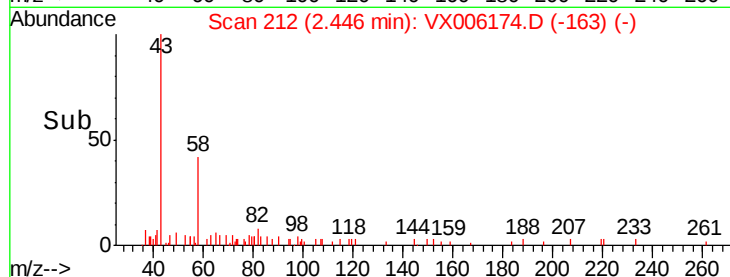
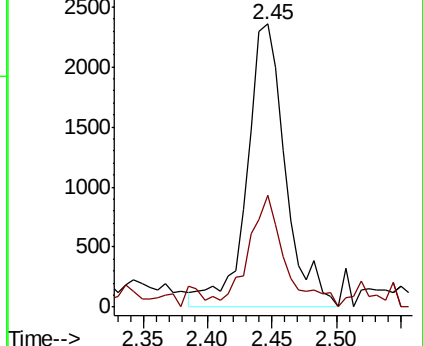
43 100

58 39.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.397 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006174.D

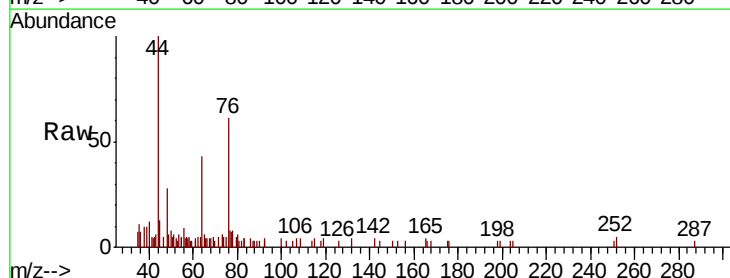
Acq: 26 Nov 2018 14:45

Tgt Ion: 76 Resp: 2446

Ion Ratio Lower Upper

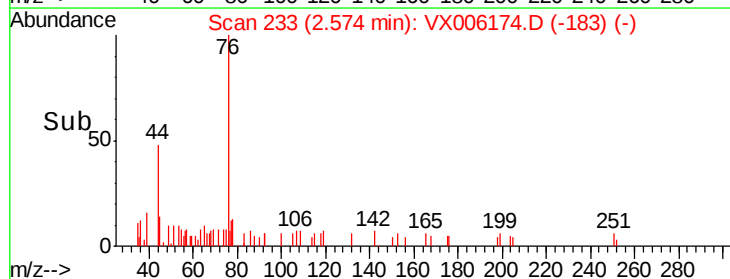
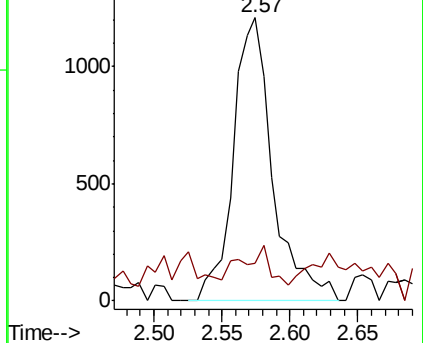
76 100

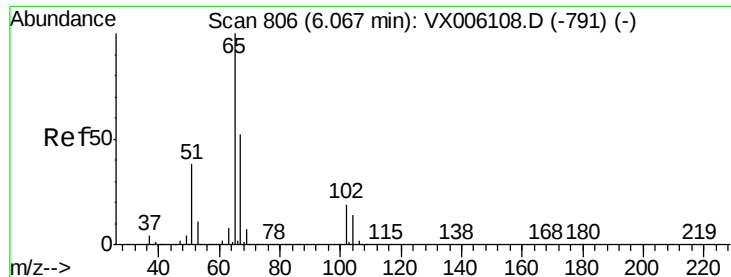
78 1.3 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

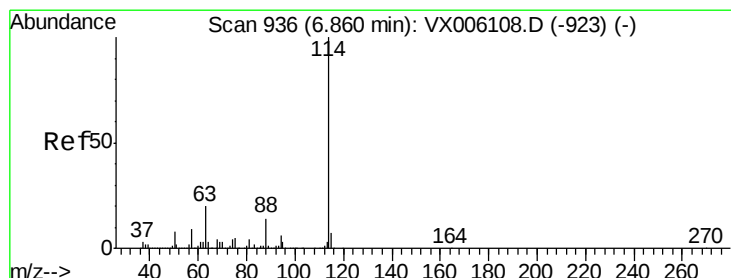
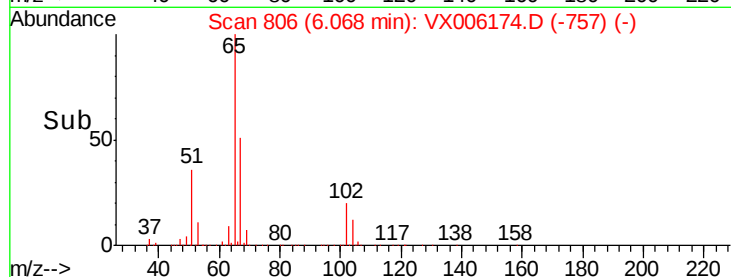
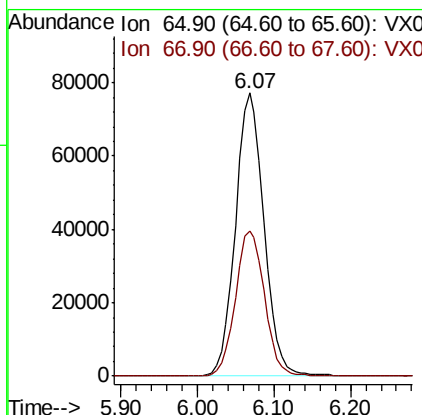
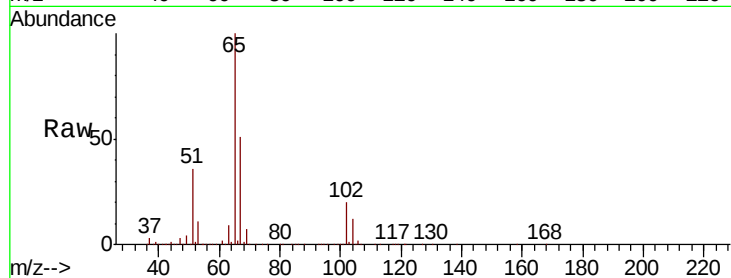




#33
 1,2-Dichloroethane-d4
 Concen: 54.443 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

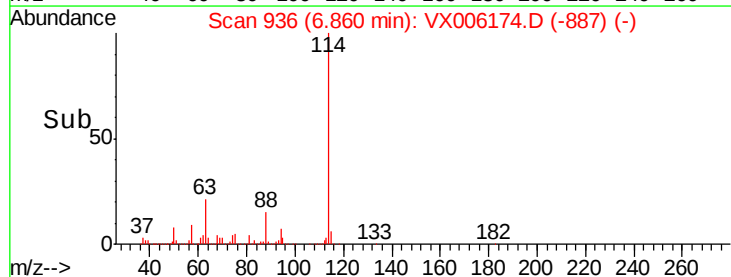
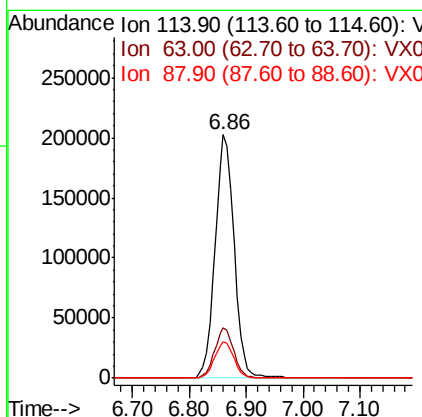
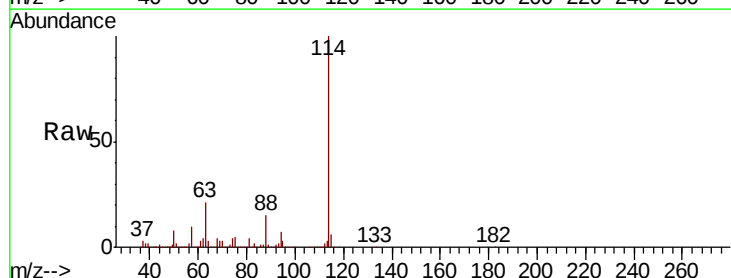
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181120

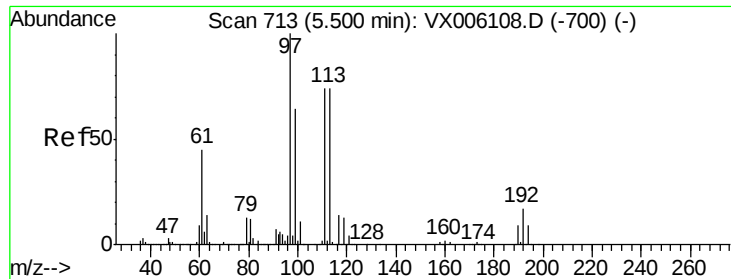
Tot Ion: 65 Resp: 199455
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

Tgt Ion: 114 Resp: 469177
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 15.0 0.0 28.6





#35

Dibromofluoromethane

Concen: 53.516 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181120

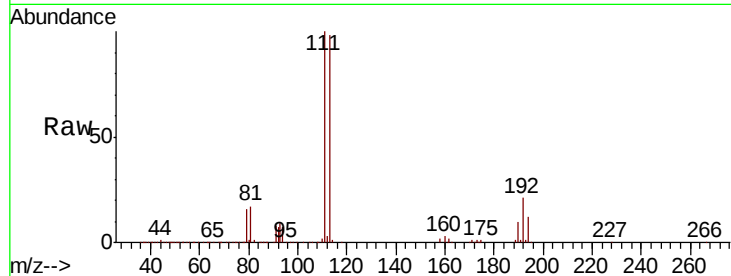
Tot Ion:113 Resp: 161177

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

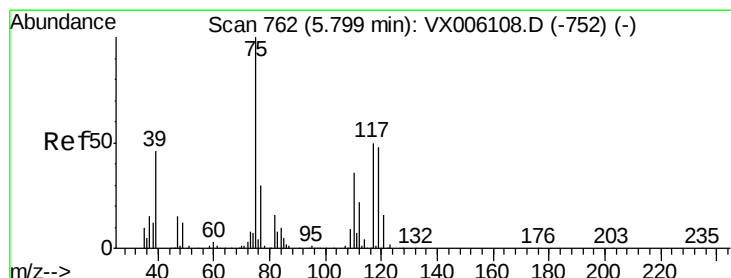
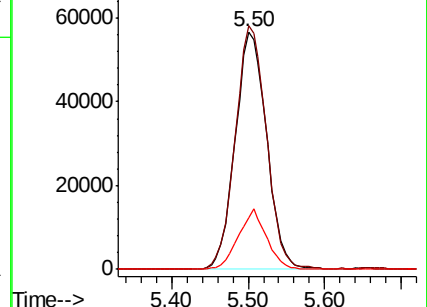
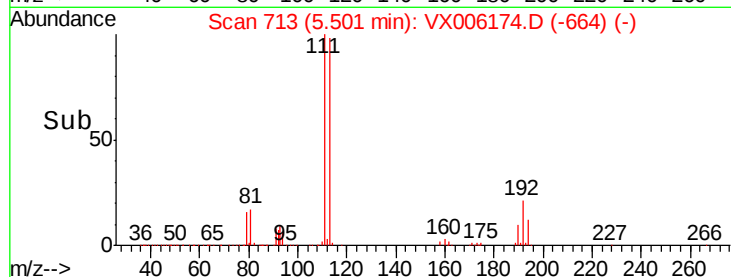
192 23.0 18.6 28.0



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: 5.166 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

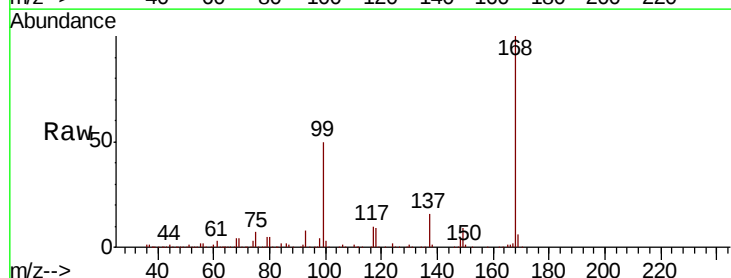
Tgt Ion: 75 Resp: 22050

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

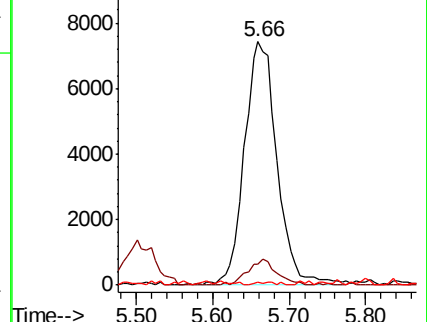
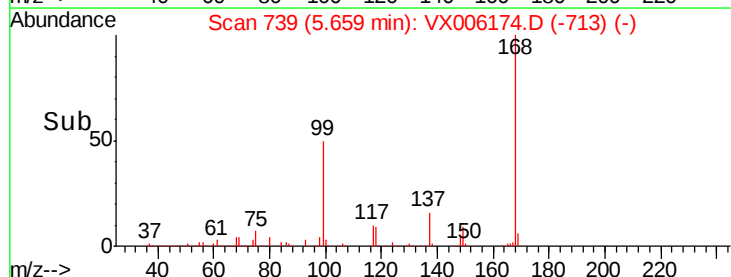
77 0.8 24.5 36.7#

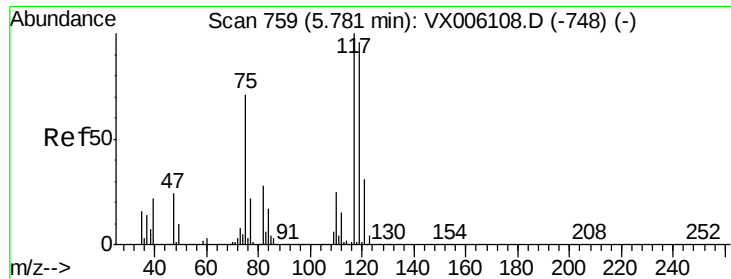


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.209 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampled :

TB-01-181120

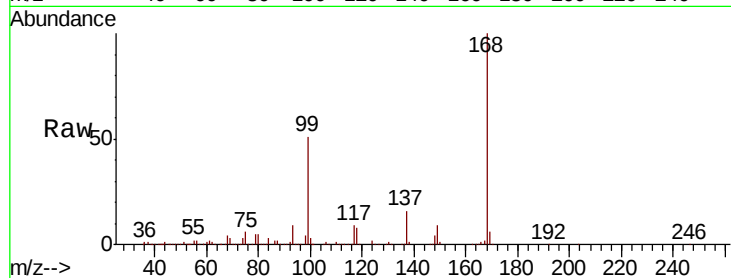
Tot Ion:117 Resp: 28921

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

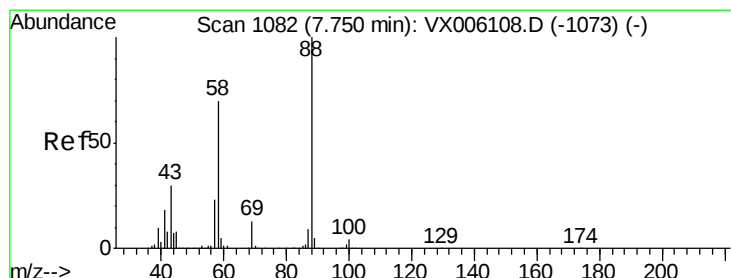
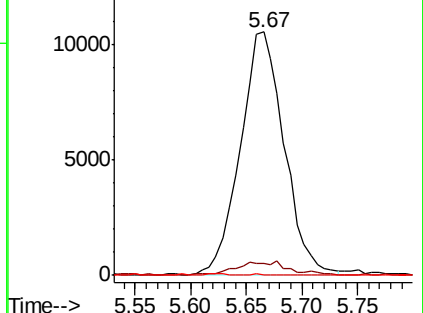
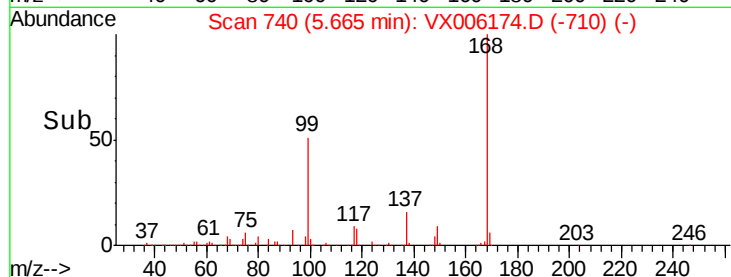
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.587 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

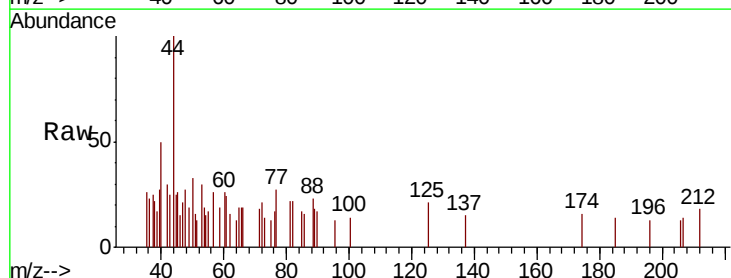
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 298.2 26.7 40.1#

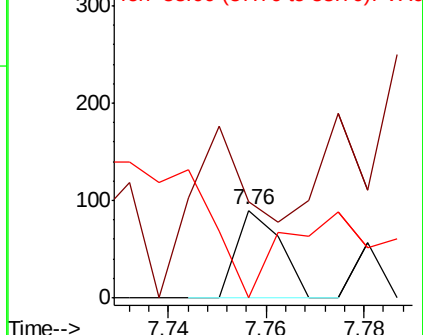
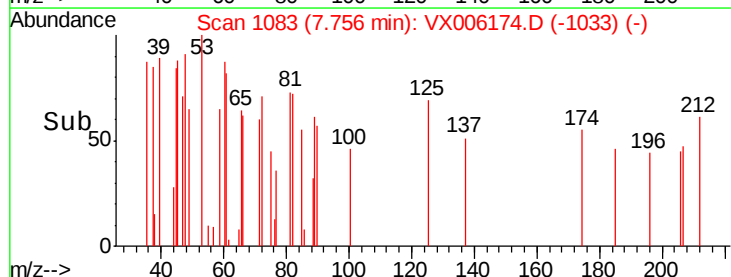
58 0.0 58.5 87.7#

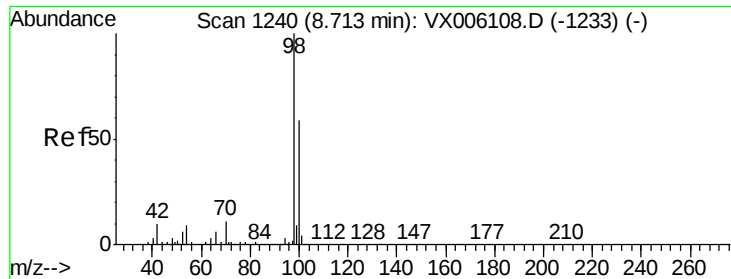


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.469 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

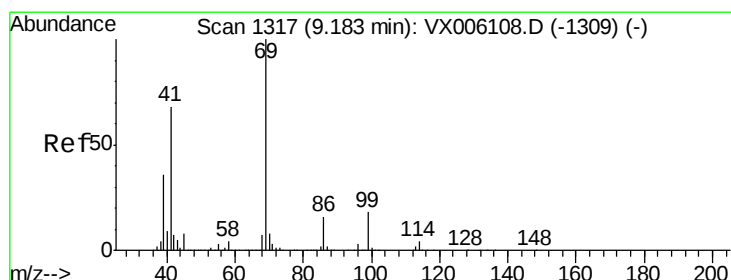
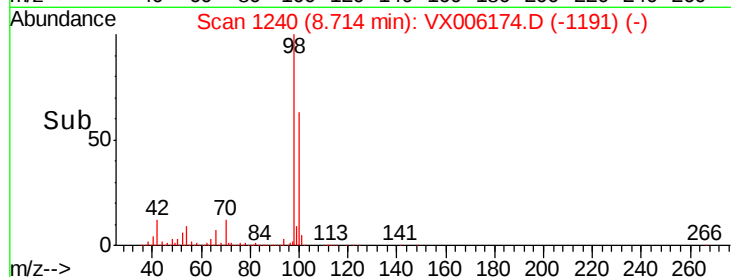
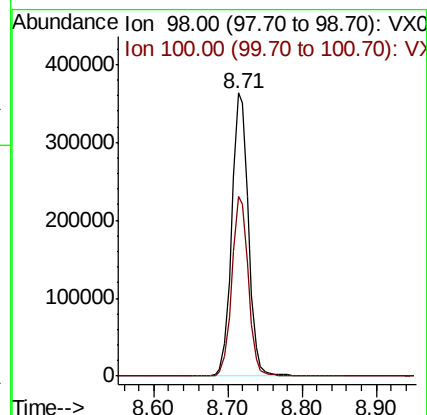
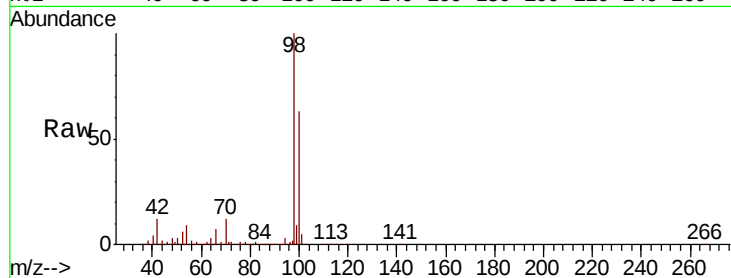
TB-01-181120

Tot Ion: 98 Resp: 568260

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.4



#56

Ethyl methacrylate

Concen: 2.889 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

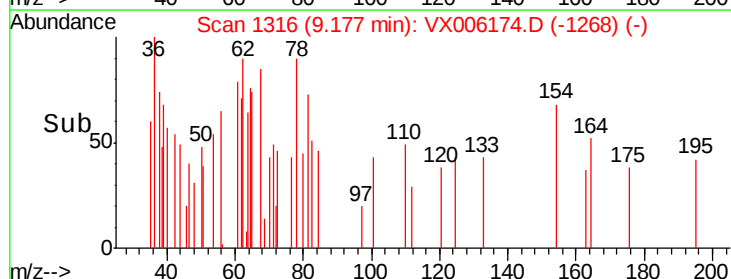
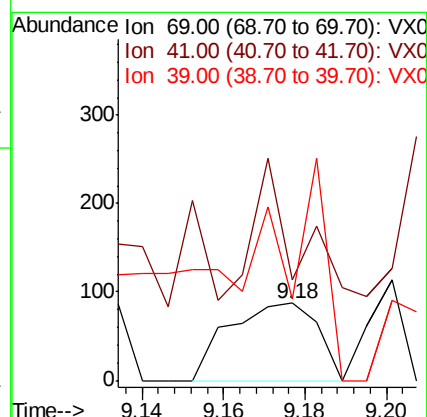
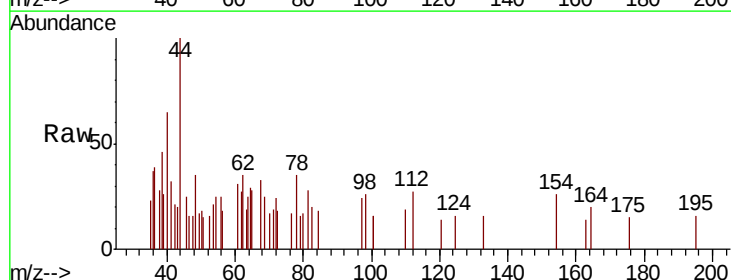
Tgt Ion: 69 Resp: 132

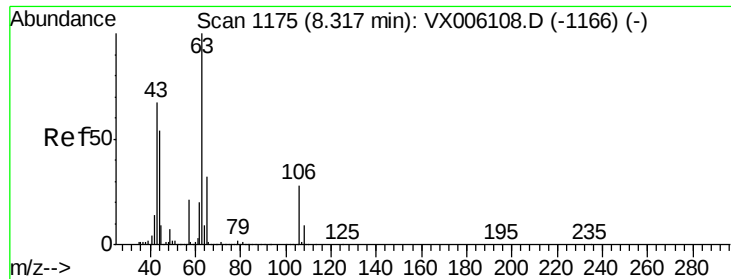
Ion Ratio Lower Upper

69 100

41 122.7 56.2 84.4#

39 150.0 29.4 44.0#

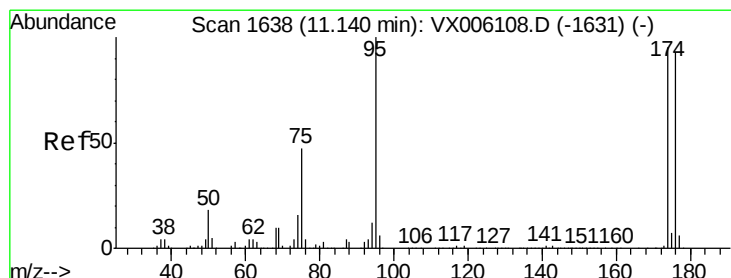
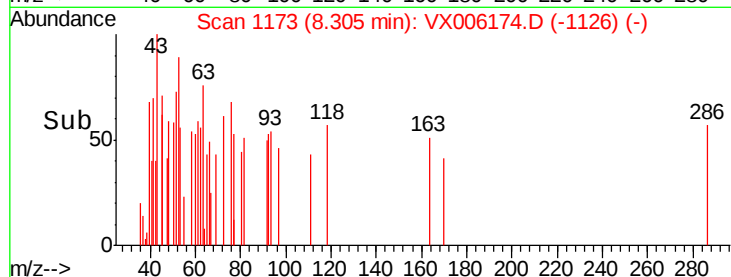
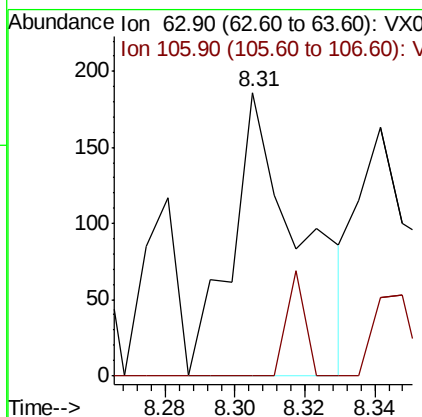
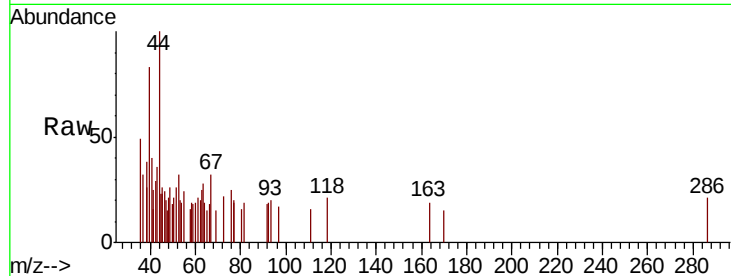




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.806 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

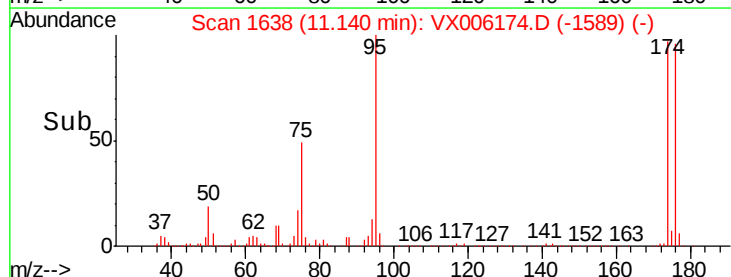
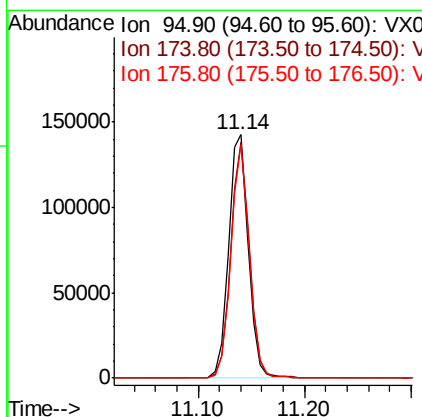
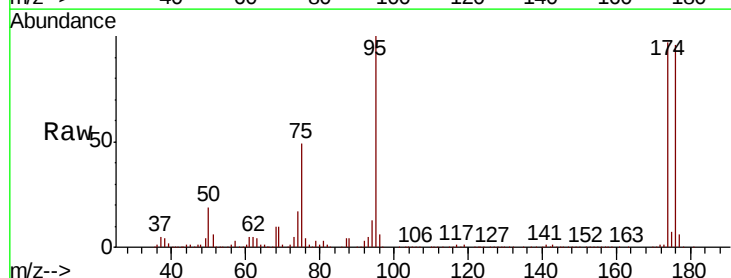
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181120

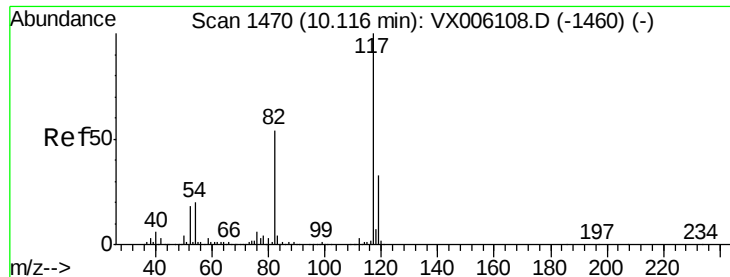
Tot Ion: 63 Resp: 254
 Ion Ratio Lower Upper
 63 100
 106 9.8 21.7 32.5#



#62
 4-Bromofluorobenzene
 Concen: 43.030 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX006174.D
 Acq: 26 Nov 2018 14:45

Tgt Ion: 95 Resp: 185463
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 184.4
 176 89.7 0.0 179.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181120

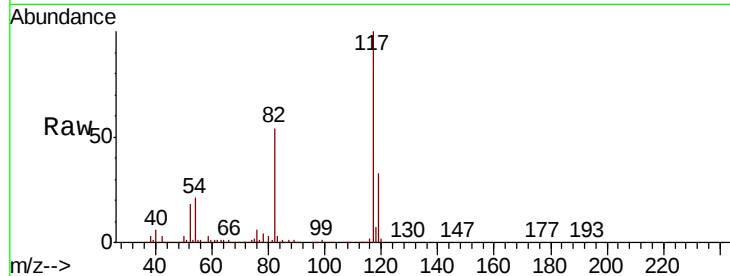
Tot Ion:117 Resp: 424888

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

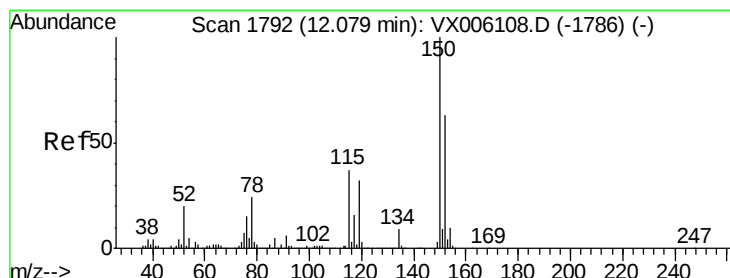
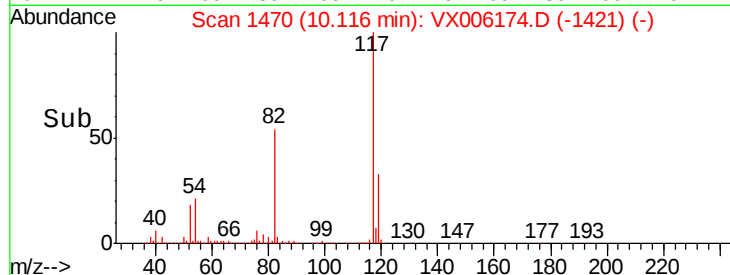
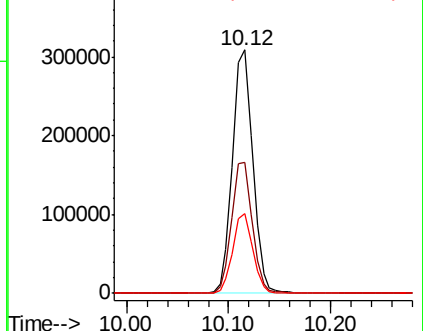
119 32.8 26.1 39.1



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

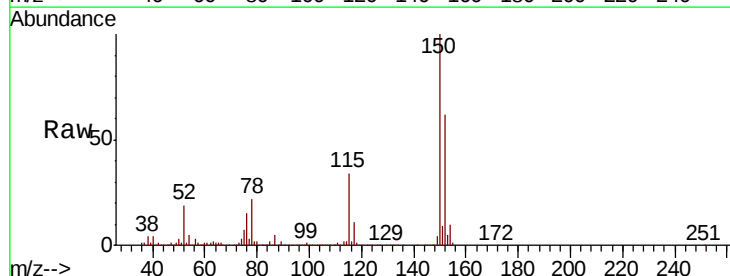
Tgt Ion:152 Resp: 199789

Ion Ratio Lower Upper

152 100

115 54.7 39.0 116.9

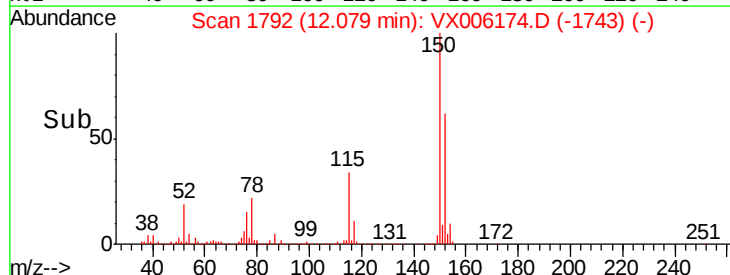
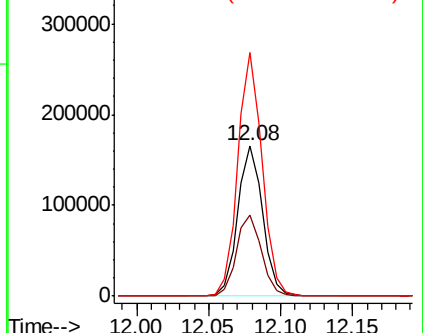
150 158.4 0.0 346.6

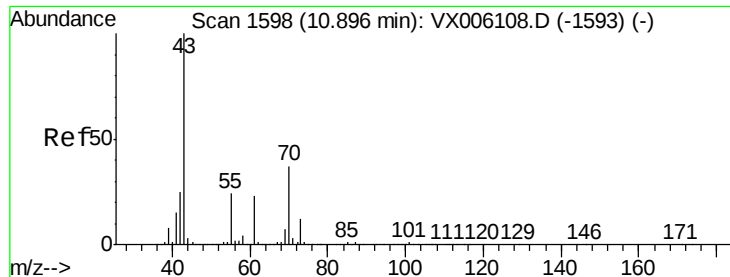


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.221 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181120

Tot Ion: 43 Resp: 181

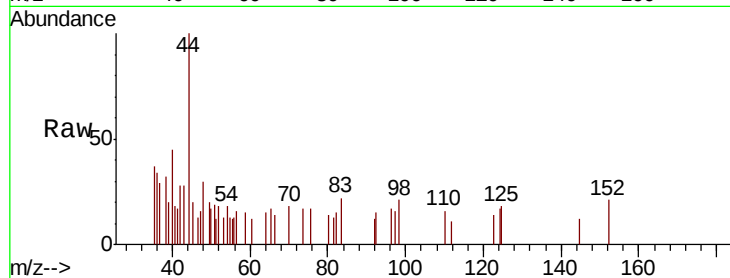
Ion Ratio Lower Upper

43 100

70 75.1 31.8 47.6#

55 0.0 19.5 29.3#

61 0.0 18.6 27.8#

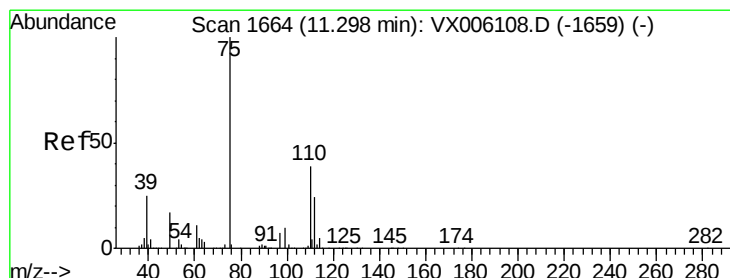
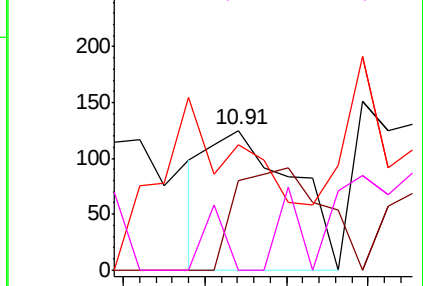
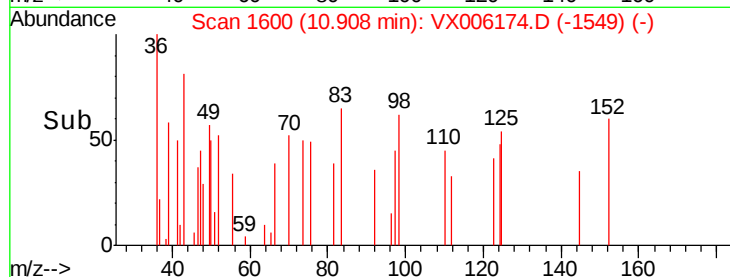


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.893 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006174.D

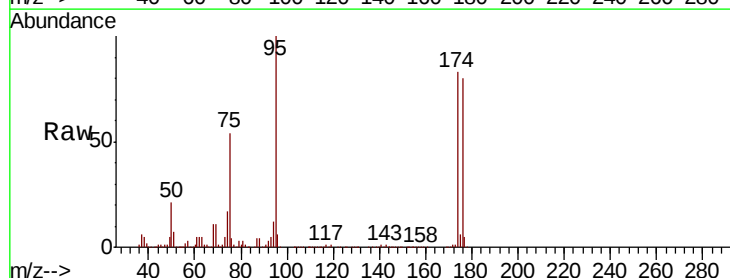
Acq: 26 Nov 2018 14:45

Tgt Ion: 75 Resp: 94164

Ion Ratio Lower Upper

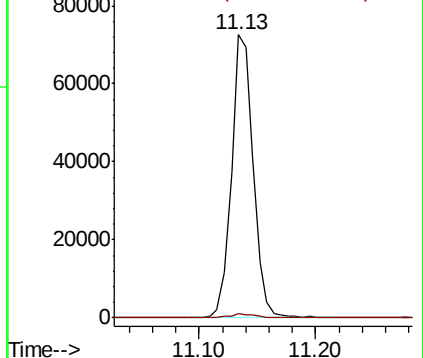
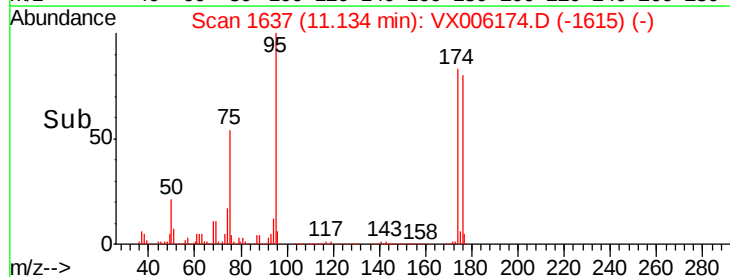
75 100

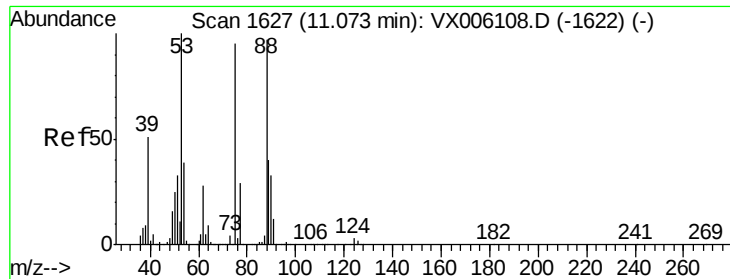
77 1.8 19.6 58.7#



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: 77.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006174.D

Acq: 26 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181120

Tot Ion: 75 Resp: 94164

Ion Ratio Lower Upper

75 100

53 0.7 85.3 127.9#

89 0.0 37.2 55.8#

