

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008238.D
 Acq On : 20 Mar 2019 13:35
 Operator : JC/SP
 Sample : K1985-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB03-20190317

Quant Time: Mar 22 05:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	546210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183038	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	233522	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
35) Dibromofluoromethane	5.50	113	170220	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	666584	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.13	95	210306	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

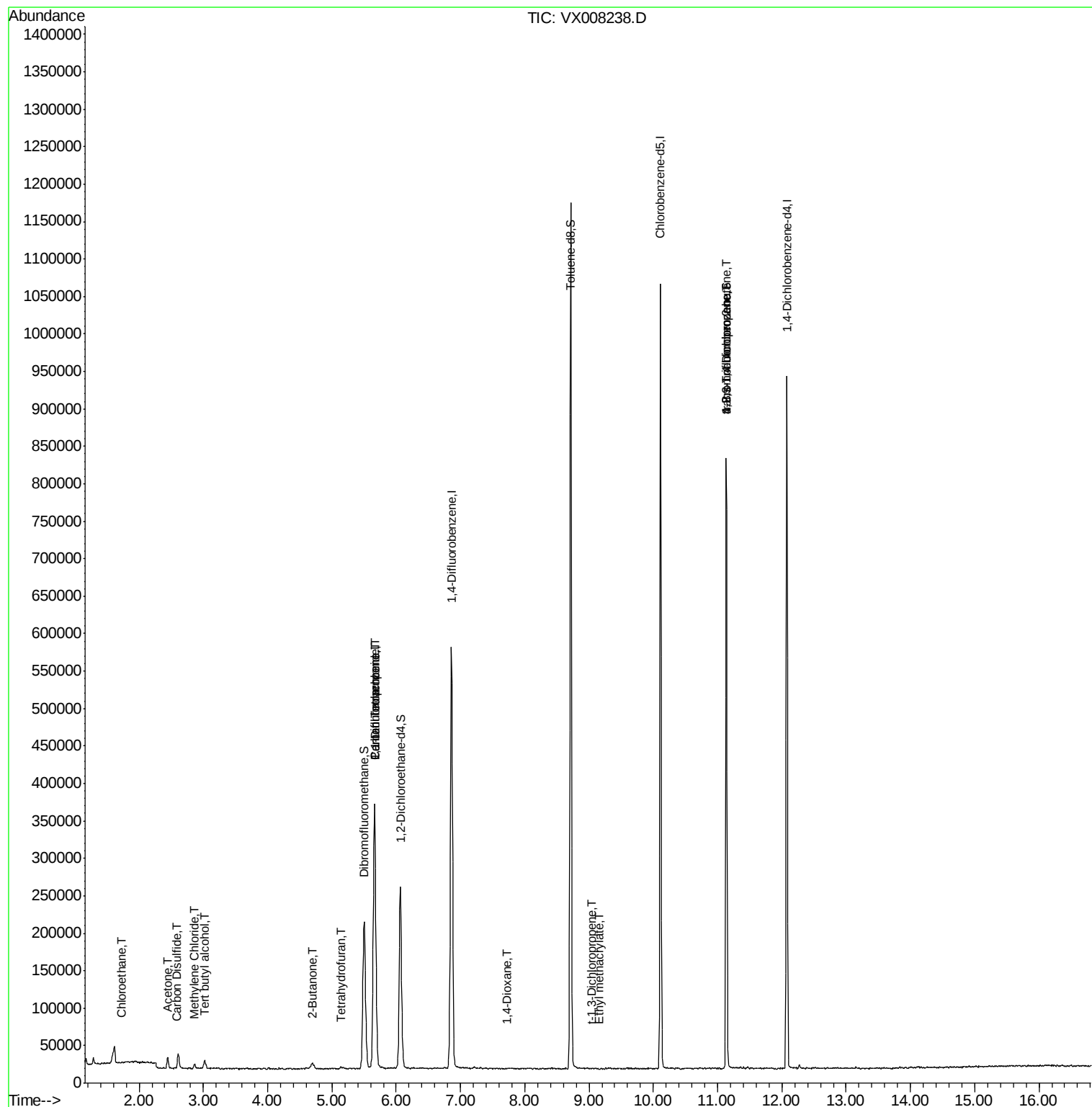
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	1298	0.409	ug/l #	48
11) Tert butyl alcohol	3.02	59	7115	6.615	ug/l #	73
13) Acrolein	2.28	56	337	Below Cal	#	69
16) Acetone	2.45	43	16624	5.834	ug/l	93
17) Carbon Disulfide	2.58	76	1187	0.764	ug/l #	91
20) Methylene Chloride	2.86	84	2993	0.630	ug/l #	92
25) 2-Butanone	4.69	43	4337	1.031	ug/l #	87
29) Tetrahydrofuran	5.14	42	2776	1.056	ug/l #	81
36) 1,1-Dichloropropene	5.67	75	27538	4.330	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32286	5.698	ug/l #	16
49) 1,4-Dioxane	7.73	88	146	1.291	ug/l	91
53) t-1,3-Dichloropropene	9.05	75	300	1.461	ug/l #	43
56) Ethyl methacrylate	9.16	69	98	0.538	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	110650	21.493	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110650	54.655	ug/l #	12

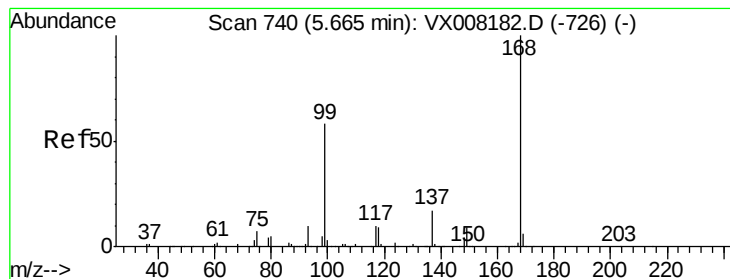
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

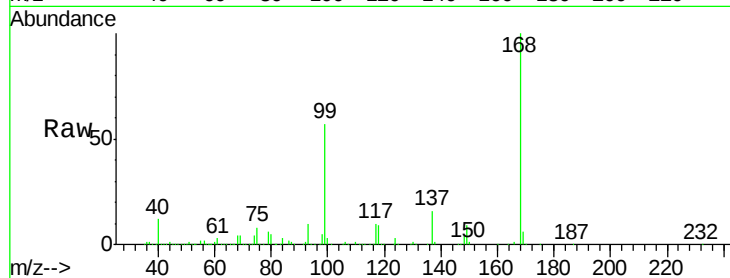
BP-EB03-20190317

Tot Ion:168 Resp: 333590

Ion Ratio Lower Upper

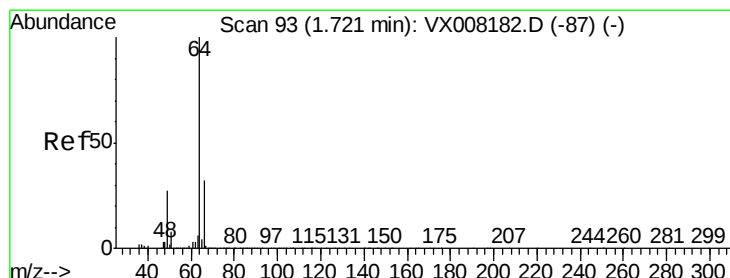
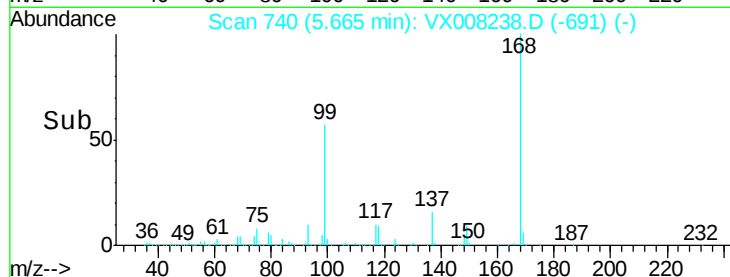
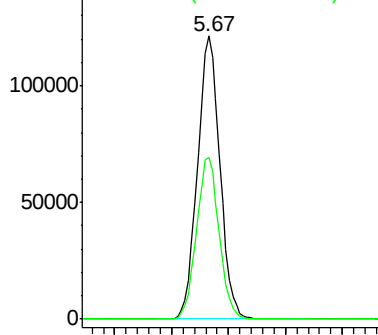
168 100

99 57.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.409 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008238.D

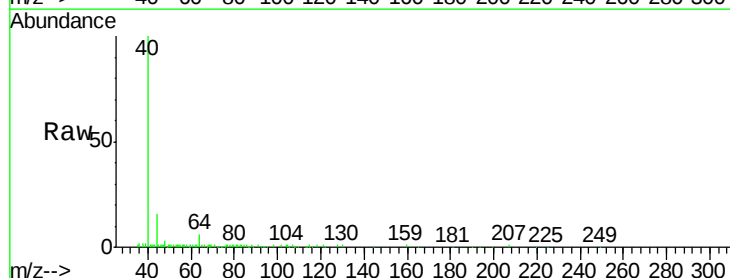
Acq: 20 Mar 2019 13:35

Tgt Ion: 64 Resp: 1298

Ion Ratio Lower Upper

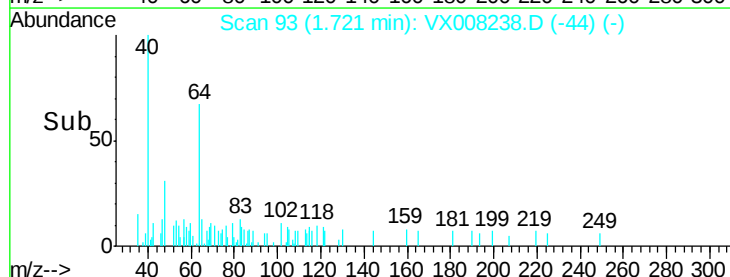
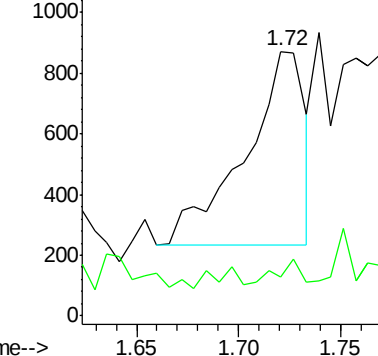
64 100

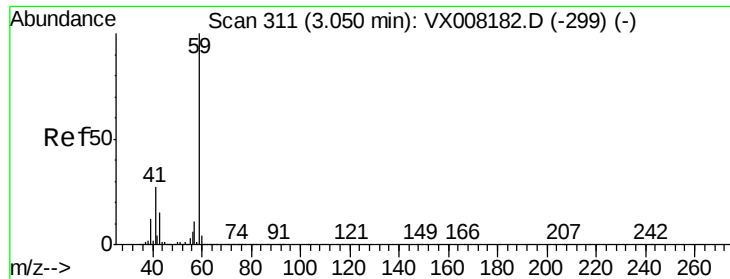
66 2.5 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

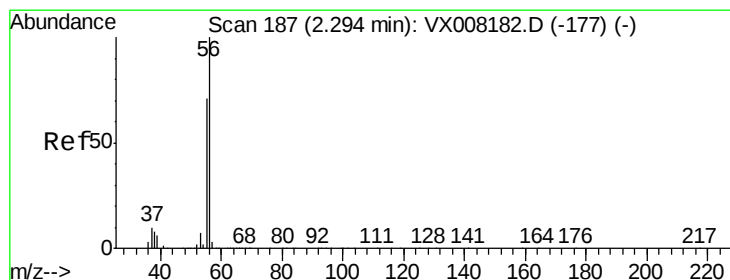
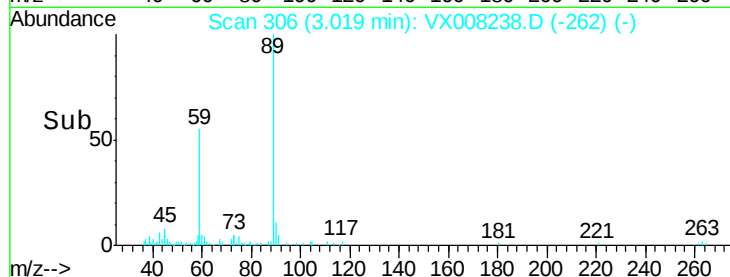
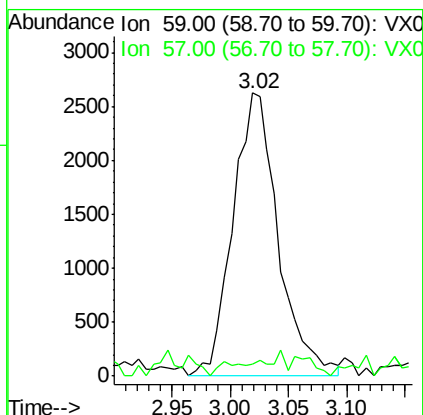
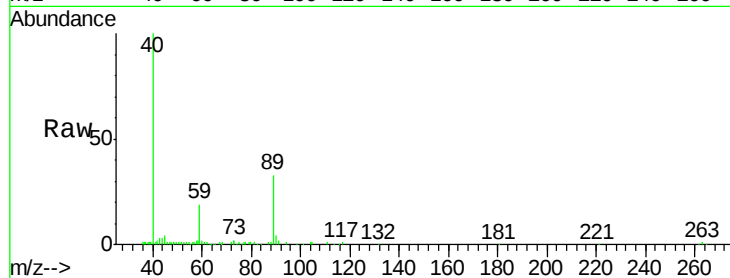




#11
Tert butyl alcohol
Concen: 6.615 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008238.D
Acq: 20 Mar 2019 13:35

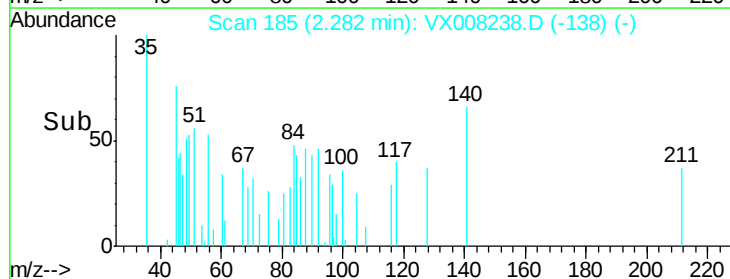
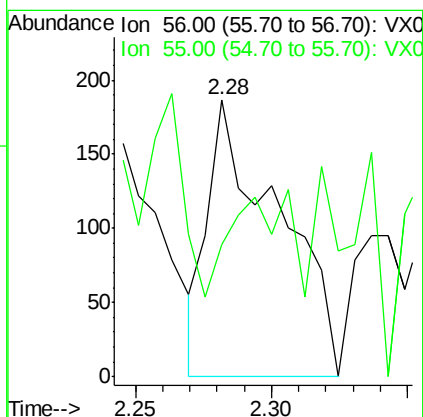
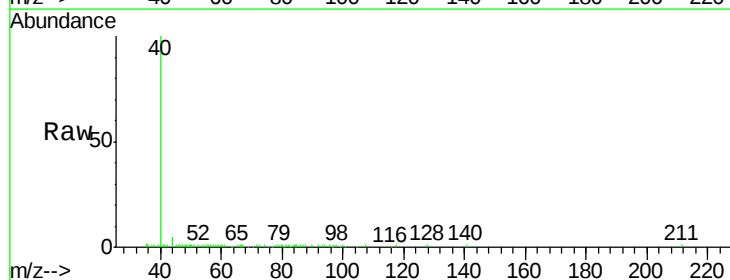
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

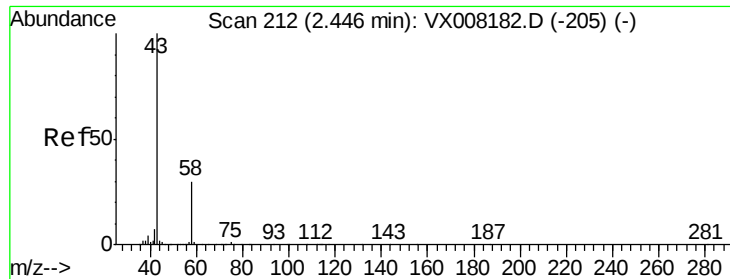
Tot Ion: 59 Resp: 7115
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008238.D
Acq: 20 Mar 2019 13:35

Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 46.3 57.8 86.6#





#16

Acetone

Concen: 5.834 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

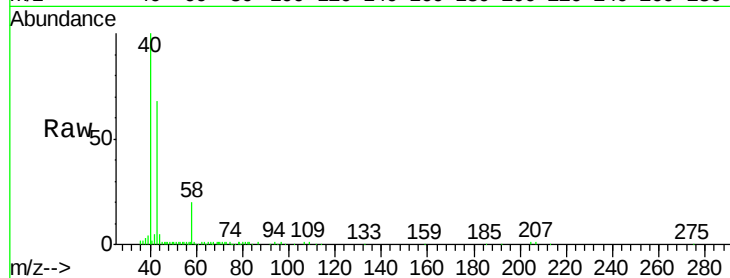
BP-EB03-20190317

Tot Ion: 43 Resp: 16624

Ion Ratio Lower Upper

43 100

58 28.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

6000

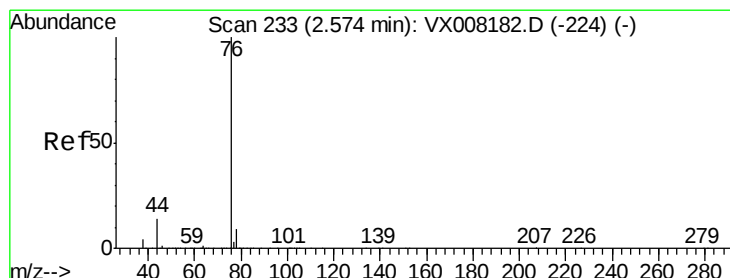
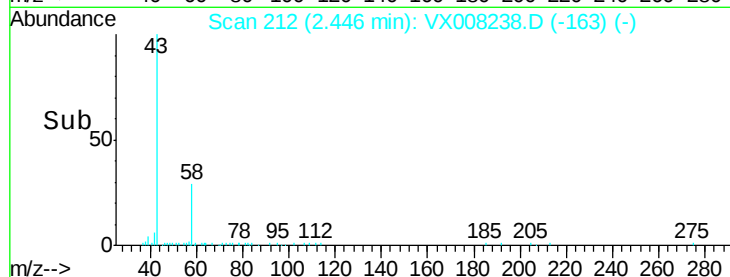
4000

2000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.764 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008238.D

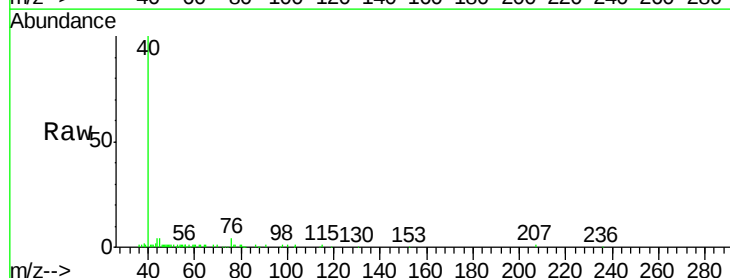
Acq: 20 Mar 2019 13:35

Tgt Ion: 76 Resp: 1187

Ion Ratio Lower Upper

76 100

78 12.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

600

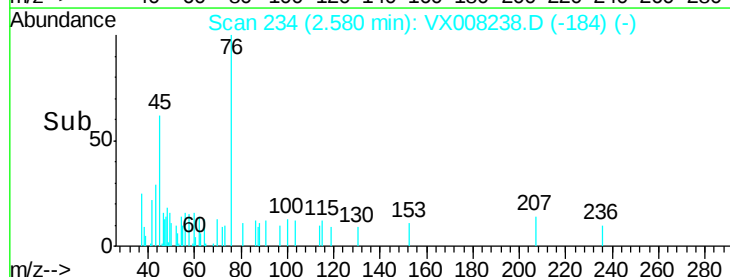
400

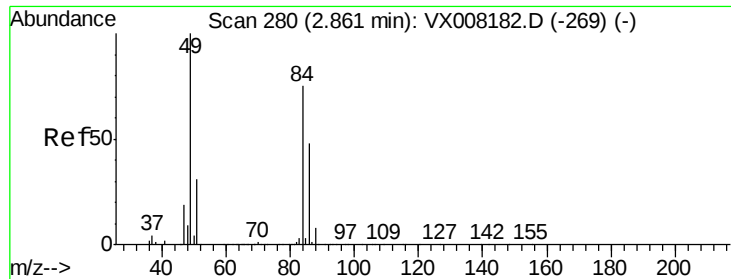
200

0

Time-->

2.50 2.55 2.60 2.65

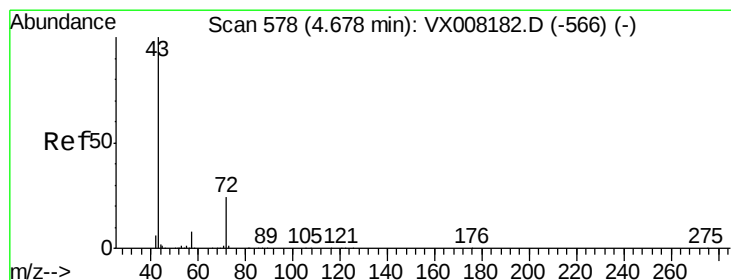
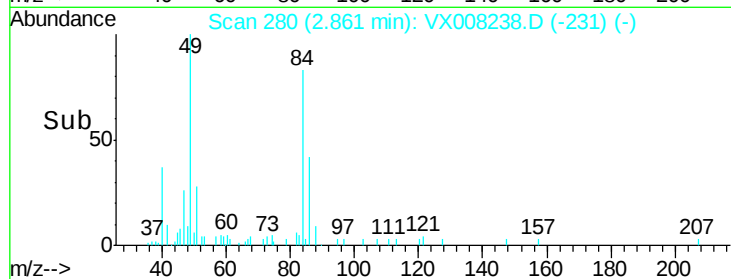
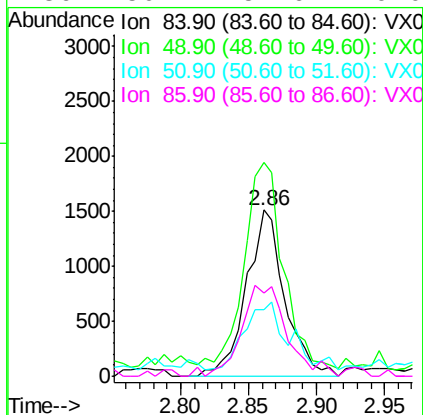
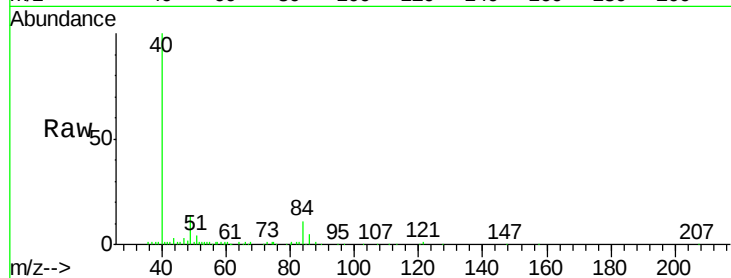




#20
Methvlene Chloride
Concen: 0.630 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008238.D
Acq: 20 Mar 2019 13:35

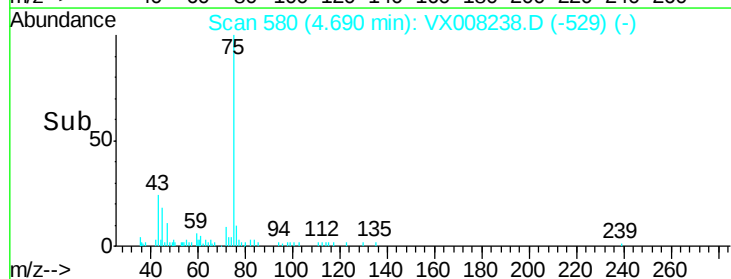
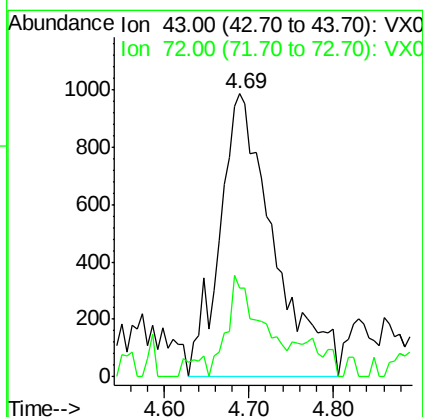
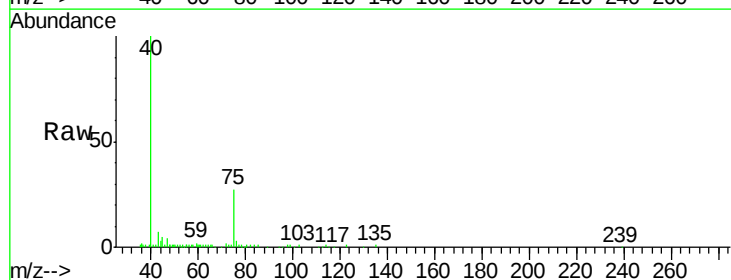
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

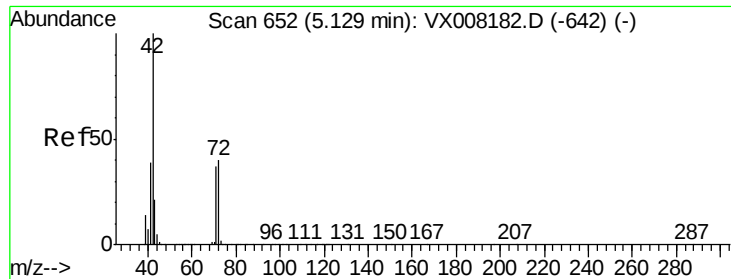
Tot Ion: 84 Resp: 2993
Ion Ratio Lower Upper
84 100
49 120.2 99.3 148.9
51 36.1 31.3 46.9
86 50.1 52.6 79.0#



#25
2-Butanone
Concen: 1.031 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX008238.D
Acq: 20 Mar 2019 13:35

Tgt Ion: 43 Resp: 4337
Ion Ratio Lower Upper
43 100
72 31.3 19.9 29.9#





#29

Tetrahydrofuran

Concen: 1.056 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

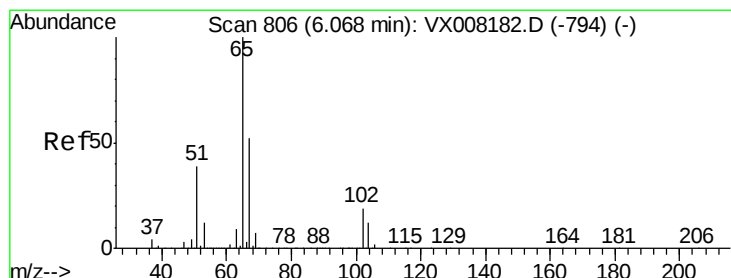
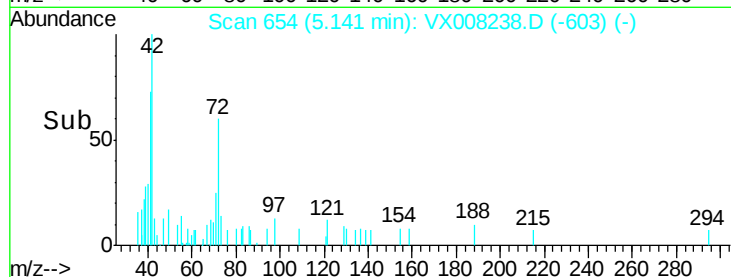
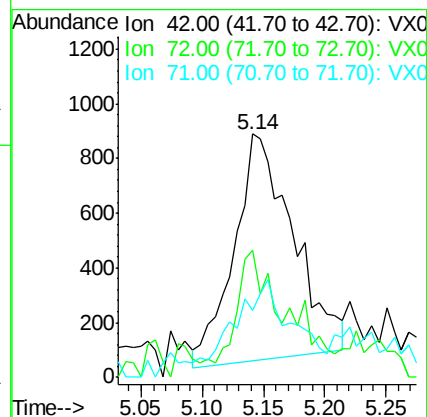
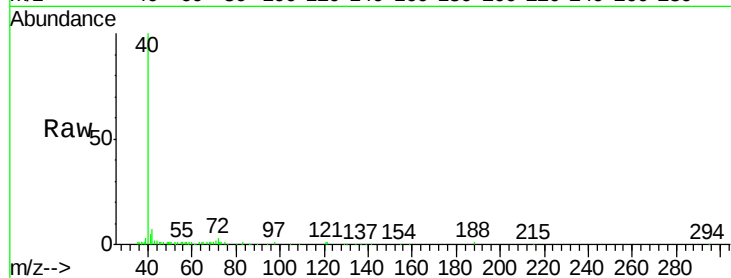
Tot Ion: 42 Resp: 2776

Ion Ratio Lower Upper

42 100

72 26.9 33.8 50.6#

71 31.6 31.5 47.3



#33

1,2-Dichloroethane-d4

Concen: 46.480 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008238.D

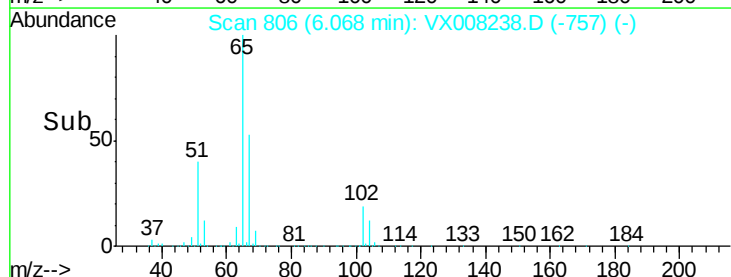
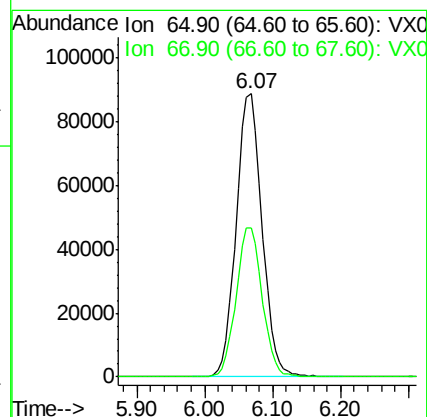
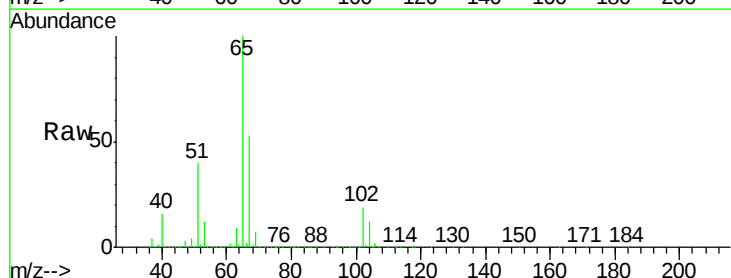
Acq: 20 Mar 2019 13:35

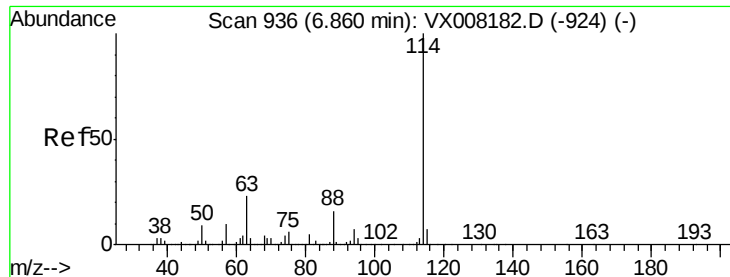
Tgt Ion: 65 Resp: 233522

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

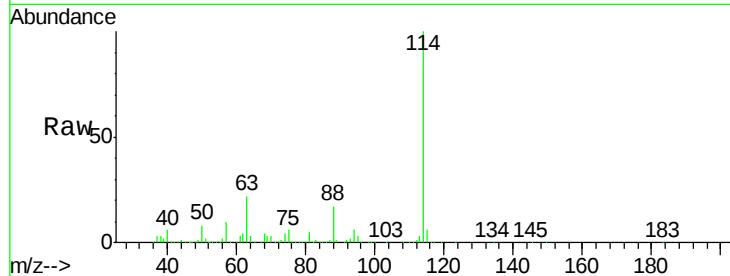
Tot Ion:114 Resp: 546210

Ion Ratio Lower Upper

114 100

63 22.3 0.0 39.8

88 17.0 0.0 31.4



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

300000

250000

200000

150000

100000

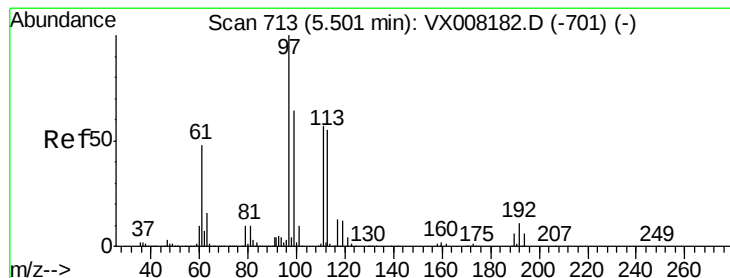
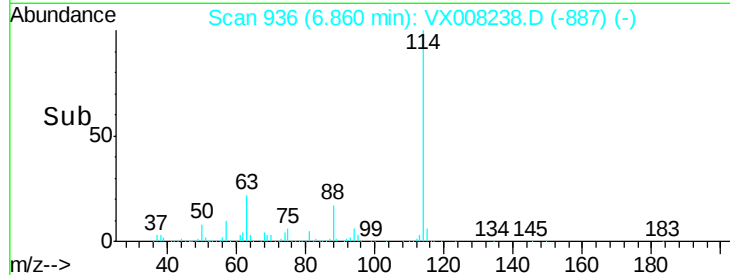
50000

0

6.86

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.553 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

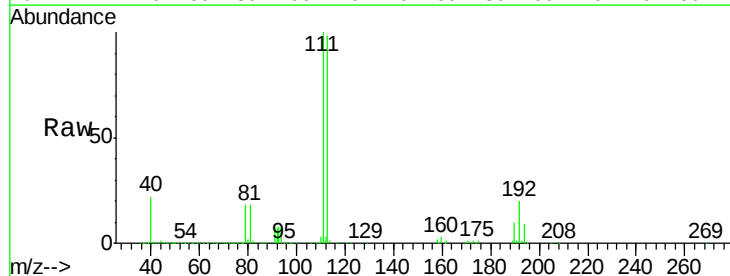
Tgt Ion:113 Resp: 170220

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 20.9 19.4 29.0



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

80000

60000

40000

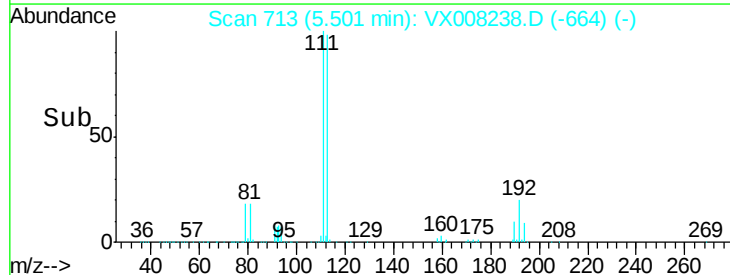
20000

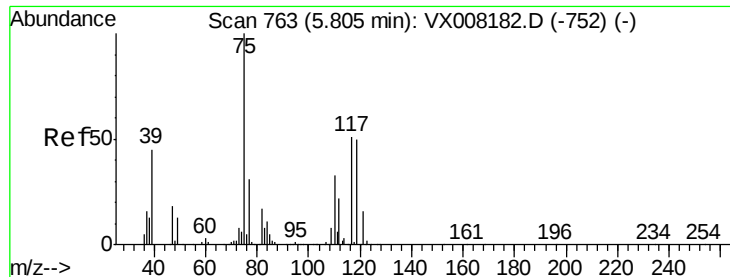
0

5.50

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

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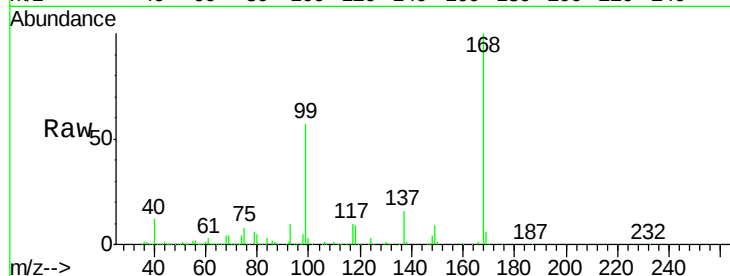
Tot Ion: 75 Resp: 27538

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

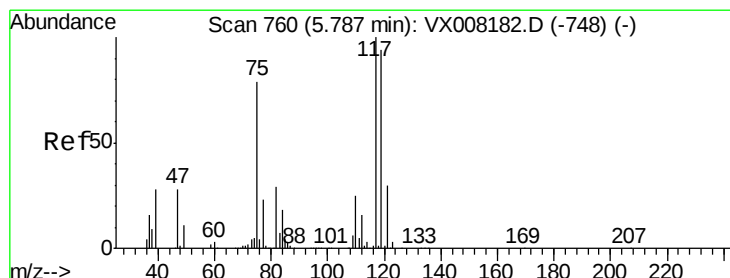
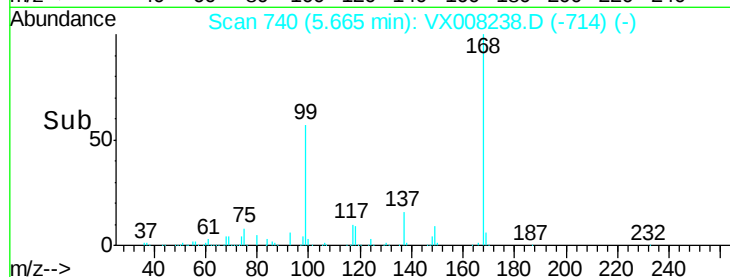
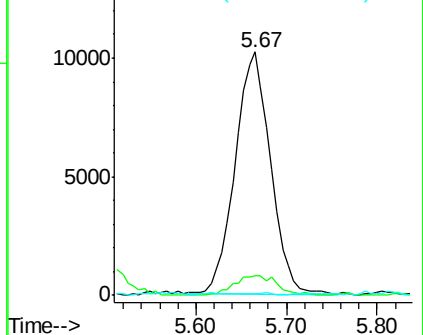
77 0.2 25.0 37.4#



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: 5.698 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

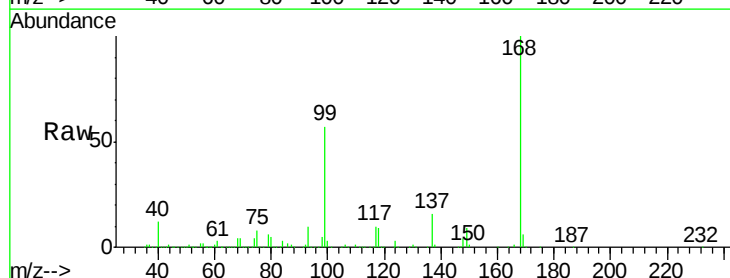
Tgt Ion:117 Resp: 32286

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

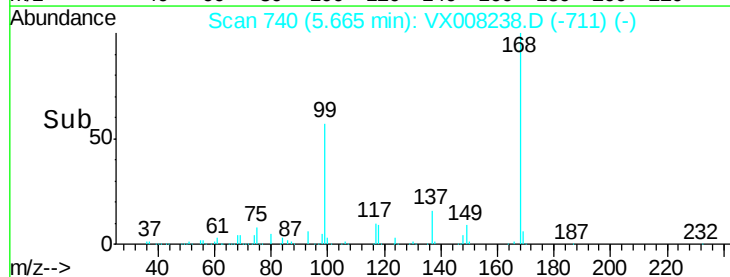
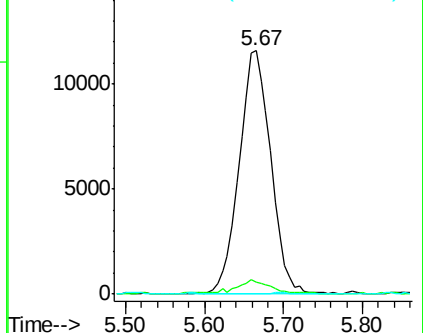
121 0.0 24.6 36.8#

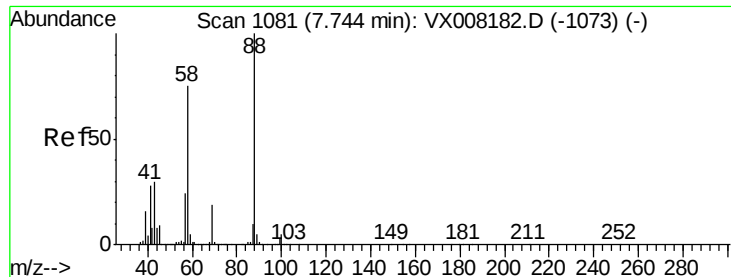


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.291 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

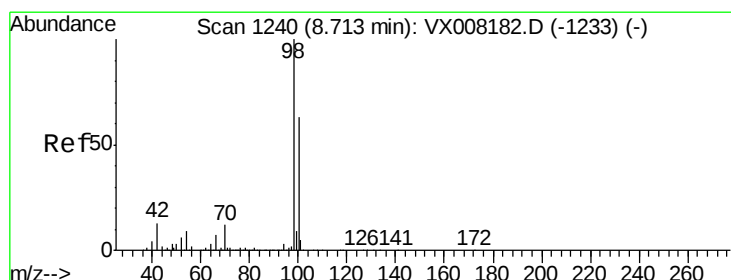
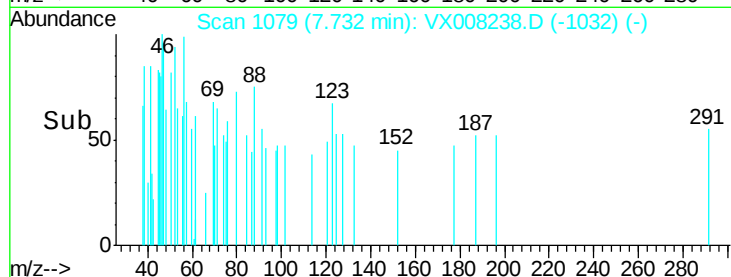
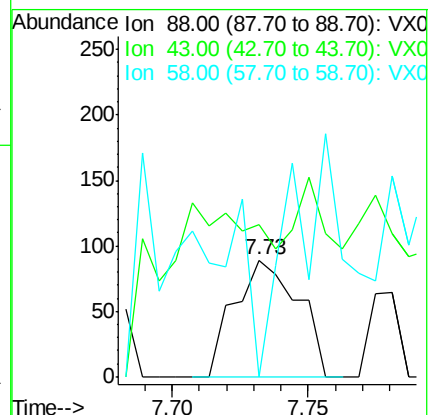
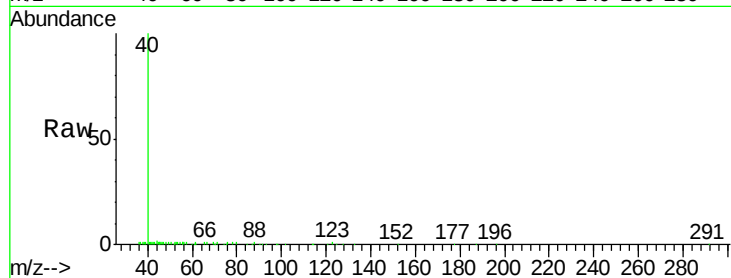
Tot Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 34.9 25.1 37.7

58 80.8 57.8 86.6



#50

Toluene-d8

Concen: 48.083 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008238.D

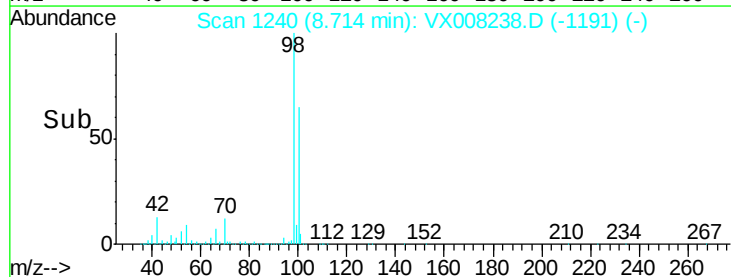
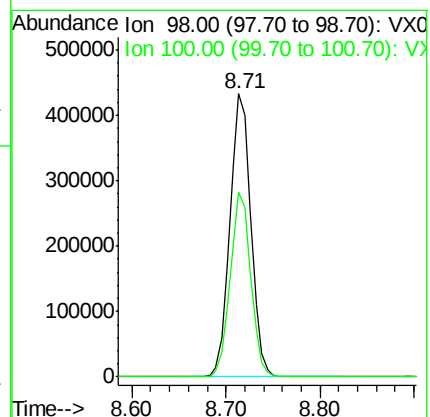
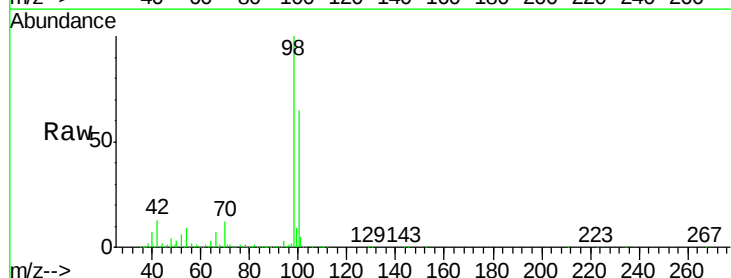
Acq: 20 Mar 2019 13:35

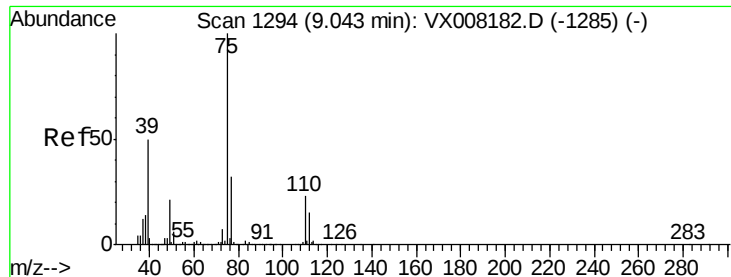
Tgt Ion: 98 Resp: 666584

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.461 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

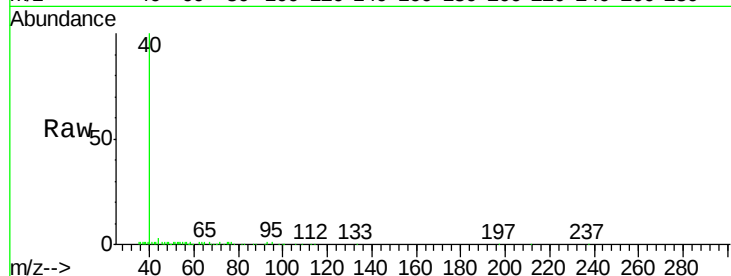
BP-EB03-20190317

Tot Ion: 75 Resp: 300

Ion Ratio Lower Upper

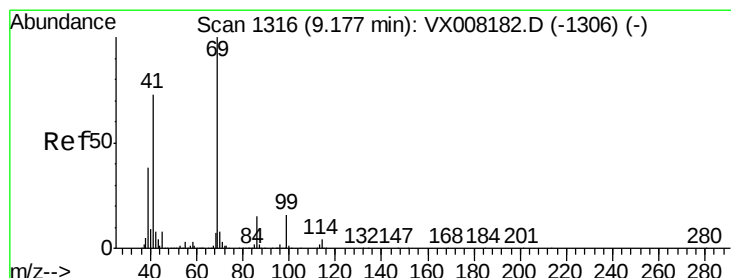
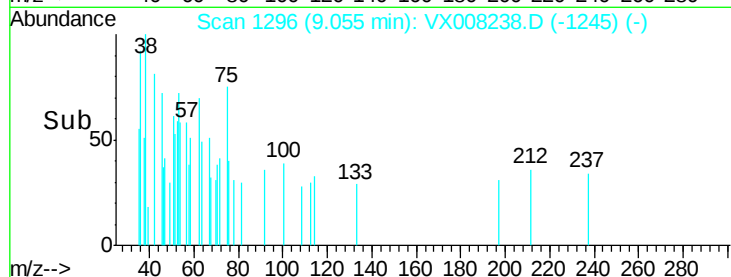
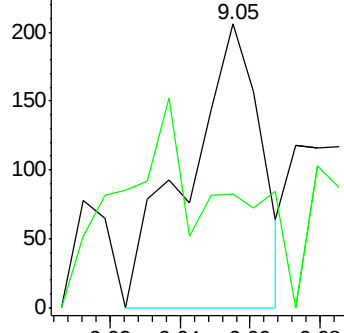
75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#56

Ethyl methacrylate

Concen: 0.538 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

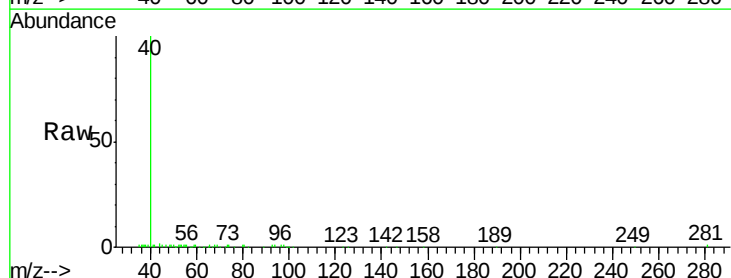
Tgt Ion: 69 Resp: 98

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

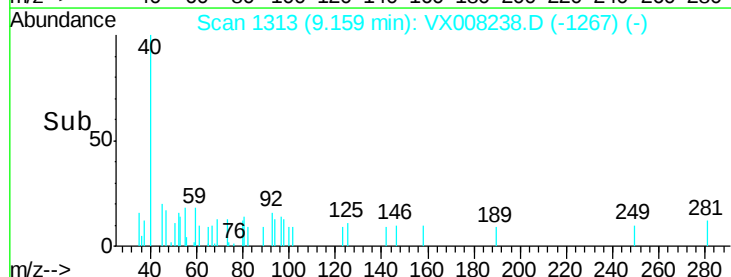
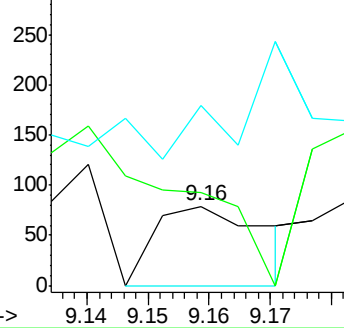
39 0.0 25.0 37.4#

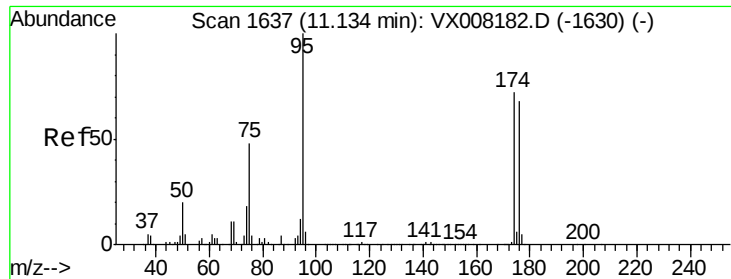


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

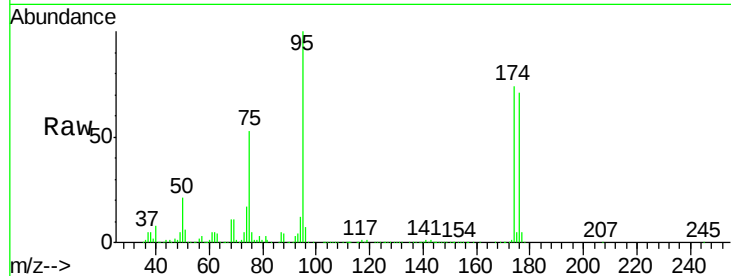
Tot Ion: 95 Resp: 210306

Ion Ratio Lower Upper

95 100

174 79.8 0.0 182.8

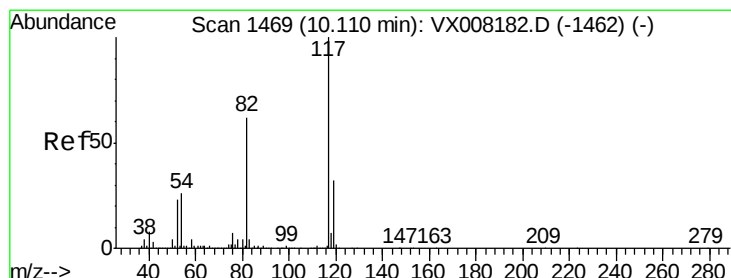
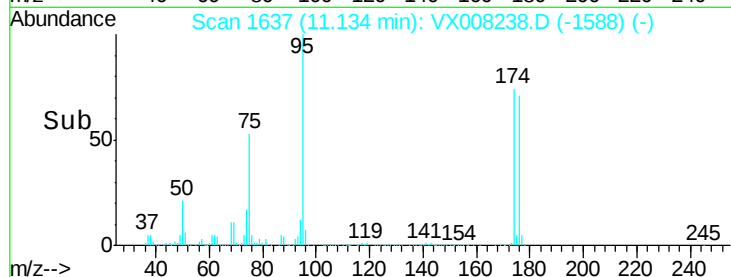
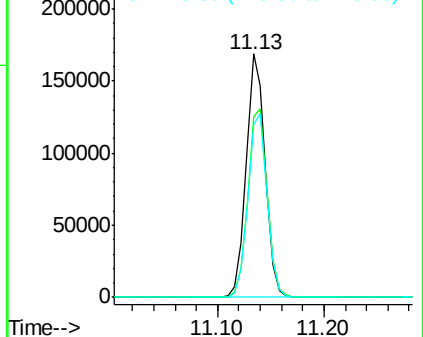
176 77.0 0.0 178.0



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

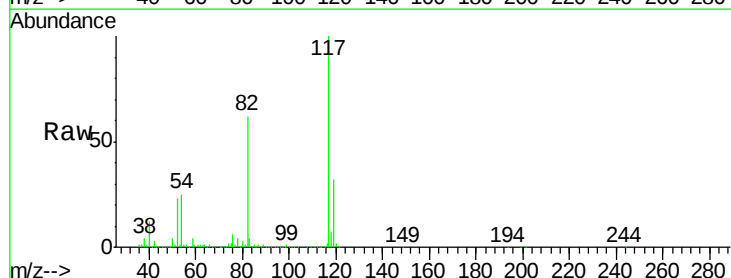
Tgt Ion: 117 Resp: 457622

Ion Ratio Lower Upper

117 100

82 61.6 44.3 66.5

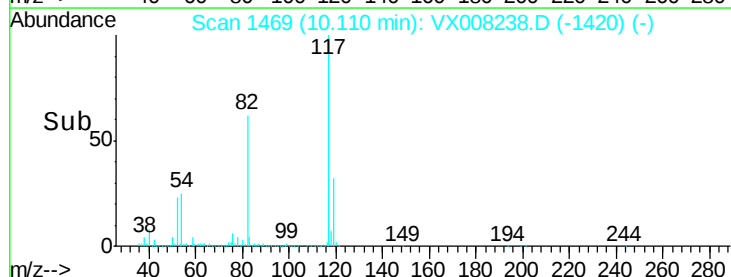
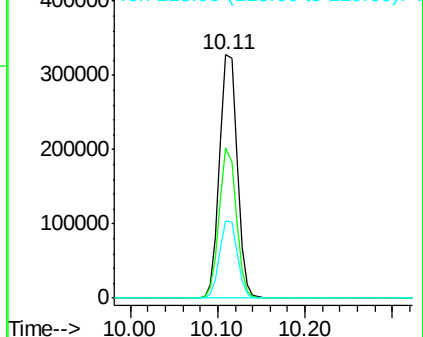
119 31.9 25.3 37.9

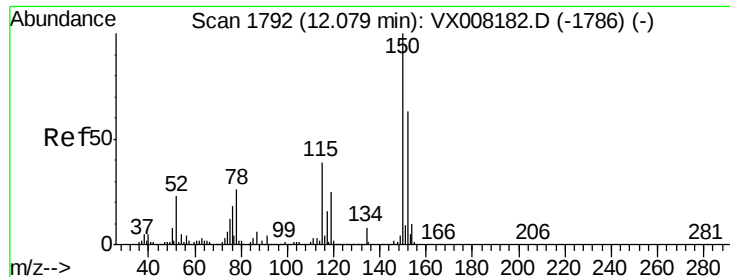


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

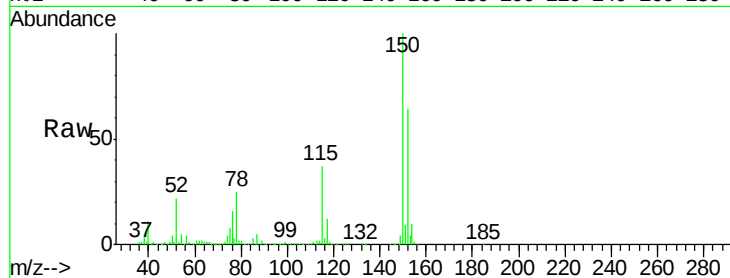
Tot Ion:152 Resp: 183038

Ion Ratio Lower Upper

152 100

115 60.1 38.6 115.7

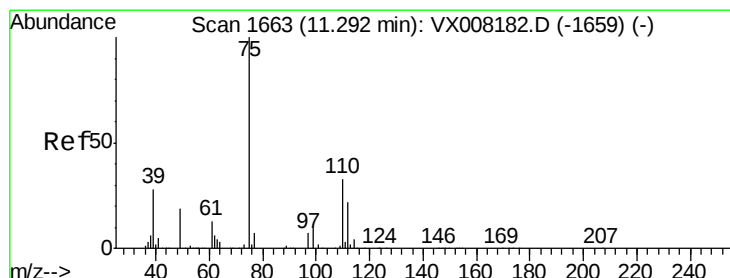
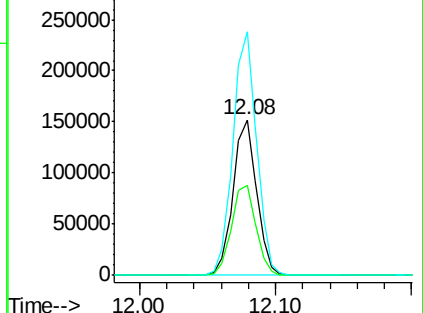
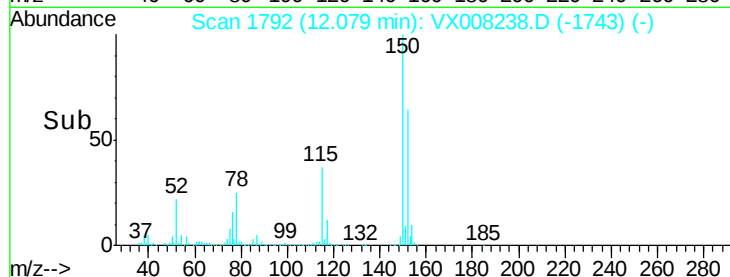
150 157.3 0.0 348.4



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: 21.493 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008238.D

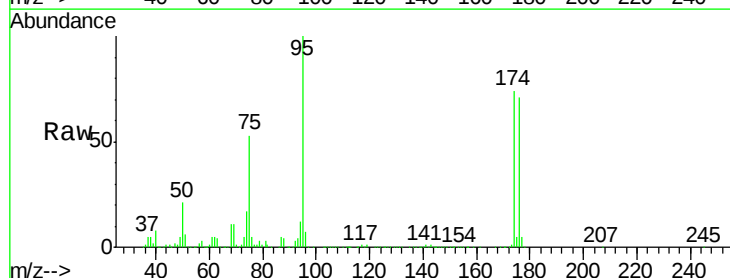
Acq: 20 Mar 2019 13:35

Tgt Ion: 75 Resp: 110650

Ion Ratio Lower Upper

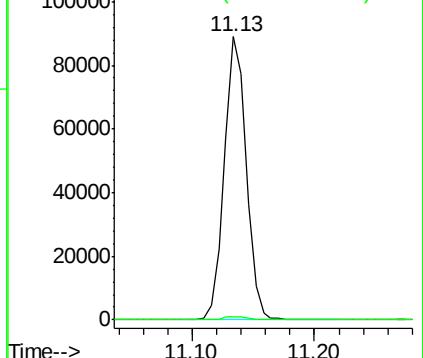
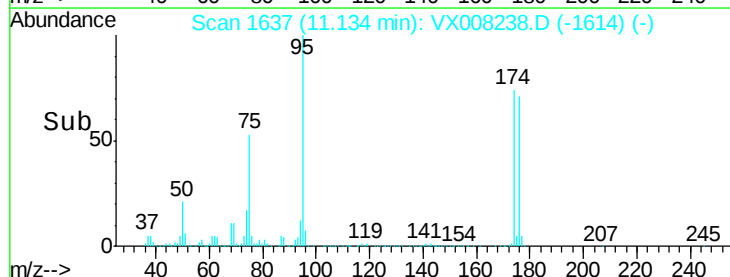
75 100

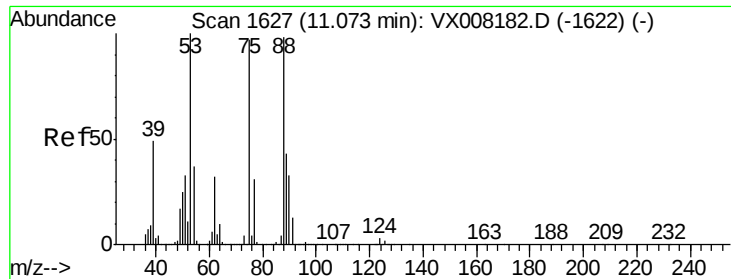
77 1.6 18.9 56.7#



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: 54.655 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008238.D

Acq: 20 Mar 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

Tot Ion: 75 Resp: 110650

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.3 54.5#

