

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008213.D
 Acq On : 20 Mar 2019 01:32
 Operator : JC/SP
 Sample : K1882-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP01-20190312

Quant Time: Mar 20 08:37:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	550160	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	463790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186773	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	235541	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.50	113	171735	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	8.71	98	672667	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.13	95	214052	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	

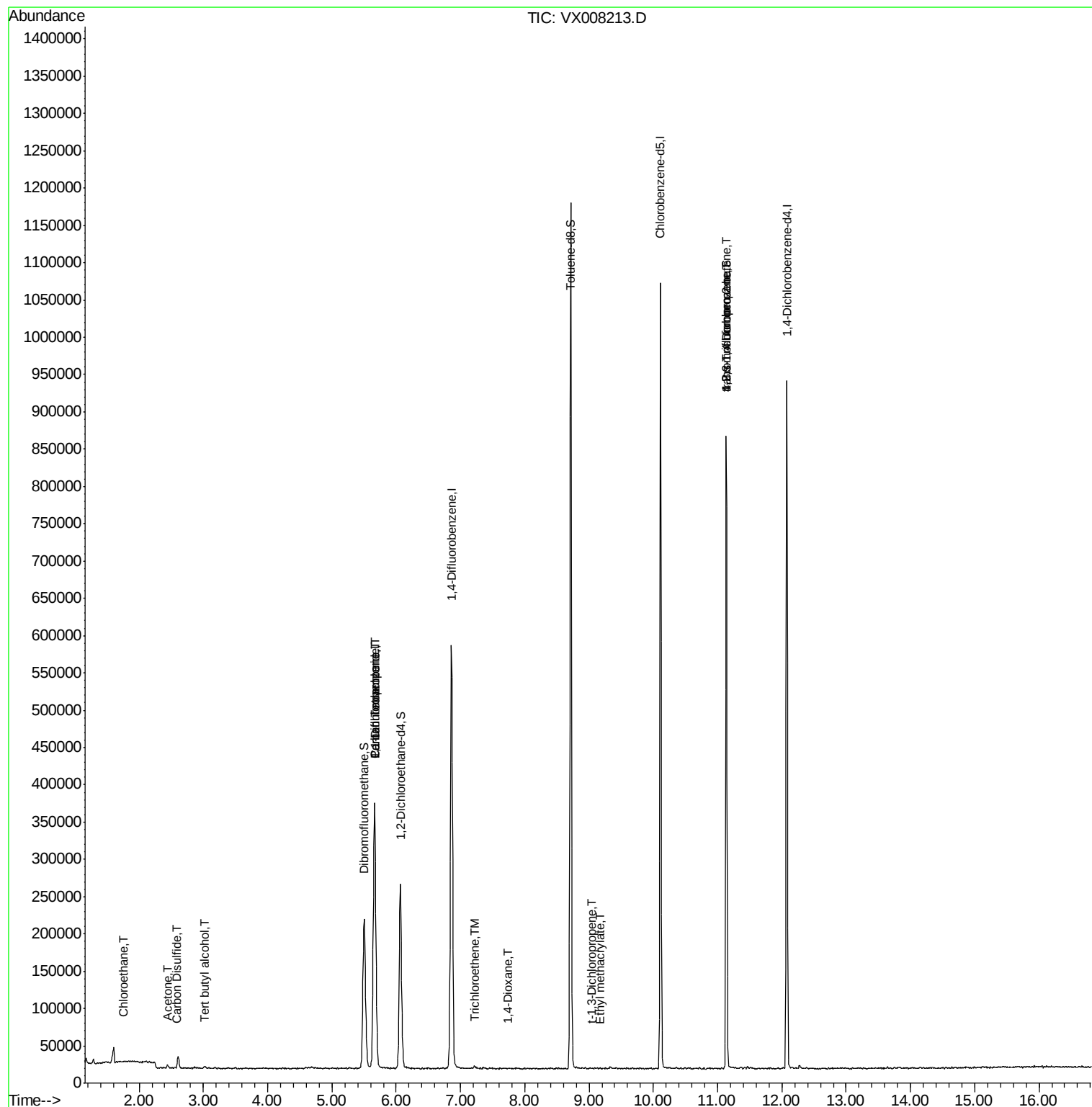
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1436	0.450	ug/l #	44
11) Tert butyl alcohol	3.01	59	1298	1.200	ug/l #	87
13) Acrolein	2.27	56	170	Below Cal	#	38
16) Acetone	2.44	43	5151	1.797	ug/l #	79
17) Carbon Disulfide	2.57	76	1381	0.778	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	27105	4.232	ug/l #	50
38) Carbon Tetrachloride	5.67	117	33816	5.925	ug/l #	16
44) Trichloroethene	7.21	130	944	0.204	ug/l	88
49) 1,4-Dioxane	7.74	88	75	0.659	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	131	1.439	ug/l #	61
56) Ethyl methacrylate	9.17	69	129	0.542	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	111723	21.268	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	111723	54.096	ug/l #	12

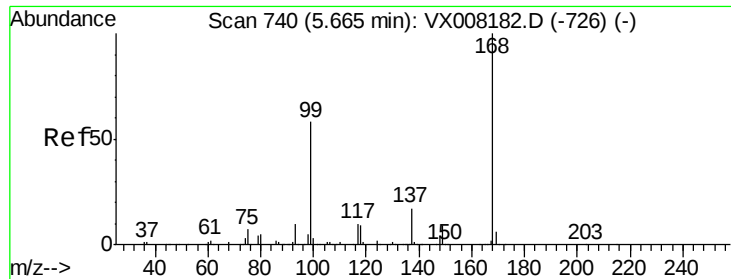
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

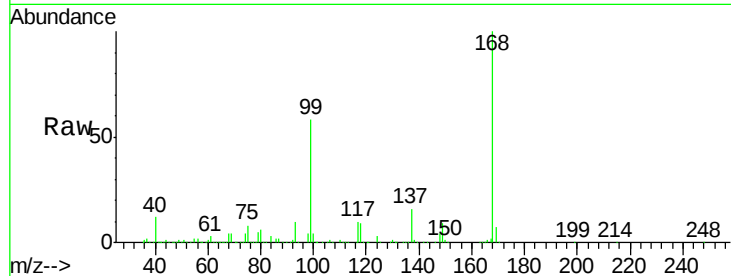
BP-DUP01-20190312

Tot Ion:168 Resp: 335484

Ion Ratio Lower Upper

168 100

99 58.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

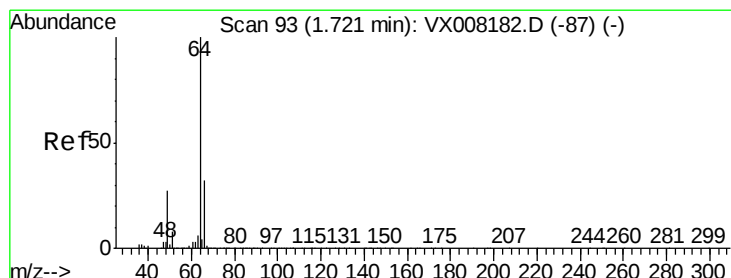
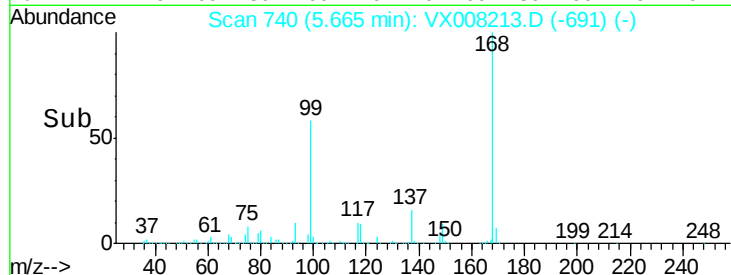
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.450 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX008213.D

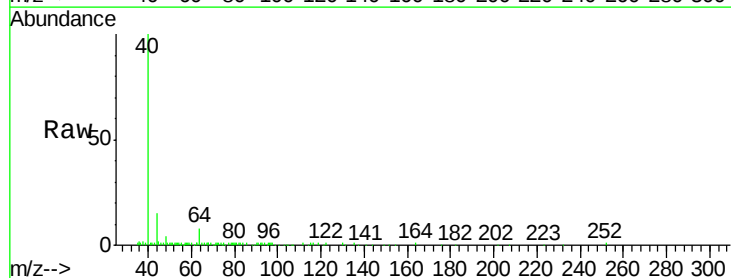
Acq: 20 Mar 2019 01:32

Tgt Ion: 64 Resp: 1436

Ion Ratio Lower Upper

64 100

66 0.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1200

1000

800

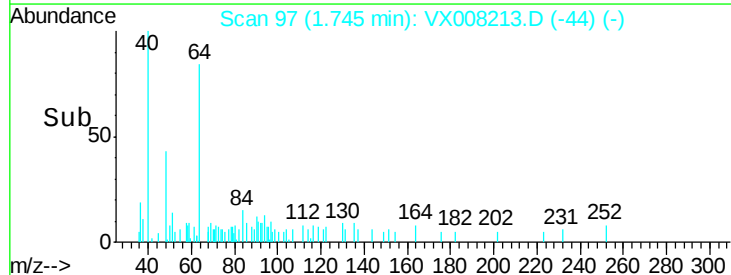
600

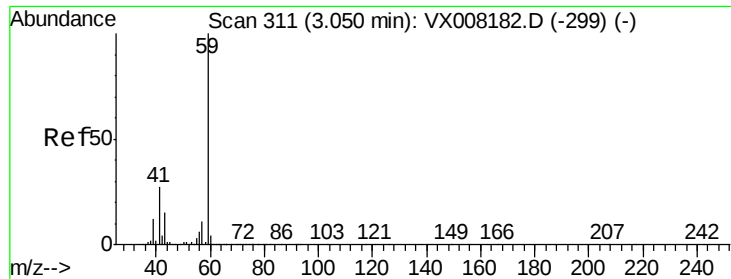
400

200

0

Time--> 1.65 1.70 1.75

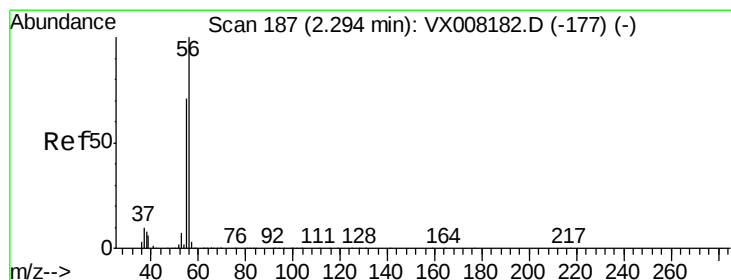
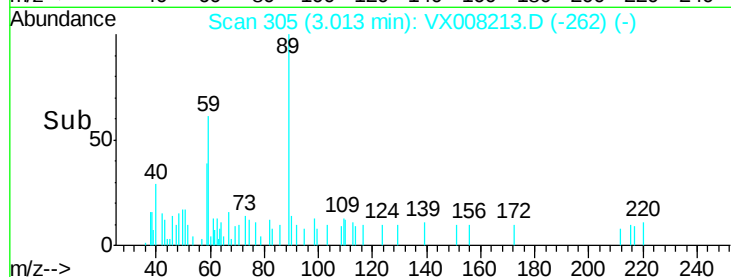
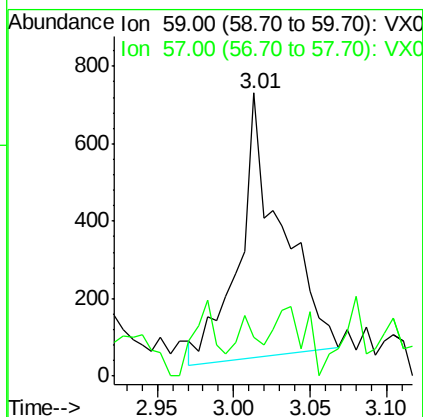
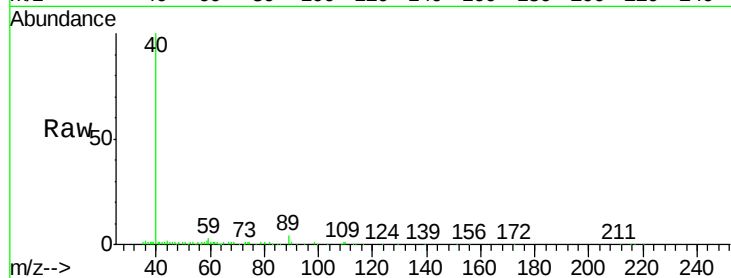




#11
Tert butvl alcohol
Concen: 1.200 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

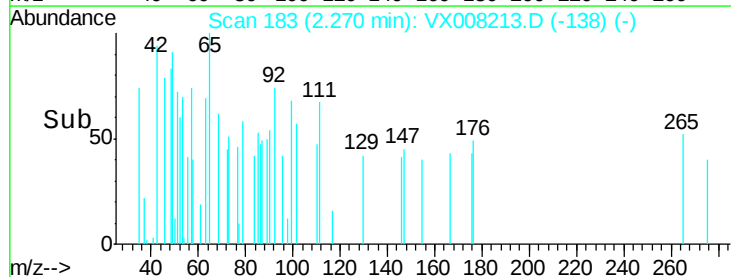
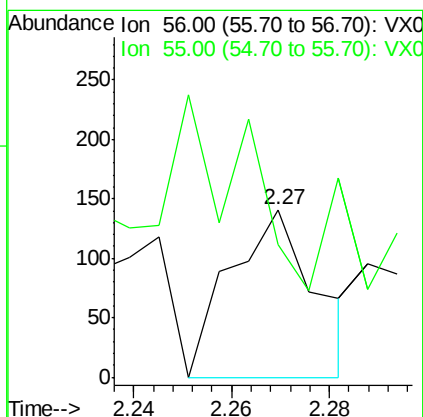
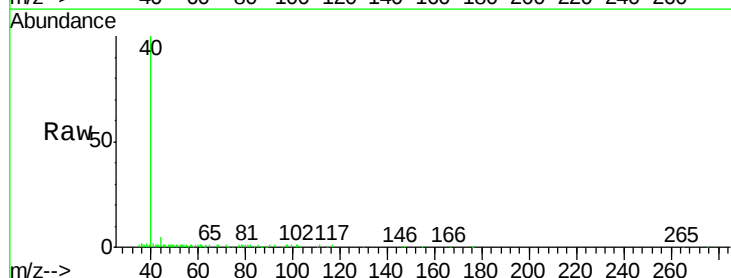
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP01-20190312

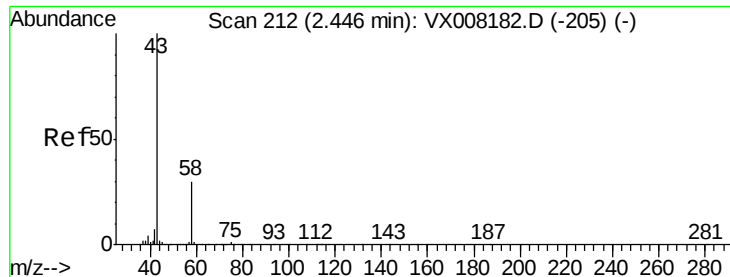
Tot Ion: 59 Resp: 1298
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 20.6 57.8 86.6#





#16

Acetone

Concen: 1.797 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

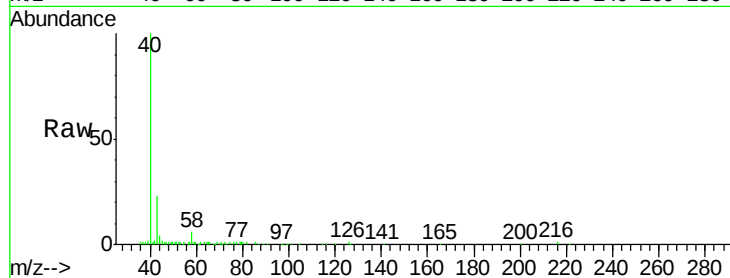
BP-DUP01-20190312

Tot Ion: 43 Resp: 5151

Ion Ratio Lower Upper

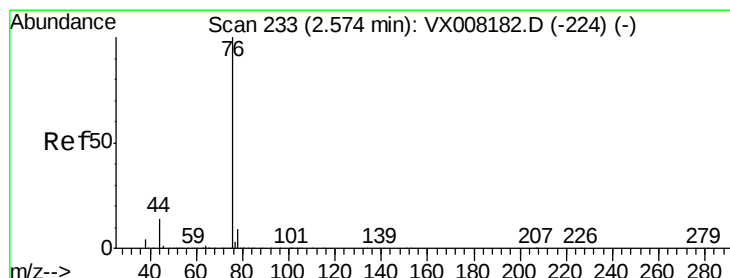
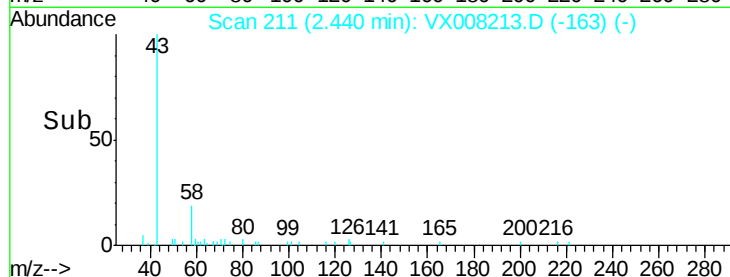
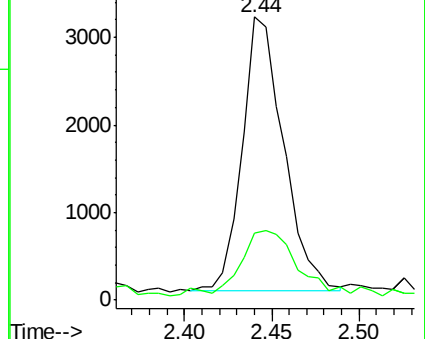
43 100

58 20.3 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.778 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008213.D

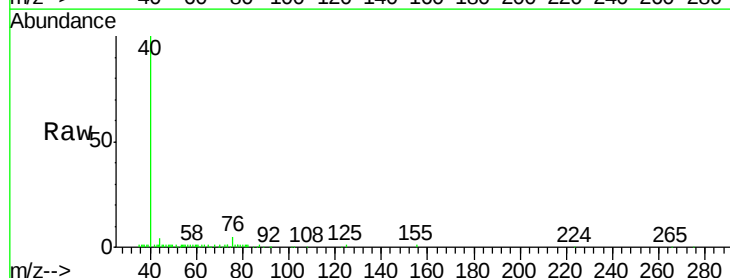
Acq: 20 Mar 2019 01:32

Tgt Ion: 76 Resp: 1381

Ion Ratio Lower Upper

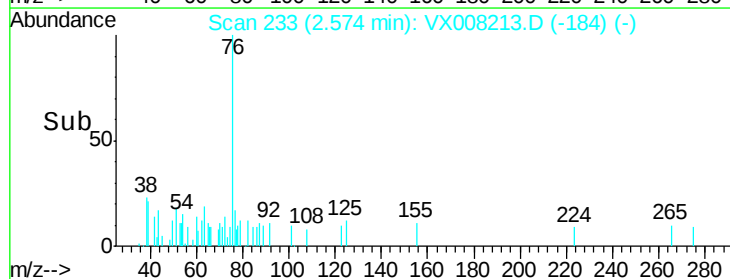
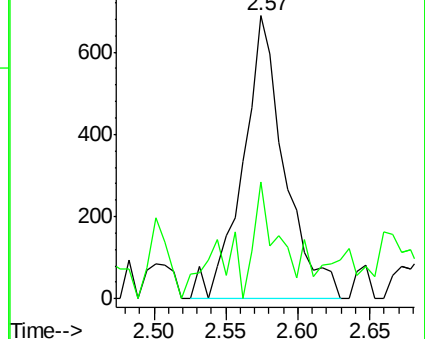
76 100

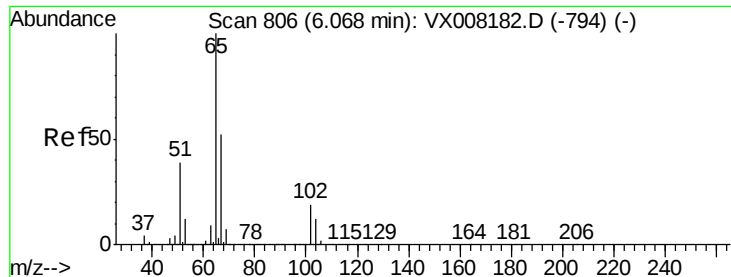
78 32.7 7.2 10.8#



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: 46.617 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

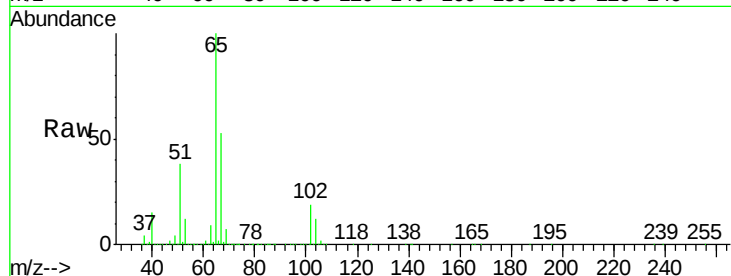
BP-DUP01-20190312

Tot Ion: 65 Resp: 235541

Ion Ratio Lower Upper

65 100

67 53.4 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

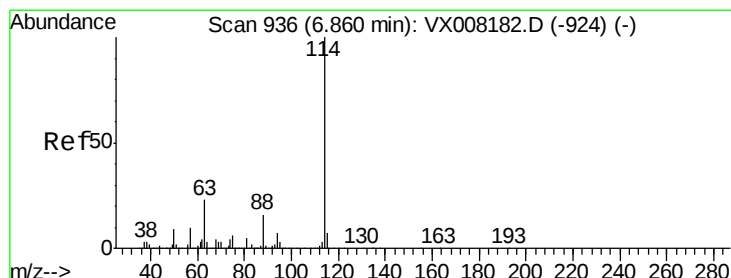
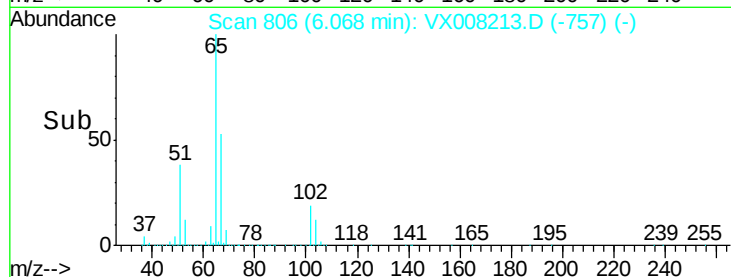
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

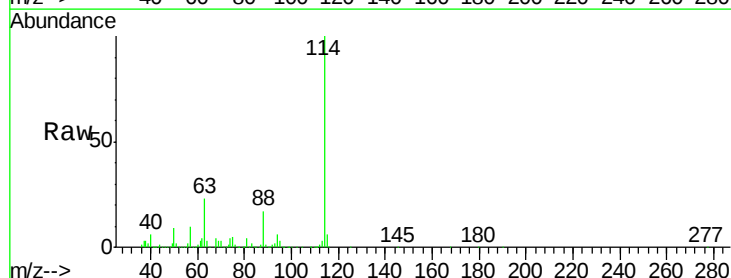
Tgt Ion: 114 Resp: 550160

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

88 16.8 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

6.86

300000

250000

200000

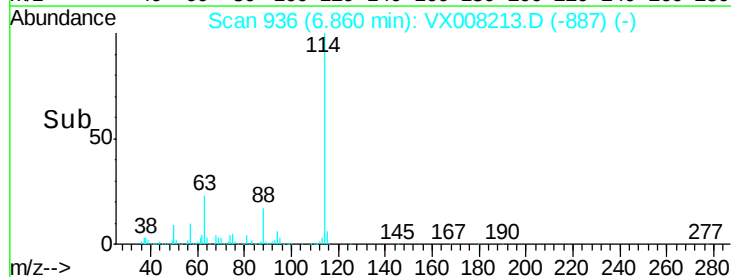
150000

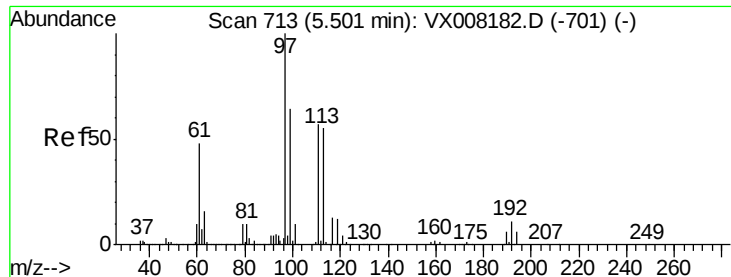
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 46.630 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP01-20190312

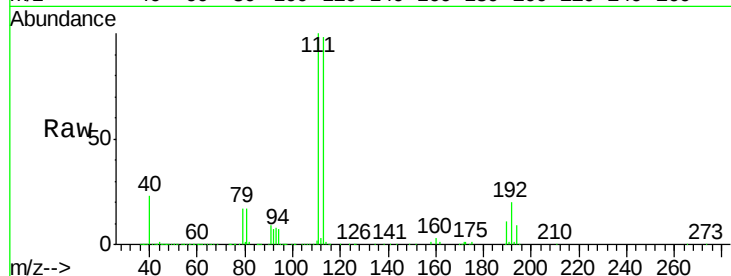
Tot Ion:113 Resp: 171735

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

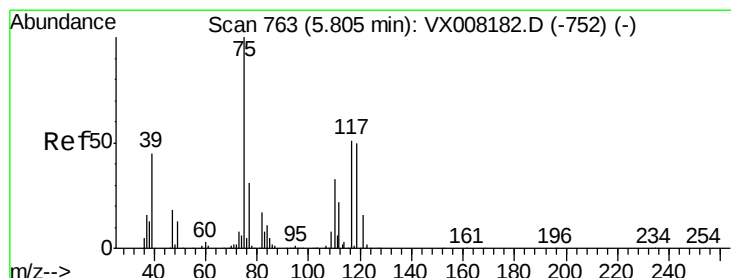
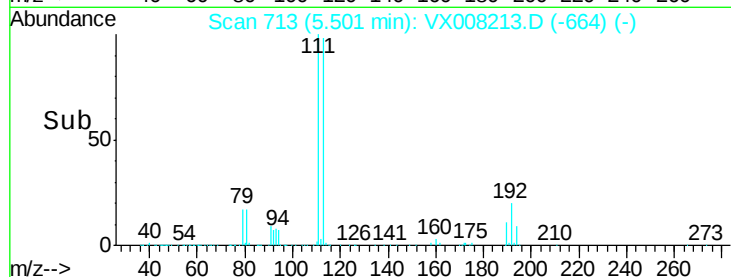
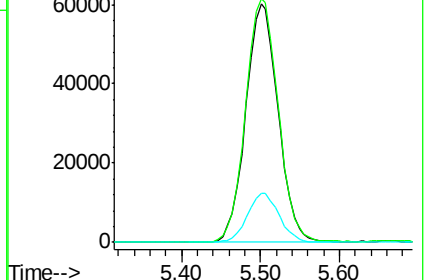
192 20.2 19.4 29.0



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



#36

1,1-Dichloropropene

Concen: 4.232 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

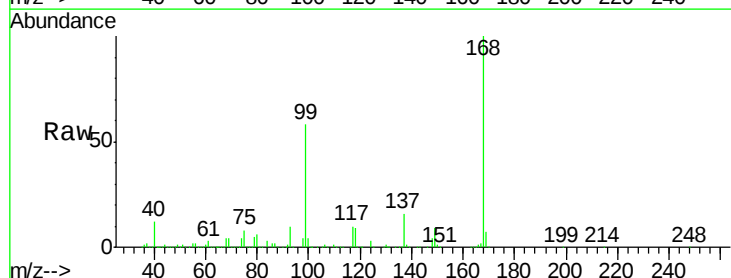
Tgt Ion: 75 Resp: 27105

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

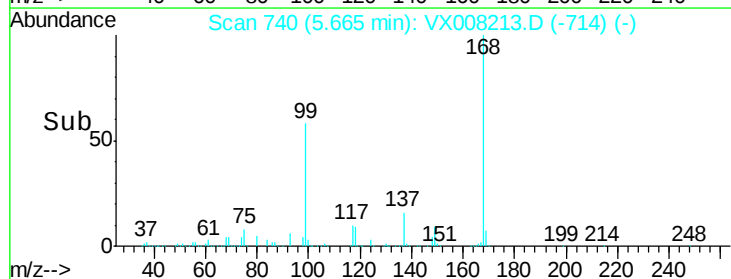
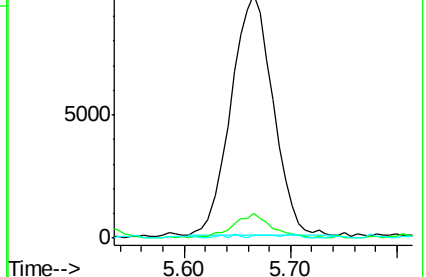
77 0.7 25.0 37.4#

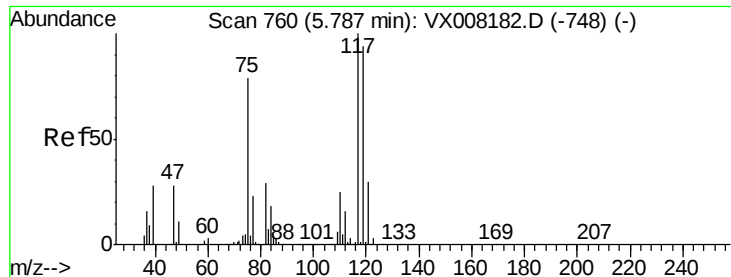


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP01-20190312

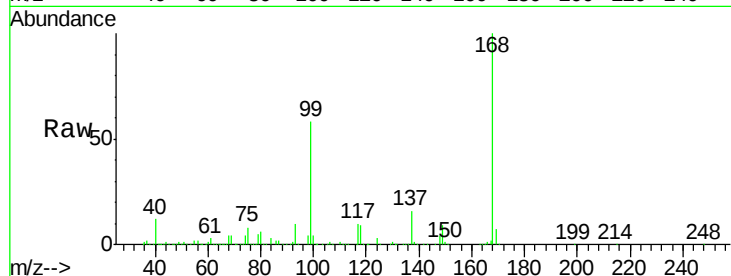
Tot Ion:117 Resp: 33816

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

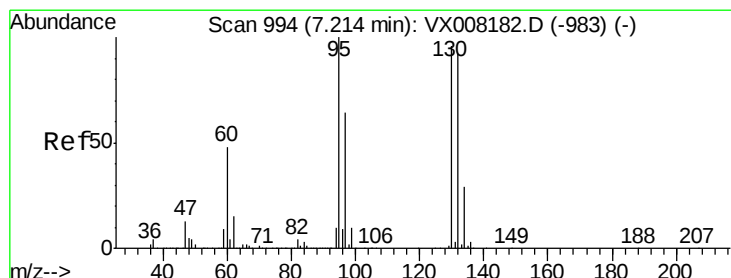
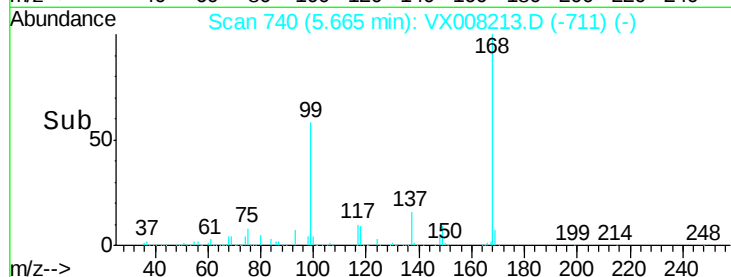
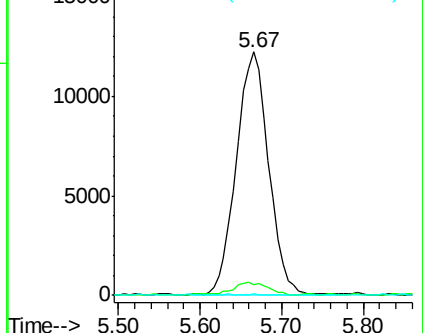
121 0.4 24.6 36.8#



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



#44

Trichloroethene

Concen: 0.204 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008213.D

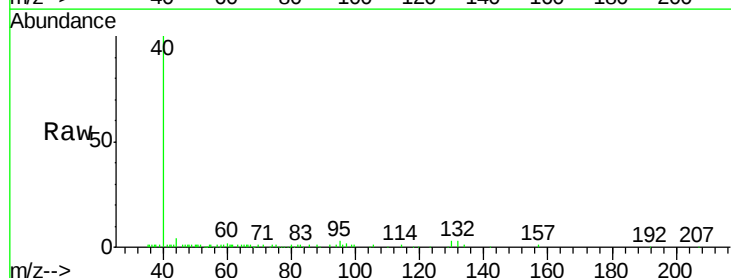
Acq: 20 Mar 2019 01:32

Tgt Ion:130 Resp: 944

Ion Ratio Lower Upper

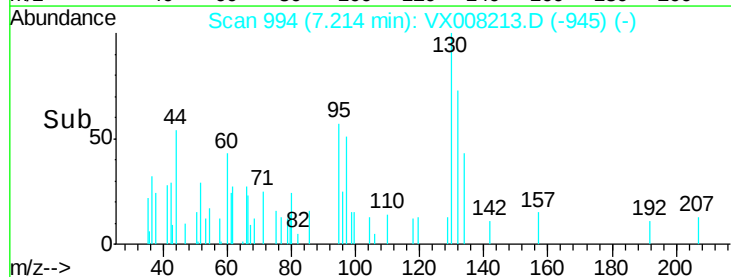
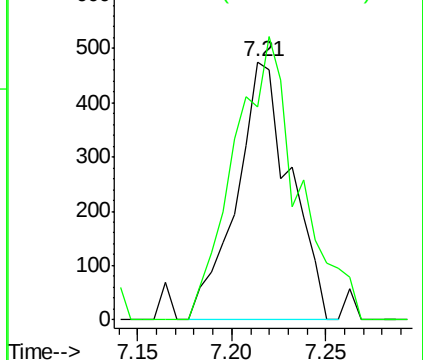
130 100

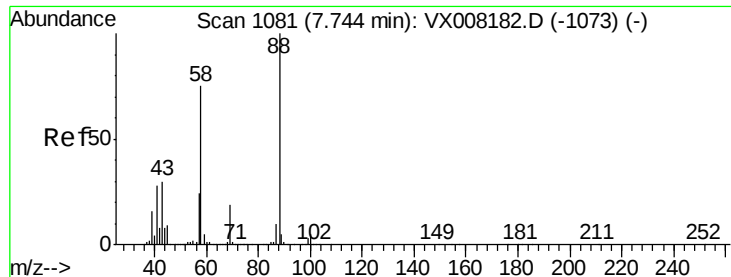
95 82.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

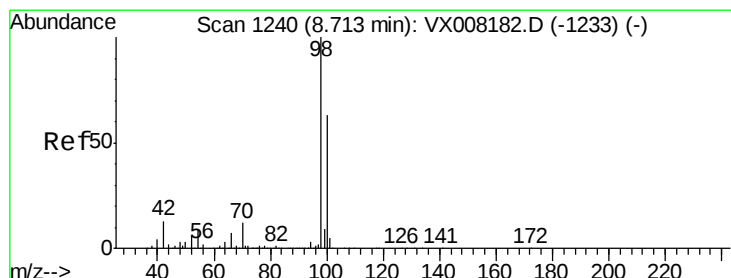
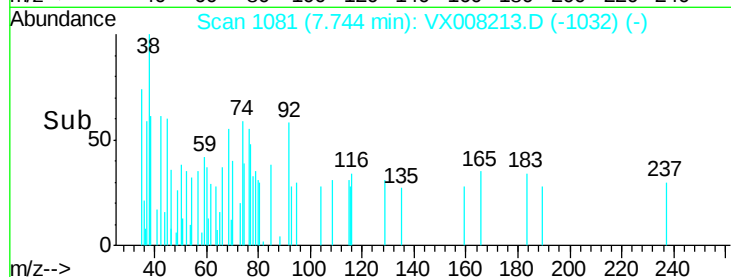
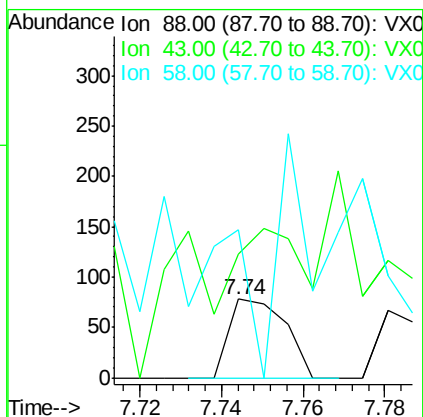
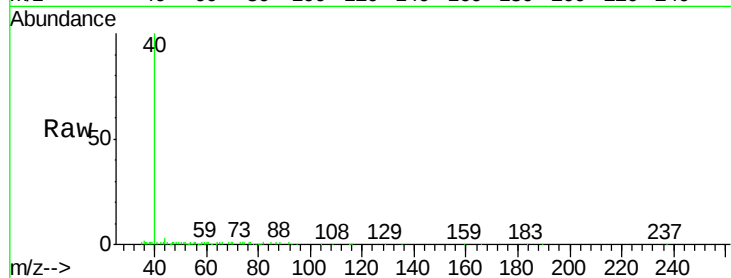




#49
1,4-Dioxane
Concen: 0.659 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

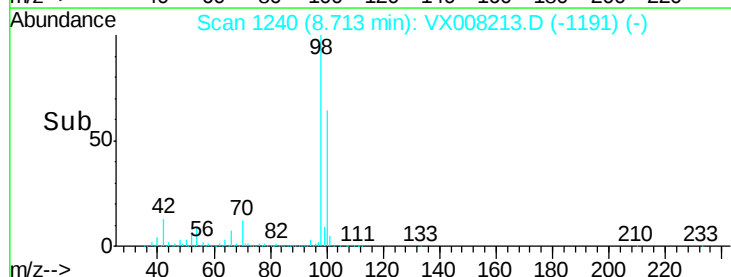
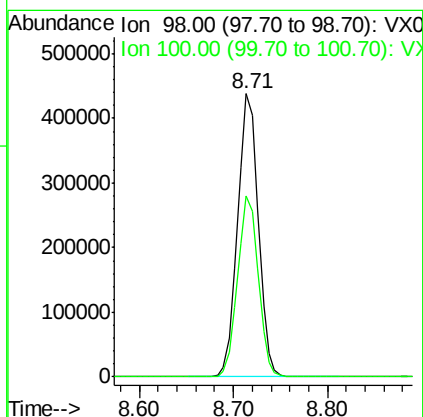
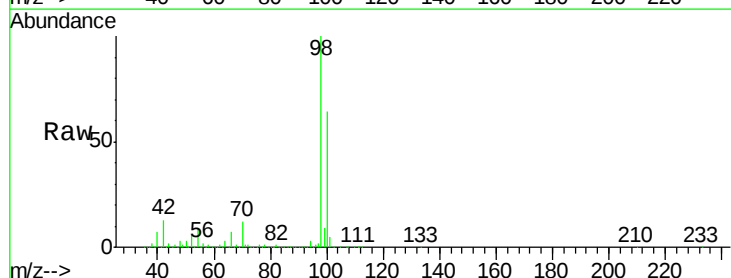
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP01-20190312

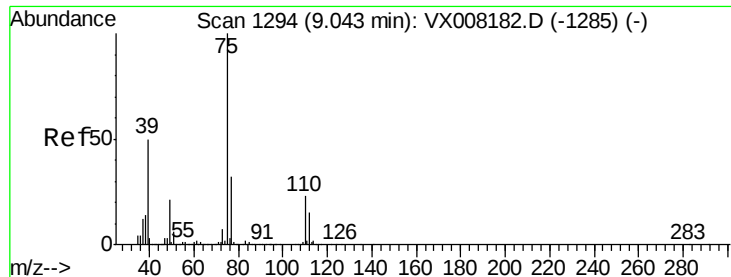
Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 120.0 25.1 37.7#
58 160.0 57.8 86.6#



#50
Toluene-d8
Concen: 48.174 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

Tgt Ion: 98 Resp: 672667
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.439 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

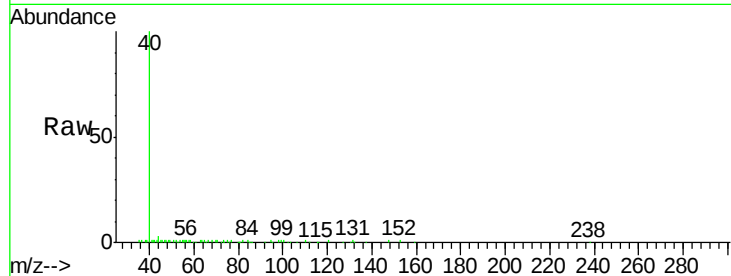
BP-DUP01-20190312

Tot Ion: 75 Resp: 131

Ion Ratio Lower Upper

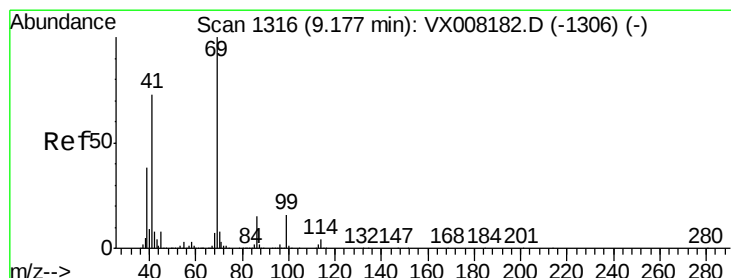
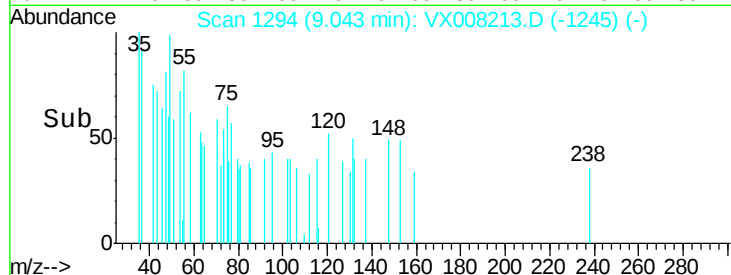
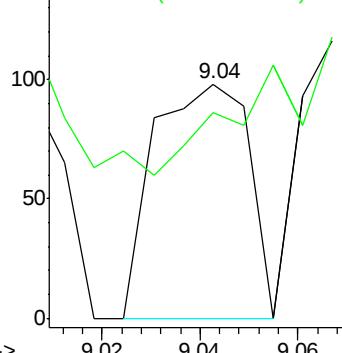
75 100

77 10.2 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: 0.542 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

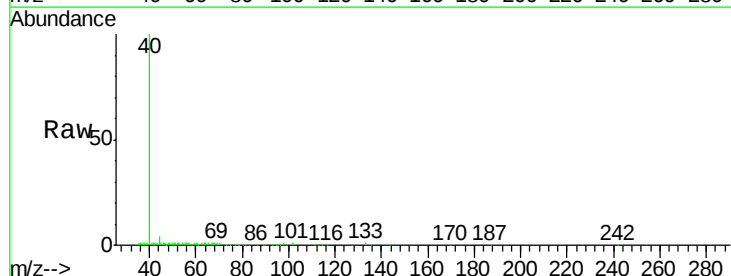
Tgt Ion: 69 Resp: 129

Ion Ratio Lower Upper

69 100

41 85.3 54.2 81.4#

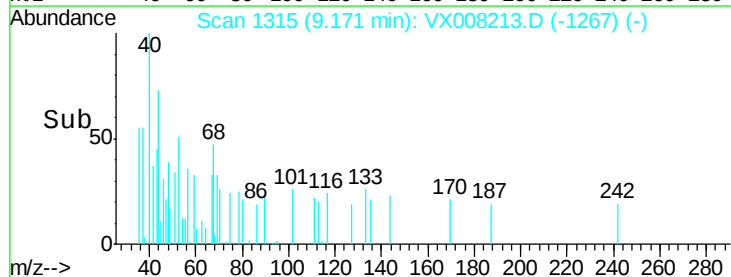
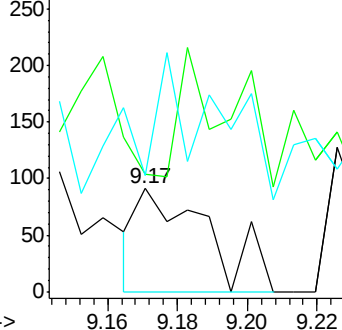
39 17.1 25.0 37.4#

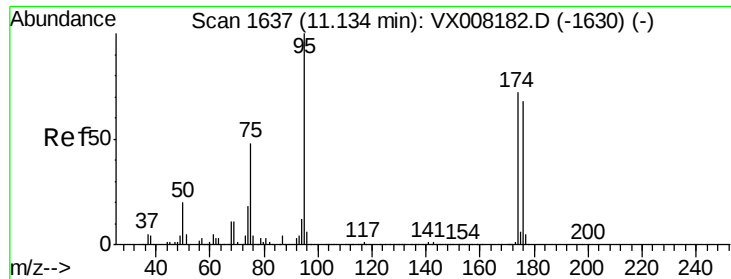


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

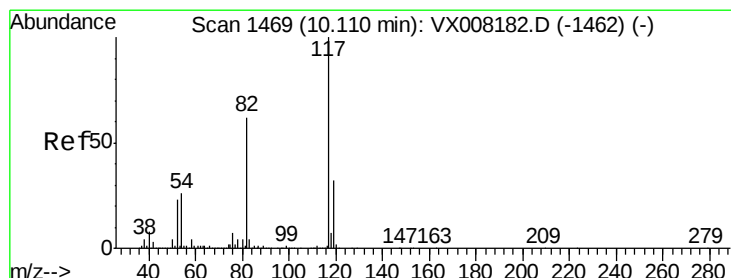
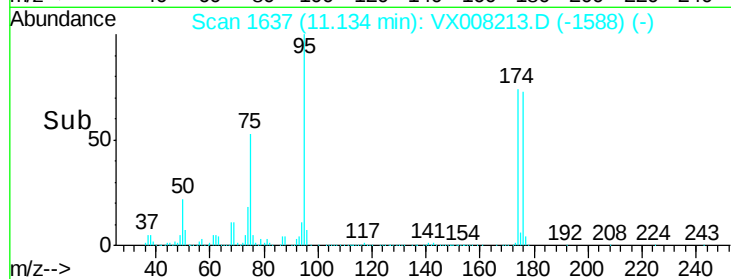
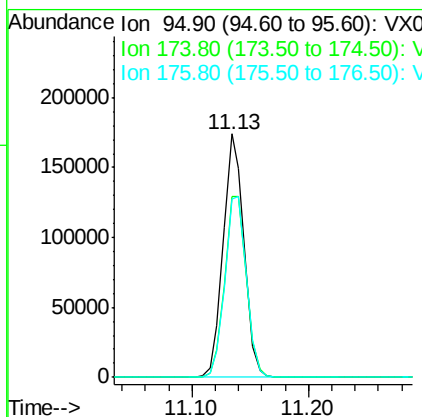
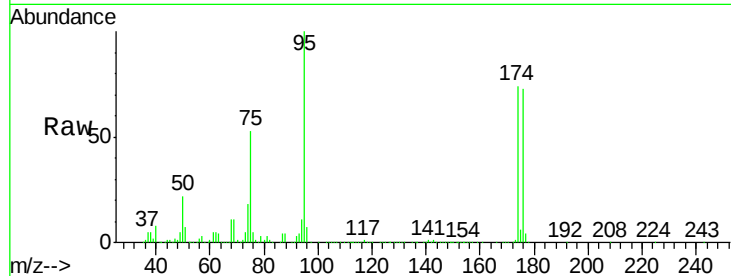




#62
4-Bromofluorobenzene
Concen: 44.521 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

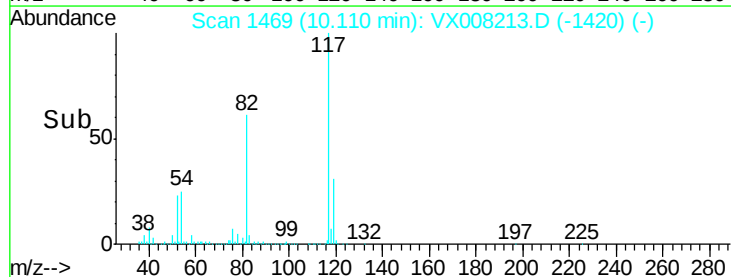
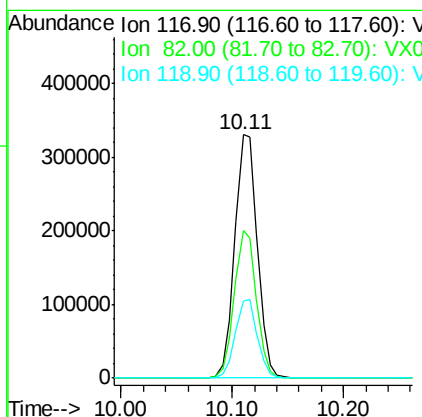
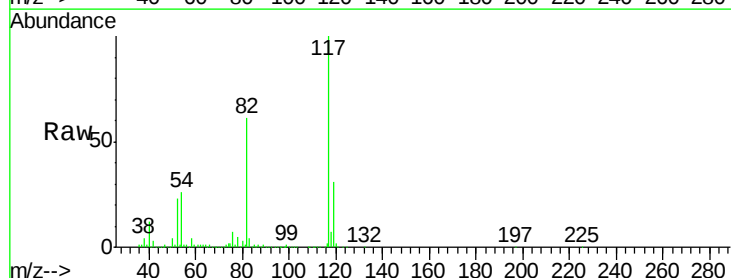
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP01-20190312

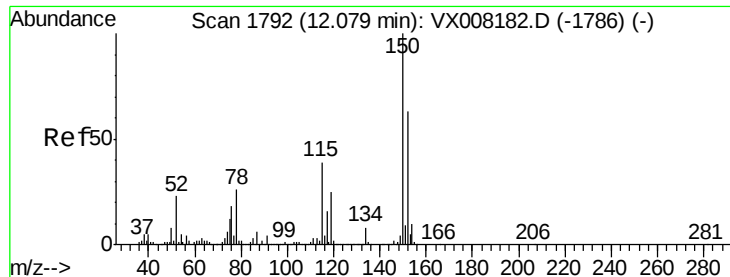
Tot Ion: 95 Resp: 214052
Ion Ratio Lower Upper
95 100
174 78.4 0.0 182.8
176 77.6 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008213.D
Acq: 20 Mar 2019 01:32

Tgt Ion: 117 Resp: 463790
Ion Ratio Lower Upper
117 100
82 60.7 44.3 66.5
119 31.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP01-20190312

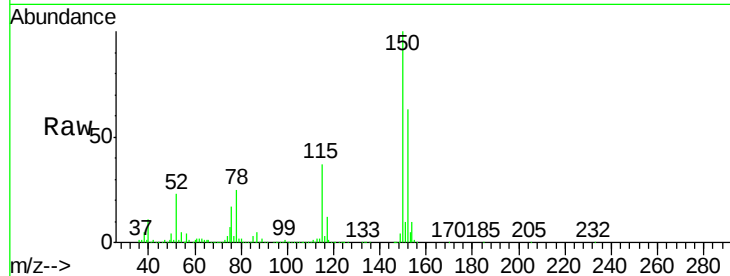
Tot Ion:152 Resp: 186773

Ion Ratio Lower Upper

152 100

115 59.8 38.6 115.7

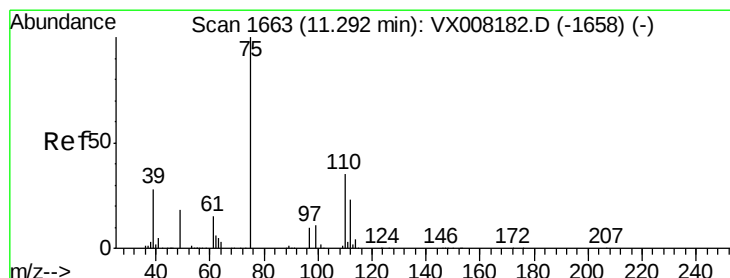
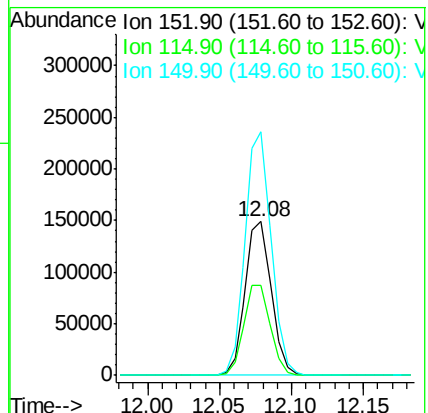
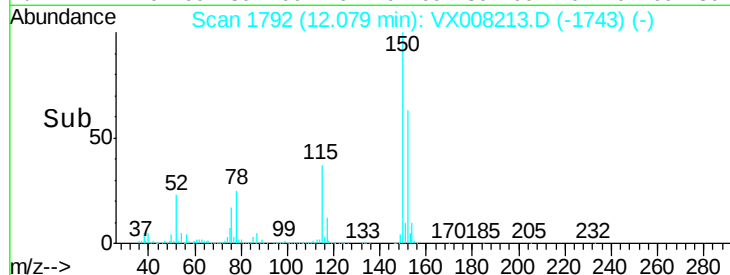
150 157.8 0.0 348.4



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: 21.268 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008213.D

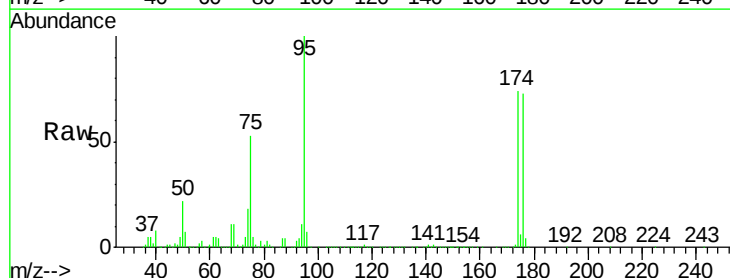
Acq: 20 Mar 2019 01:32

Tgt Ion: 75 Resp: 111723

Ion Ratio Lower Upper

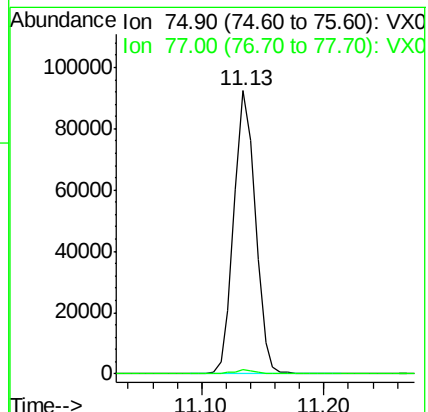
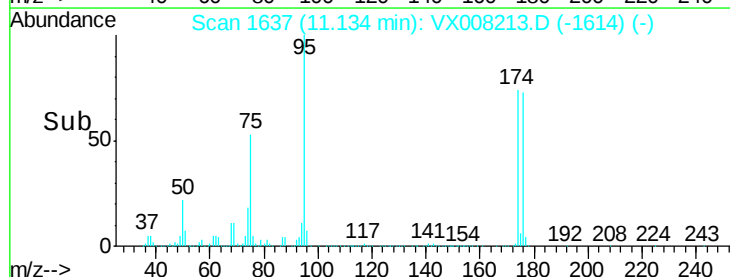
75 100

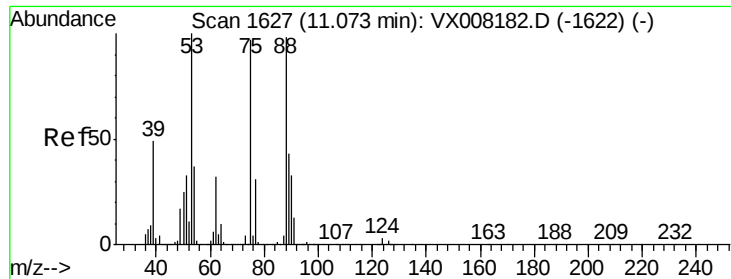
77 1.5 18.9 56.7#



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: 54.096 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008213.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP01-20190312

Tot Ion: 75 Resp: 111723

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.3 54.5#

