

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008225.D
 Acq On : 20 Mar 2019 06:31
 Operator : JC/SP
 Sample : K1882-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW304D-20190312

Quant Time: Mar 20 08:40:55 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	5.66	168	326278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	533721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	451657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179882	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	228998	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.50	113	167722	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.71	98	661077	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.13	95	209490	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

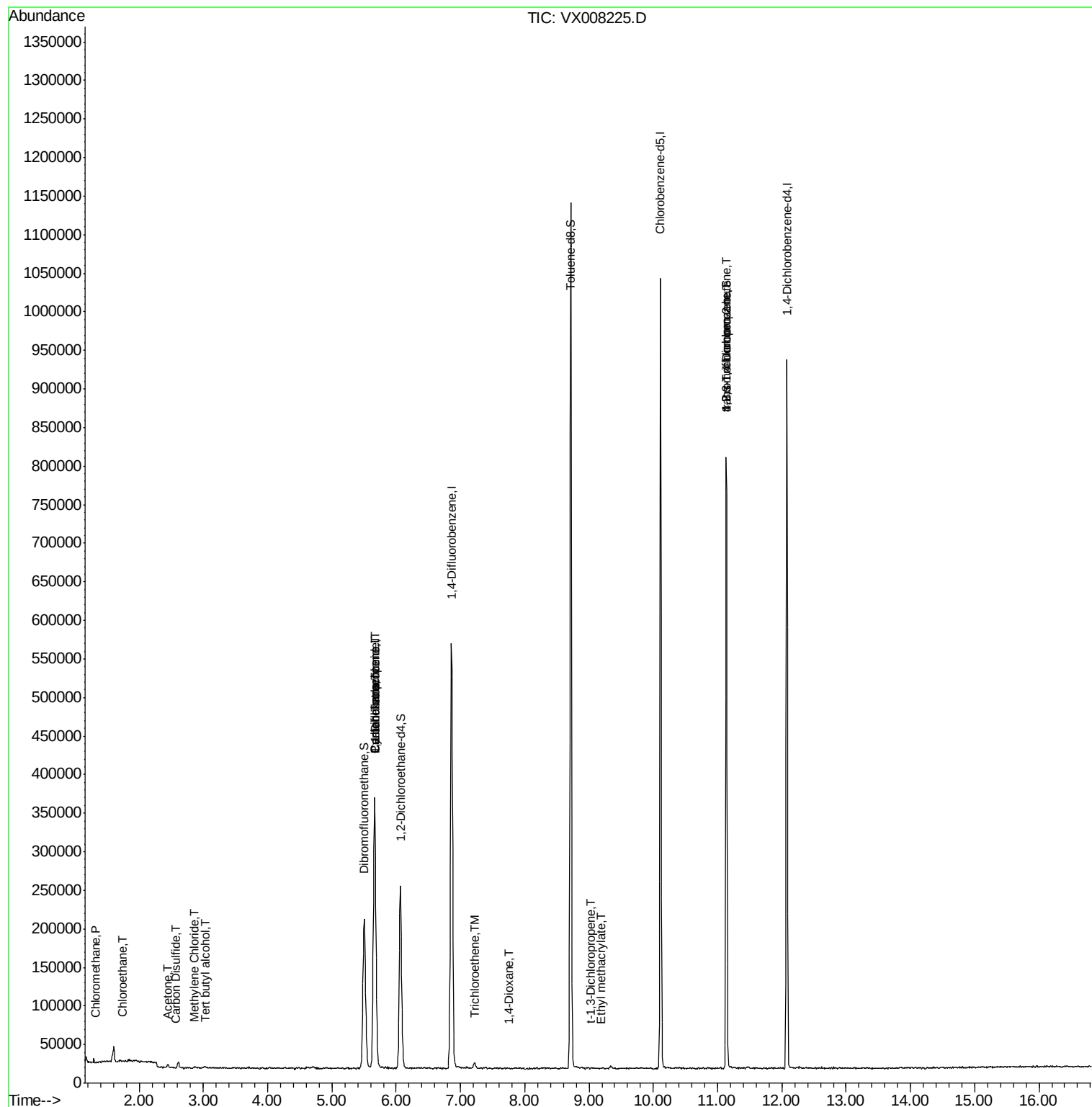
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1142	0.230	ug/l	99
6) Chloroethane	1.74	64	2426	0.782	ug/l #	81
11) Tert butyl alcohol	3.03	59	803	0.763	ug/l #	90
13) Acrolein	2.28	56	174	Below Cal	#	13
16) Acetone	2.45	43	4678	1.678	ug/l	96
17) Carbon Disulfide	2.57	76	726	0.731	ug/l #	29
20) Methylene Chloride	2.87	84	985	0.212	ug/l #	76
31) Cyclohexane	5.66	56	8018	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	26939	4.335	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32889	5.940	ug/l #	16
44) Trichloroethene	7.23	130	2968	0.660	ug/l	88
49) 1,4-Dioxane	7.75	88	67	0.606	ug/l #	1
53) t-1,3-Dichloropropene	9.02	75	141	1.441	ug/l #	52
56) Ethyl methacrylate	9.18	69	51	0.532	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	109316	21.607	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	109316	54.935	ug/l #	12

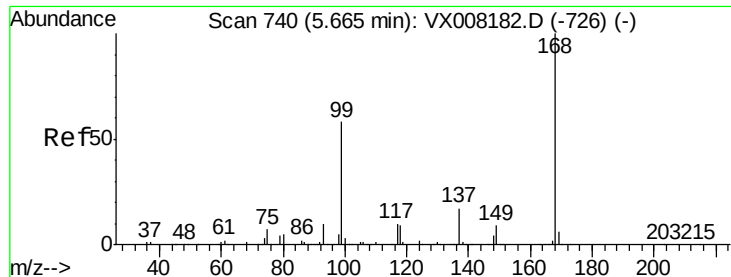
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

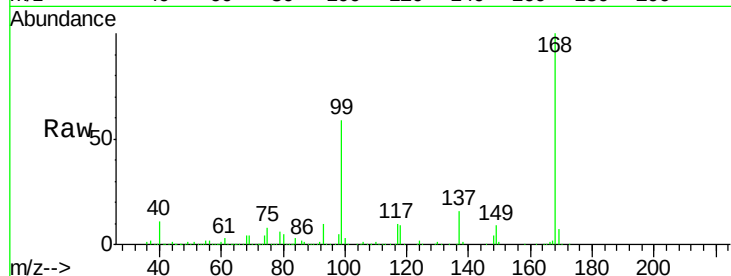
BPS1-TT-MW304D-20190312

Tot Ion:168 Resp: 326278

Ion Ratio Lower Upper

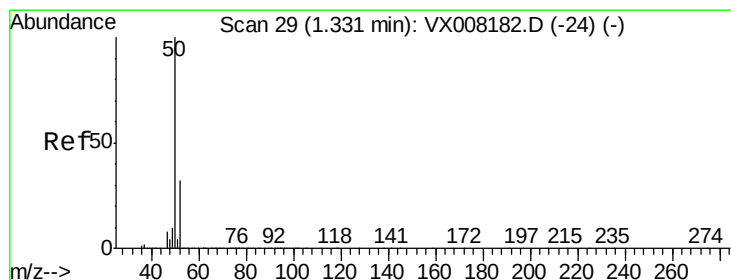
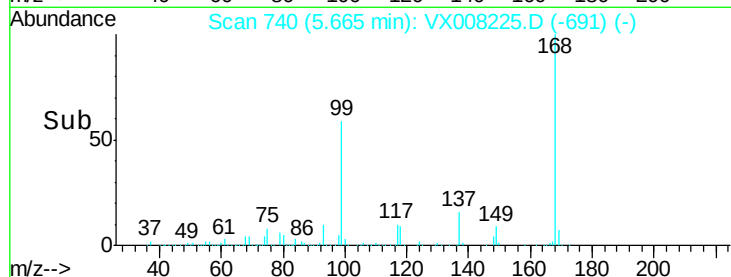
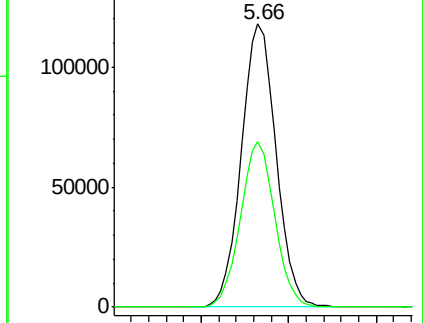
168 100

99 58.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008225.D

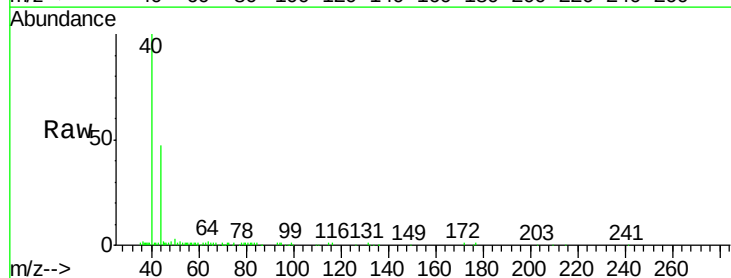
Acq: 20 Mar 2019 06:31

Tgt Ion: 50 Resp: 1142

Ion Ratio Lower Upper

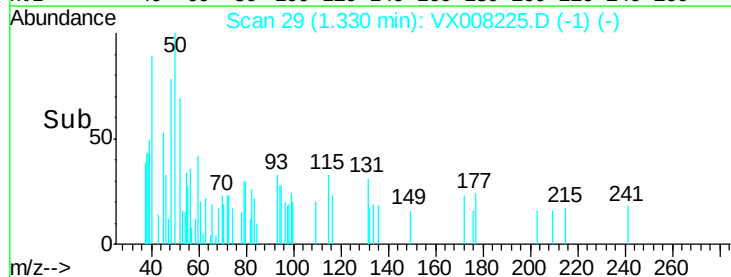
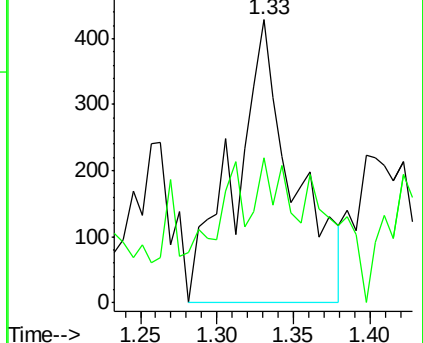
50 100

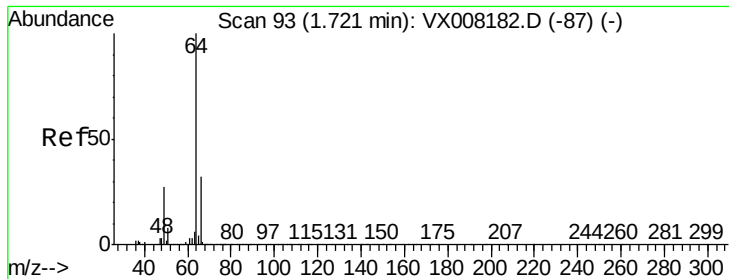
52 33.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.782 ug/l

RT: 1.74 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

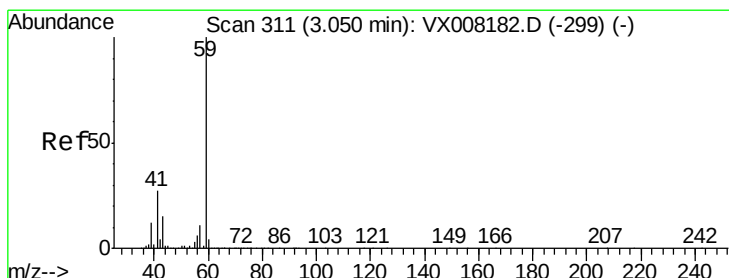
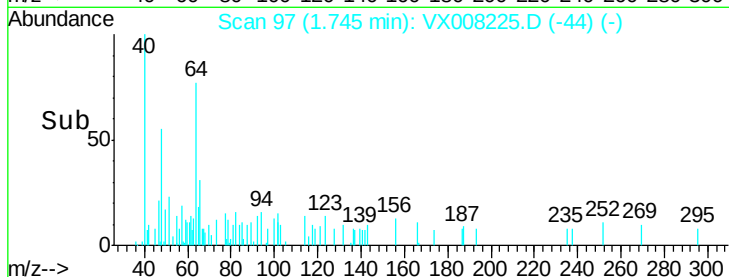
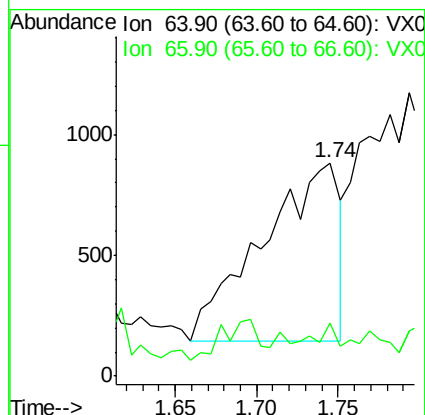
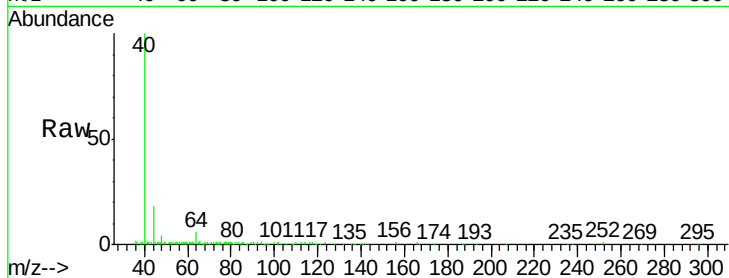
BPS1-TT-MW304D-20190312

Tot Ion: 64 Resp: 2426

Ion Ratio Lower Upper

64 100

66 21.1 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.763 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008225.D

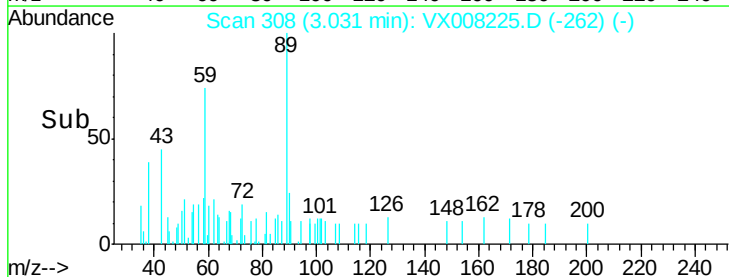
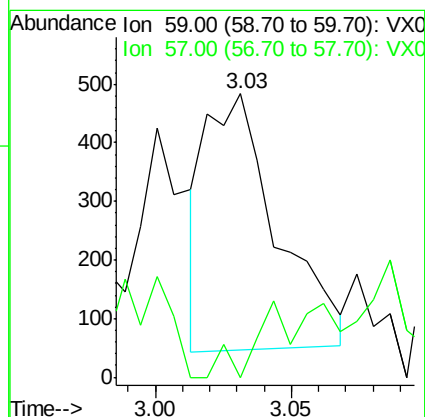
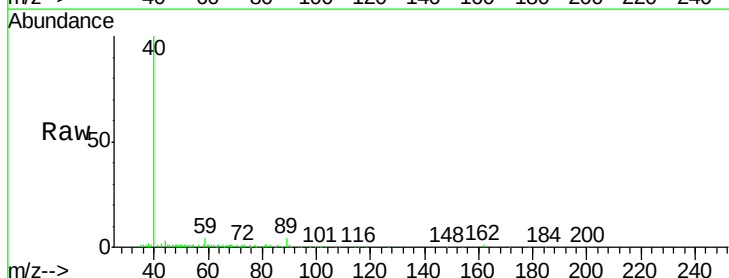
Acq: 20 Mar 2019 06:31

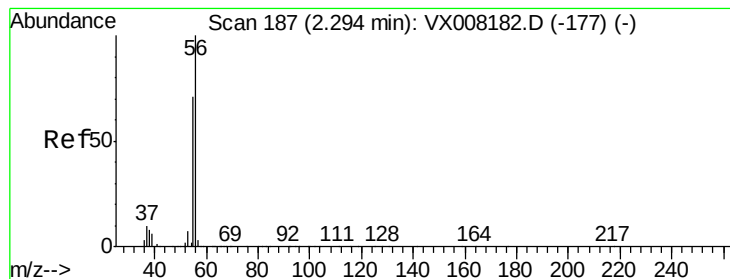
Tgt Ion: 59 Resp: 803

Ion Ratio Lower Upper

59 100

57 14.1 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

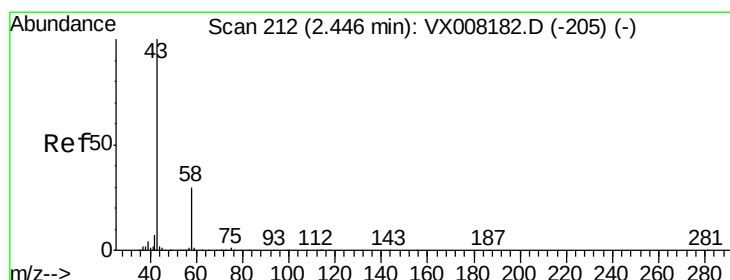
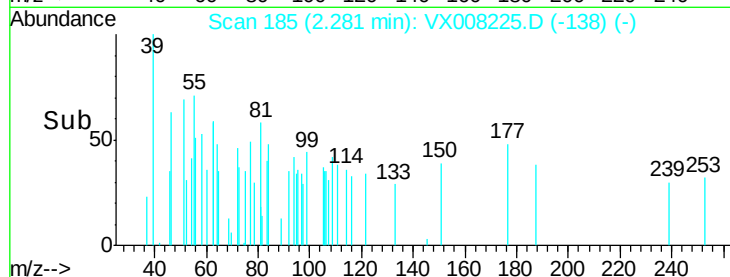
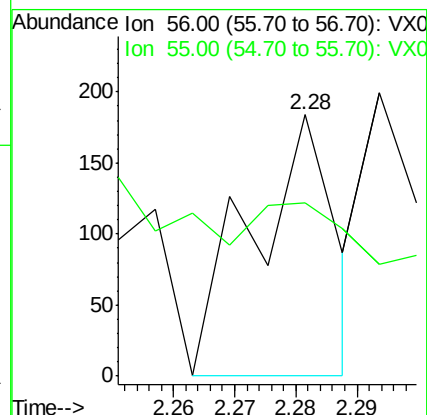
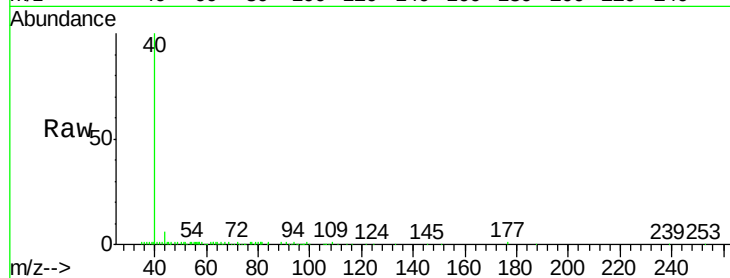
BPS1-TT-MW304D-20190312

Tot Ion: 56 Resp: 174

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 1.678 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008225.D

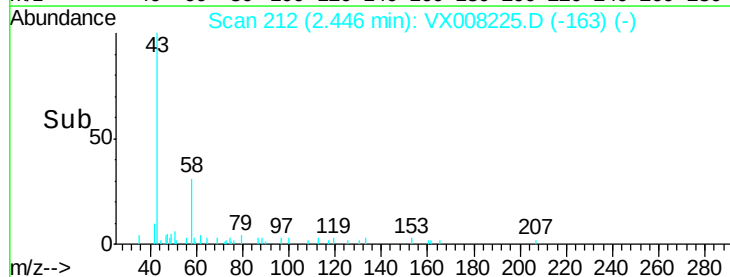
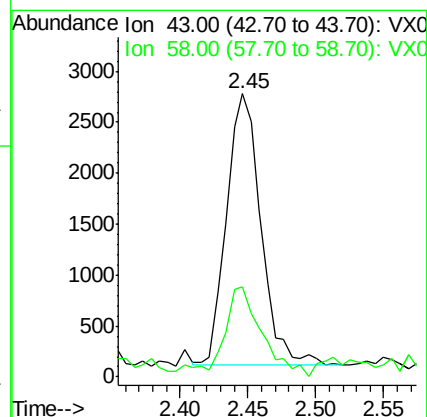
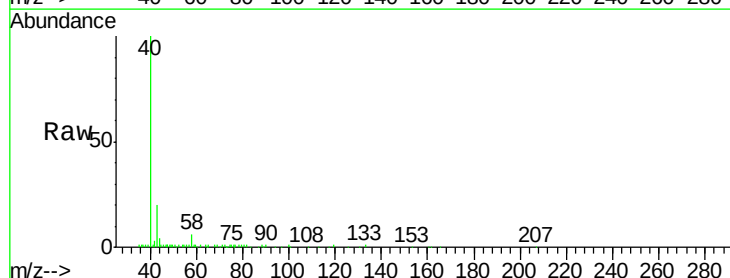
Acq: 20 Mar 2019 06:31

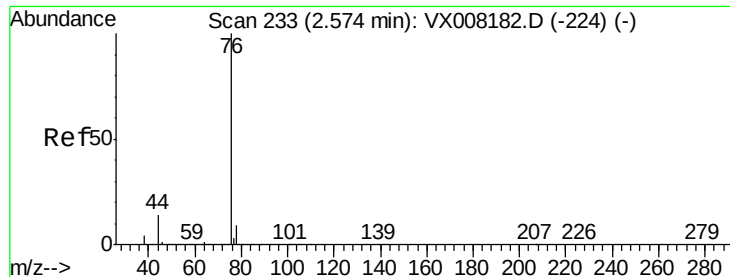
Tgt Ion: 43 Resp: 4678

Ion Ratio Lower Upper

43 100

58 29.9 25.5 38.3





#17

Carbon Disulfide

Concen: 0.731 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

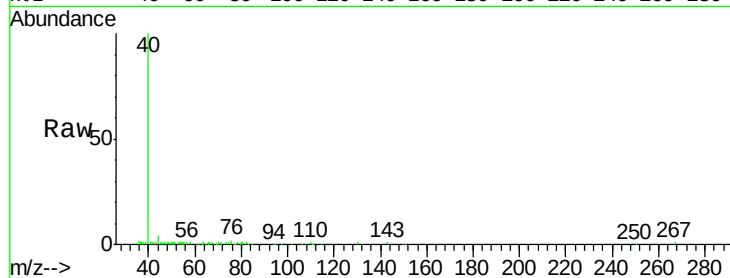
BPS1-TT-MW304D-20190312

Tot Ion: 76 Resp: 726

Ion Ratio Lower Upper

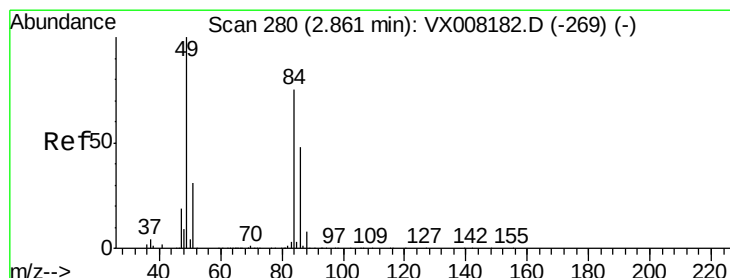
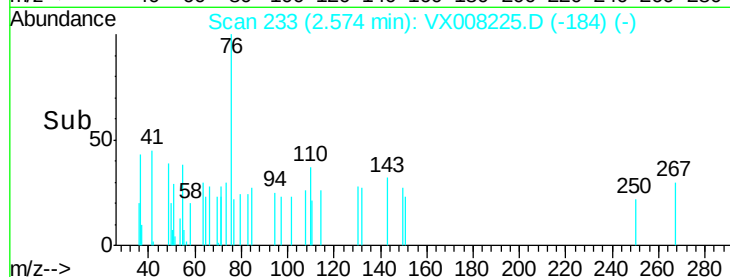
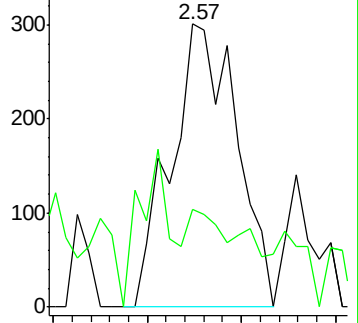
76 100

78 34.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.212 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Tgt Ion: 84 Resp: 985

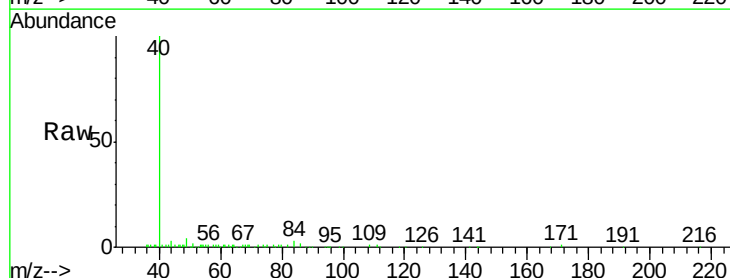
Ion Ratio Lower Upper

84 100

49 103.3 99.3 148.9

51 31.4 31.3 46.9

86 33.2 52.6 79.0#

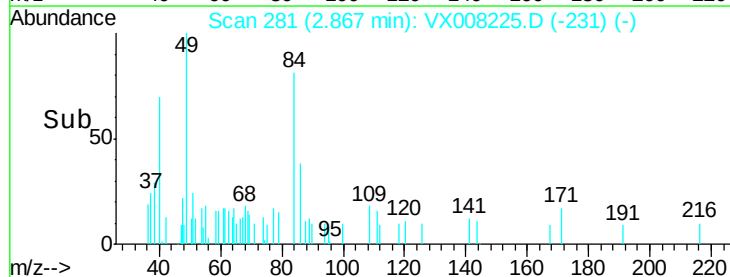
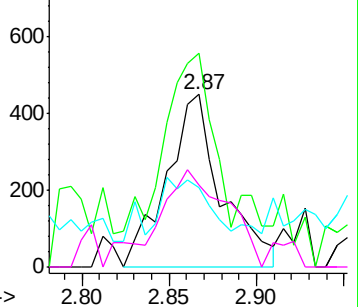


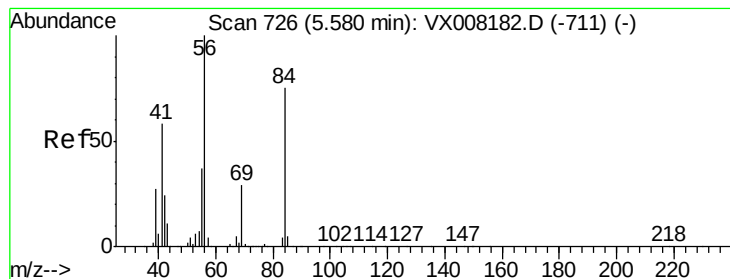
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 0.984 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW304D-20190312

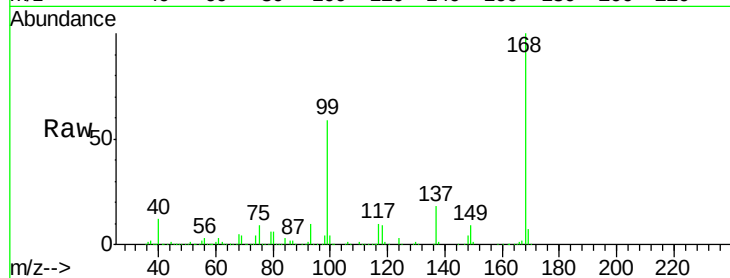
Tot Ion: 56 Resp: 8018

Ion Ratio Lower Upper

56 100

69 157.8 24.0 36.0#

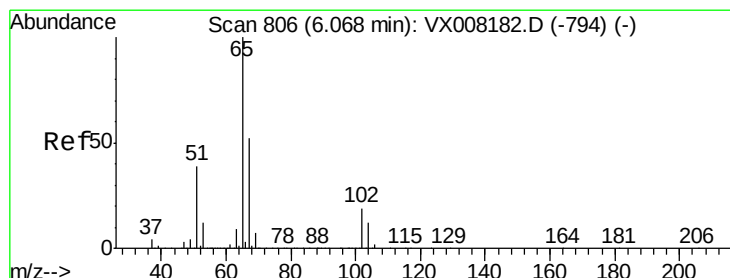
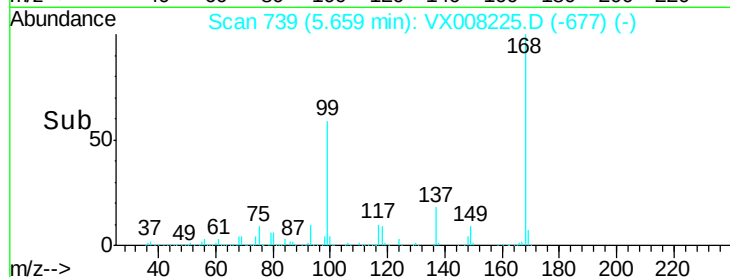
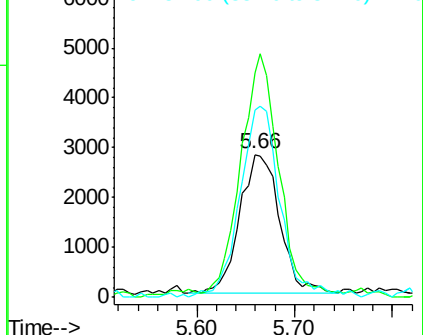
84 135.1 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.601 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008225.D

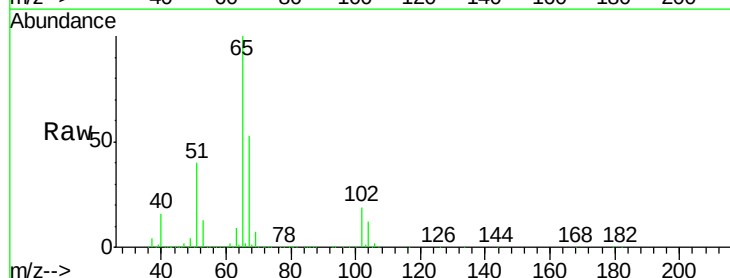
Acq: 20 Mar 2019 06:31

Tgt Ion: 65 Resp: 228998

Ion Ratio Lower Upper

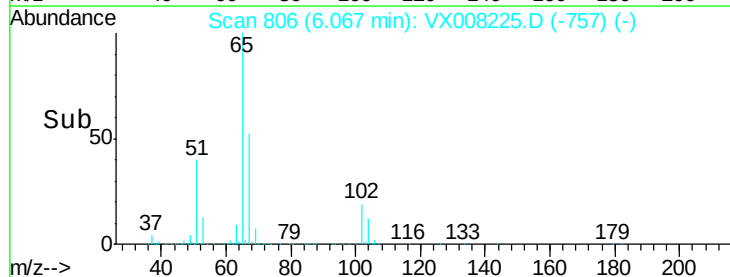
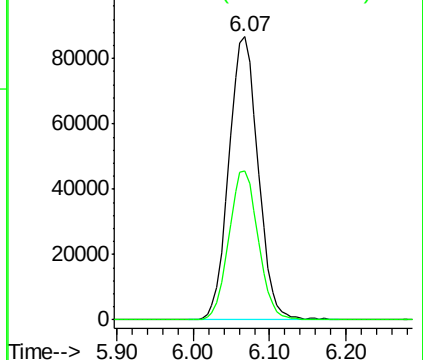
65 100

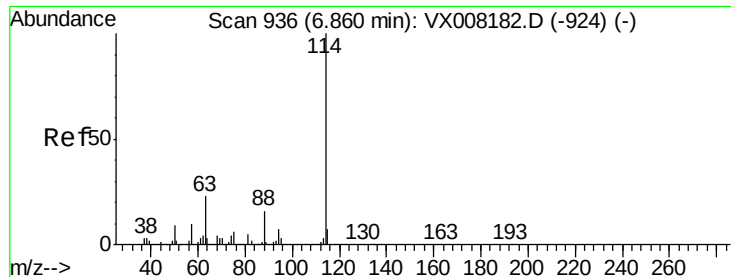
67 53.2 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

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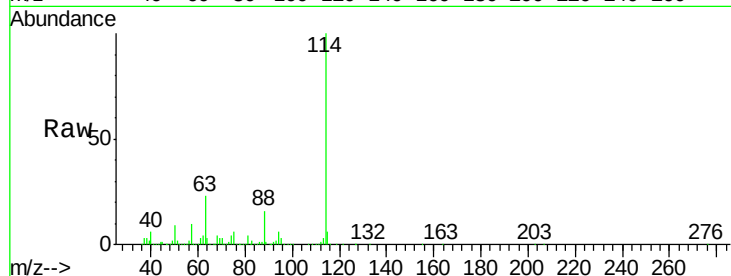
Tot Ion:114 Resp: 533721

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

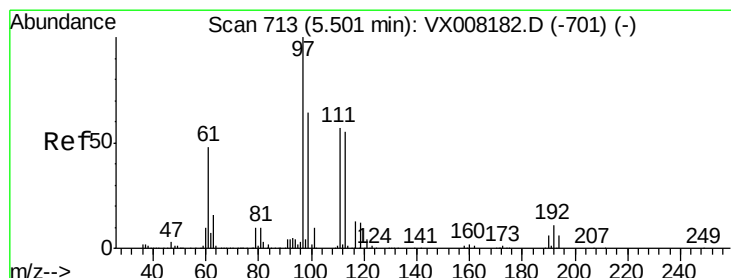
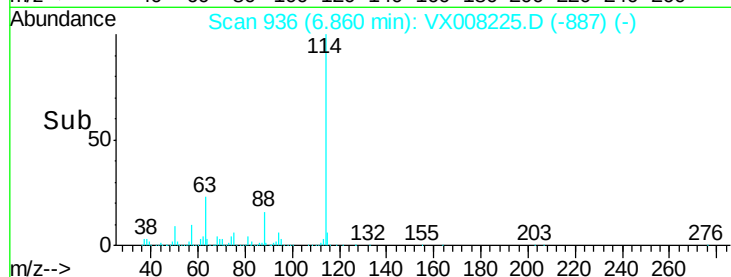
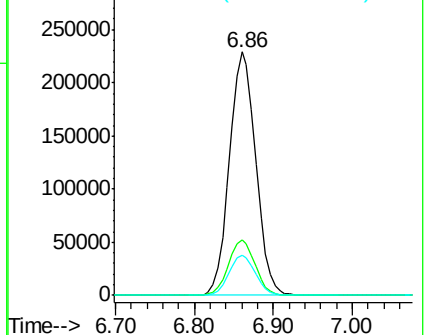
88 16.3 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 46.943 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

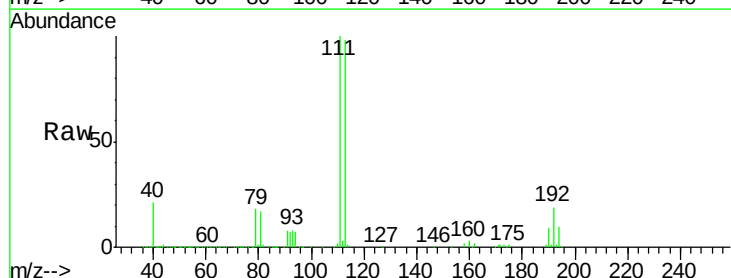
Tgt Ion:113 Resp: 167722

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

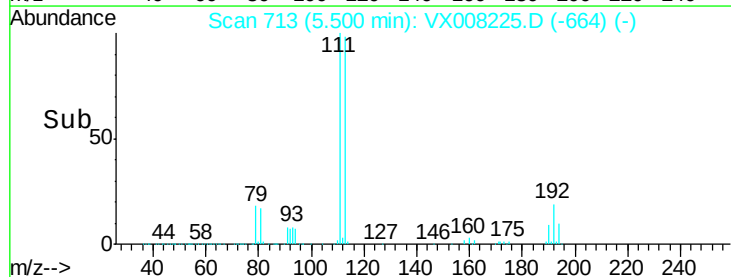
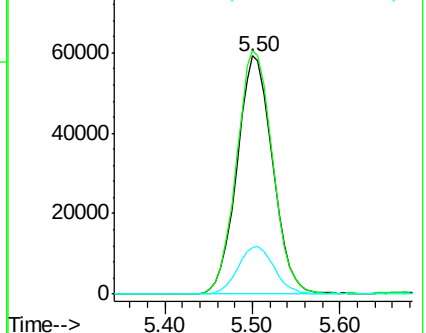
192 20.5 19.4 29.0

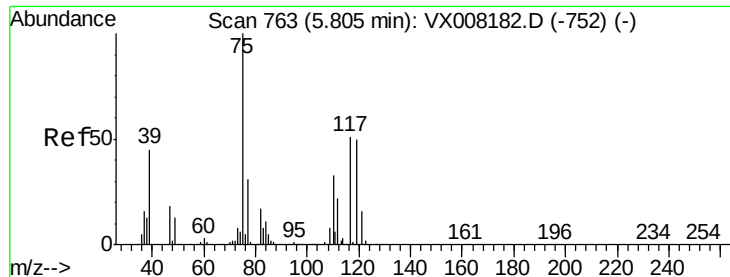


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

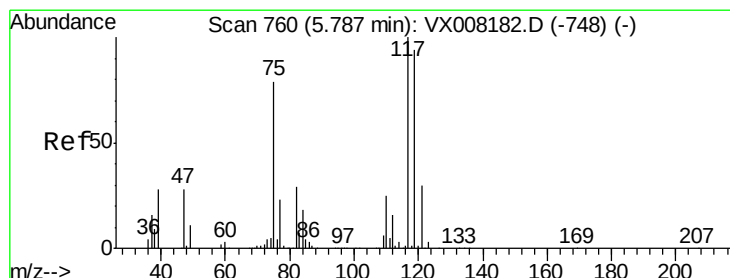
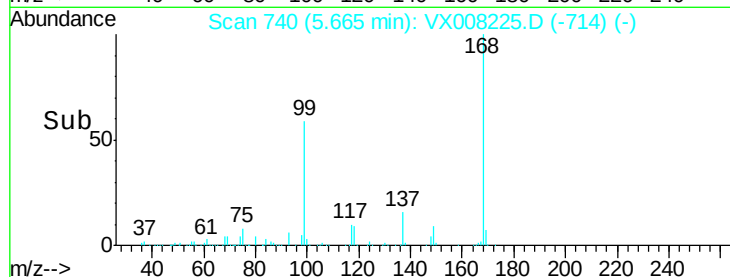
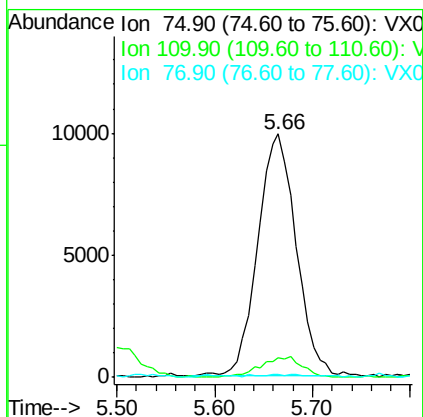
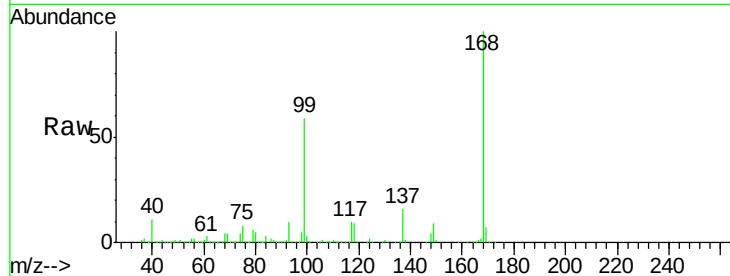




#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008225.D
 Acq: 20 Mar 2019 06:31

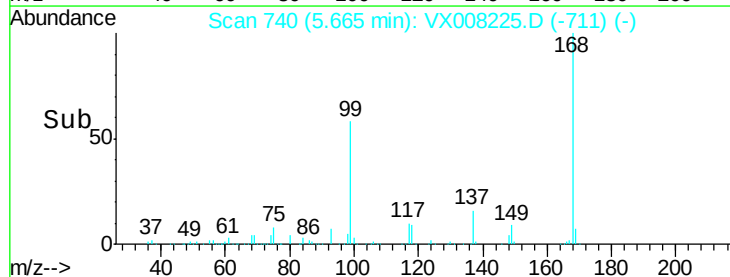
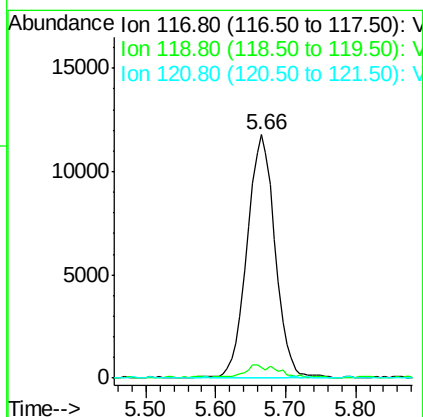
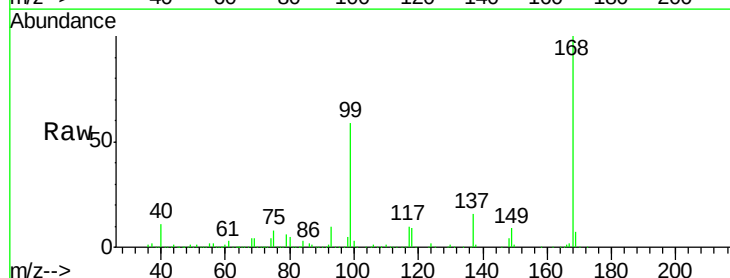
Instrument :
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 BPS1-TT-MW304D-20190312

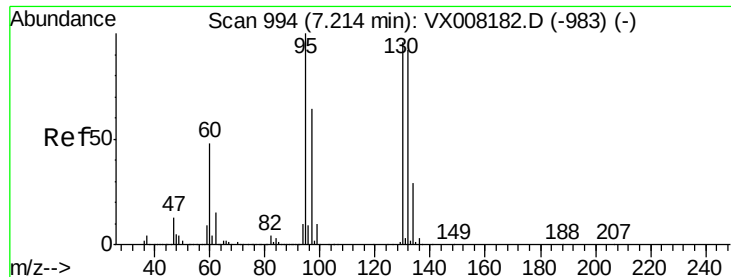
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.940 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008225.D
 Acq: 20 Mar 2019 06:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 0.660 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

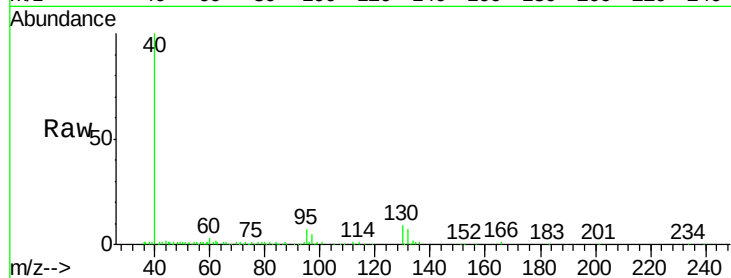
BPS1-TT-MW304D-20190312

Tot Ion:130 Resp: 2968

Ion Ratio Lower Upper

130 100

95 82.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.23

1500

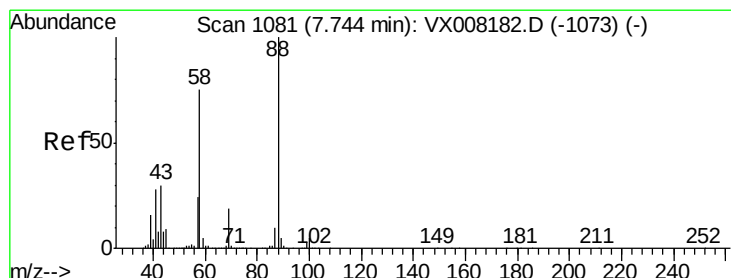
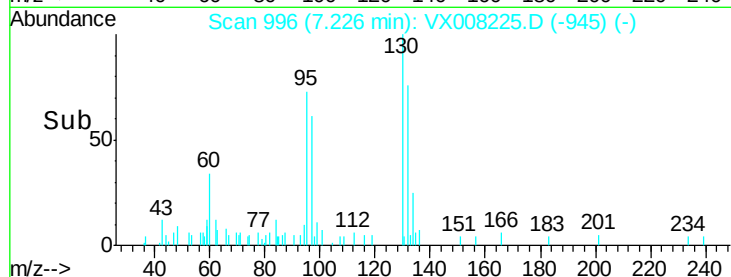
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.606 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

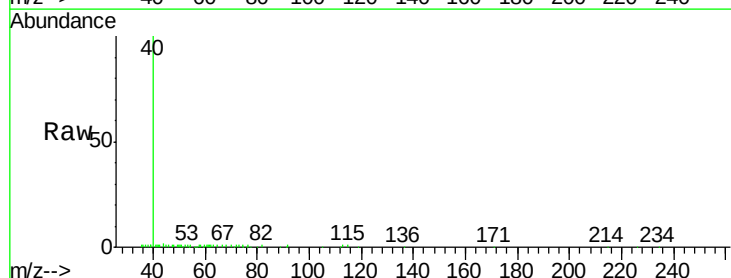
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 189.6 25.1 37.7#

58 214.9 57.8 86.6#



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

250

200

150

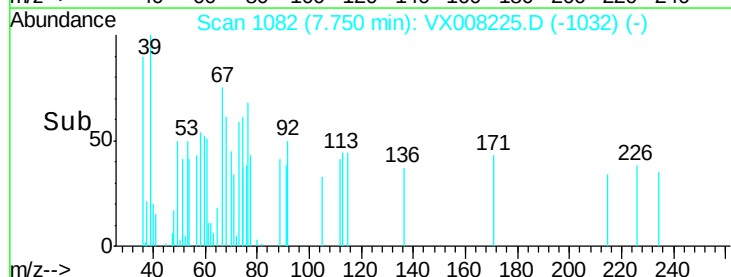
100

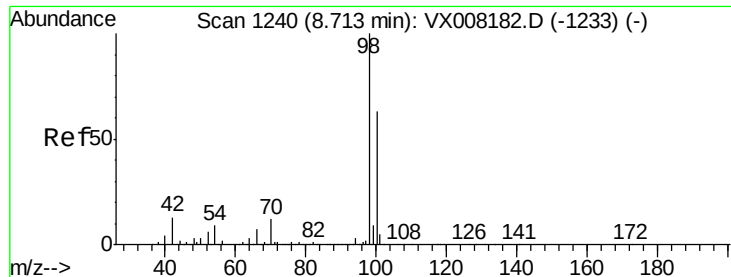
50

0

7.72 7.74 7.76 7.78

Time-->

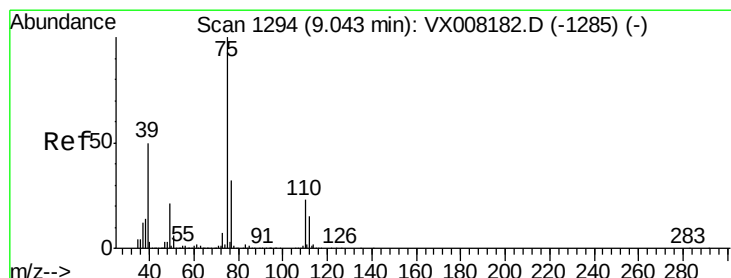
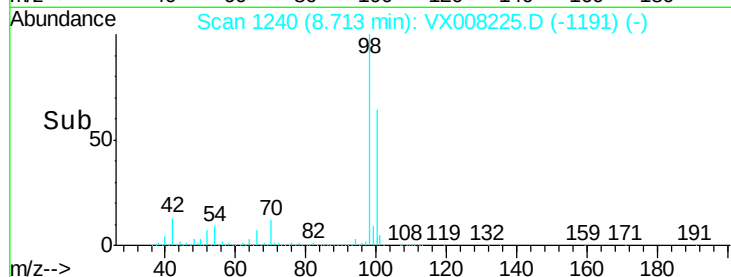
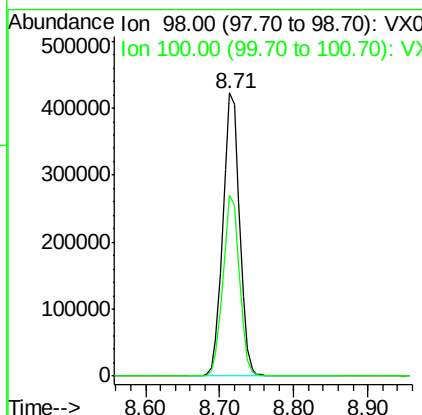
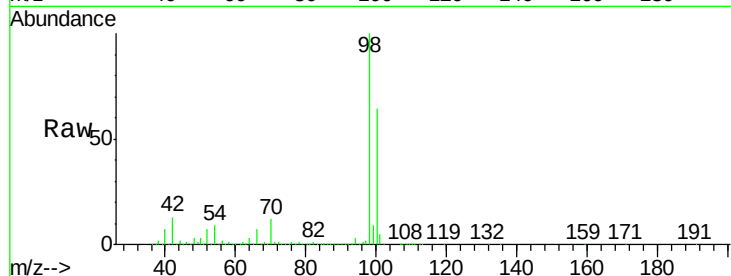




#50
Toluene-d8
Concen: 48.802 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008225.D
Acq: 20 Mar 2019 06:31

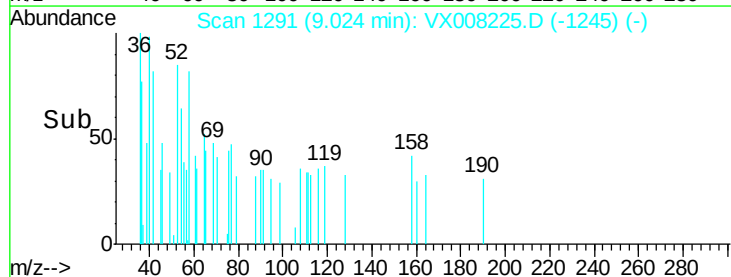
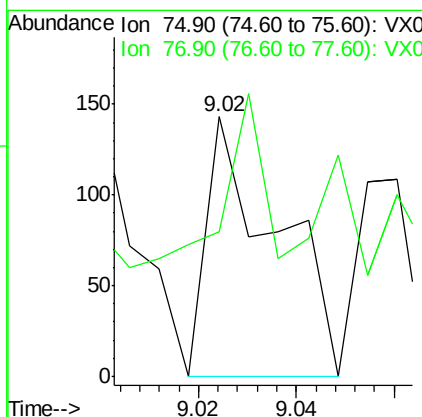
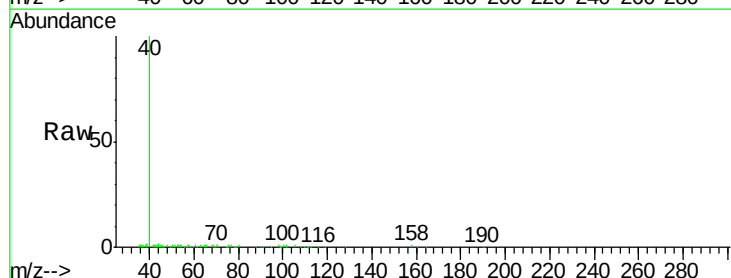
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW304D-20190312

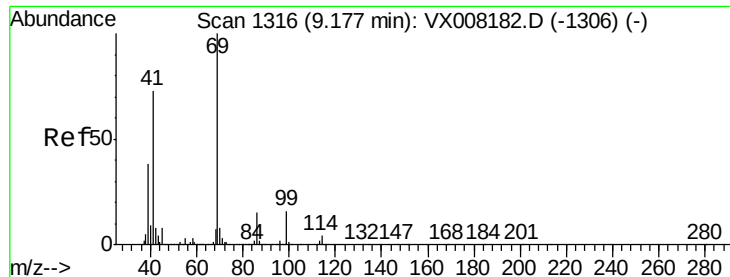
Tot Ion: 98 Resp: 661077
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.441 ug/l
RT: 9.02 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VX008225.D
Acq: 20 Mar 2019 06:31

Tgt Ion: 75 Resp: 141
Ion Ratio Lower Upper
75 100
77 4.9 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.532 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW304D-20190312

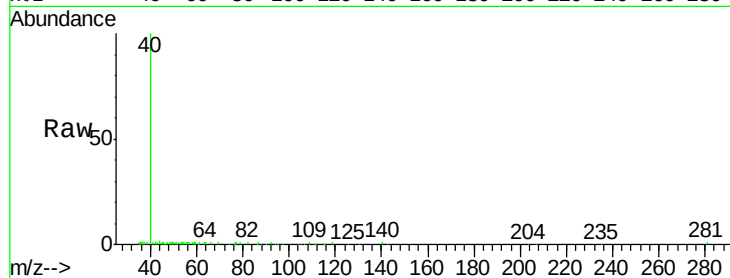
Tot Ion: 69 Resp: 51

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

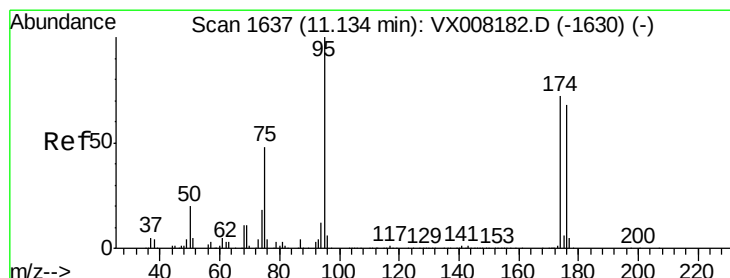
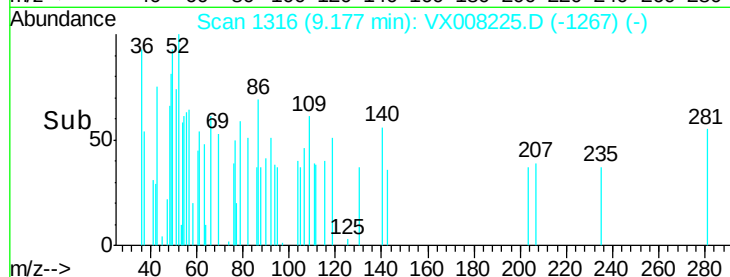
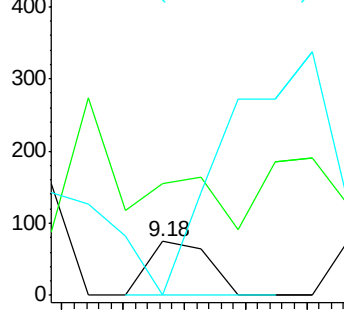
39 0.0 25.0 37.4#



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: 44.914 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

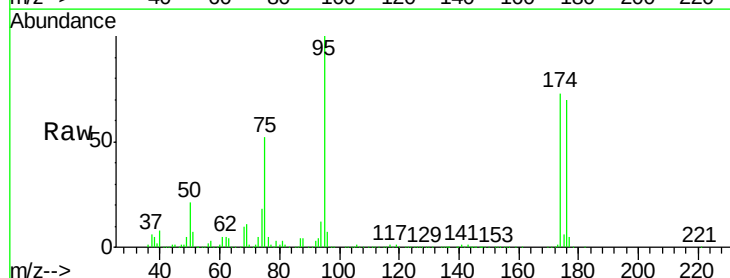
Tgt Ion: 95 Resp: 209490

Ion Ratio Lower Upper

95 100

174 77.7 0.0 182.8

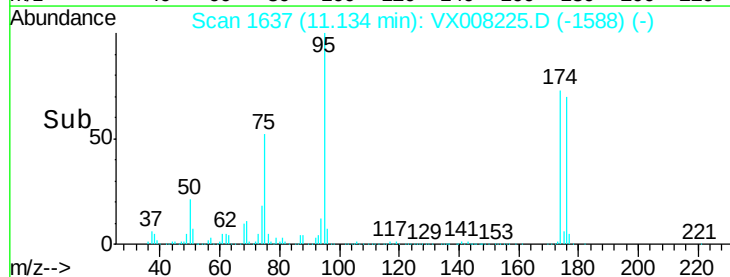
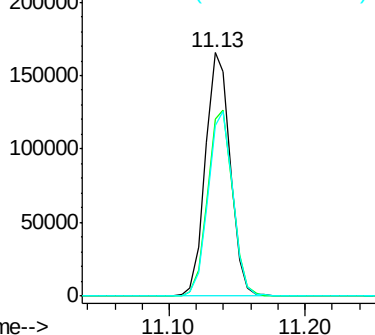
176 75.8 0.0 178.0

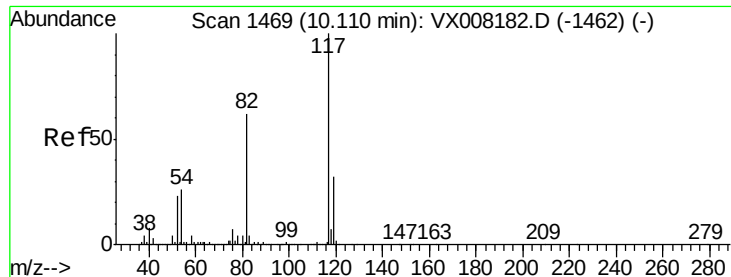


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW304D-20190312

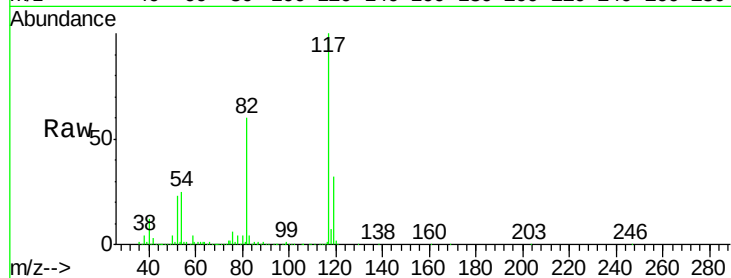
Tot Ion:117 Resp: 451657

Ion Ratio Lower Upper

117 100

82 60.2 44.3 66.5

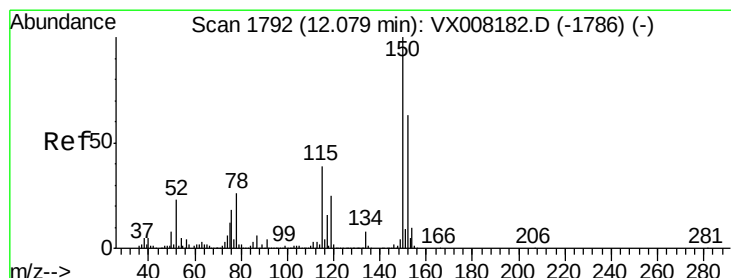
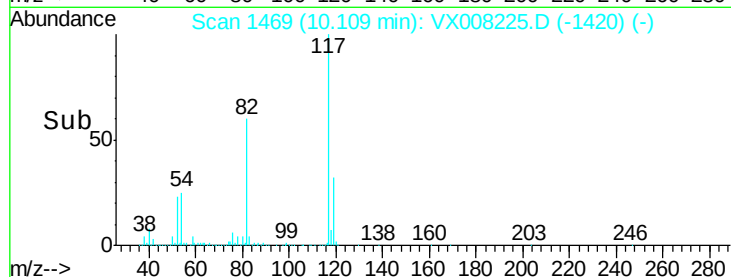
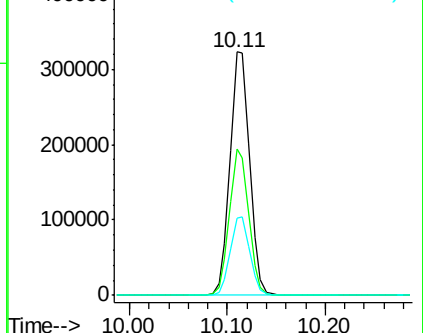
119 31.8 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX008225.D

Acq: 20 Mar 2019 06:31

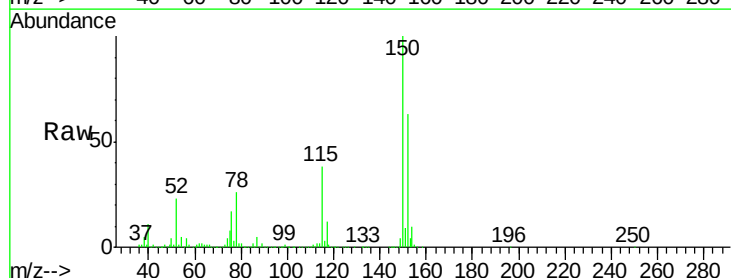
Tgt Ion:152 Resp: 179882

Ion Ratio Lower Upper

152 100

115 60.4 38.6 115.7

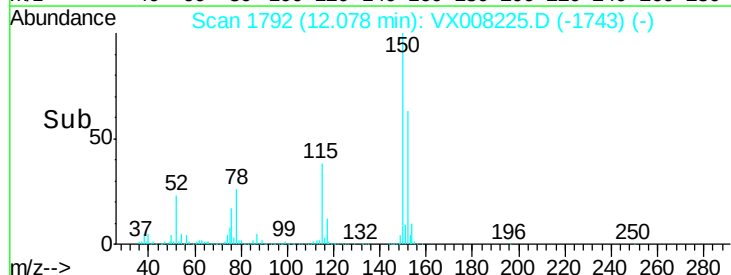
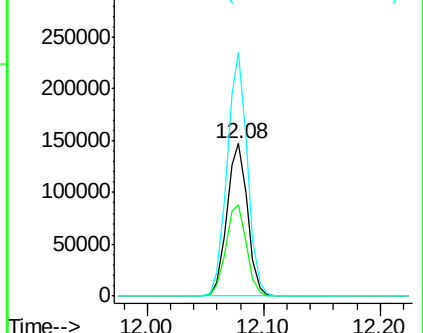
150 156.1 0.0 348.4

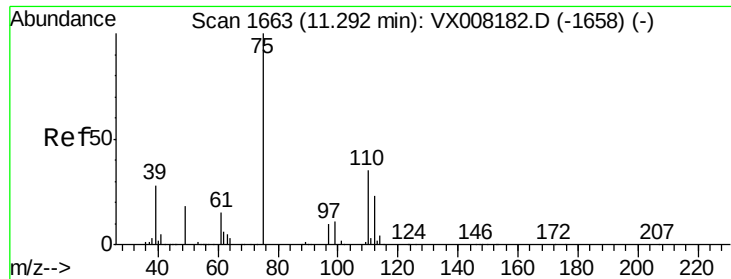


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.607 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

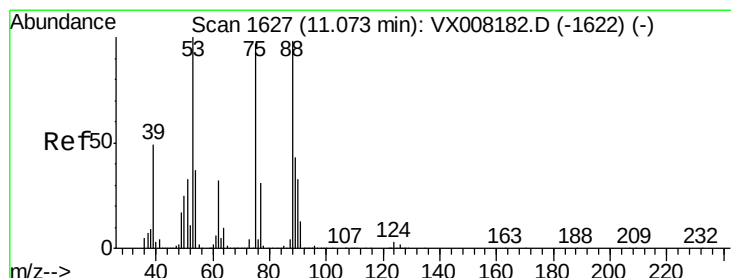
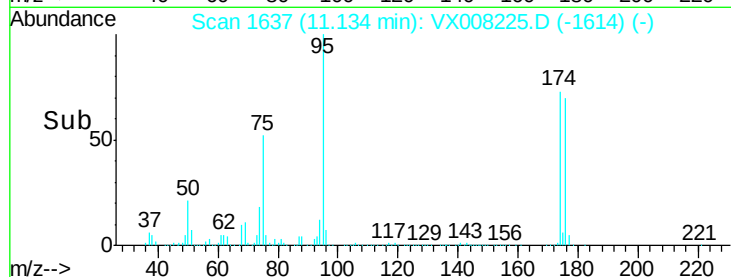
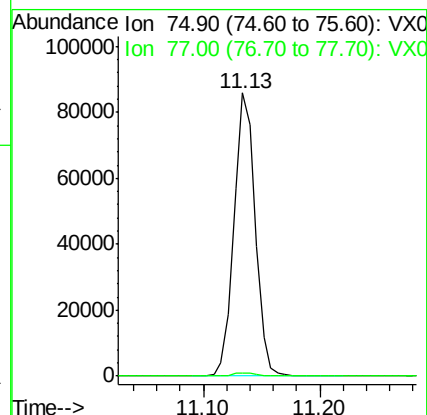
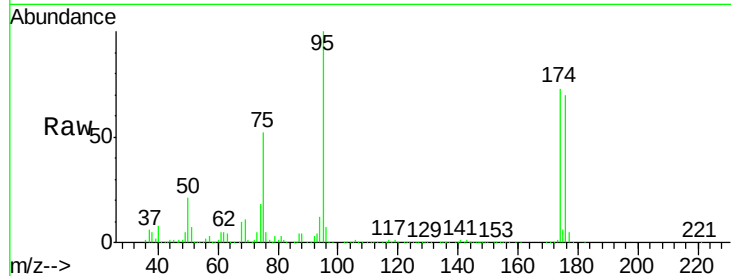
BPS1-TT-MW304D-20190312

Tot Ion: 75 Resp: 109316

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.935 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008225.D

Acq: 20 Mar 2019 06:31

Tgt Ion: 75 Resp: 109316

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.3 54.5#

