

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008235.D
 Acq On : 20 Mar 2019 12:21
 Operator : JC/SP
 Sample : K1882-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20190312DL

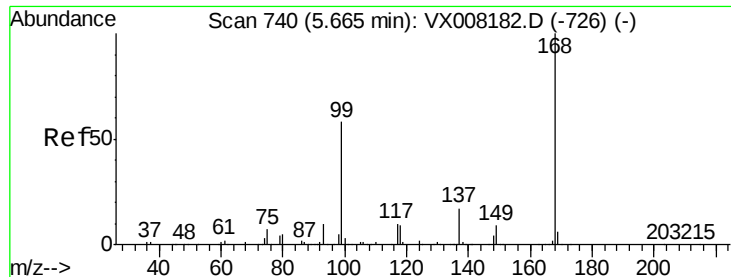
Quant Time: Mar 22 05:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	344003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	565544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	475604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	240000	46.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.64%	
35) Dibromofluoromethane	5.50	113	175928	46.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.94%	
50) Toluene-d8	8.71	98	691024	48.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.13	95	221715	44.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.28	56	155	Below Cal	#	13
15) Acrylonitrile	3.15	53	623	0.212	ug/l #	33
16) Acetone	2.45	43	746	0.254	ug/l #	77
17) Carbon Disulfide	2.57	76	1738	0.801	ug/l	98
20) Methylene Chloride	2.87	84	1069	0.218	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	28577	4.340	ug/l #	49
38) Carbon Tetrachloride	5.67	117	33798	5.761	ug/l #	15
44) Trichloroethene	7.21	130	251048	52.684	ug/l	90
49) 1,4-Dioxane	7.74	88	39	0.333	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	3528	0.437	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	211	1.448	ug/l #	78
56) Ethyl methacrylate	9.16	69	104	0.538	ug/l #	1
71) Bromoform	10.85	173	76	2.223	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	114665	21.273	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	114665	54.109	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

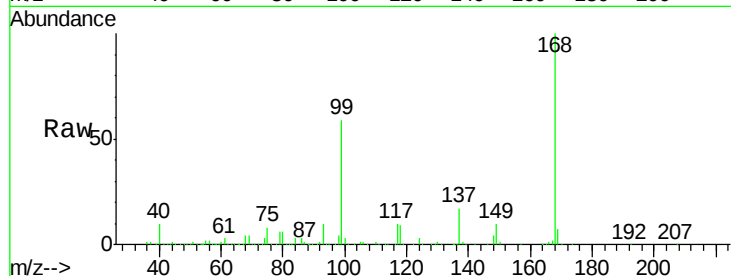
BPS1-TT-MW305D-20190312DL

Tot Ion:168 Resp: 344003

Ion Ratio Lower Upper

168 100

99 59.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

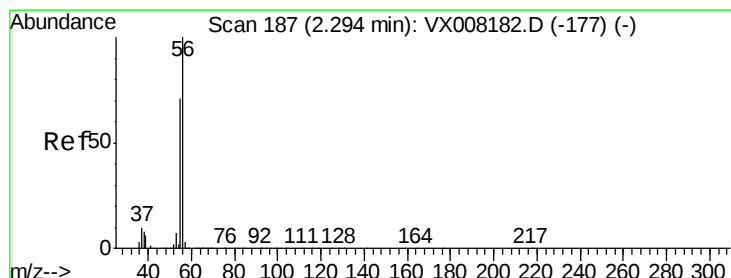
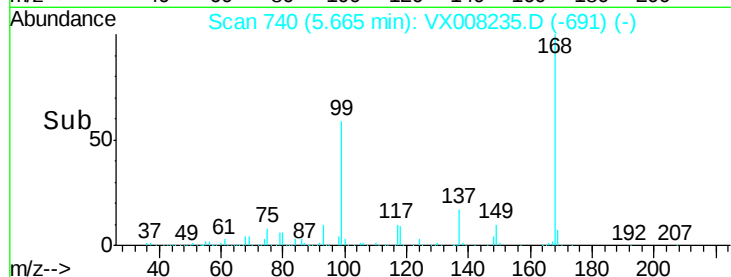
5.67

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008235.D

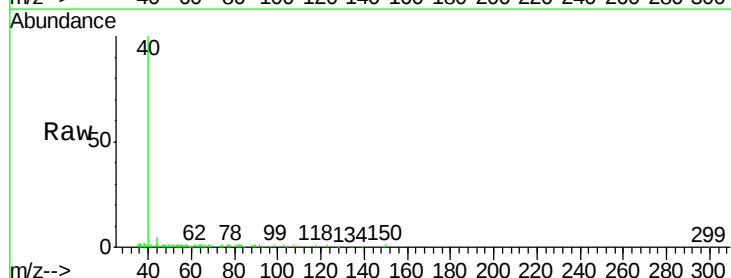
Acq: 20 Mar 2019 12:21

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

250

200

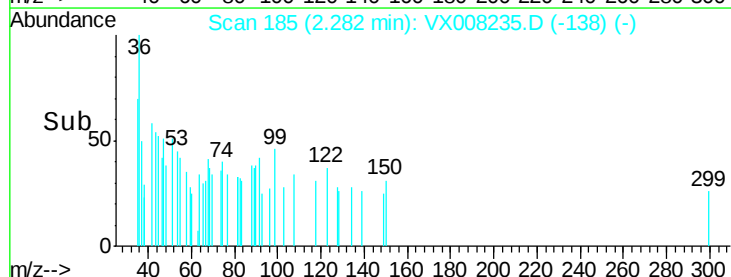
150

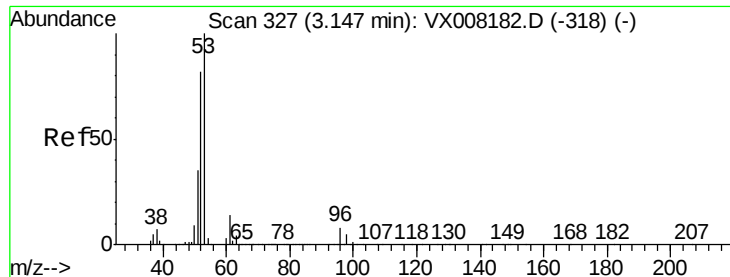
100

50

0

Time-->





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

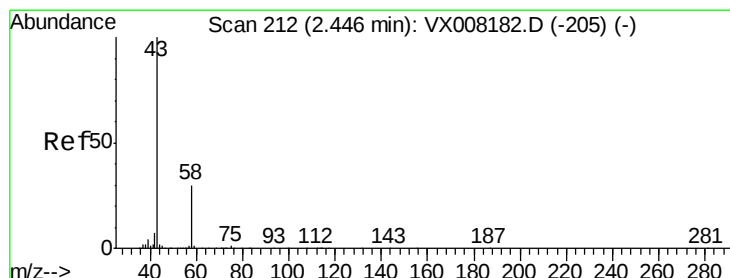
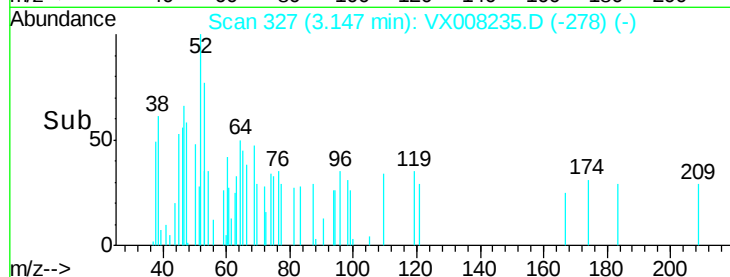
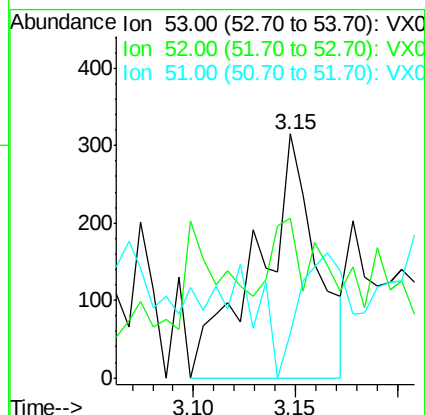
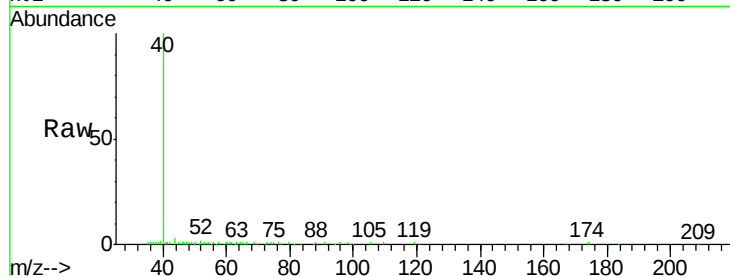
Tot Ion: 53 Resp: 623

Ion Ratio Lower Upper

53 100

52 20.1 66.0 99.0#

51 0.0 28.0 42.0#



#16

Acetone

Concen: 0.254 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008235.D

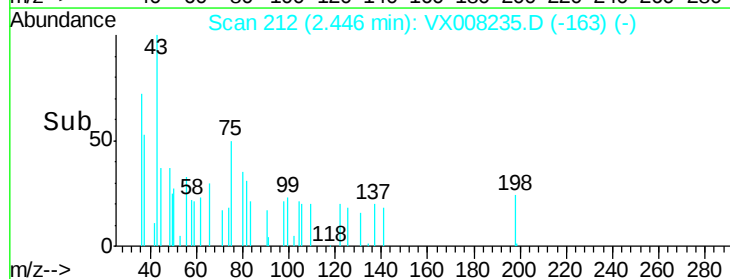
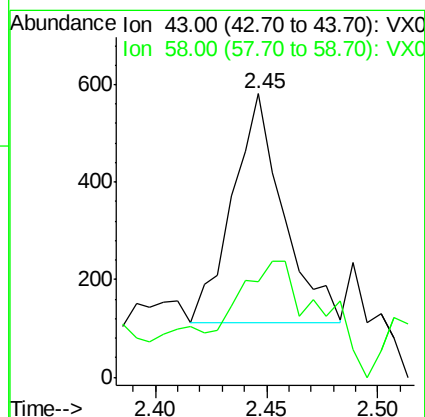
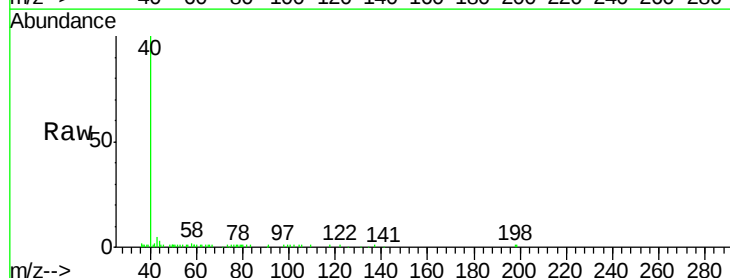
Acq: 20 Mar 2019 12:21

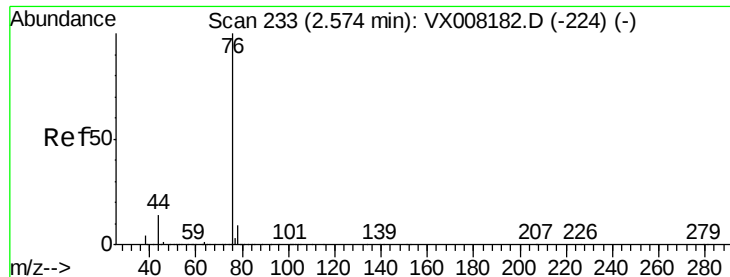
Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

43 100

58 19.4 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.801 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

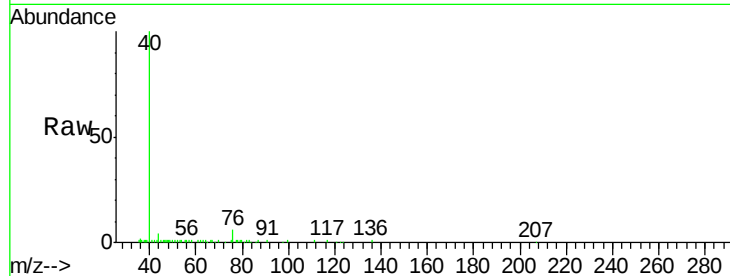
BPS1-TT-MW305D-20190312DL

Tot Ion: 76 Resp: 1738

Ion Ratio Lower Upper

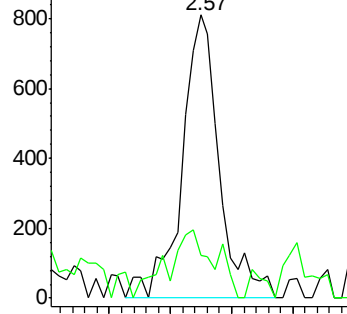
76 100

78 8.3 7.2 10.8

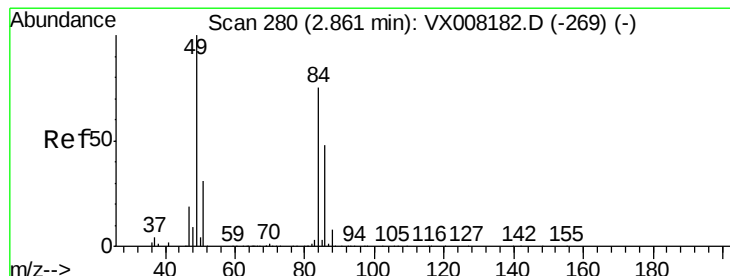
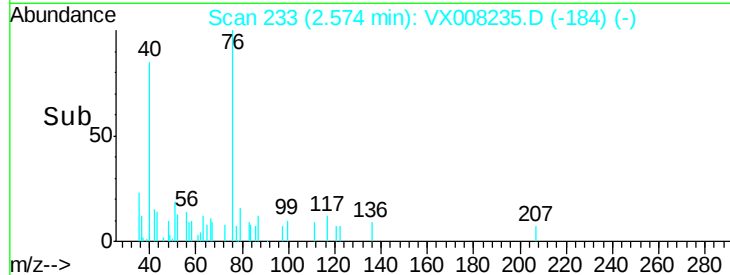


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: 0.218 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Tgt Ion: 84 Resp: 1069

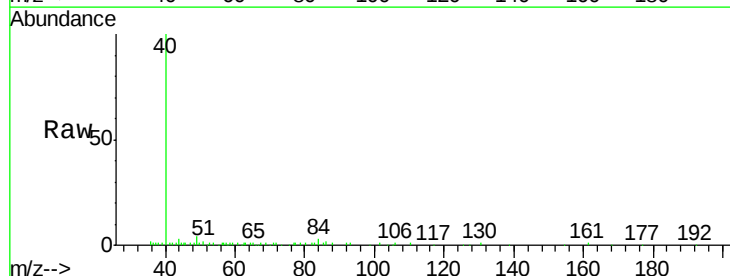
Ion Ratio Lower Upper

84 100

49 114.3 99.3 148.9

51 25.2 31.3 46.9#

86 54.5 52.6 79.0

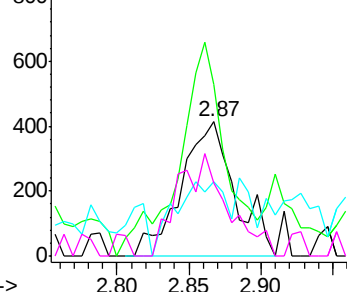


Abundance Ion 83.90 (83.60 to 84.60): VX0

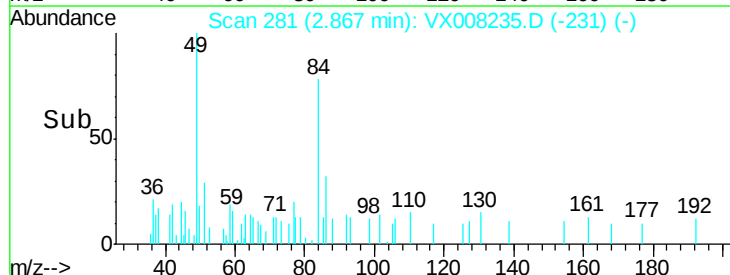
Ion 48.90 (48.60 to 49.60): VX0

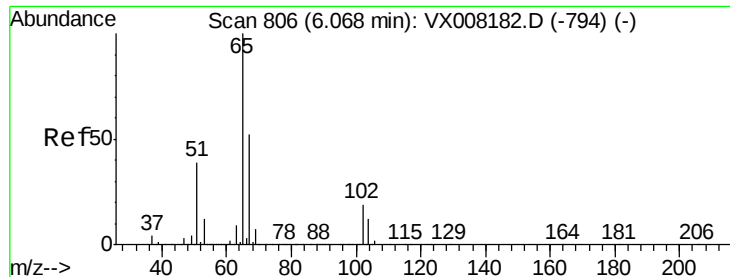
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.323 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

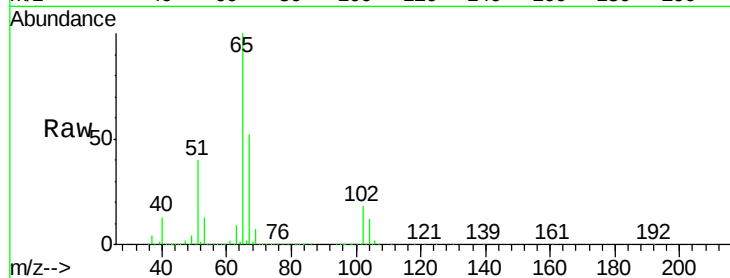
BPS1-TT-MW305D-20190312DL

Tot Ion: 65 Resp: 240000

Ion Ratio Lower Upper

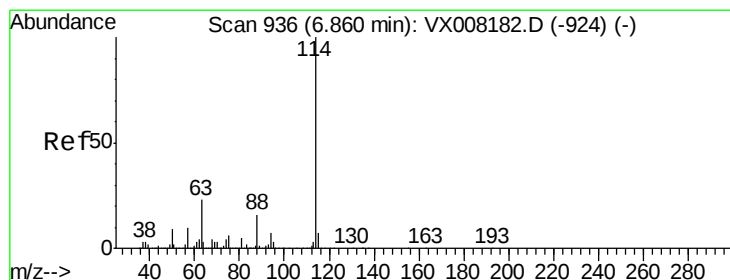
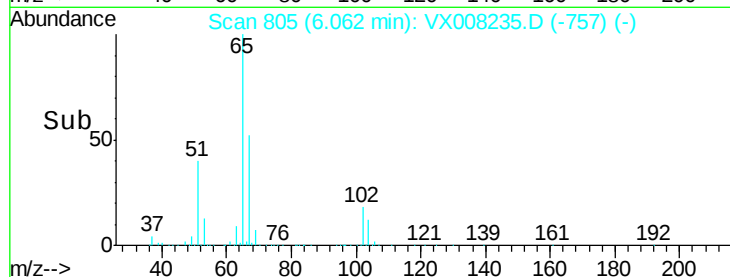
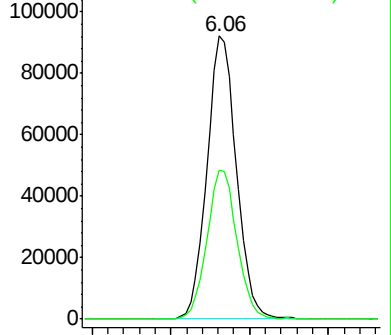
65 100

67 53.0 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: VX008235.D

Acq: 20 Mar 2019 12:21

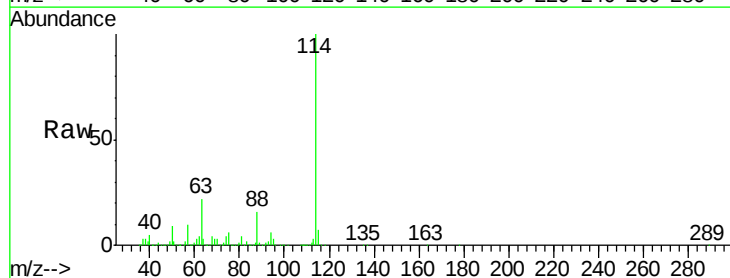
Tgt Ion: 114 Resp: 565544

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.8

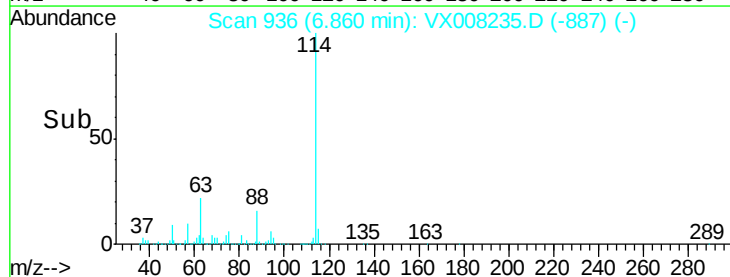
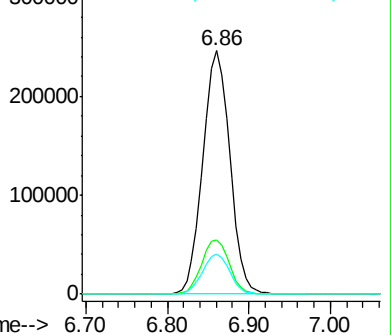
88 16.2 0.0 31.4

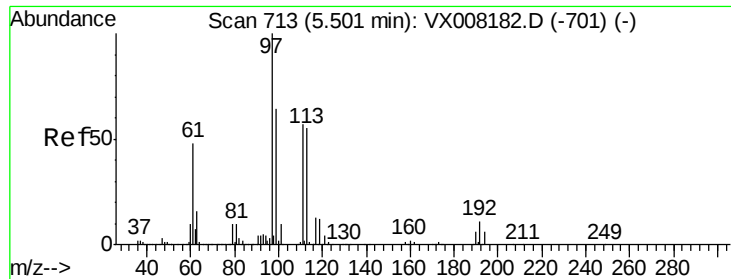


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.469 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

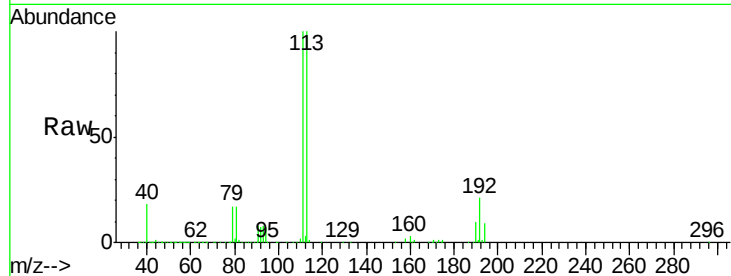
Tot Ion:113 Resp: 175928

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

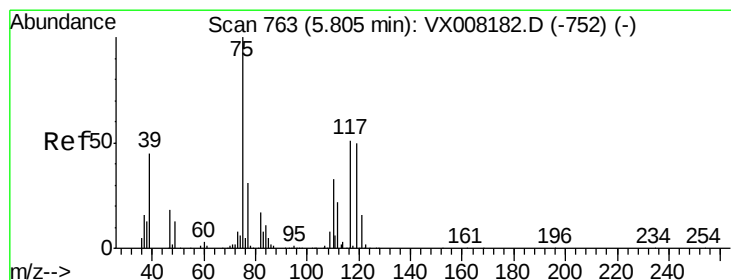
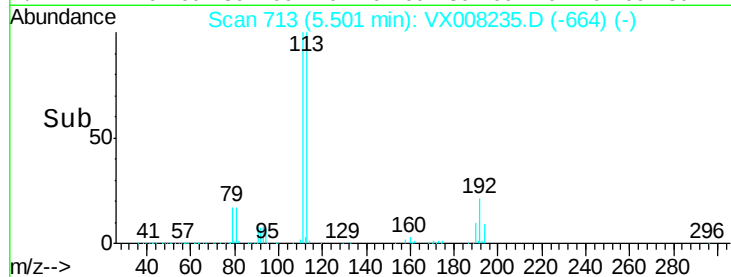
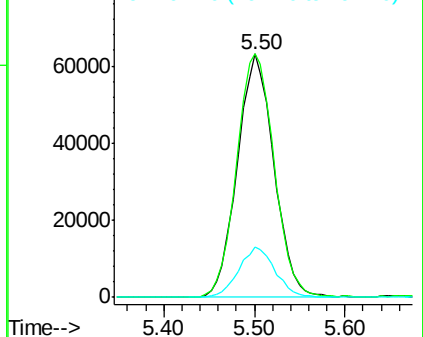
192 20.6 19.4 29.0



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: 4.340 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

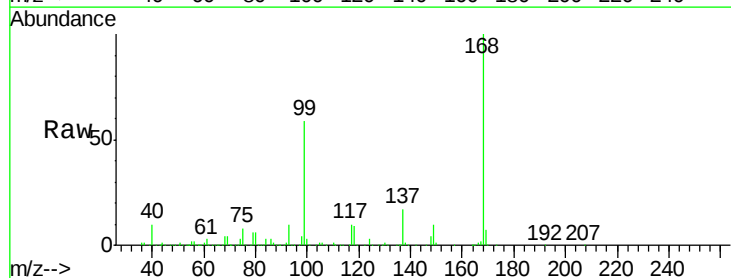
Tgt Ion: 75 Resp: 28577

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.0#

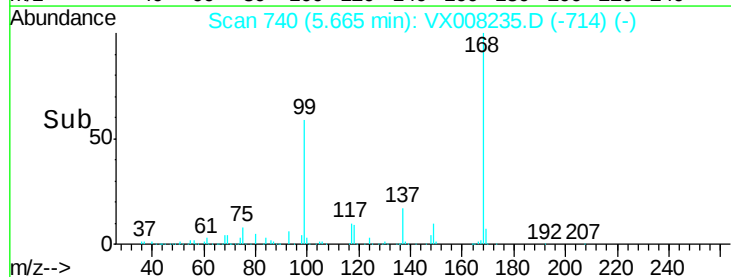
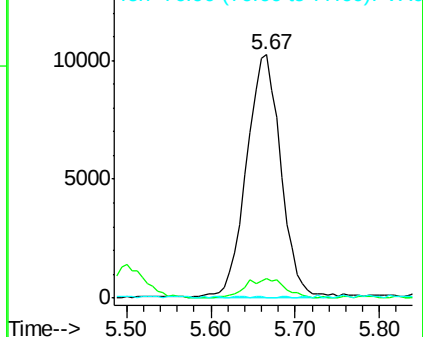
77 0.2 25.0 37.4#

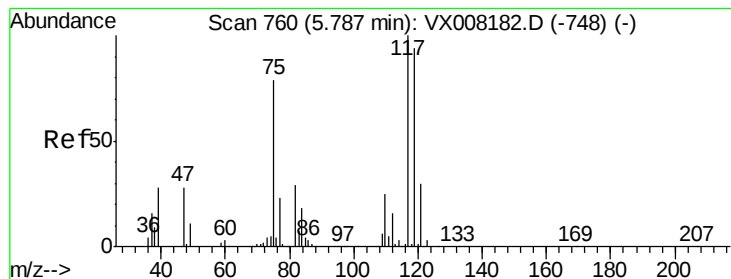


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.761 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

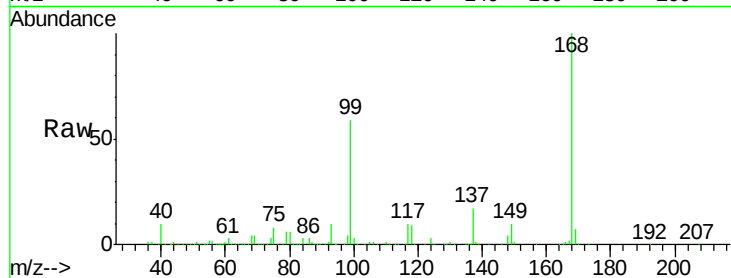
Tot Ion:117 Resp: 33798

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.2#

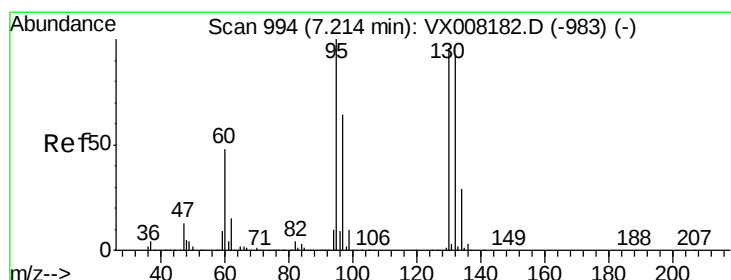
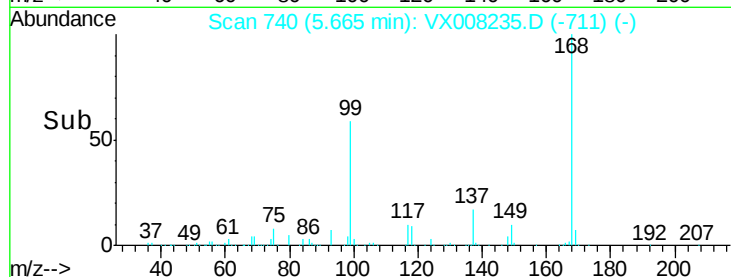
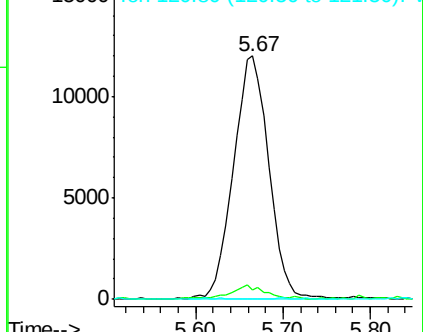
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 52.684 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008235.D

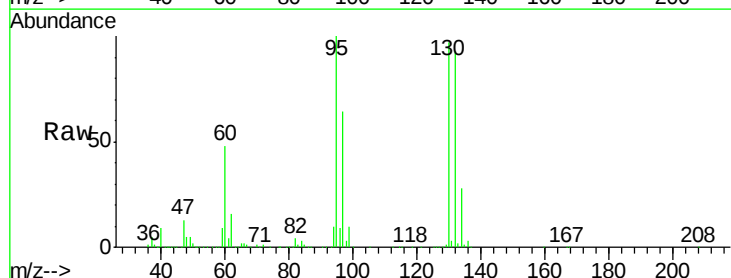
Acq: 20 Mar 2019 12:21

Tgt Ion:130 Resp: 251048

Ion Ratio Lower Upper

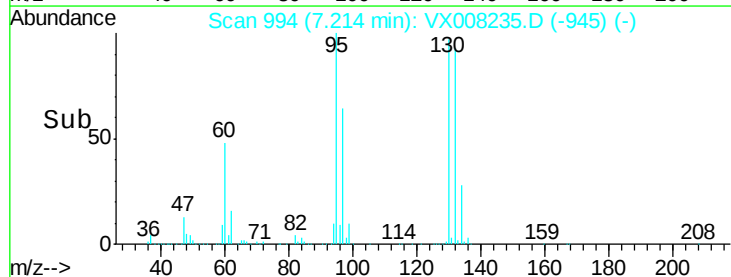
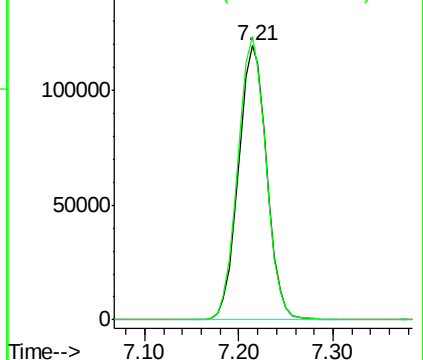
130 100

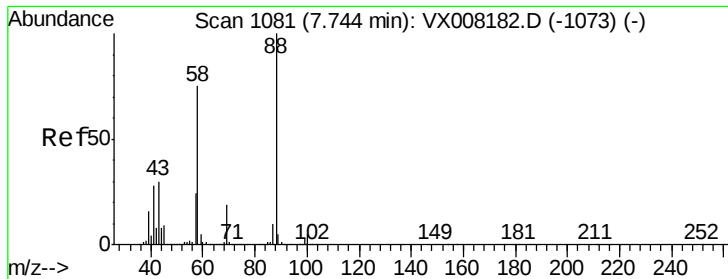
95 103.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.333 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

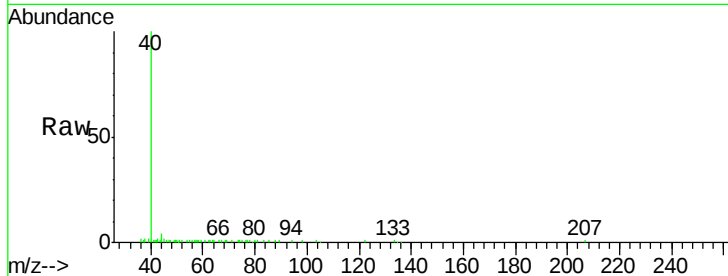
Tot Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 484.6 25.1 37.7#

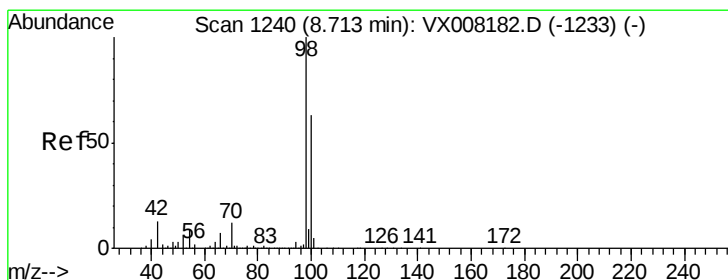
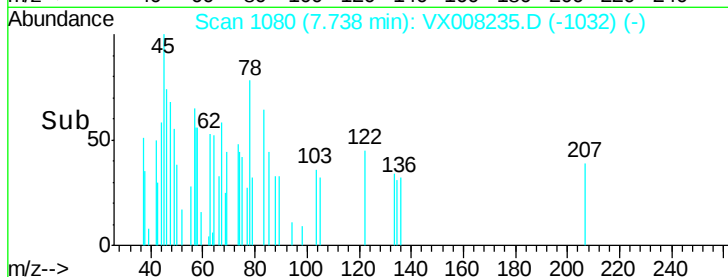
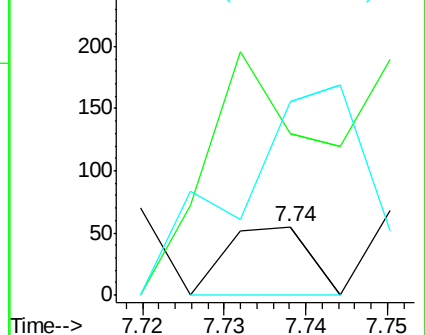
58 489.7 57.8 86.6#



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



#50

Toluene-d8

Concen: 48.142 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008235.D

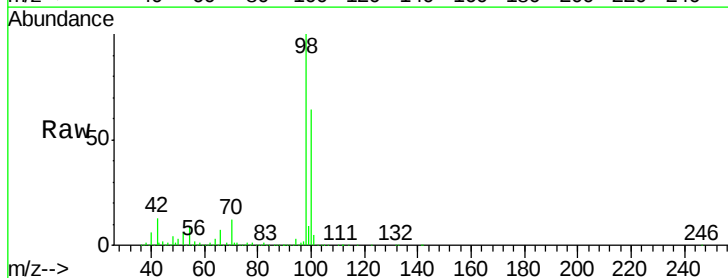
Acq: 20 Mar 2019 12:21

Tgt Ion: 98 Resp: 691024

Ion Ratio Lower Upper

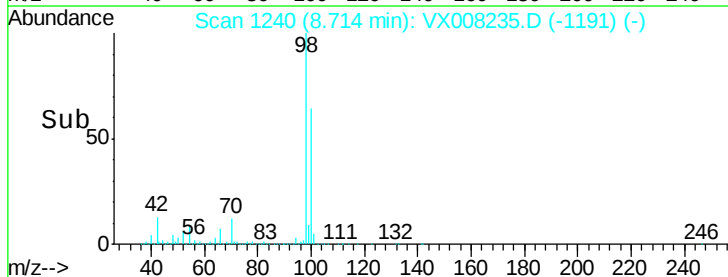
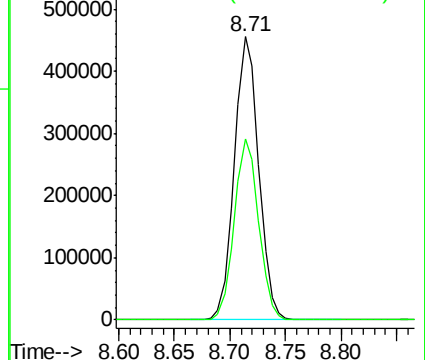
98 100

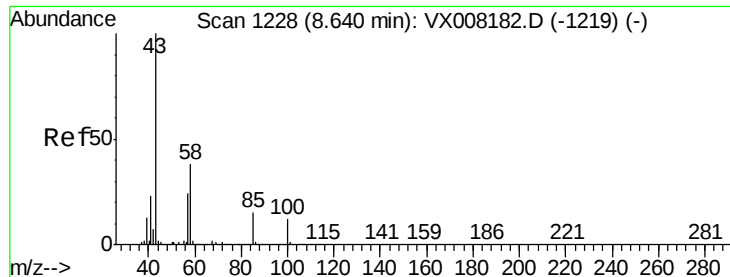
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.437 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

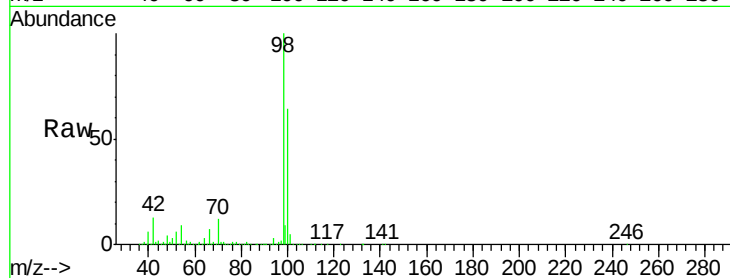
BPS1-TT-MW305D-20190312DL

Tot Ion: 43 Resp: 3528

Ion Ratio Lower Upper

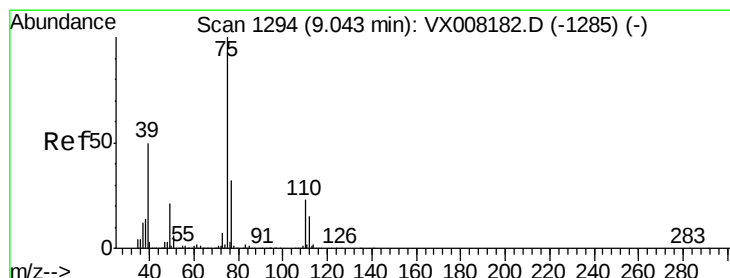
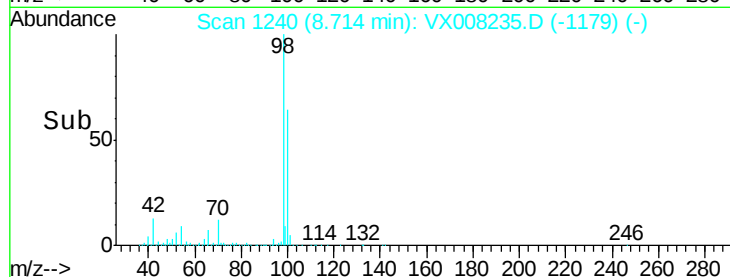
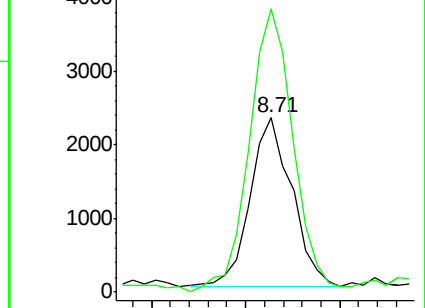
43 100

58 175.8 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

t-1,3-Dichloropropene

Concen: 1.448 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008235.D

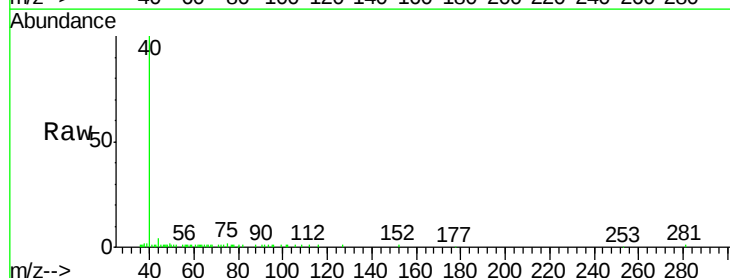
Acq: 20 Mar 2019 12:21

Tgt Ion: 75 Resp: 211

Ion Ratio Lower Upper

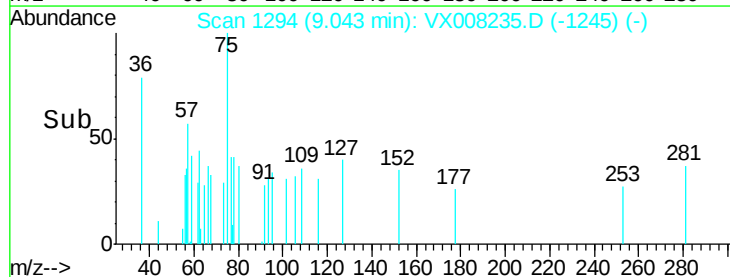
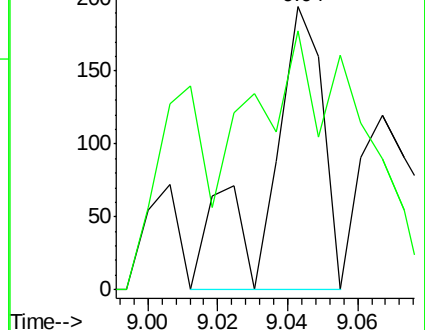
75 100

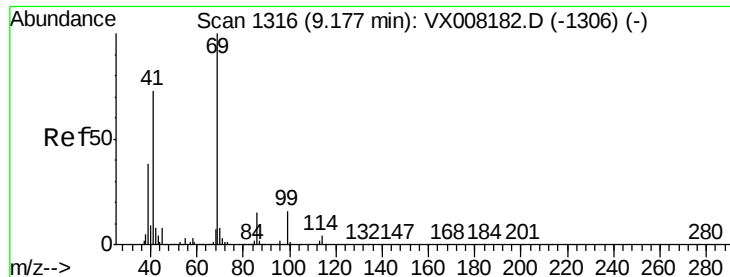
77 19.6 25.4 38.0#



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# 1314

Delta R.T. -0.01 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

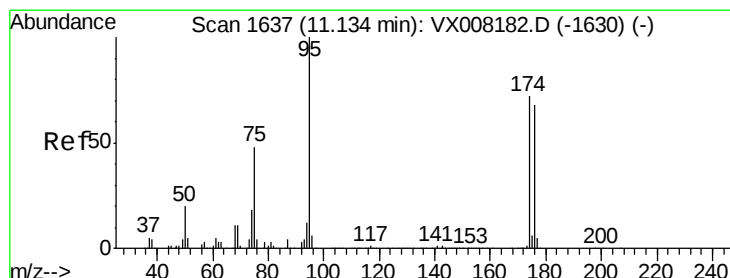
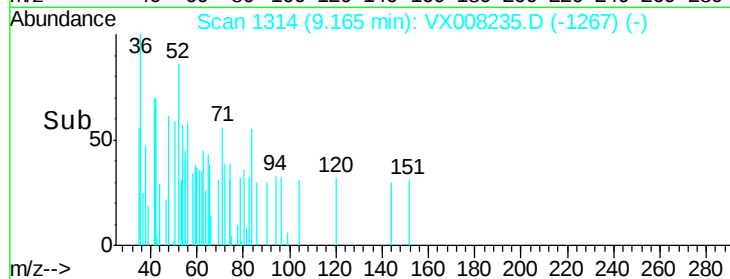
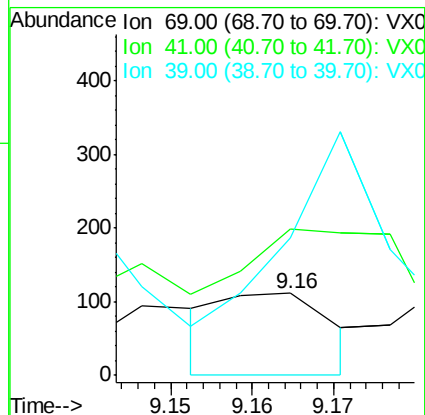
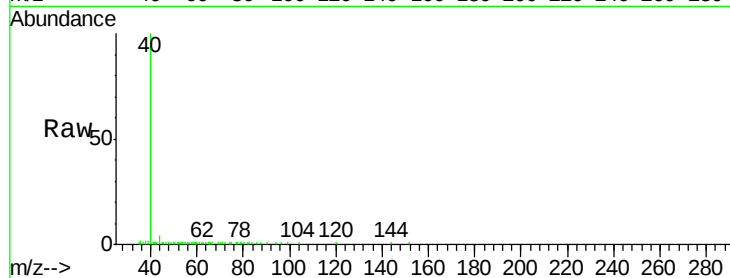
Tot Ion: 69 Resp: 104

Ion Ratio Lower Upper

69 100

41 92.3 54.2 81.4#

39 201.0 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 44.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

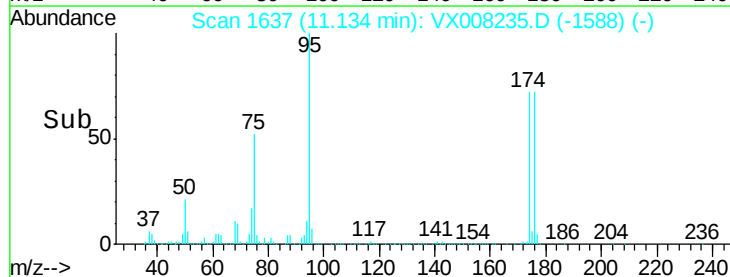
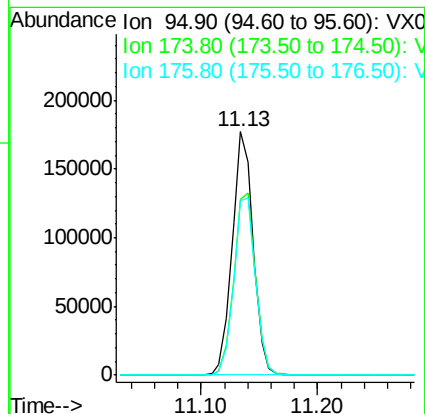
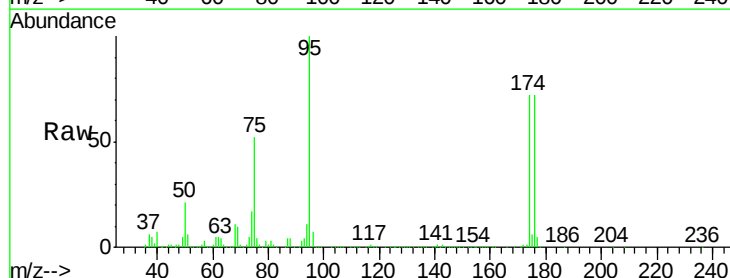
Tgt Ion: 95 Resp: 221715

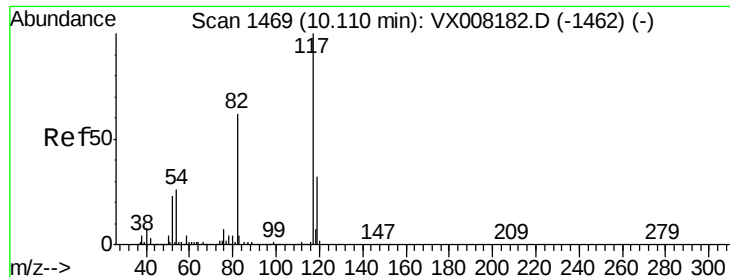
Ion Ratio Lower Upper

95 100

174 77.9 0.0 182.8

176 76.2 0.0 178.0

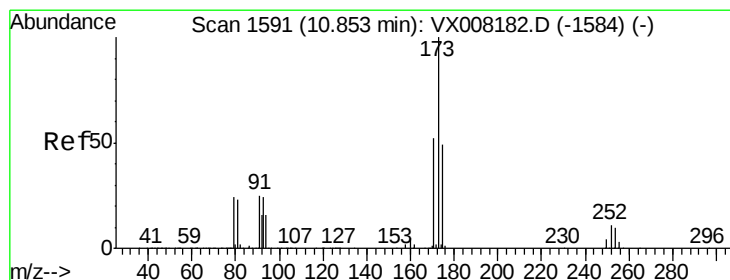
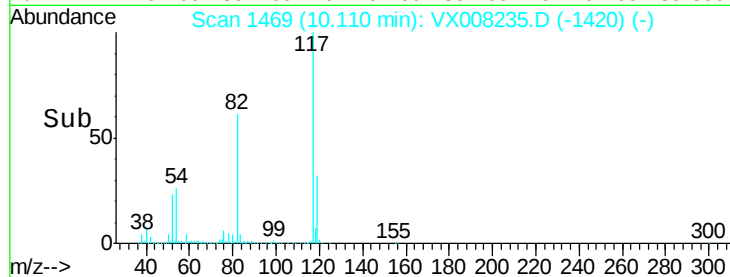
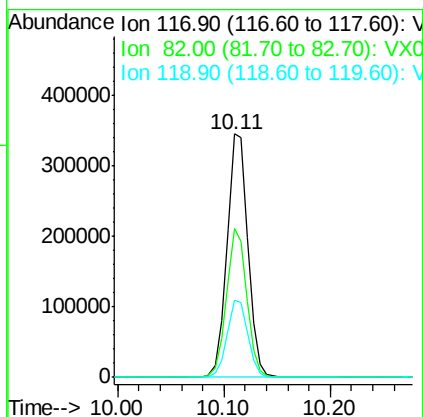
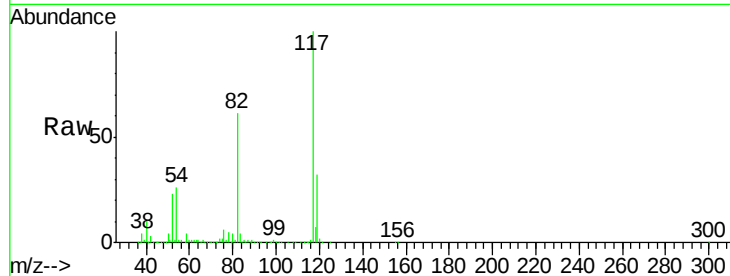




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008235.D
Acq: 20 Mar 2019 12:21

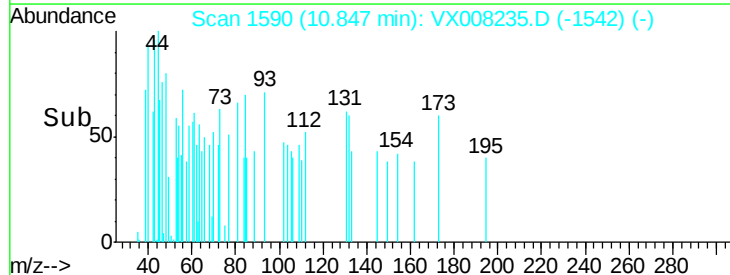
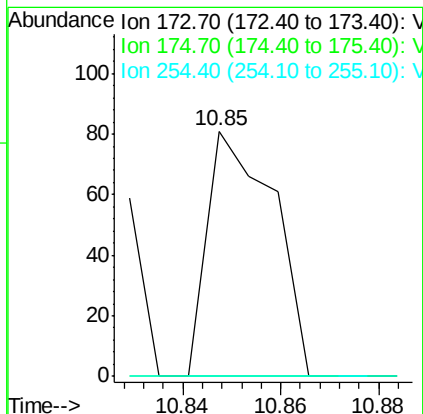
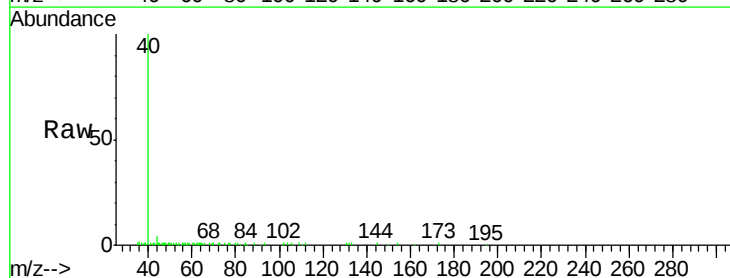
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20190312DL

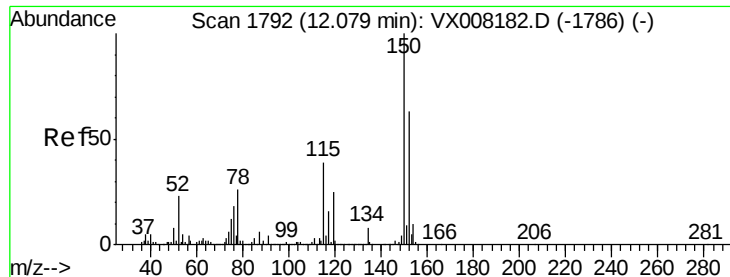
Tot Ion:117 Resp: 475604
Ion Ratio Lower Upper
117 100
82 61.0 44.3 66.5
119 31.6 25.3 37.9



#71
Bromoform
Concen: 2.223 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX008235.D
Acq: 20 Mar 2019 12:21

Tgt Ion:173 Resp: 76
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

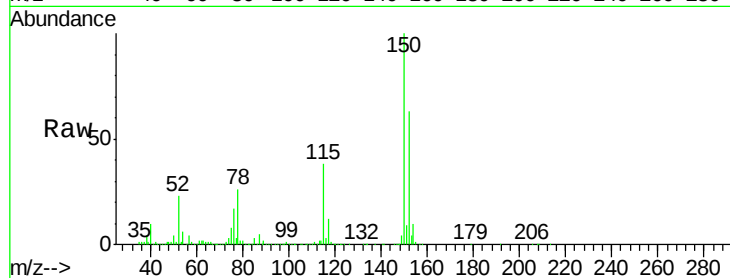
Tot Ion:152 Resp: 191643

Ion Ratio Lower Upper

152 100

115 60.2 38.6 115.7

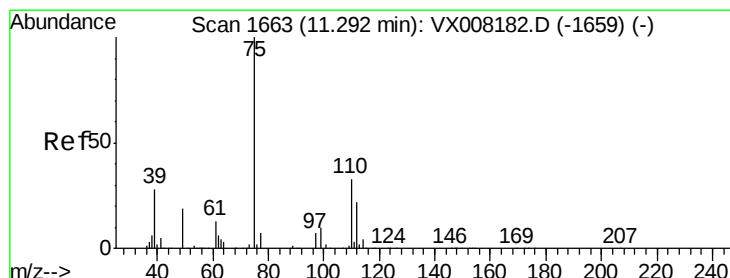
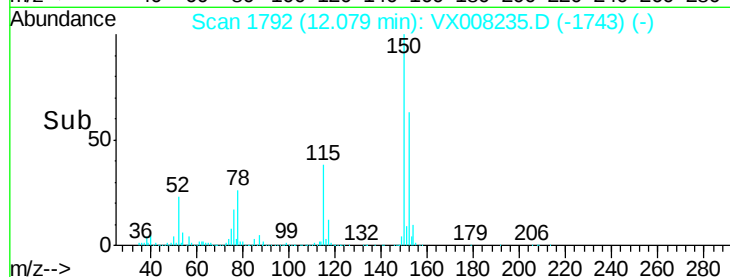
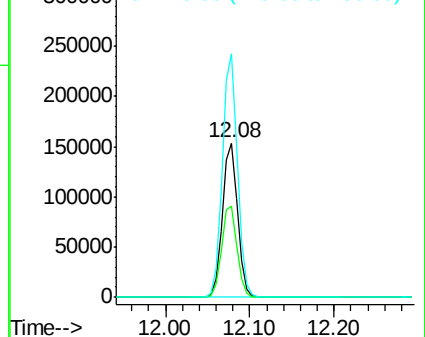
150 156.6 0.0 348.4



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: 21.273 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008235.D

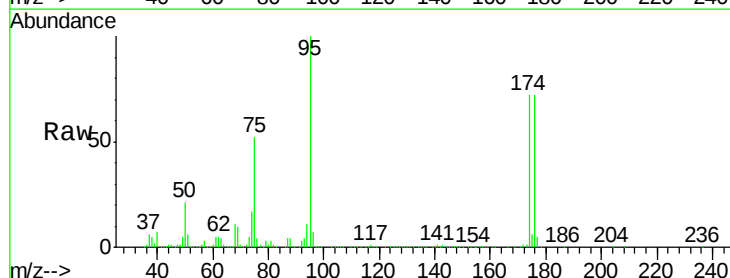
Acq: 20 Mar 2019 12:21

Tgt Ion: 75 Resp: 114665

Ion Ratio Lower Upper

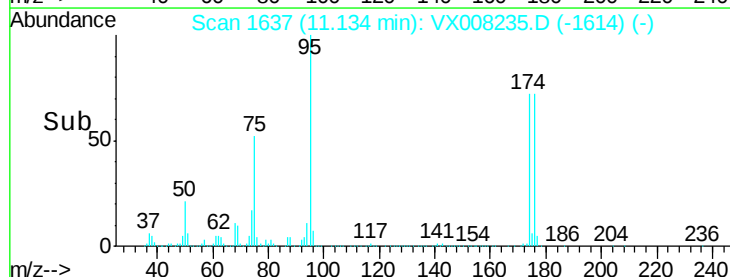
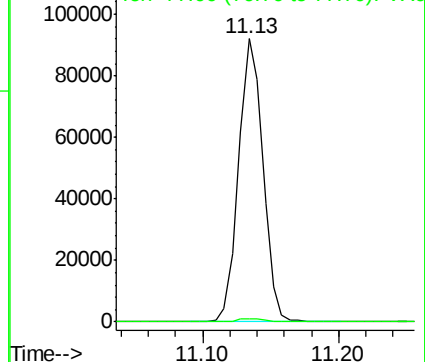
75 100

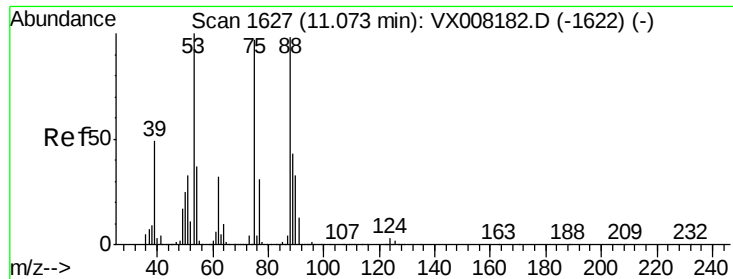
77 1.4 18.9 56.7#



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: 54.109 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008235.D

Acq: 20 Mar 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190312DL

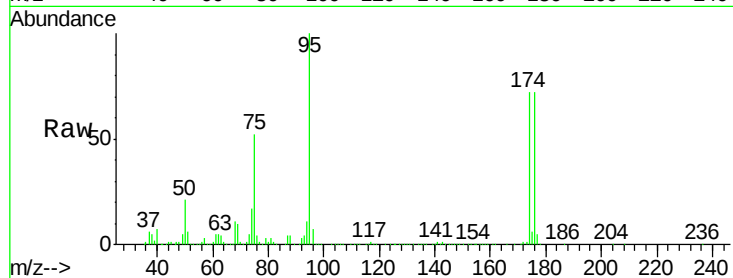
Tot Ion: 75 Resp: 114665

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

