

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008262.D
 Acq On : 21 Mar 2019 00:22
 Operator : JC/SP
 Sample : K1900-13DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305I-20190313DL

Quant Time: Mar 22 05:39:14 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	344049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	558334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193507	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	237231	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
35) Dibromofluoromethane	5.50	113	176310	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	8.71	98	694072	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	223576	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

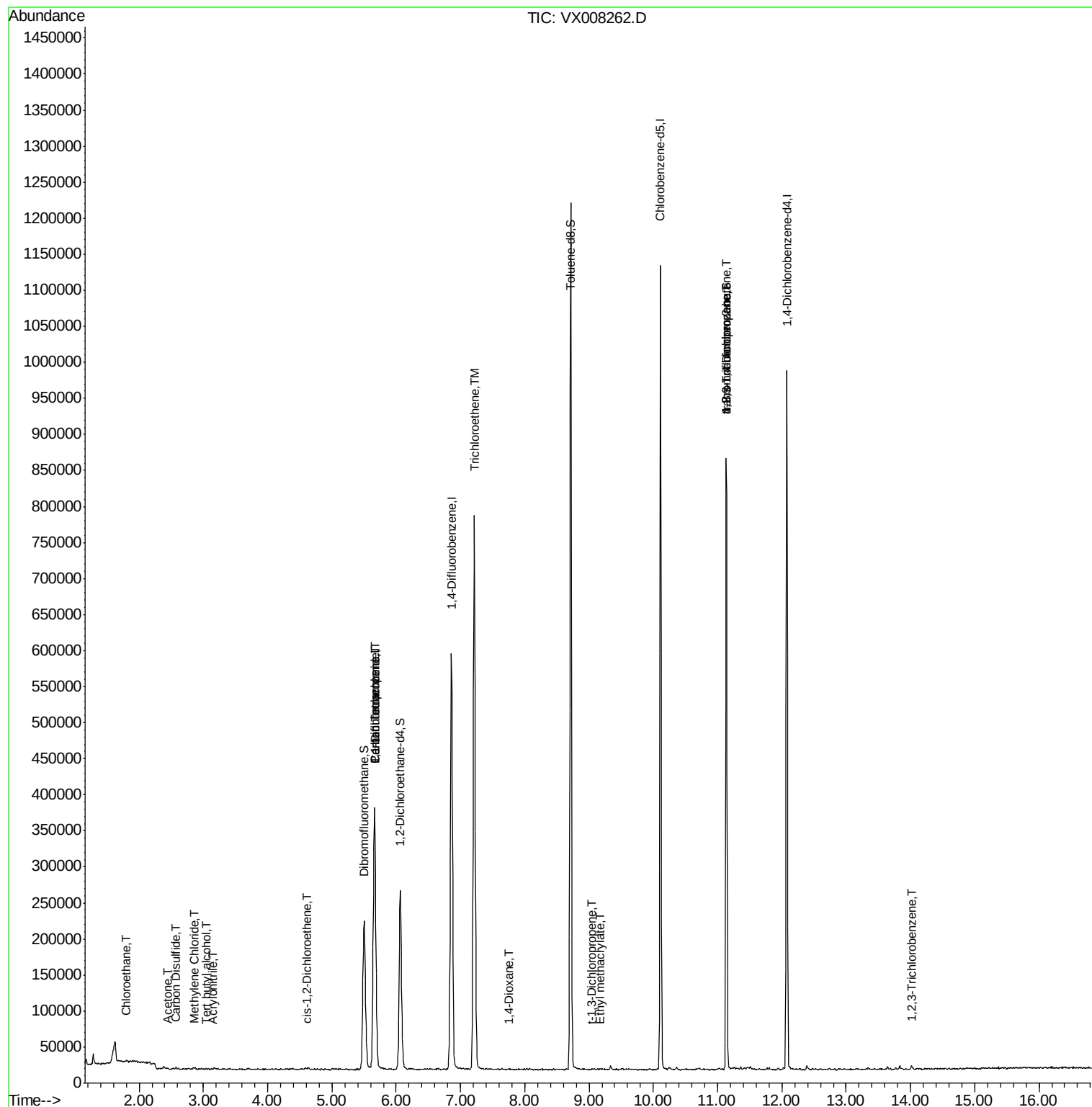
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.80	64	826	0.252	ug/l #	65
11) Tert butyl alcohol	3.05	59	323	0.291	ug/l #	1
13) Acrolein	2.30	56	253	Below Cal	#	60
15) Acrylonitrile	3.15	53	621	0.212	ug/l #	82
16) Acetone	2.45	43	1084	0.369	ug/l #	43
17) Carbon Disulfide	2.57	76	3337	0.917	ug/l	98
20) Methylene Chloride	2.86	84	1096	0.224	ug/l #	82
27) cis-1,2-Dichloroethene	4.60	96	1332	0.259	ug/l	89
36) 1,1-Dichloropropene	5.67	75	27414	4.217	ug/l #	41
38) Carbon Tetrachloride	5.67	117	33779	5.832	ug/l #	16
44) Trichloroethene	7.21	130	286309	60.860	ug/l	87
49) 1,4-Dioxane	7.75	88	207	1.791	ug/l #	35
53) t-1,3-Dichloropropene	9.05	75	476	1.482	ug/l #	1
56) Ethyl methacrylate	9.18	69	274	0.559	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	116783	21.457	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	116783	54.566	ug/l #	12
96) 1,2,3-Trichlorobenzene	14.02	180	985	0.202	ug/l	98

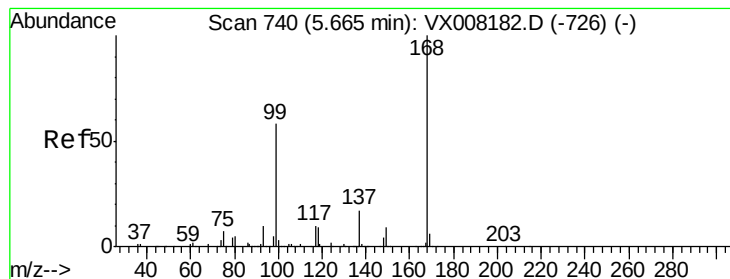
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

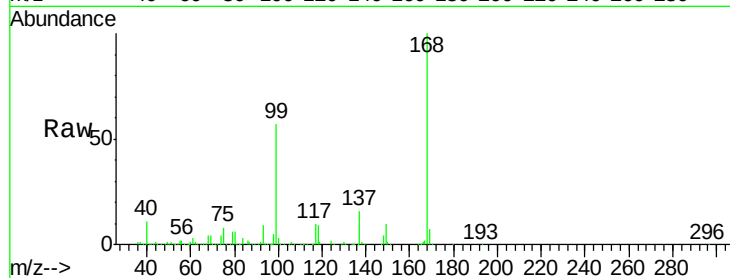
BPS1-TT-MW305I-20190313DL

Tot Ion:168 Resp: 344049

Ion Ratio Lower Upper

168 100

99 56.9 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

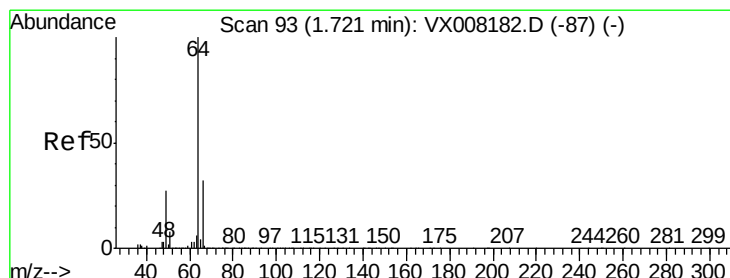
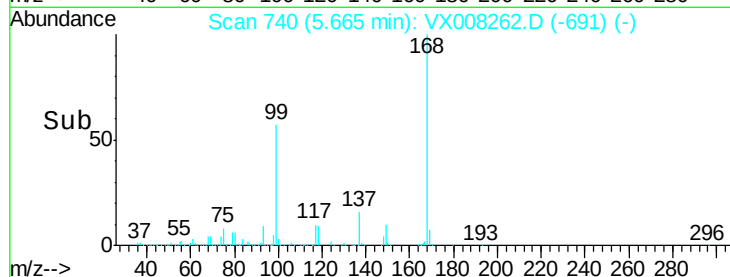
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.252 ug/l

RT: 1.80 min Scan# 106

Delta R.T. 0.08 min

Lab File: VX008262.D

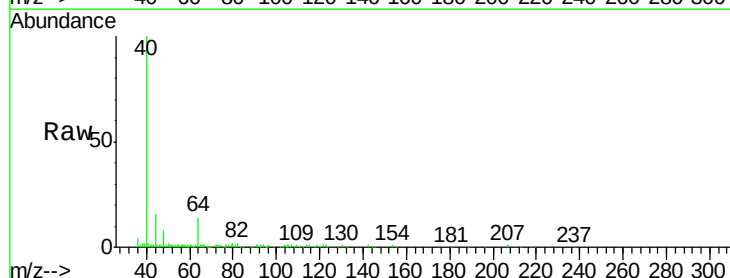
Acq: 21 Mar 2019 00:22

Tgt Ion: 64 Resp: 826

Ion Ratio Lower Upper

64 100

66 12.3 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.80

2500

2000

1500

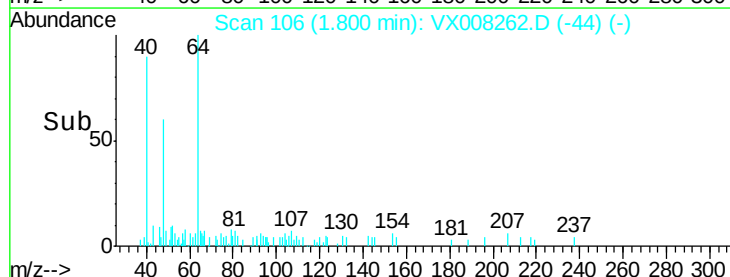
1000

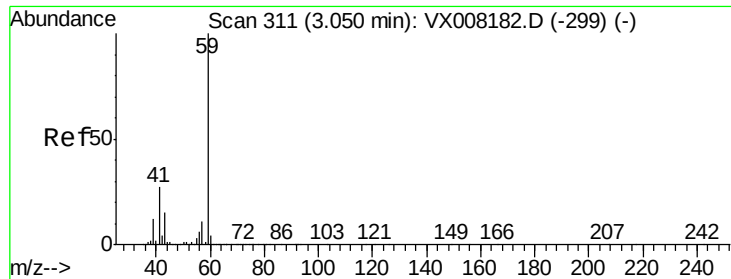
500

0

Time-->

1.76 1.78 1.80 1.82

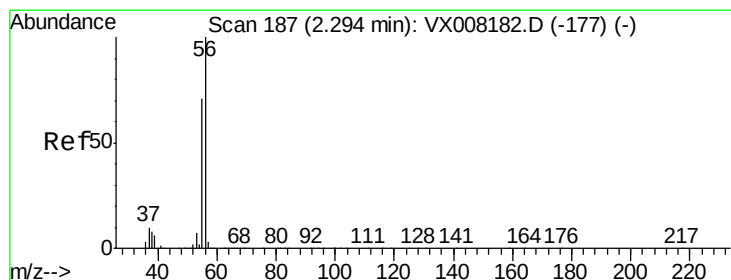
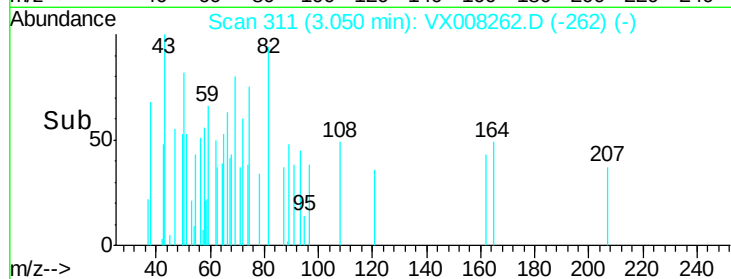
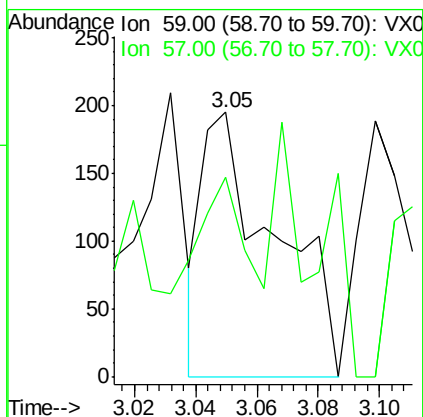
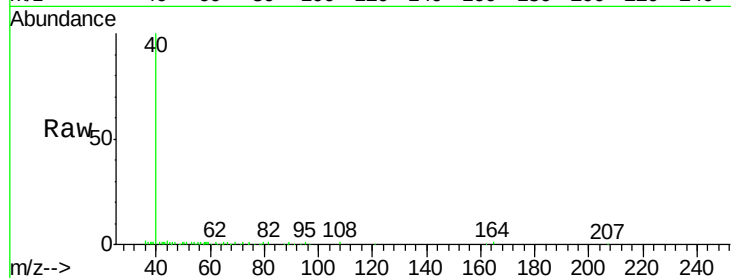




#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

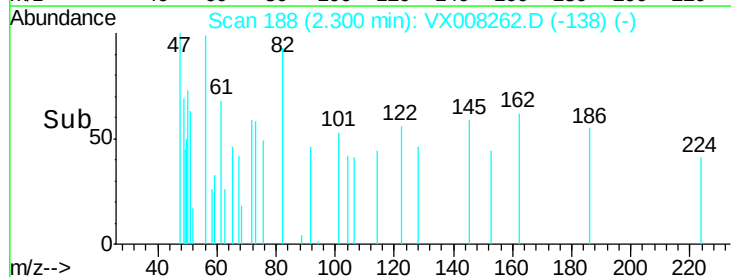
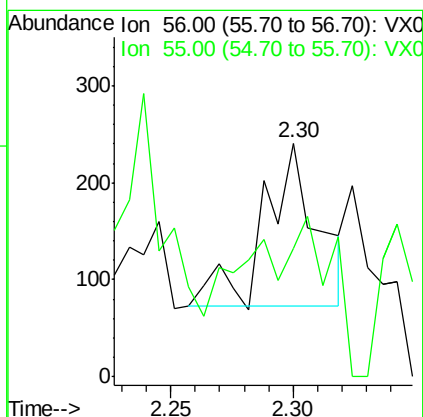
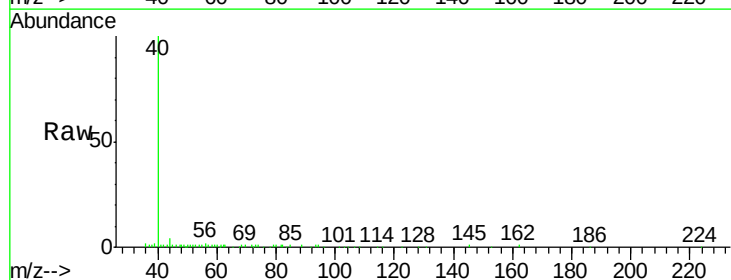
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BPS1-TT-MW305I-20190313DL

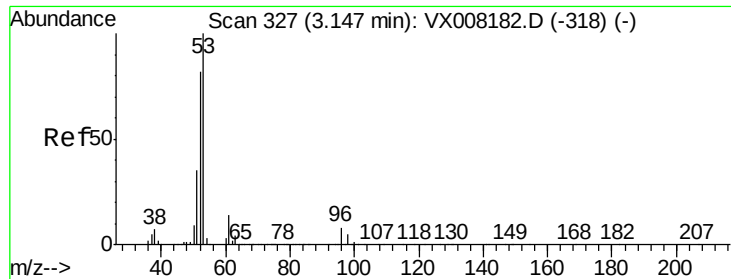
Tot Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 57.9 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 39.1 57.8 86.6#





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305I-20190313DL

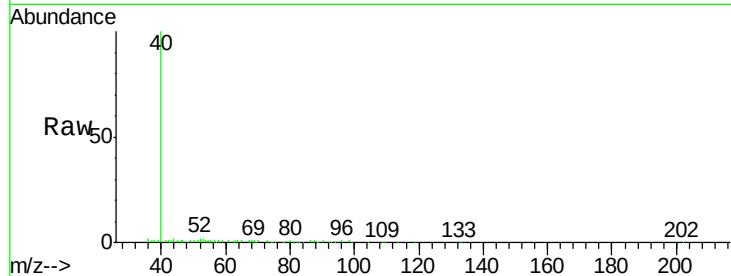
Tot Ion: 53 Resp: 621

Ion Ratio Lower Upper

53 100

52 94.8 66.0 99.0

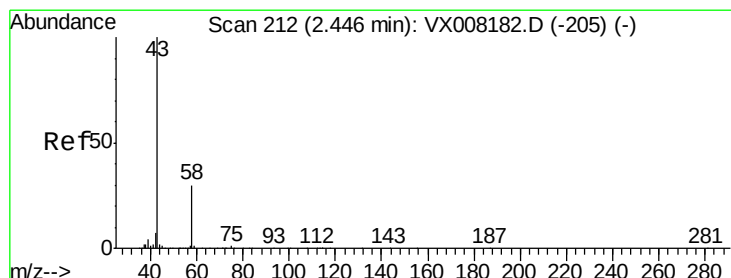
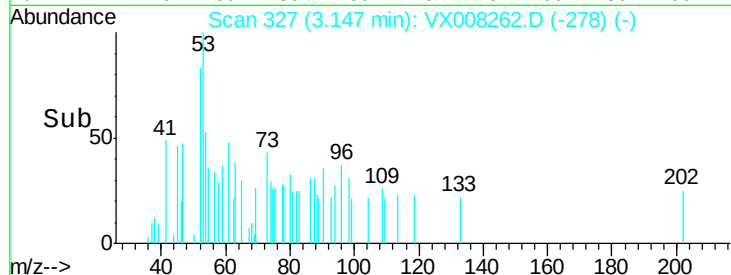
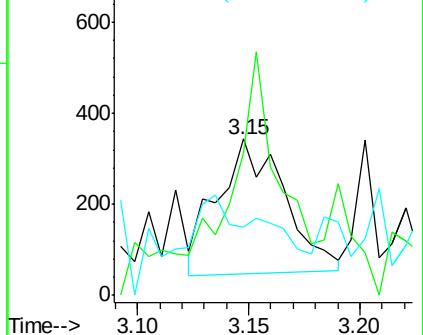
51 19.3 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.369 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008262.D

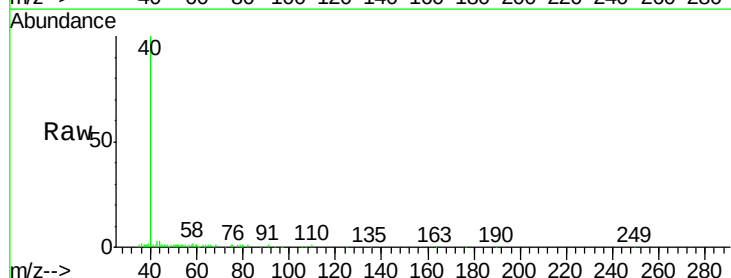
Acq: 21 Mar 2019 00:22

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

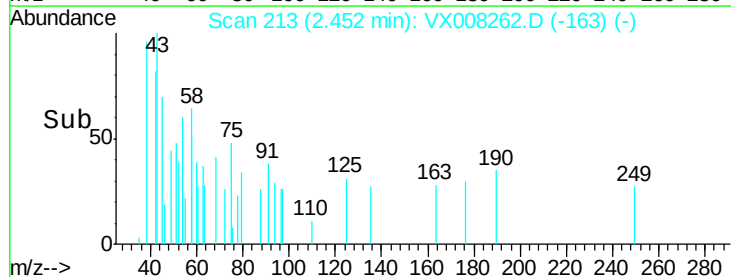
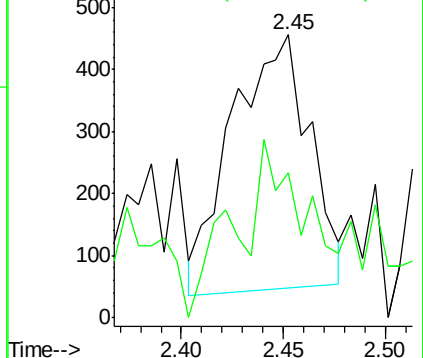
43 100

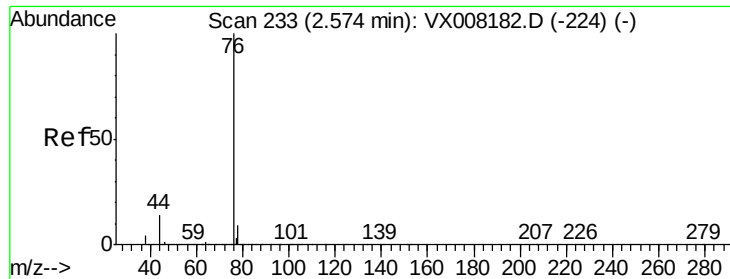
58 63.8 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

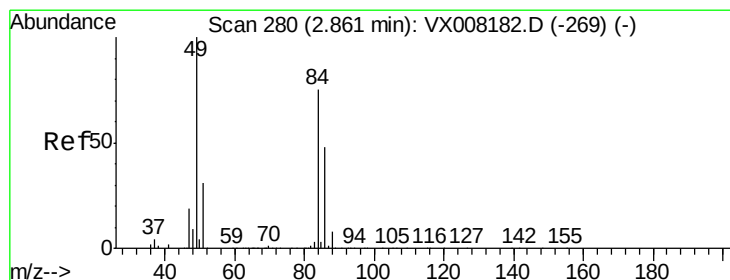
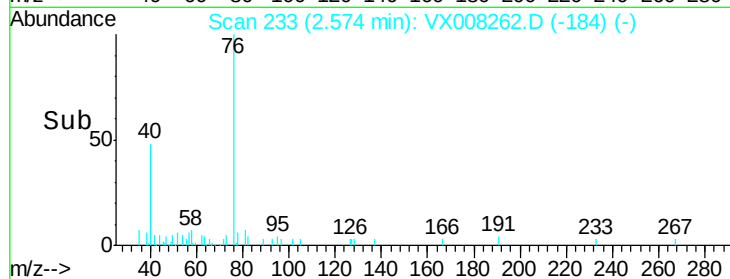
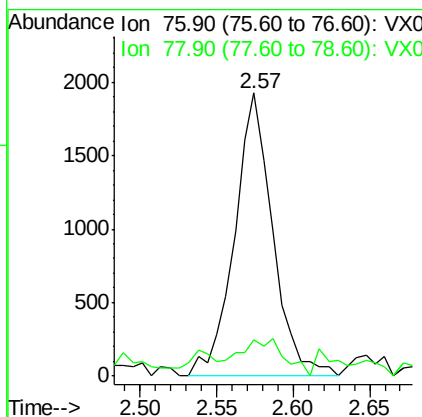
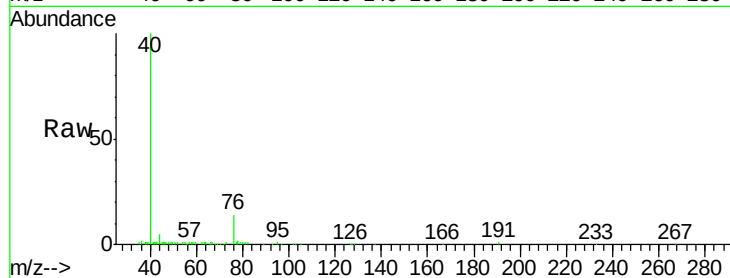




#17
Carbon Disulfide
Concen: 0.917 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

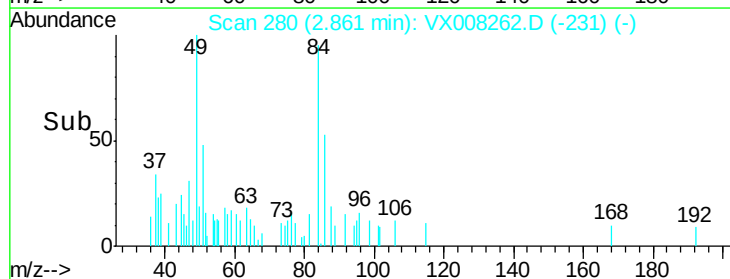
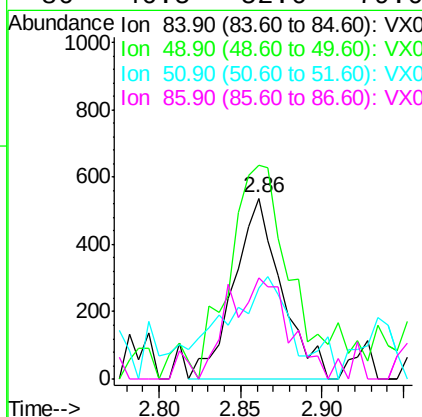
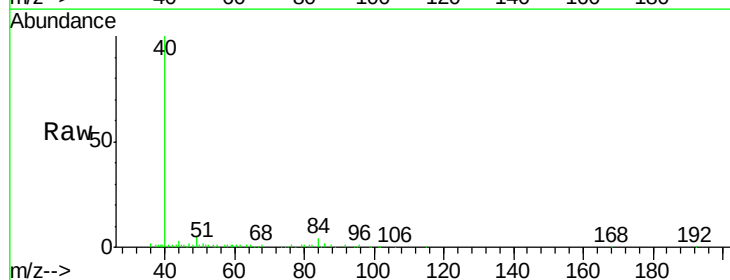
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190313DL

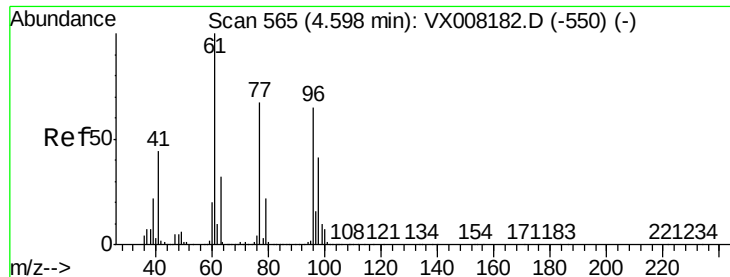
Tot Ion: 76 Resp: 3337
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

Tgt Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
49 108.2 99.3 148.9
51 50.4 31.3 46.9#
86 46.5 52.6 79.0#





#27

cis-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305I-20190313DL

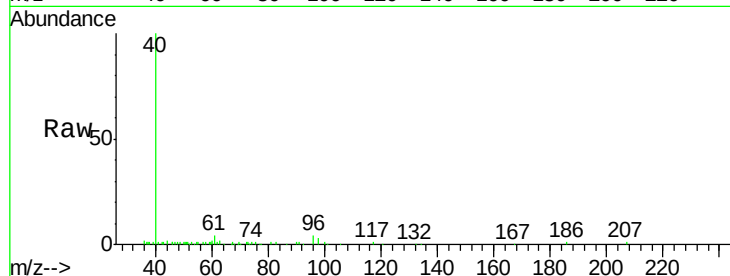
Tot Ion: 96 Resp: 1332

Ion Ratio Lower Upper

96 100

61 132.9 0.0 288.0

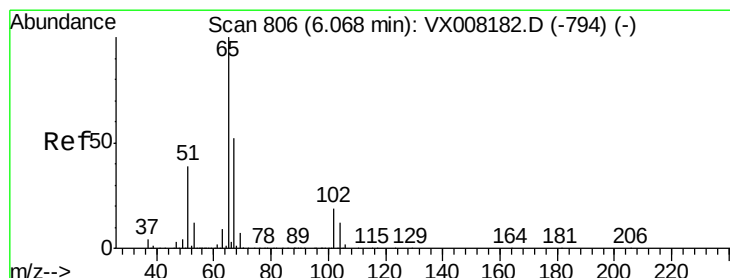
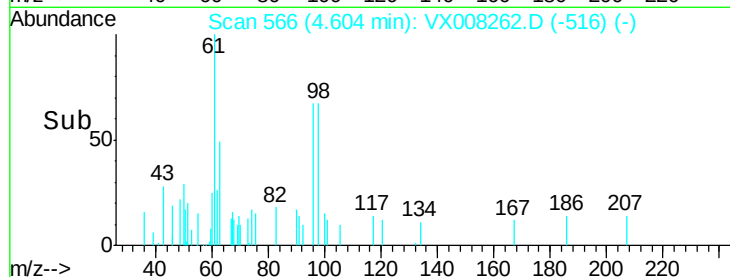
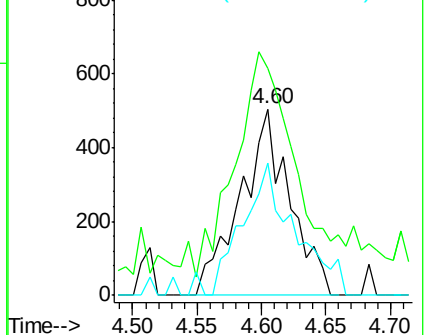
98 75.8 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.783 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008262.D

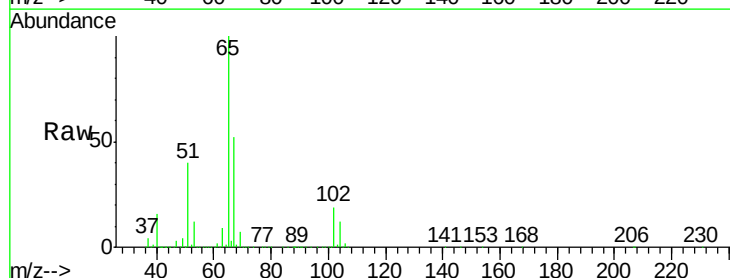
Acq: 21 Mar 2019 00:22

Tgt Ion: 65 Resp: 237231

Ion Ratio Lower Upper

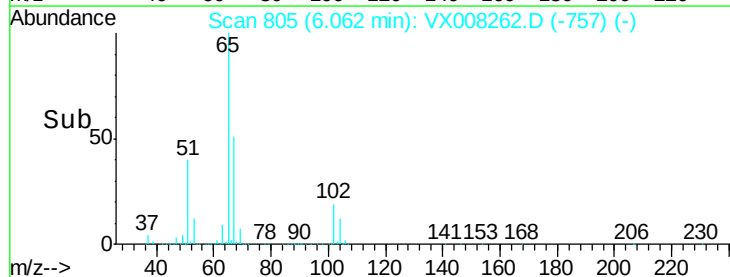
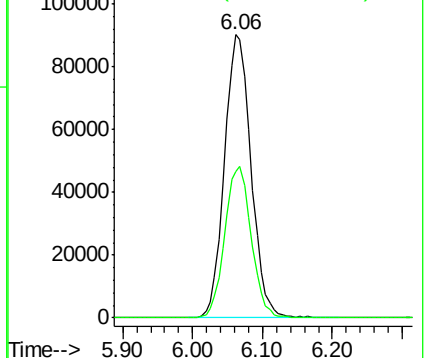
65 100

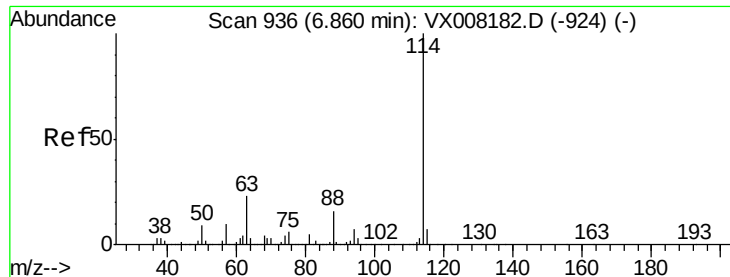
67 53.5 0.0 110.0



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: VX008262.D

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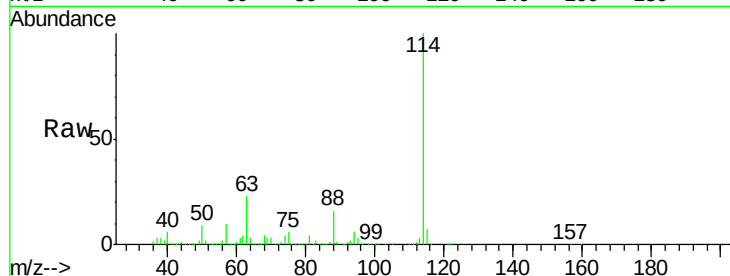
Tot Ion:114 Resp: 558334

Ion Ratio Lower Upper

114 100

63 22.9 0.0 39.8

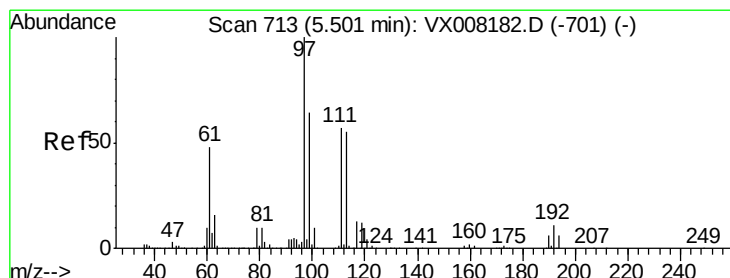
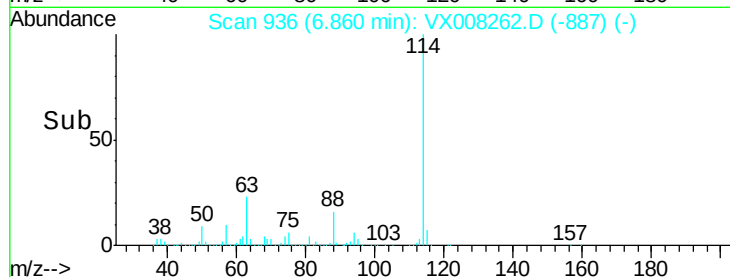
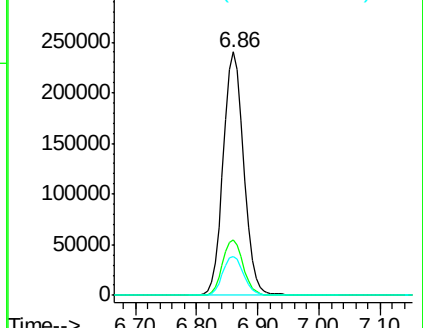
88 16.2 0.0 31.4



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: 47.171 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

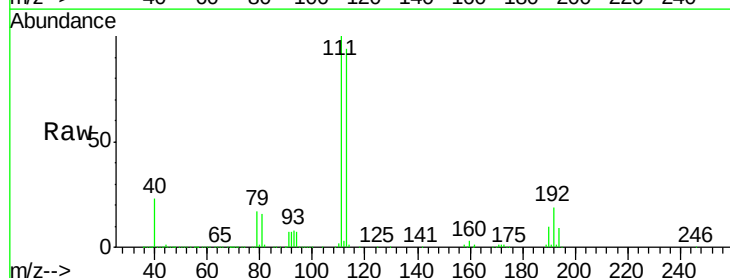
Tgt Ion:113 Resp: 176310

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

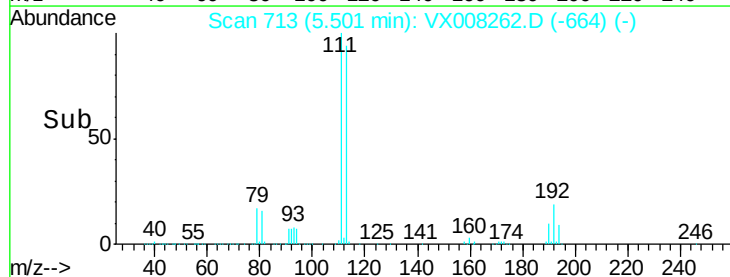
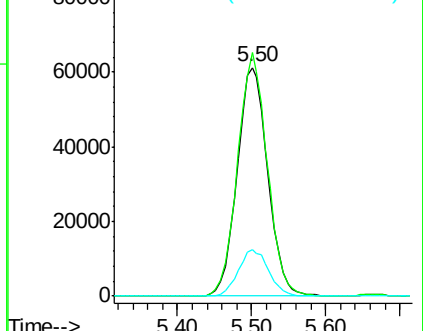
192 20.3 19.4 29.0

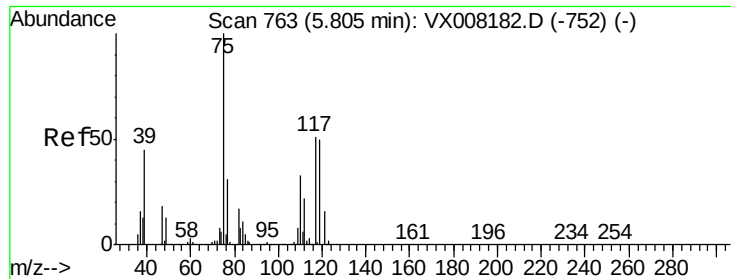


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

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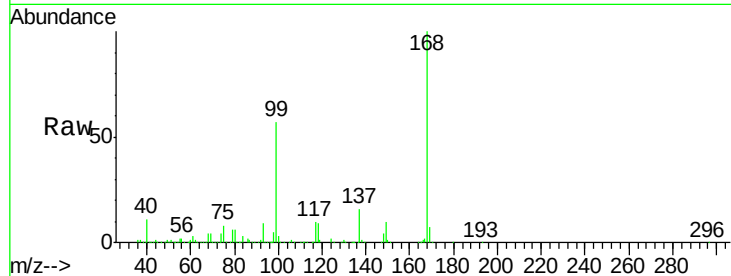
Tot Ion: 75 Resp: 27414

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.0#

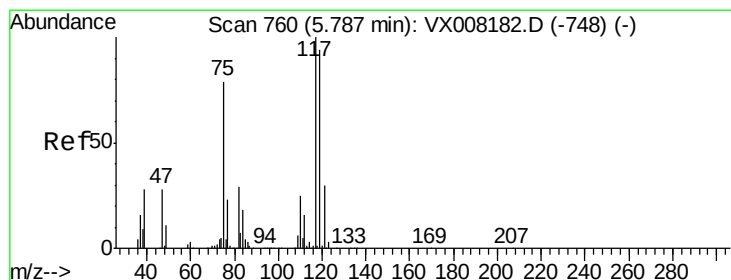
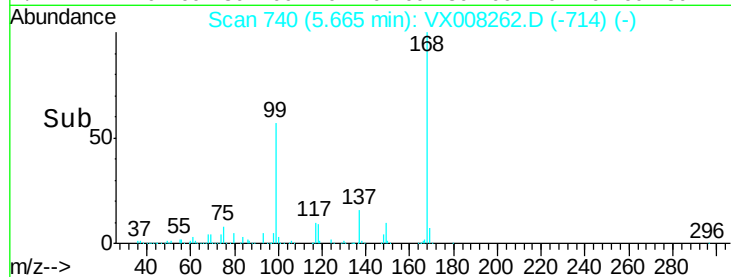
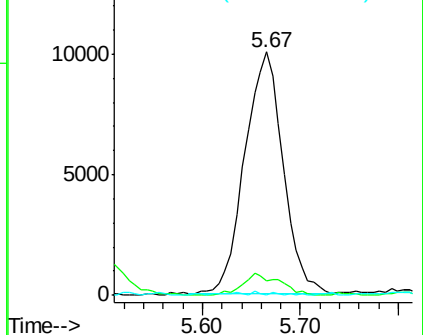
77 0.2 25.0 37.4#



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: 5.832 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

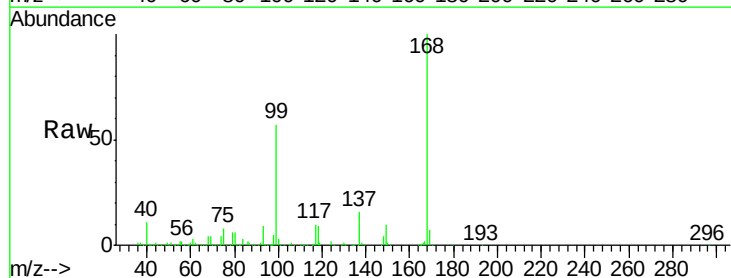
Tgt Ion:117 Resp: 33779

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

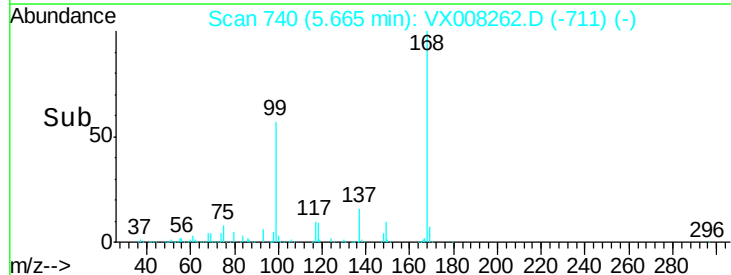
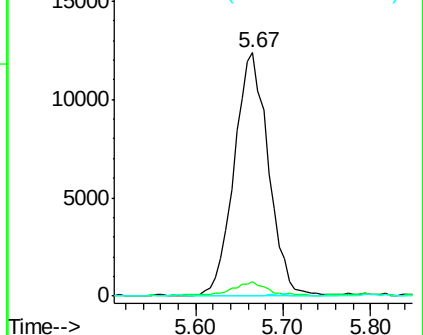
121 0.0 24.6 36.8#

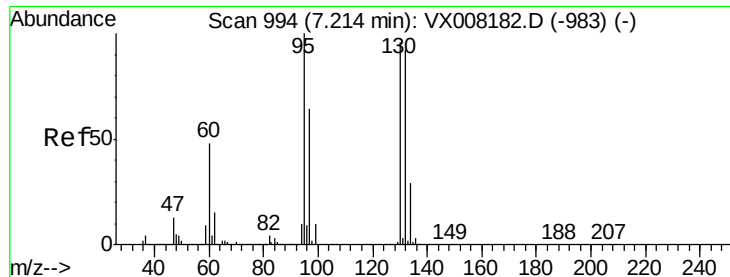


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 60.860 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

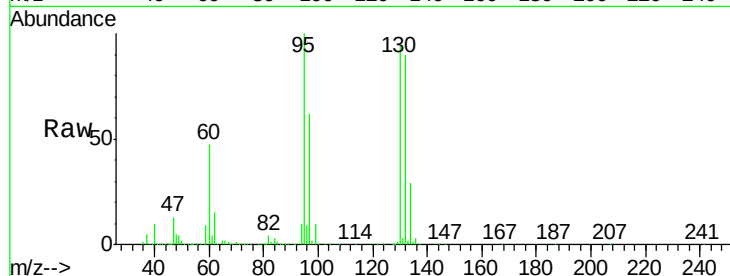
BPS1-TT-MW305I-20190313DL

Tot Ion:130 Resp: 286309

Ion Ratio Lower Upper

130 100

95 106.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

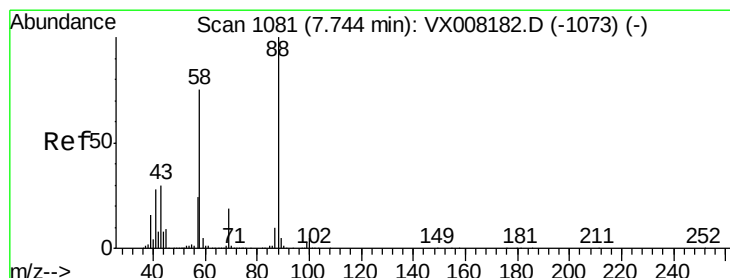
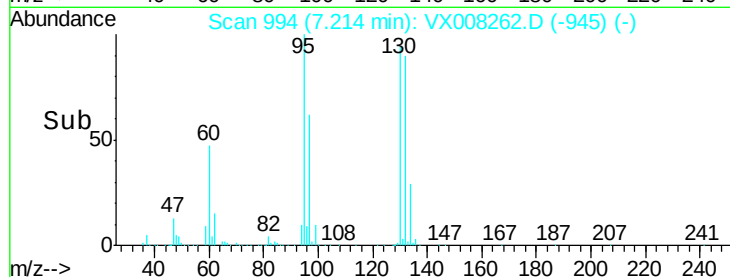
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 1.791 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

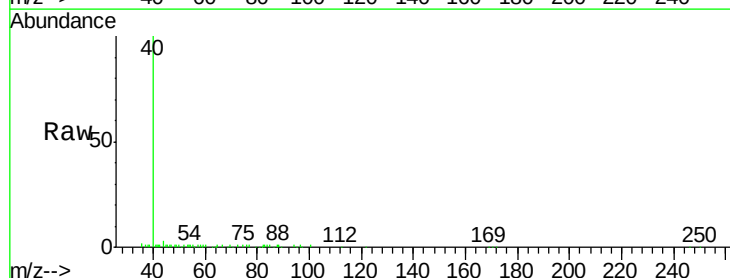
Tgt Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 124.6 25.1 37.7#

58 88.4 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

7.75

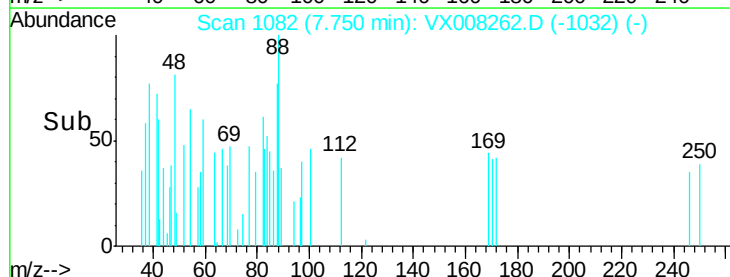
300

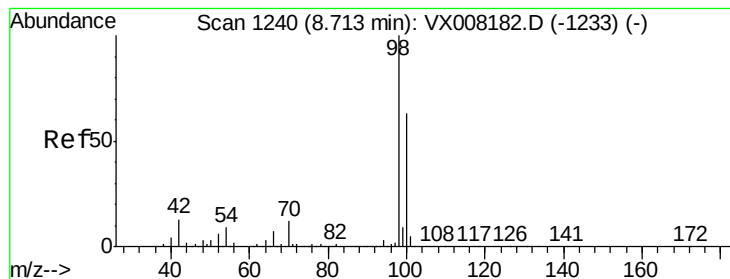
200

100

0

Time-->





#50

Toluene-d8

Concen: 48.979 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

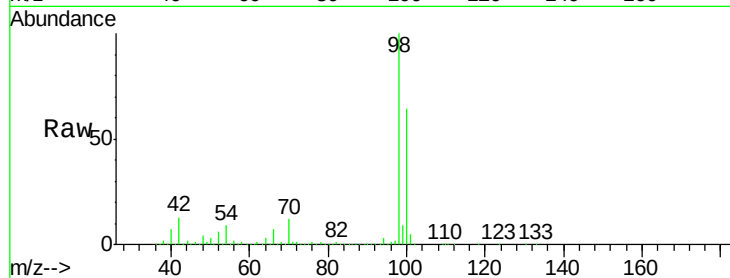
BPS1-TT-MW305I-20190313DL

Tot Ion: 98 Resp: 694072

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

500000

400000

300000

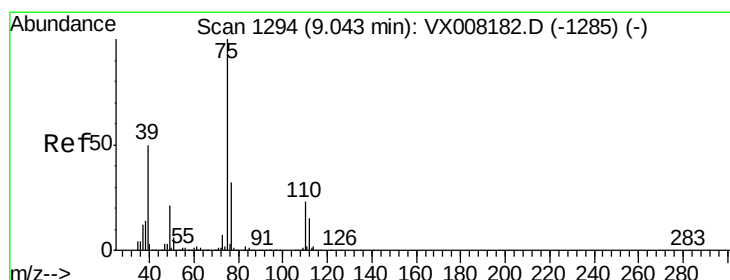
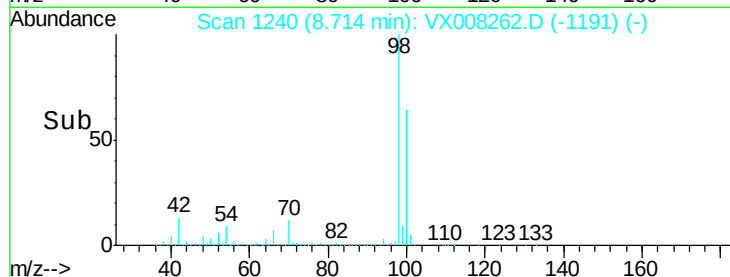
200000

100000

0

Time-->

8.60 8.70 8.80



#53

t-1,3-Dichloropropene

Concen: 1.482 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX008262.D

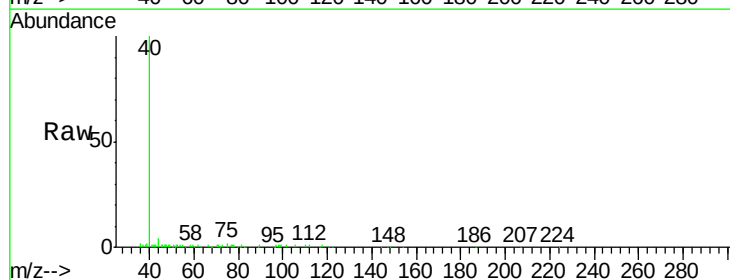
Acq: 21 Mar 2019 00:22

Tgt Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

77 98.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

300

250

200

150

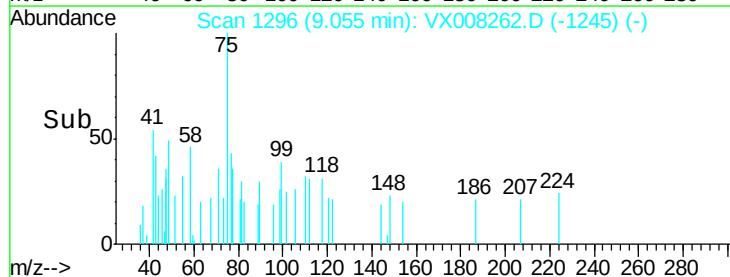
100

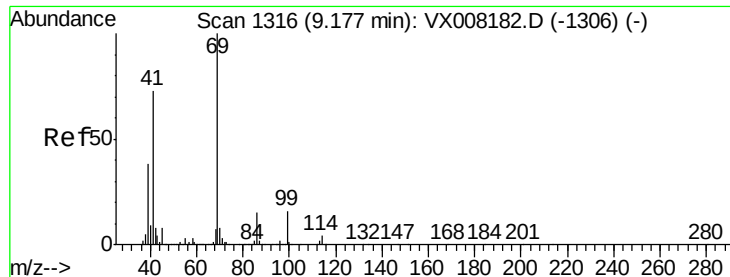
50

0

Time-->

9.05 9.10





#56

Ethyl methacrylate

Concen: 0.559 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305I-20190313DL

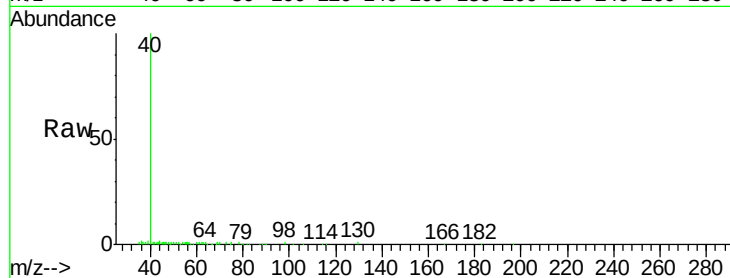
Tot Ion: 69 Resp: 274

Ion Ratio Lower Upper

69 100

41 83.6 54.2 81.4#

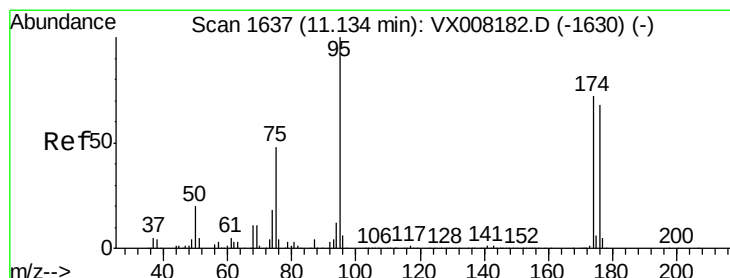
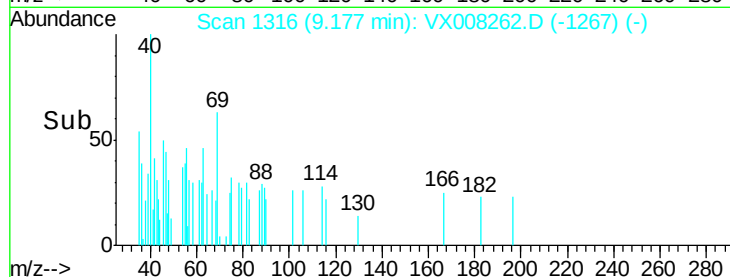
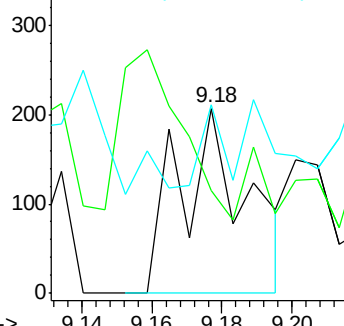
39 17.5 25.0 37.4#



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: 45.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

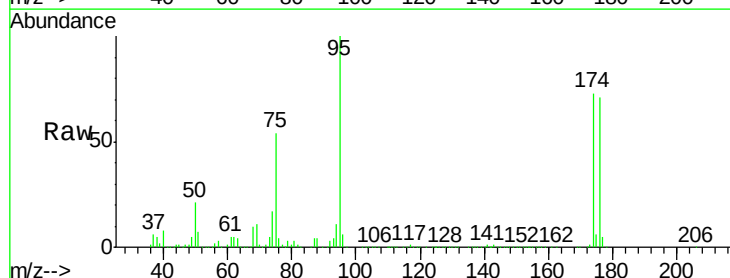
Tgt Ion: 95 Resp: 223576

Ion Ratio Lower Upper

95 100

174 78.8 0.0 182.8

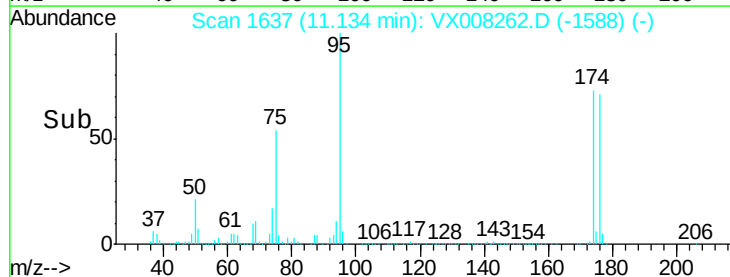
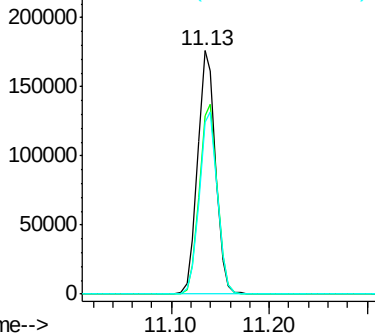
176 75.7 0.0 178.0

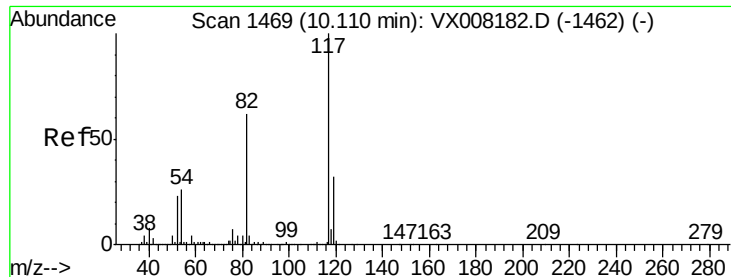


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

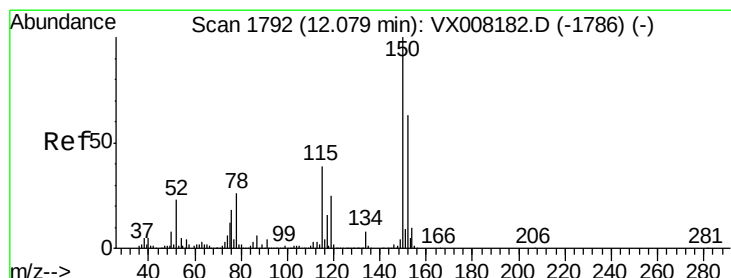
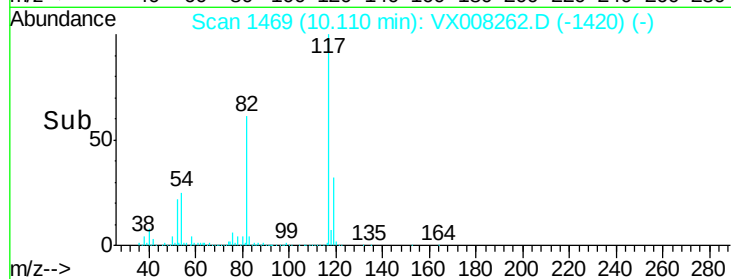
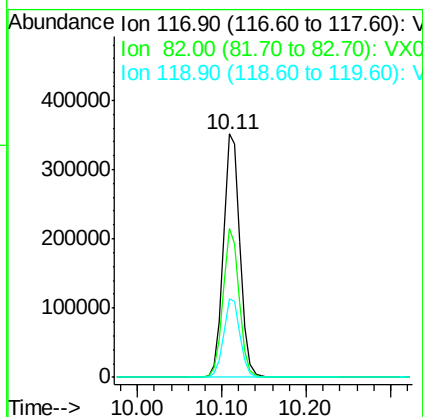
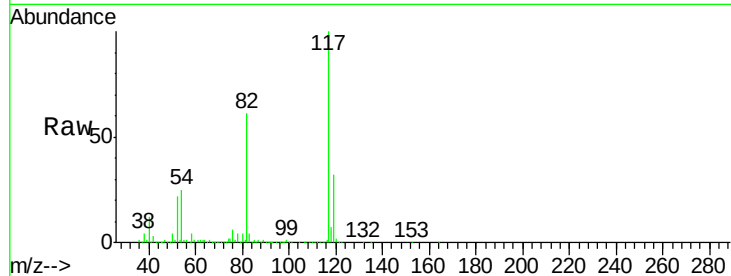




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

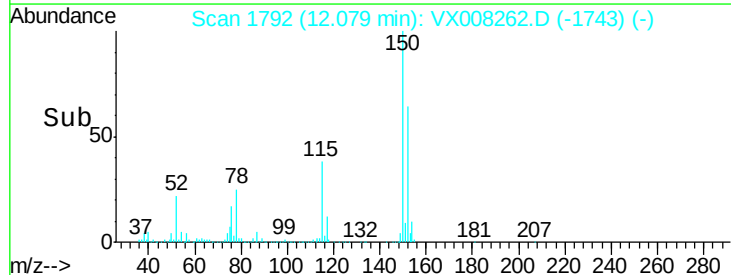
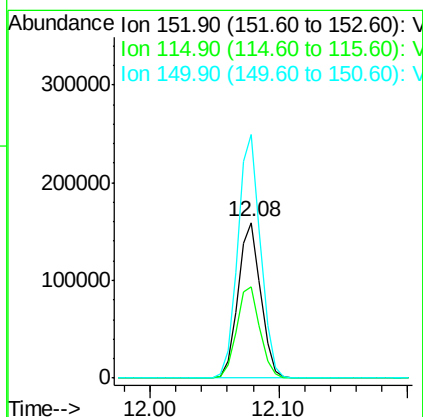
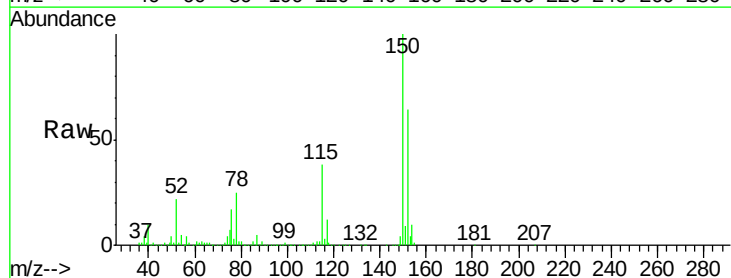
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190313DL

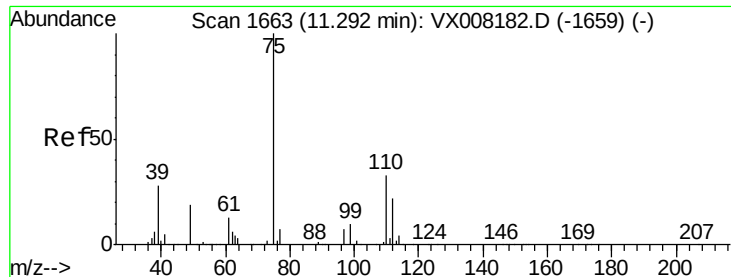
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	44.3	66.5
119	32.3	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008262.D
Acq: 21 Mar 2019 00:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	38.6	115.7
150	157.5	0.0	348.4





#76

1,2,3-Trichloropropane

Concen: 21.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

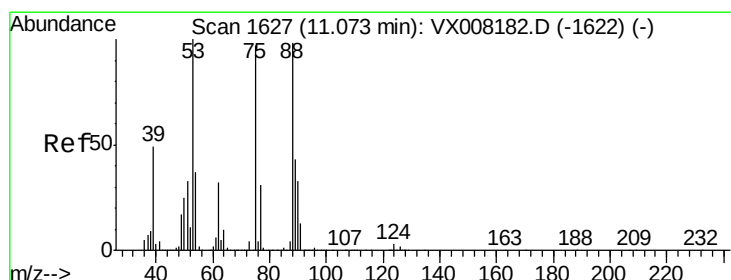
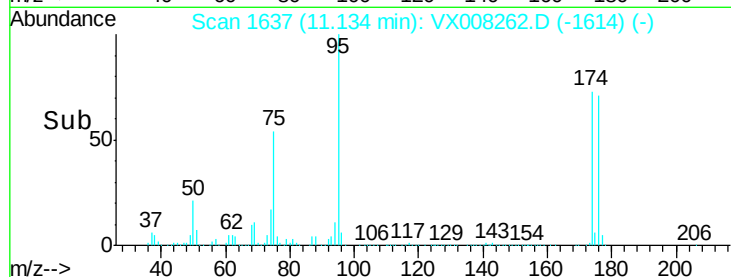
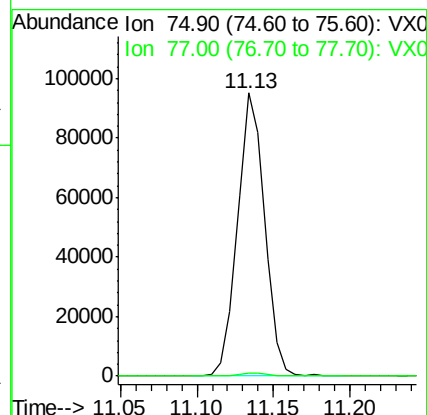
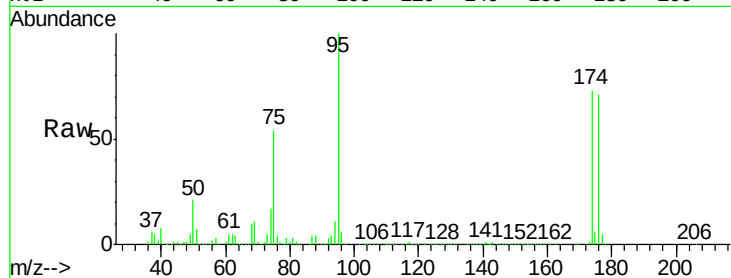
BPS1-TT-MW305I-20190313DL

Tot Ion: 75 Resp: 116783

Ion Ratio Lower Upper

75 100

77 1.6 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008262.D

Acq: 21 Mar 2019 00:22

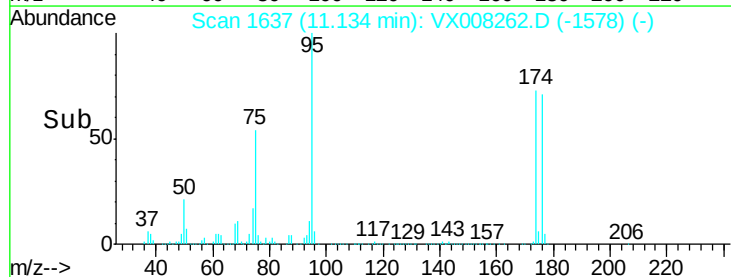
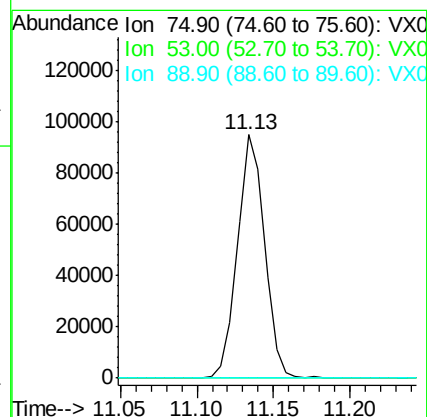
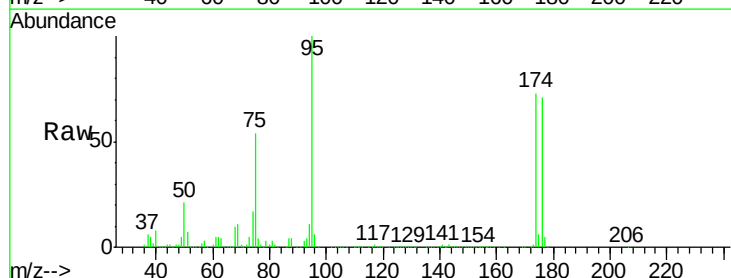
Tgt Ion: 75 Resp: 116783

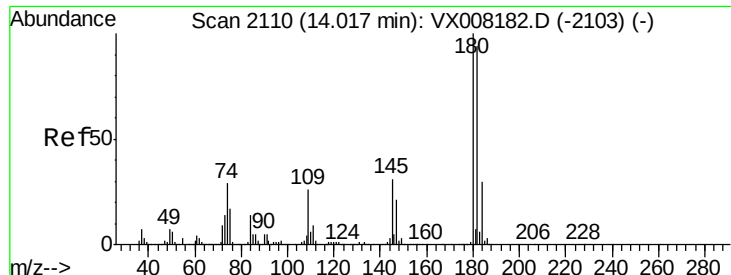
Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

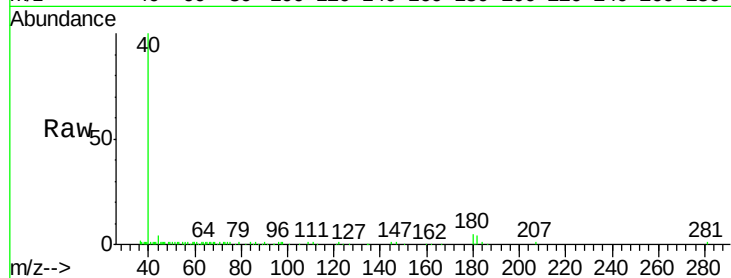




#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX008262.D
 Acq: 21 Mar 2019 00:22

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305I-20190313DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	33.1	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

