

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008222.D
 Acq On : 20 Mar 2019 05:17
 Operator : JC/SP
 Sample : K1900-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301S-20190313

Quant Time: Mar 20 08:40:02 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	329563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	534782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183004	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	230821	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
35) Dibromofluoromethane	5.50	113	168702	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	8.71	98	662737	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.13	95	212866	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

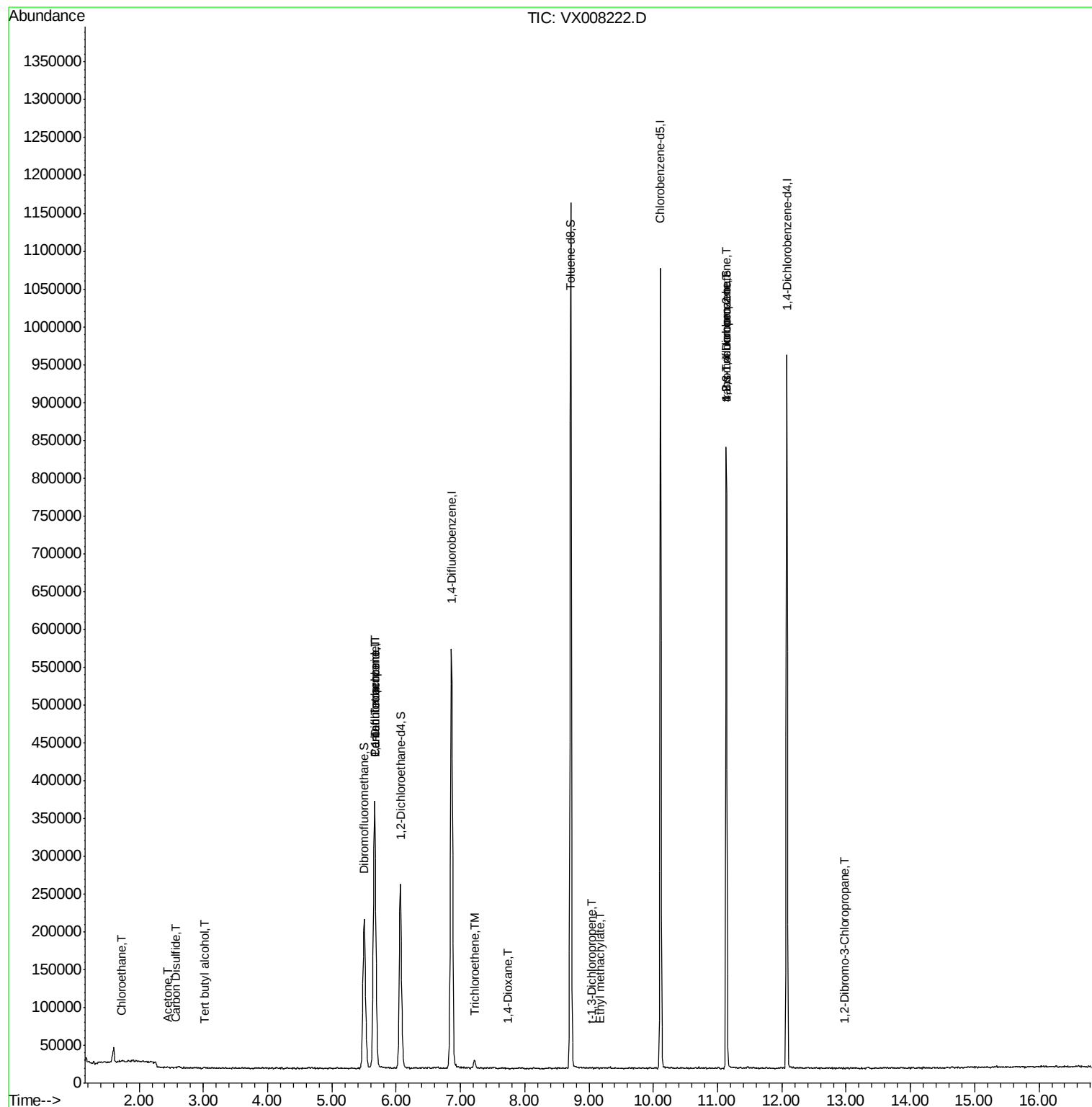
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	2197	0.701	ug/l #	43
11) Tert butyl alcohol	3.01	59	385	0.362	ug/l #	1
13) Acrolein	2.31	56	200	Below Cal	#	1
16) Acetone	2.45	43	1311	0.466	ug/l #	87
17) Carbon Disulfide	2.57	76	720	0.730	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	27188	4.367	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32858	5.923	ug/l #	17
44) Trichloroethene	7.22	130	4105	0.911	ug/l	92
49) 1,4-Dioxane	7.74	88	76	0.687	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	170	1.444	ug/l #	1
56) Ethyl methacrylate	9.17	69	96	0.538	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	110136	21.397	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110136	54.417	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	377	0.290	ug/l #	1

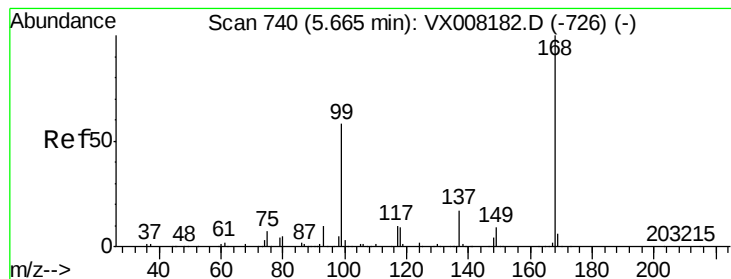
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

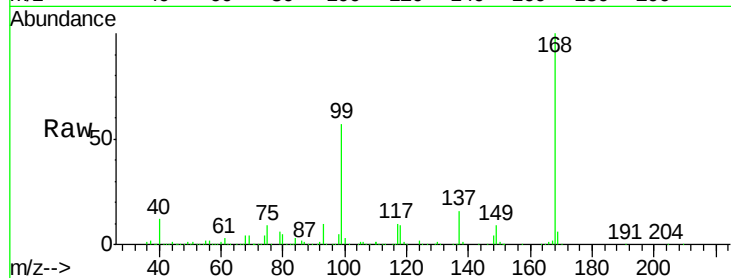
BPS1-TT-MW301S-20190313

Tot Ion:168 Resp: 329563

Ion Ratio Lower Upper

168 100

99 57.3 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

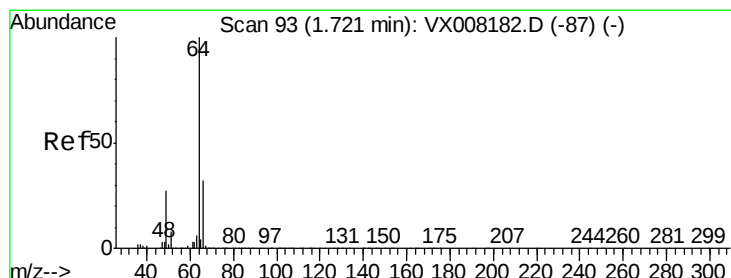
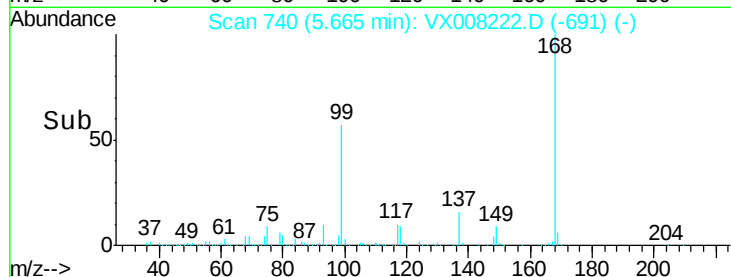
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 0.701 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008222.D

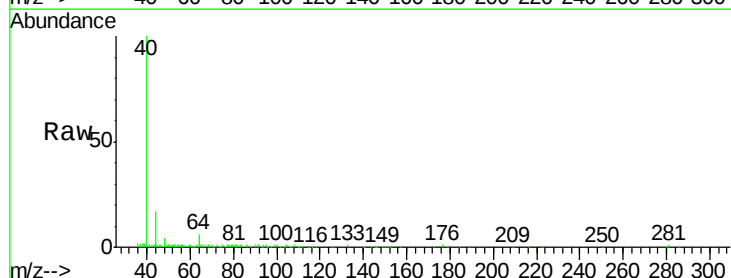
Acq: 20 Mar 2019 05:17

Tgt Ion: 64 Resp: 2197

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

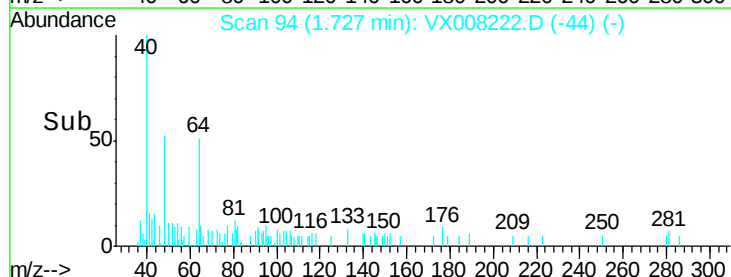
1000

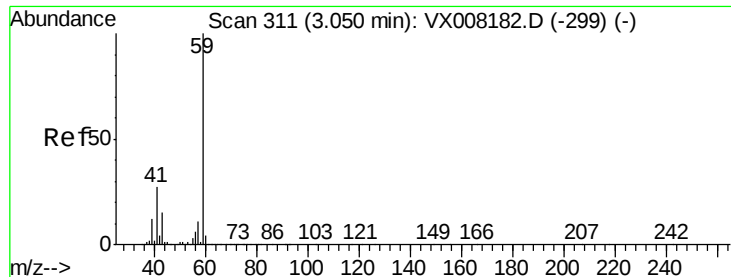
500

0

Time-->

1.60 1.65 1.70 1.75



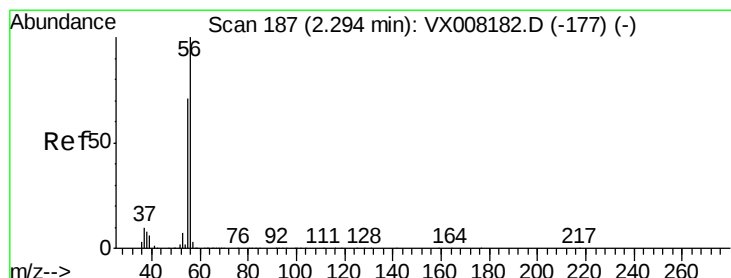
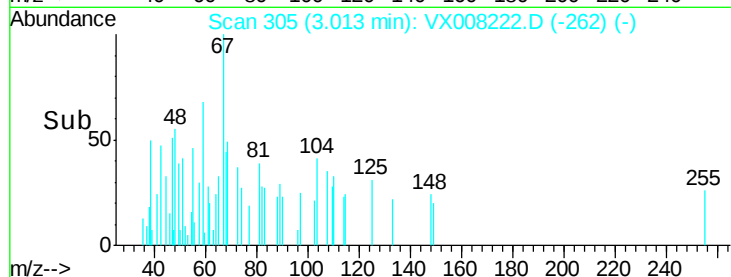
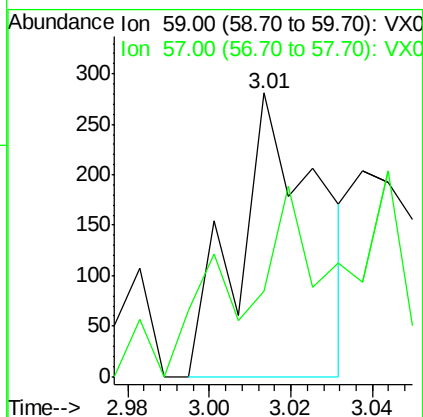
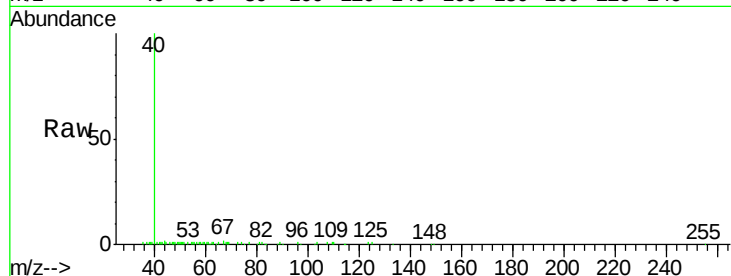


#11

Tert butvl alcohol
Concen: 0.362 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301S-20190313

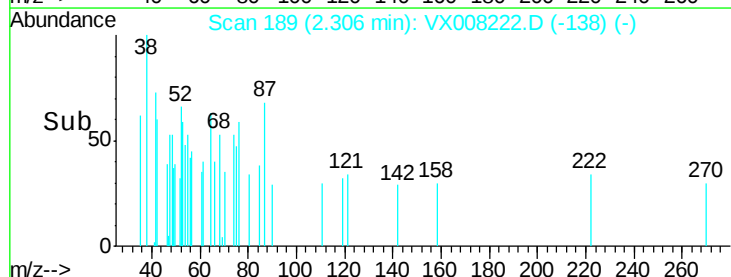
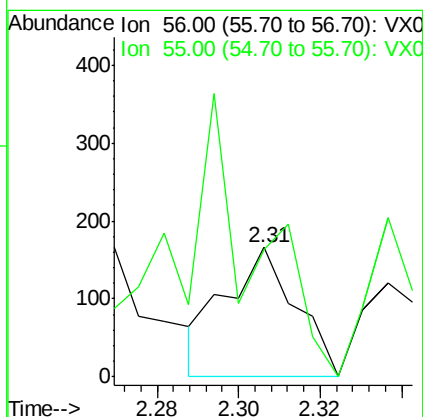
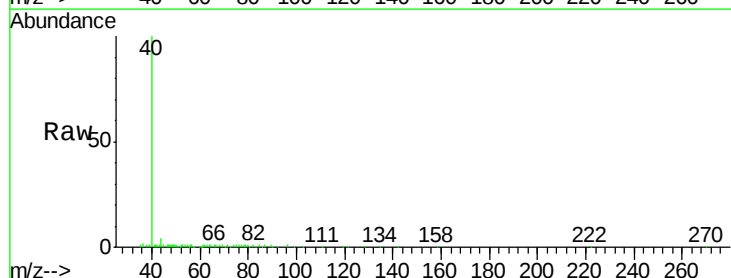
Tot Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 77.1 8.2 12.2#

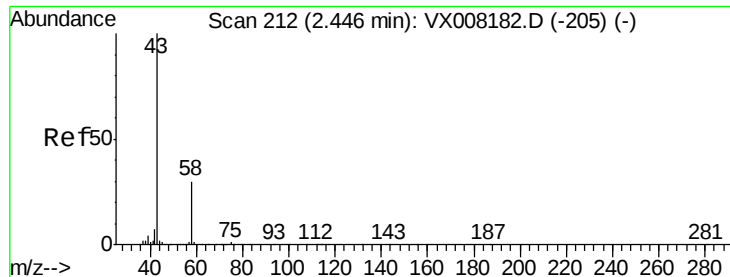


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 209.5 57.8 86.6#





#16

Acetone

Concen: 0.466 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

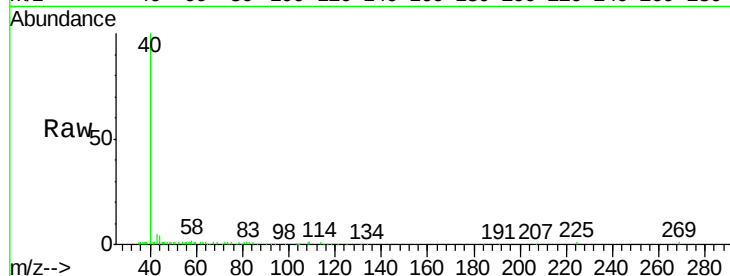
BPS1-TT-MW301S-20190313

Tot Ion: 43 Resp: 1311

Ion Ratio Lower Upper

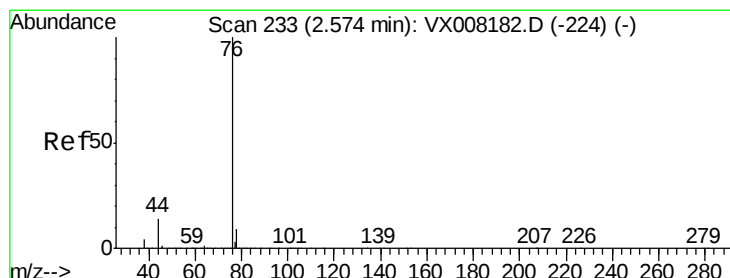
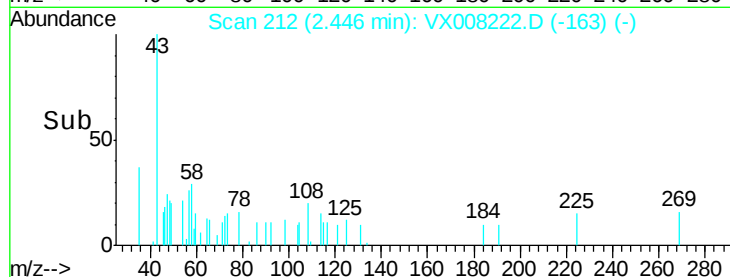
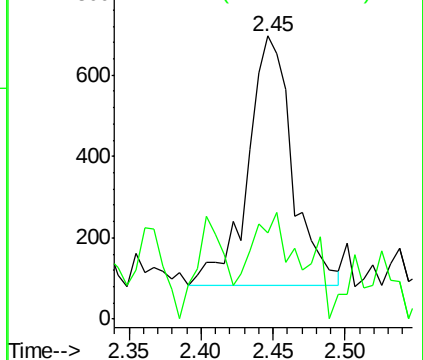
43 100

58 24.6 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: 0.730 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008222.D

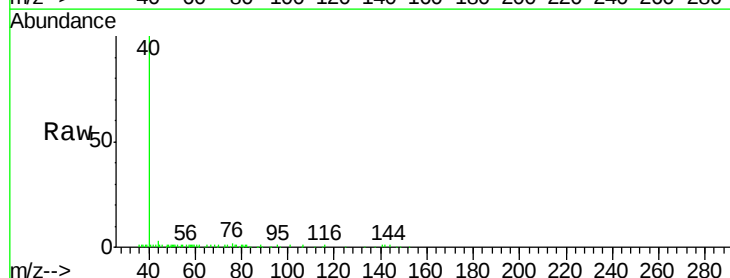
Acq: 20 Mar 2019 05:17

Tgt Ion: 76 Resp: 720

Ion Ratio Lower Upper

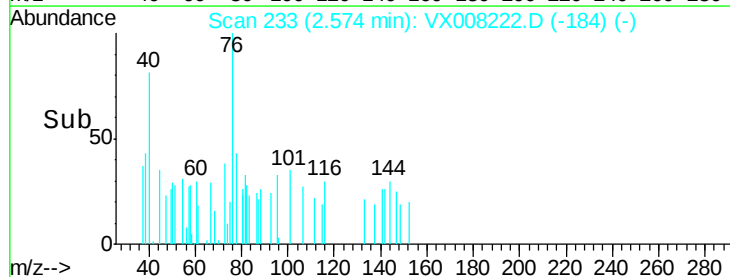
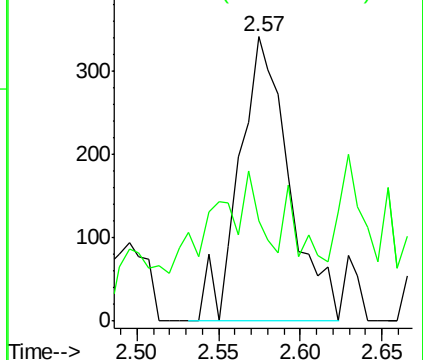
76 100

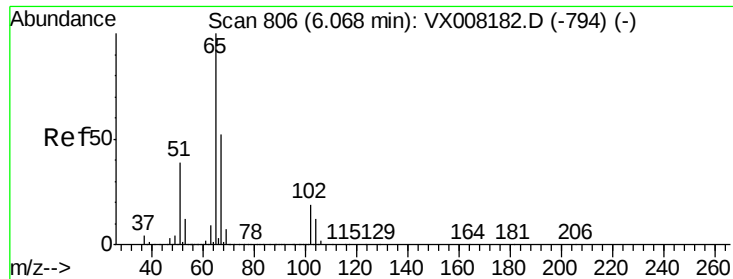
78 4.4 7.2 10.8#



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: 46.504 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

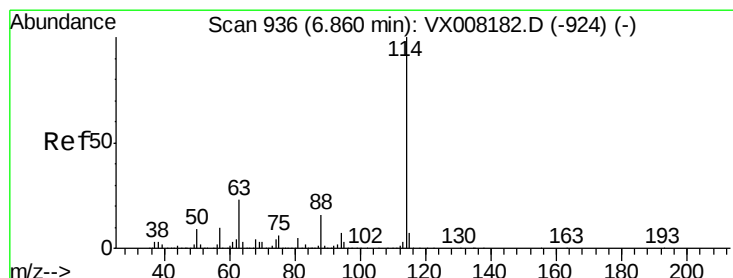
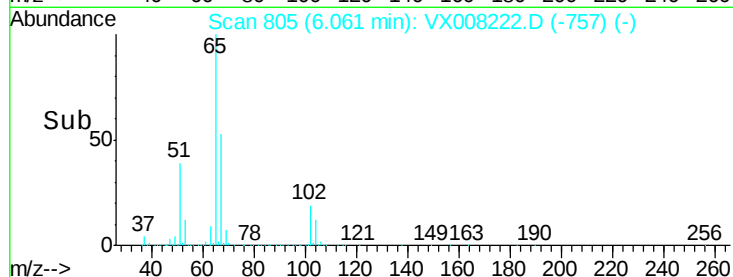
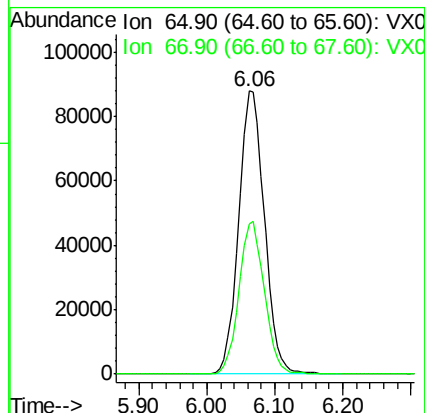
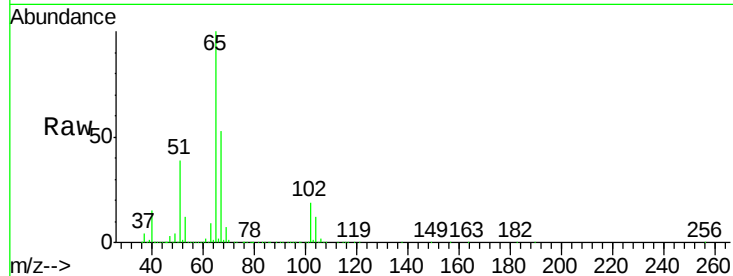
BPS1-TT-MW301S-20190313

Tot Ion: 65 Resp: 230821

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

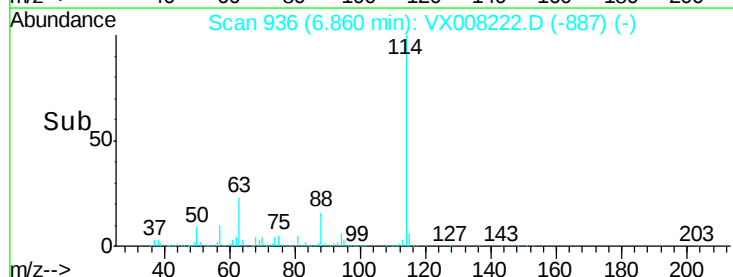
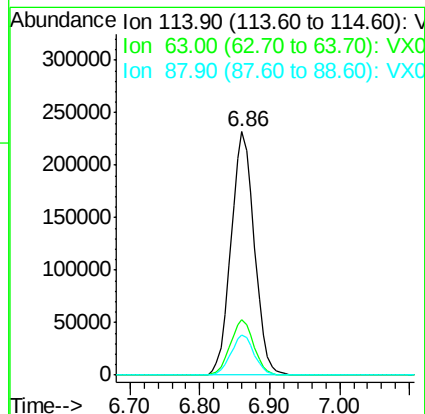
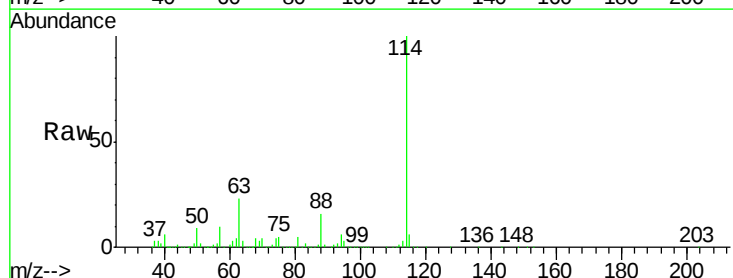
Tgt Ion: 114 Resp: 534782

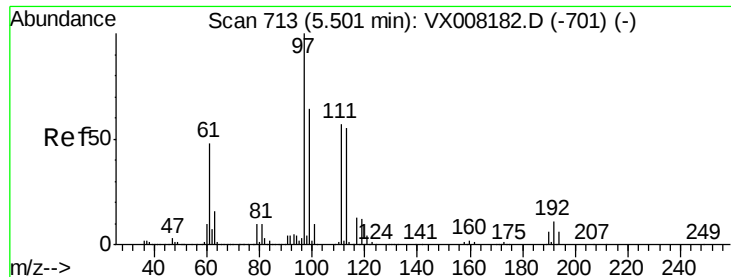
Ion Ratio Lower Upper

114 100

63 22.6 0.0 39.8

88 16.3 0.0 31.4

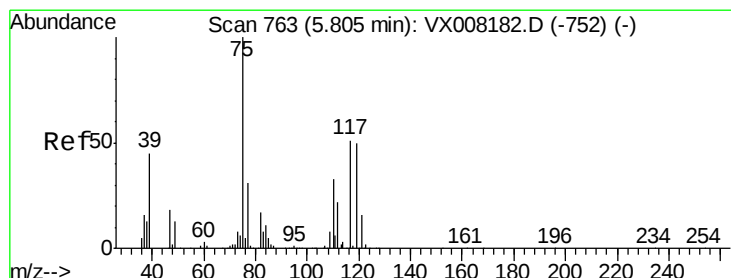
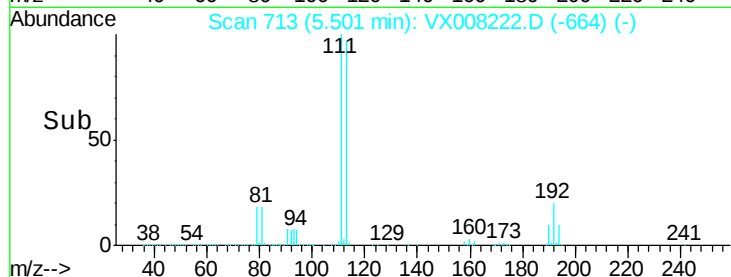
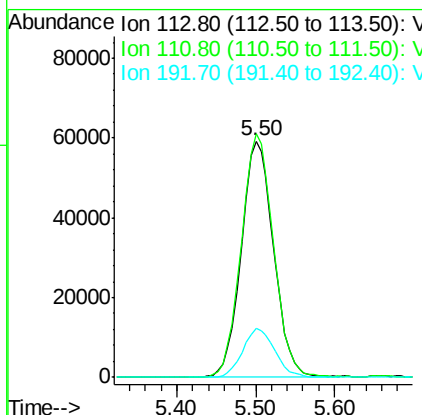
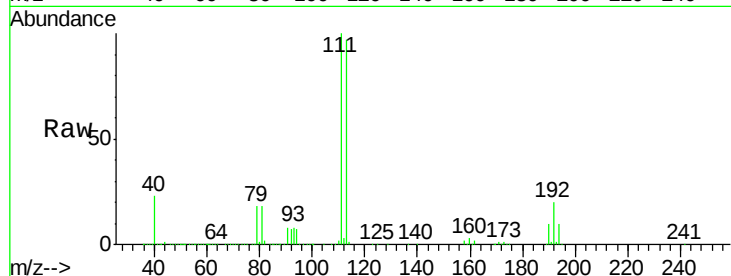




#35
 Dibromofluoromethane
 Concen: 47.123 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008222.D
 Acq: 20 Mar 2019 05:17

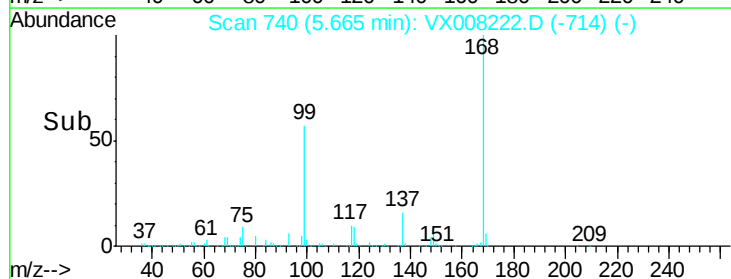
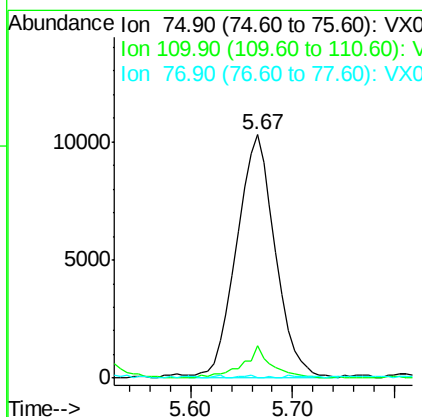
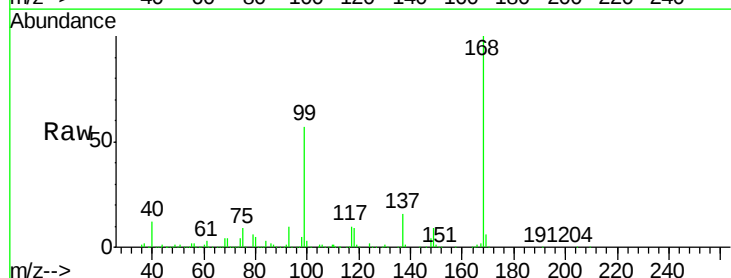
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301S-20190313

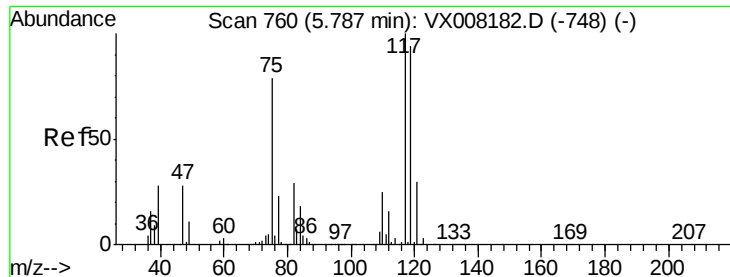
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	20.5	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008222.D
 Acq: 20 Mar 2019 05:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.4	55.0#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301S-20190313

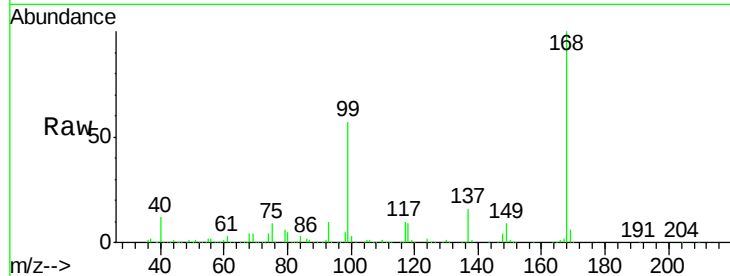
Tot Ion:117 Resp: 32858

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

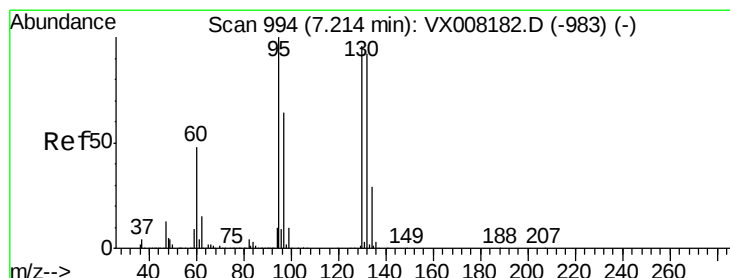
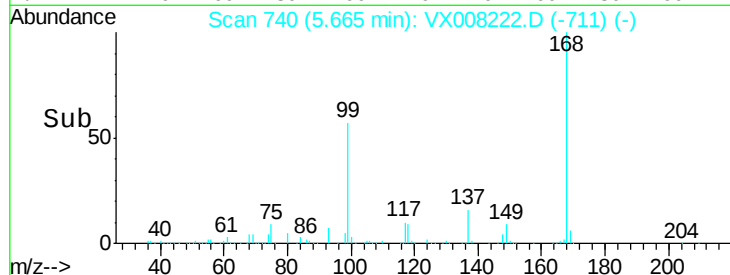
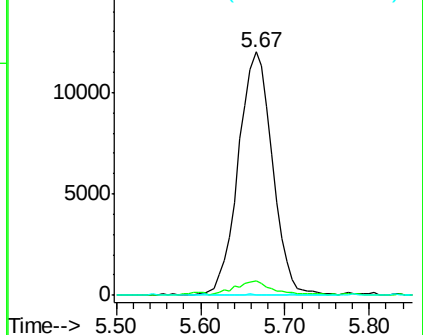
121 0.0 24.6 36.8#



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: 0.911 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008222.D

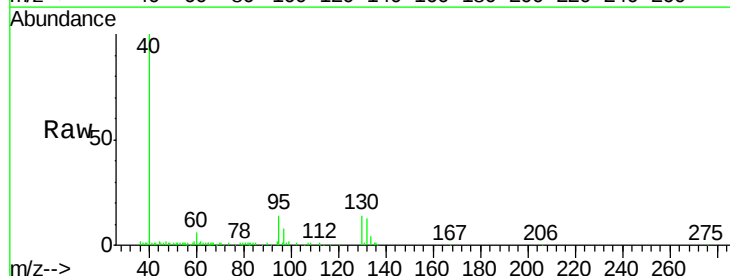
Acq: 20 Mar 2019 05:17

Tgt Ion:130 Resp: 4105

Ion Ratio Lower Upper

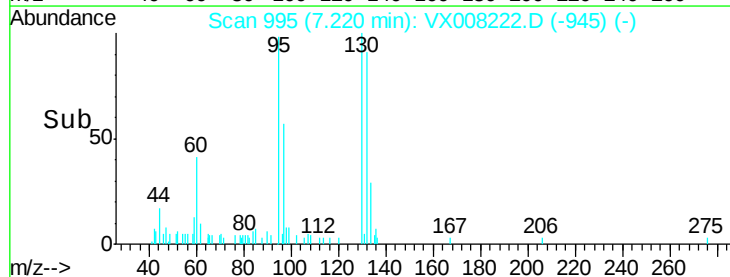
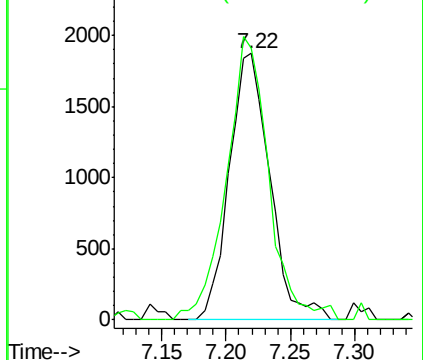
130 100

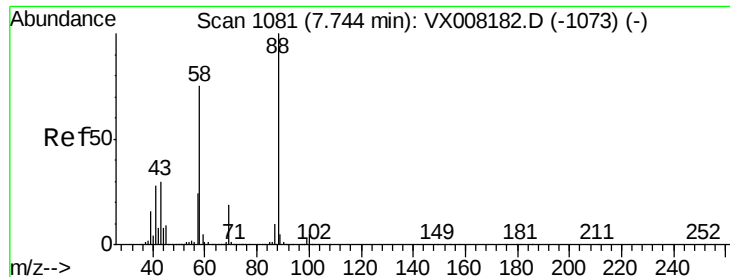
95 102.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.687 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

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ClientSampleId :

BPS1-TT-MW301S-20190313

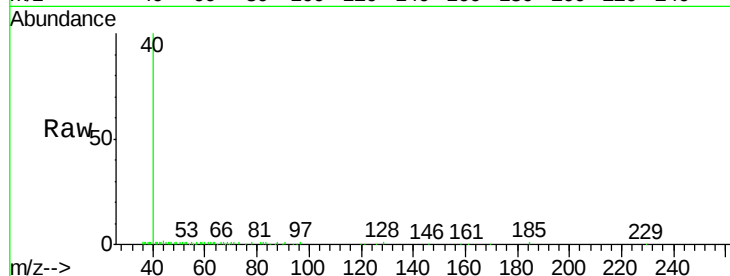
Tot Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 180.3 25.1 37.7#

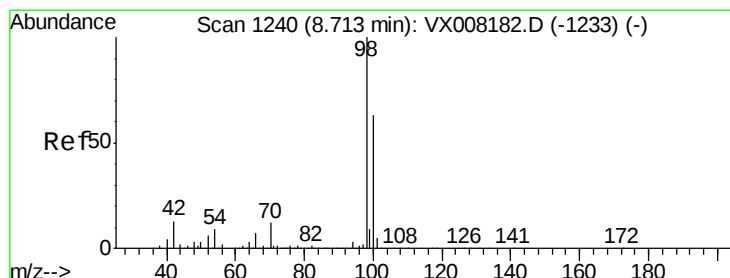
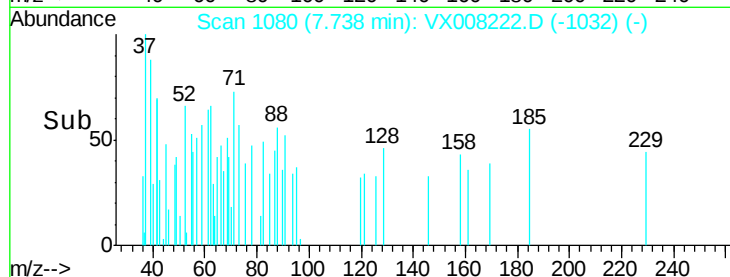
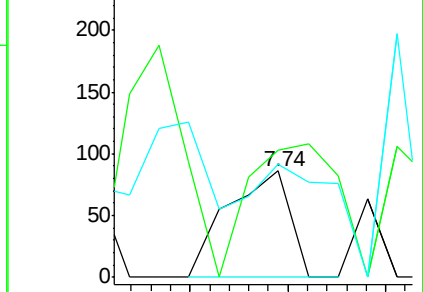
58 118.4 57.8 86.6#



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



#50

Toluene-d8

Concen: 48.827 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008222.D

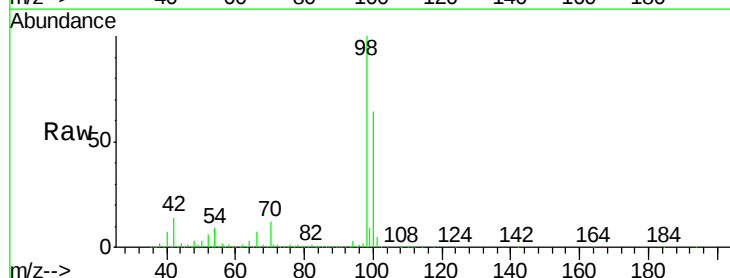
Acq: 20 Mar 2019 05:17

Tgt Ion: 98 Resp: 662737

Ion Ratio Lower Upper

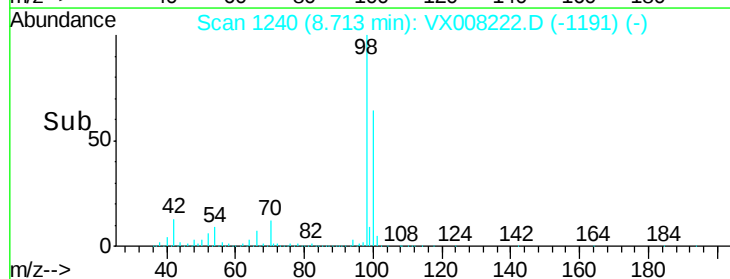
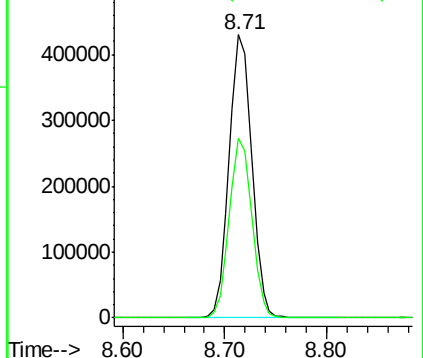
98 100

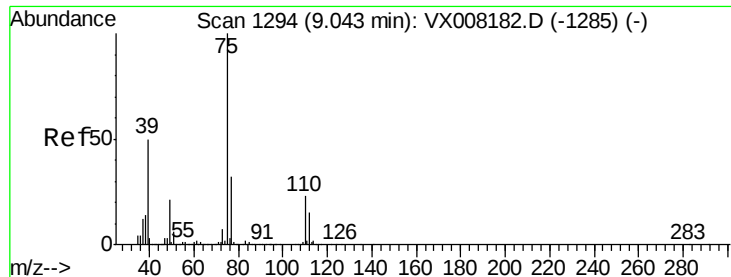
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#53

t-1,3-Dichloropropene

Concen: 1.444 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

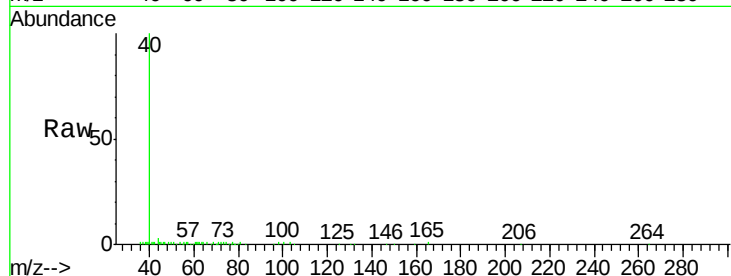
BPS1-TT-MW301S-20190313

Tot Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 149.2 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

200

150

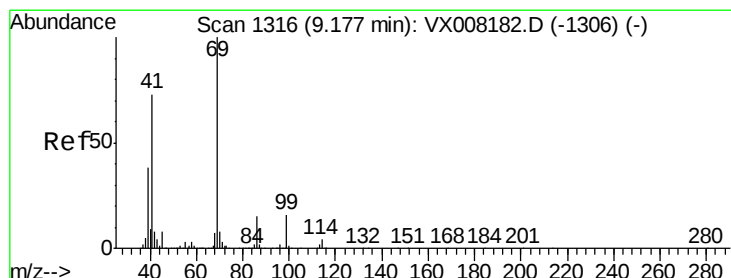
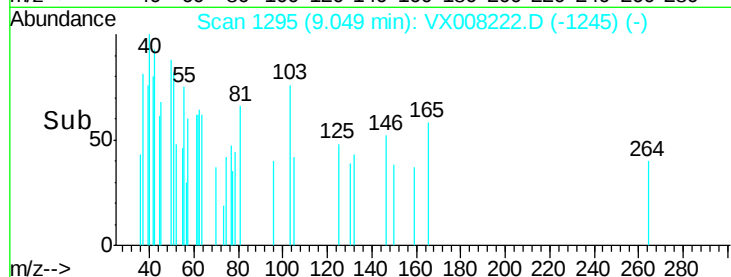
100

50

0

9.00 9.02 9.04 9.06

Time-->



#56

Ethyl methacrylate

Concen: 0.538 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

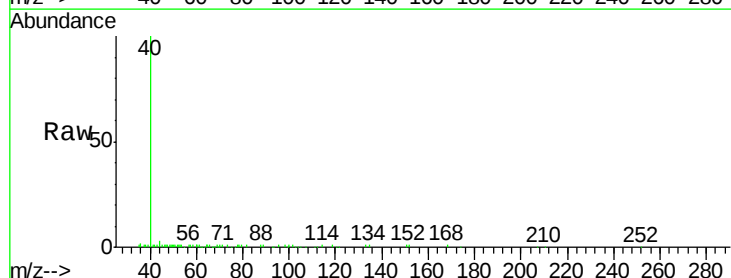
Tgt Ion: 69 Resp: 96

Ion Ratio Lower Upper

69 100

41 47.9 54.2 81.4#

39 144.8 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

400

300

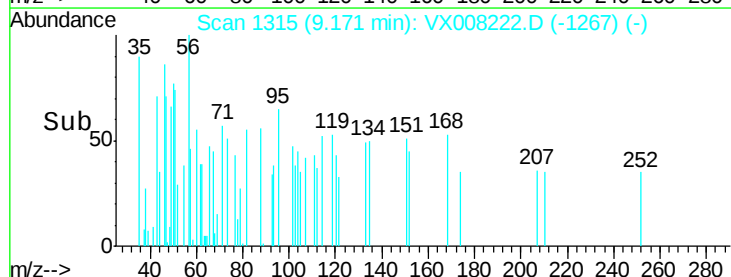
200

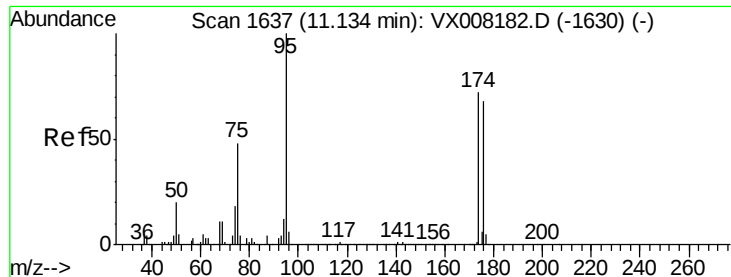
100

0

9.16 9.18 9.20

Time-->





#62

4-Bromofluorobenzene

Concen: 45.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008222.D

Acq: 20 Mar 2019 05:17

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301S-20190313

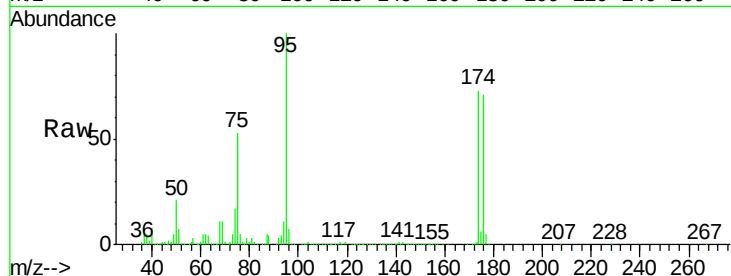
Tot Ion: 95 Resp: 212866

Ion Ratio Lower Upper

95 100

174 78.2 0.0 182.8

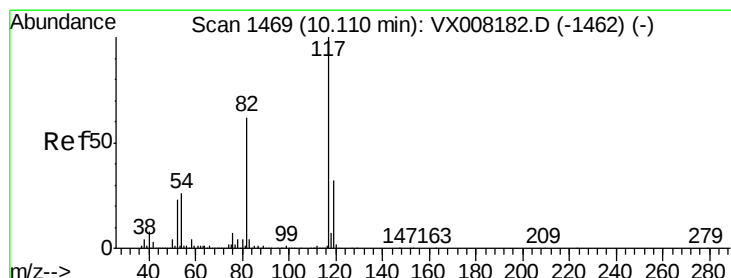
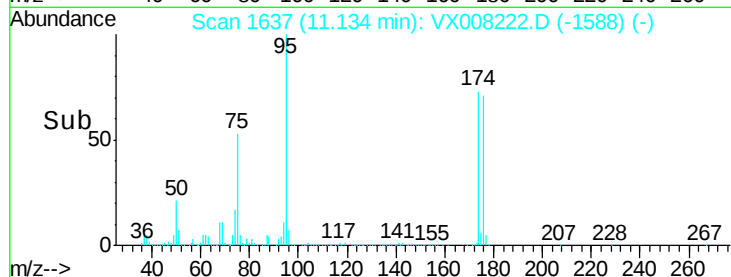
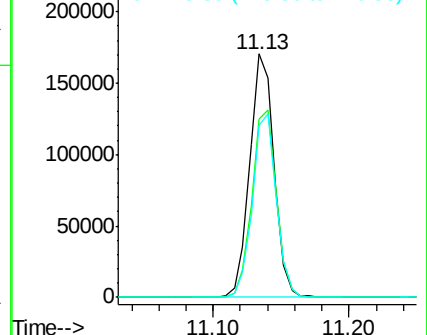
176 75.1 0.0 178.0



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: VX008222.D

Acq: 20 Mar 2019 05:17

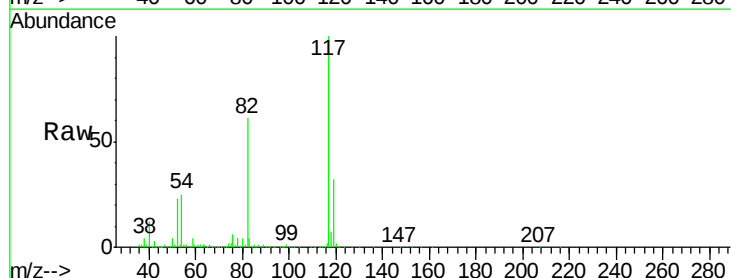
Tgt Ion: 117 Resp: 457325

Ion Ratio Lower Upper

117 100

82 60.8 44.3 66.5

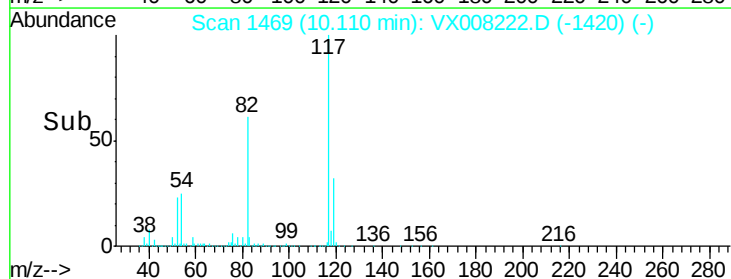
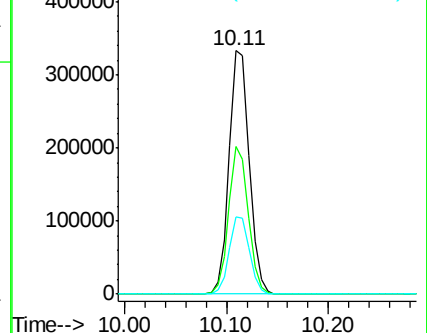
119 31.6 25.3 37.9

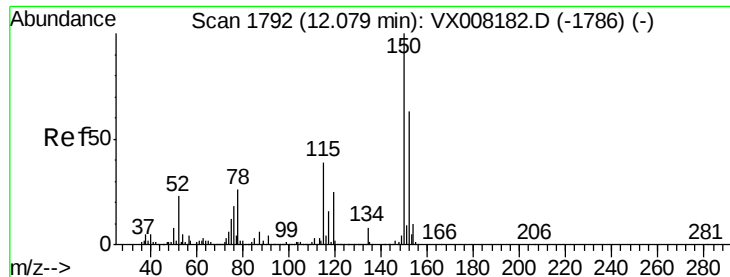


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



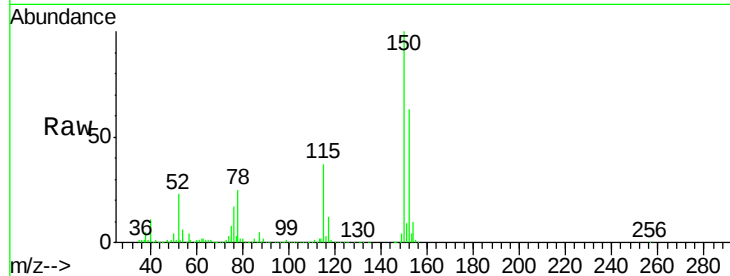


#72

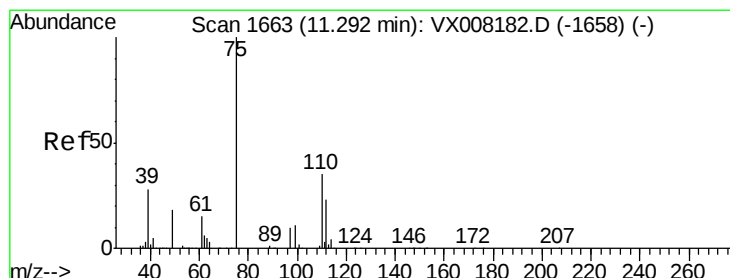
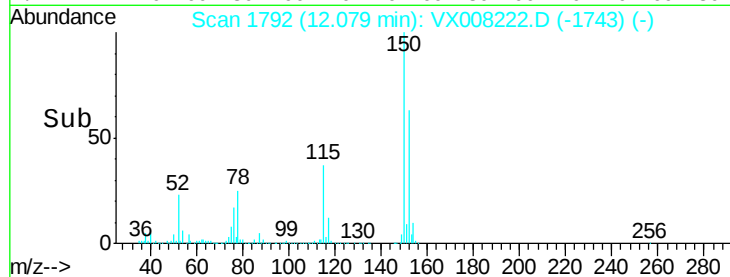
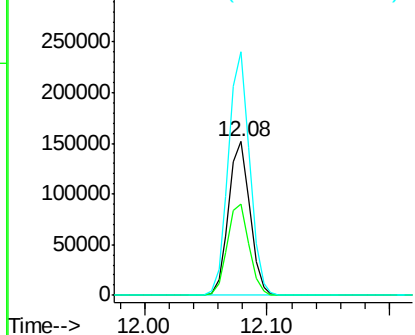
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301S-20190313

Tot Ion:152 Resp: 183004
Ion Ratio Lower Upper
152 100
115 60.7 38.6 115.7
150 157.4 0.0 348.4



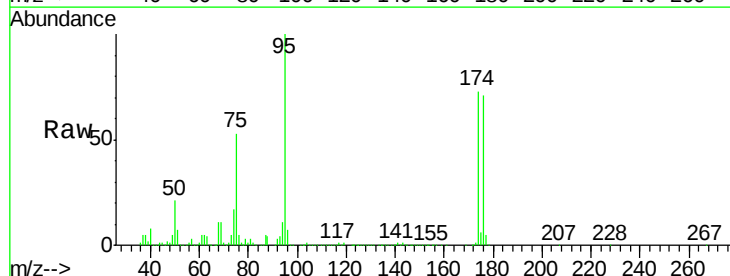
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



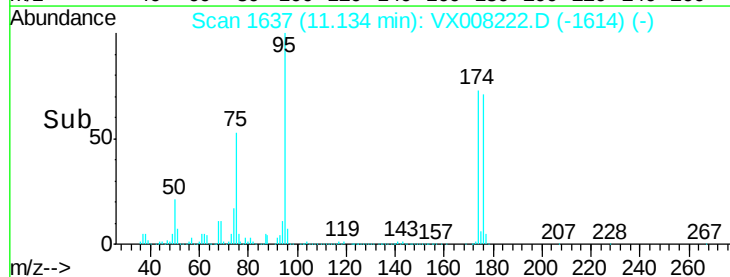
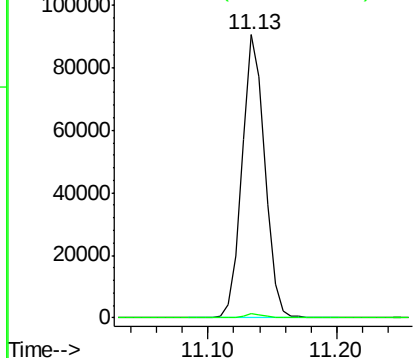
#76

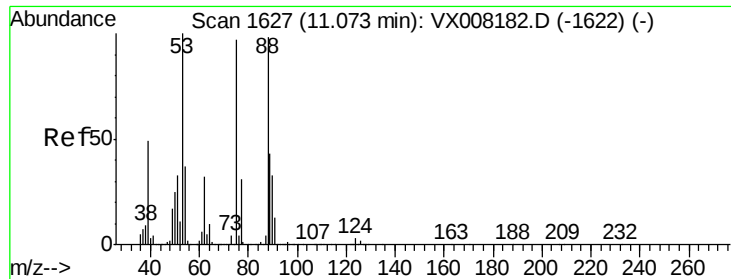
1,2,3-Trichloropropane
Concen: 21.397 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Tgt Ion: 75 Resp: 110136
Ion Ratio Lower Upper
75 100
77 1.7 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

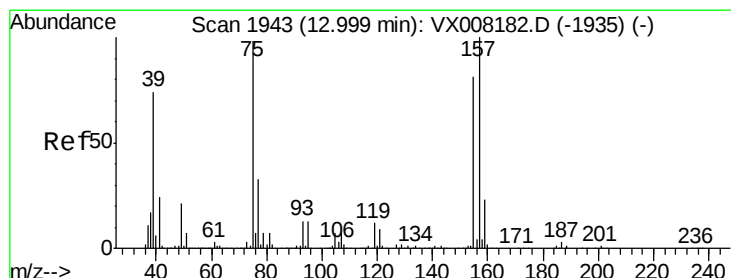
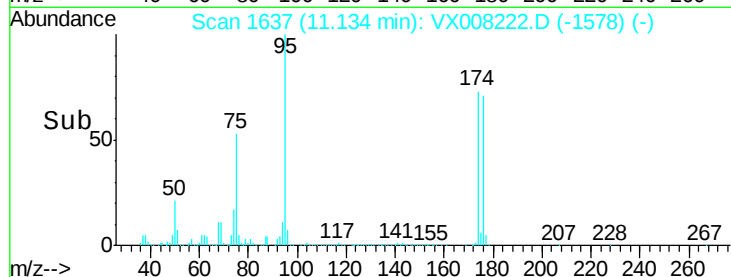
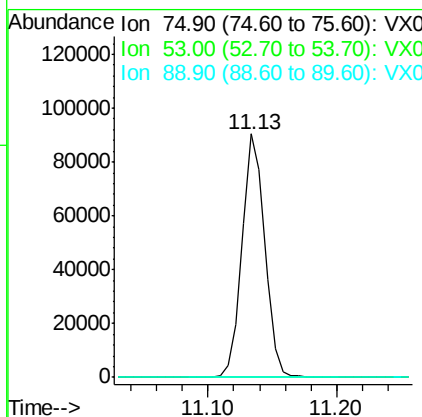
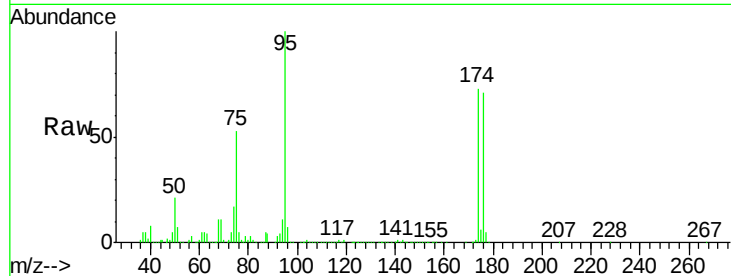




#81
trans-1,4-Dichloro-2-butene
Concen: 54.417 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301S-20190313

Tot Ion: 75 Resp: 110136
Ion Ratio Lower Upper
75 100
53 0.4 76.1 114.1#
89 0.1 36.3 54.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.290 ug/l
RT: 12.97 min Scan# 1938
Delta R.T. -0.03 min
Lab File: VX008222.D
Acq: 20 Mar 2019 05:17

Tgt Ion: 75 Resp: 377
Ion Ratio Lower Upper
75 100
155 0.0 49.7 149.1#
157 0.0 63.8 191.4#

