

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008294.D
 Acq On : 21 Mar 2019 16:37
 Operator : JC/SP
 Sample : K1963-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20190315

Quant Time: Mar 22 08:44:36 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	265416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153708	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	187408	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	5.50	113	139492	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	537621	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.13	95	173799	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

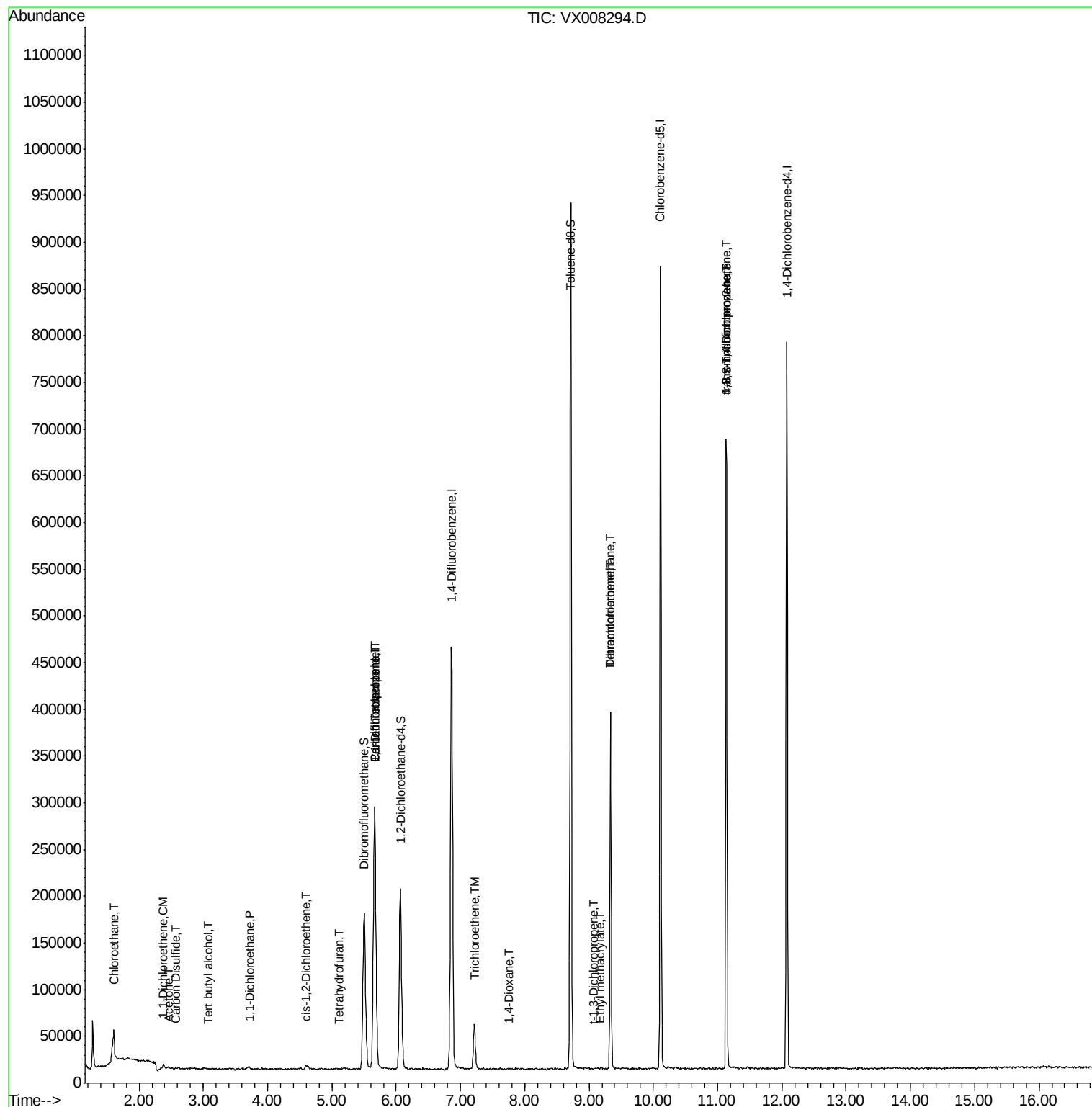
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	27434	10.868	ug/l #	51
11) Tert butyl alcohol	3.07	59	231	0.270	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	2171	0.674	ug/l	88
13) Acrolein	2.29	56	258	Below Cal	#	13
16) Acetone	2.45	43	1023	0.451	ug/l #	81
17) Carbon Disulfide	2.58	76	1211	0.789	ug/l #	75
24) 1,1-Dichloroethane	3.71	63	3463	0.490	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	2692	0.679	ug/l	92
29) Tetrahydrofuran	5.12	42	525	0.251	ug/l #	72
36) 1,1-Dichloropropene	5.67	75	21355	4.153	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24832	5.420	ug/l #	18
44) Trichloroethene	7.21	130	19430	5.221	ug/l	96
49) 1,4-Dioxane	7.75	88	632	6.913	ug/l #	88
53) t-1,3-Dichloropropene	9.07	75	210	1.455	ug/l #	43
56) Ethyl methacrylate	9.18	69	162	0.551	ug/l #	1
60) Dibromochloromethane	9.34	129	65591	18.708	ug/l #	11
64) Tetrachloroethene	9.34	164	69013	20.432	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	91136	21.081	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	91136	53.633	ug/l #	11

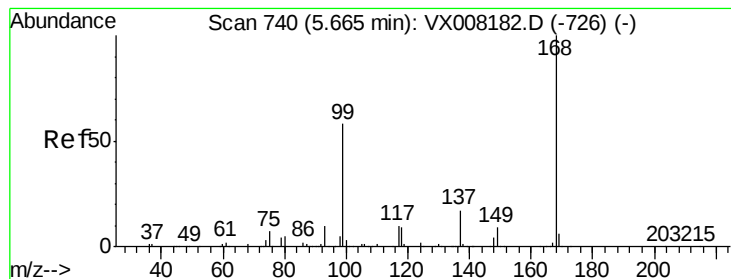
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

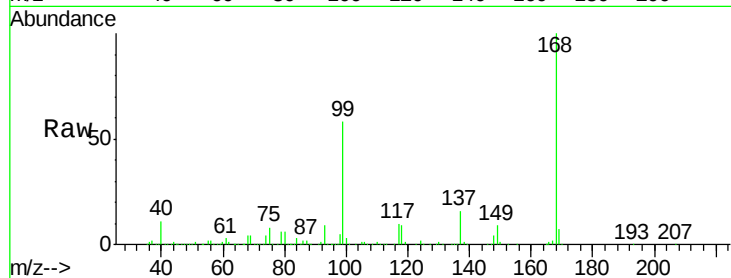
BPS1-TT-MW30311-20190315

Tot Ion:168 Resp: 265416

Ion Ratio Lower Upper

168 100

99 57.7 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

80000

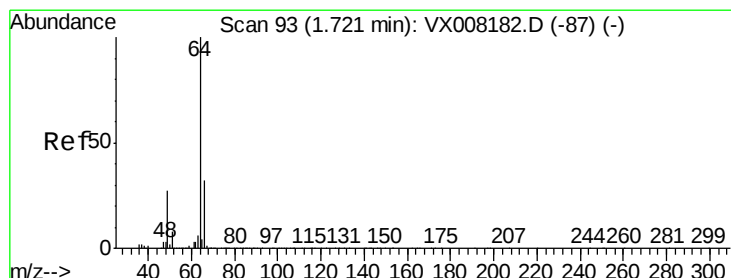
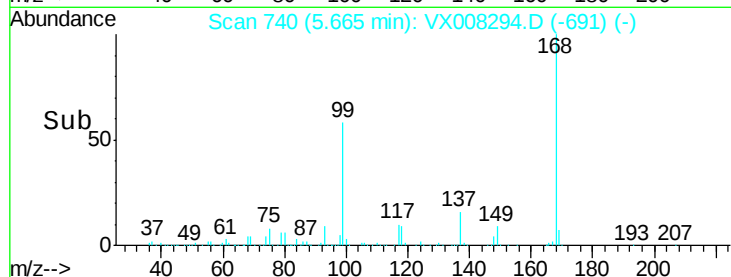
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 10.868 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008294.D

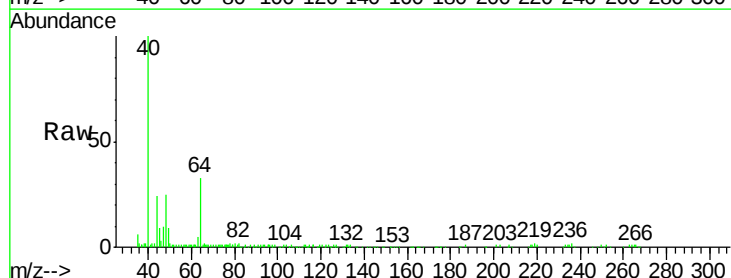
Acq: 21 Mar 2019 16:37

Tgt Ion: 64 Resp: 27434

Ion Ratio Lower Upper

64 100

66 4.3 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

6000

5000

4000

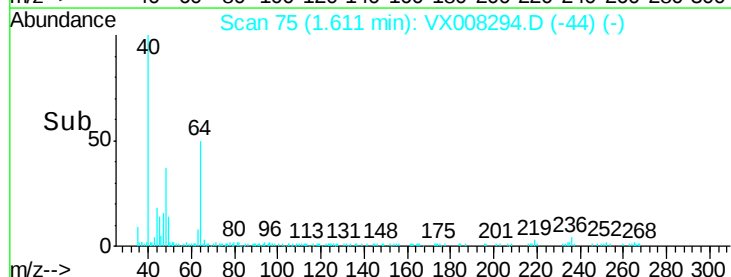
3000

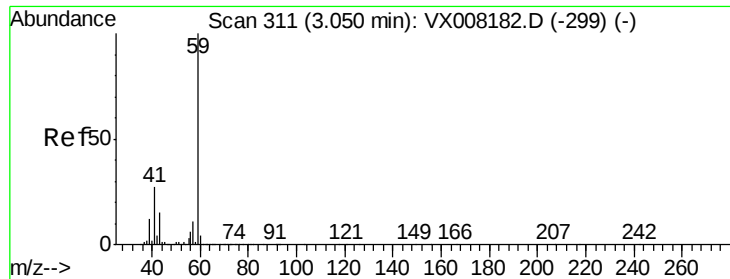
2000

1000

0

Time--> 1.40 1.50 1.60 1.70

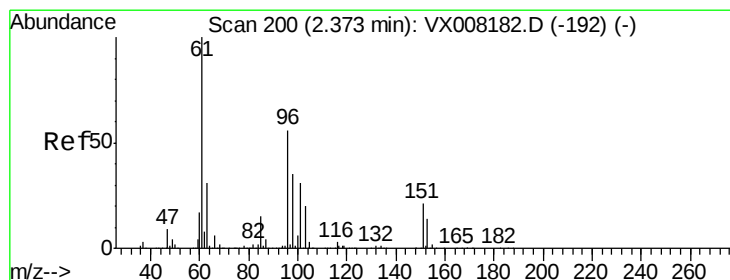
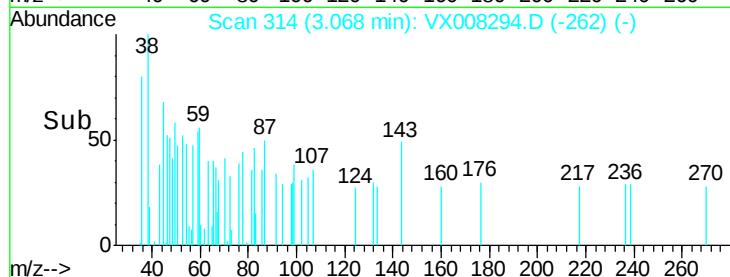
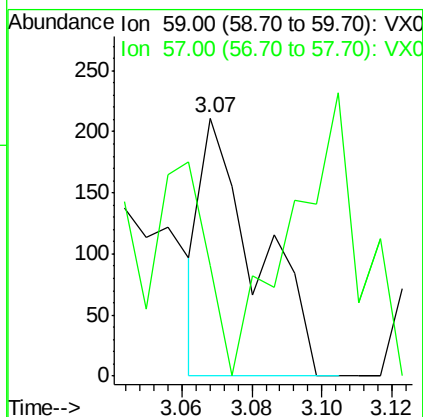
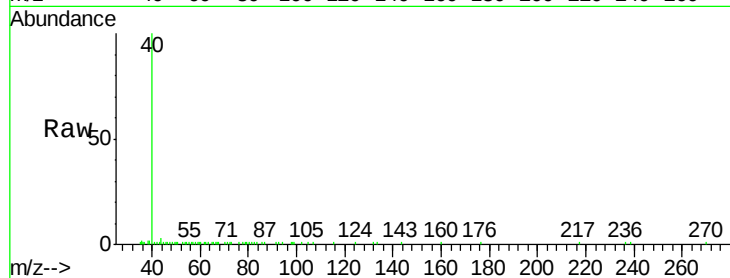




#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.02 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

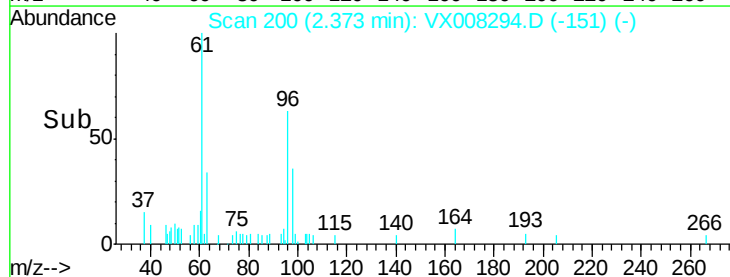
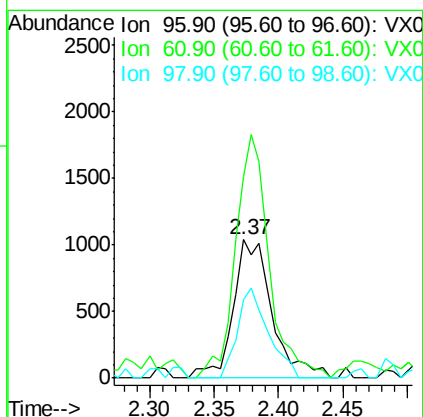
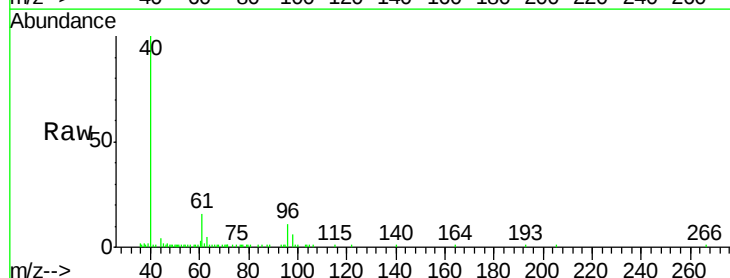
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190315

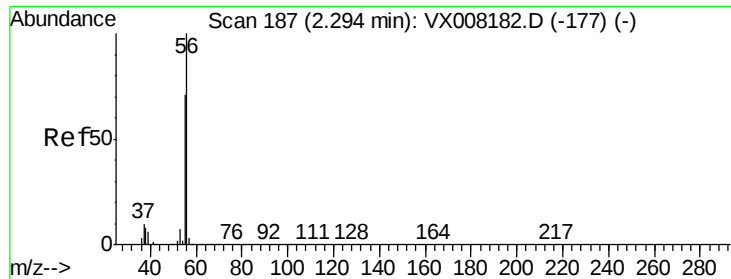
Tot Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 68.4 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.674 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

Tgt Ion: 96 Resp: 2171
Ion Ratio Lower Upper
96 100
61 145.1 129.8 194.6
98 56.6 51.0 76.6





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

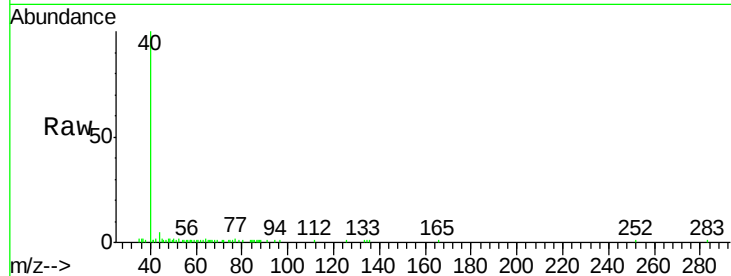
BPS1-TT-MW30311-20190315

Tot Ion: 56 Resp: 258

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

2.29

200

150

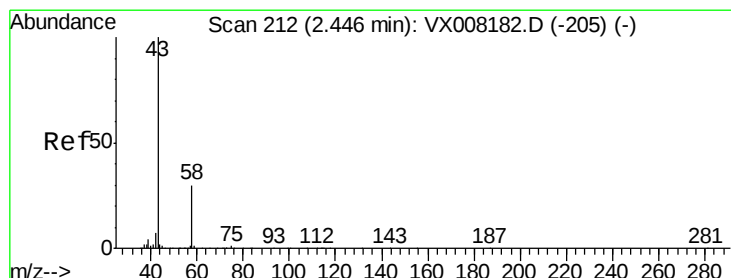
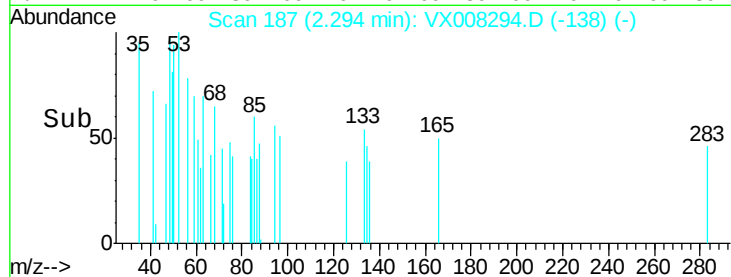
100

50

0

2.28 2.30 2.32

Time-->



#16

Acetone

Concen: 0.451 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008294.D

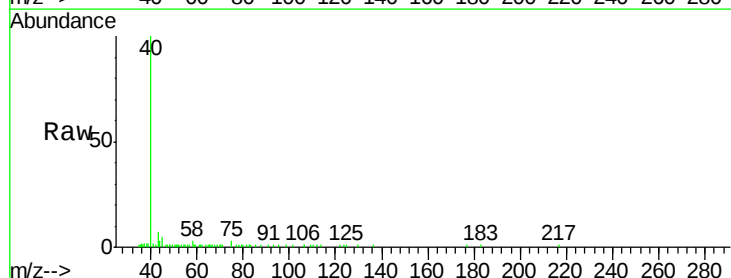
Acq: 21 Mar 2019 16:37

Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

58 42.4 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

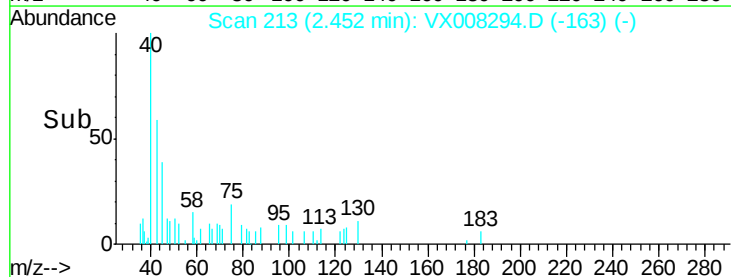
400

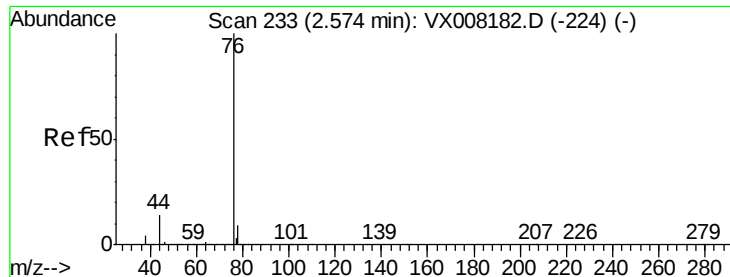
200

0

2.40 2.45 2.50

Time-->





#17

Carbon Disulfide

Concen: 0.789 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

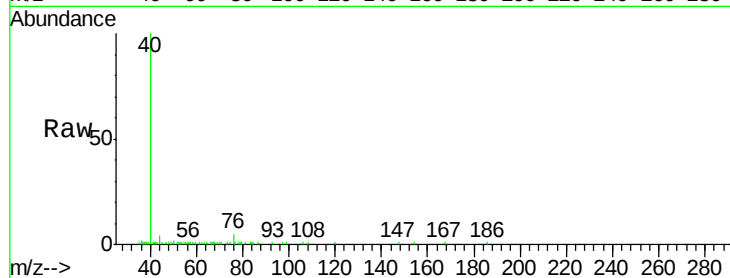
BPS1-TT-MW303I1-20190315

Tot Ion: 76 Resp: 1211

Ion Ratio Lower Upper

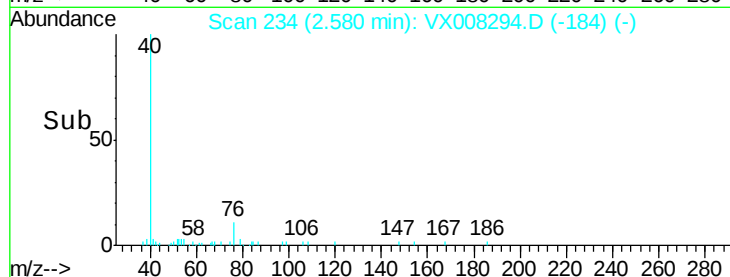
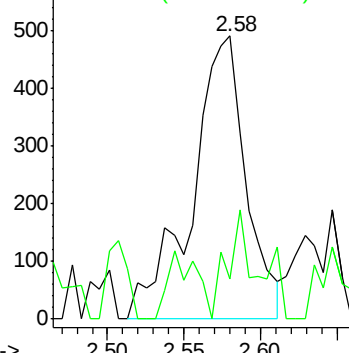
76 100

78 0.0 7.2 10.8#

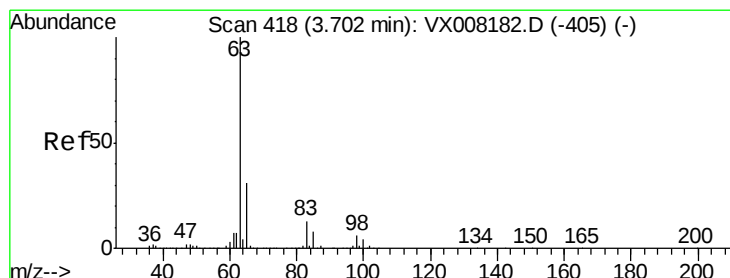


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 0.490 ug/l

RT: 3.71 min Scan# 419

Delta R.T. 0.01 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

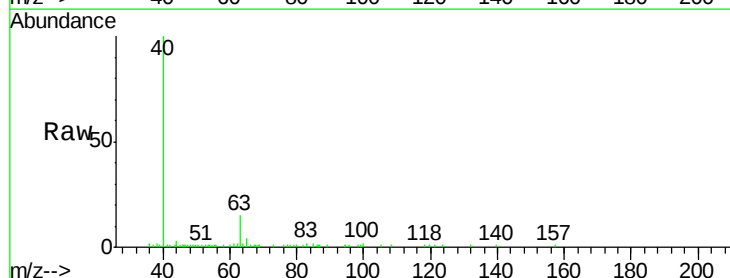
Tgt Ion: 63 Resp: 3463

Ion Ratio Lower Upper

63 100

98 8.8 3.3 9.8

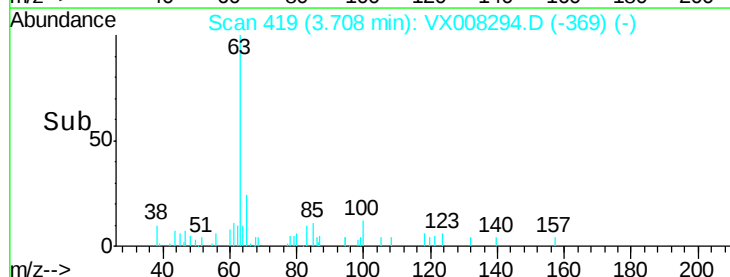
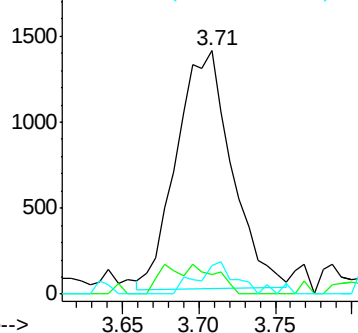
100 12.6 2.3 6.8#



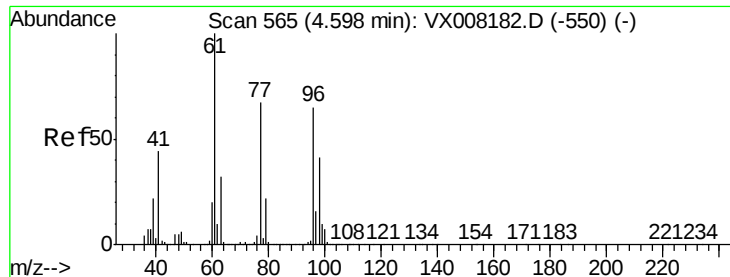
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->

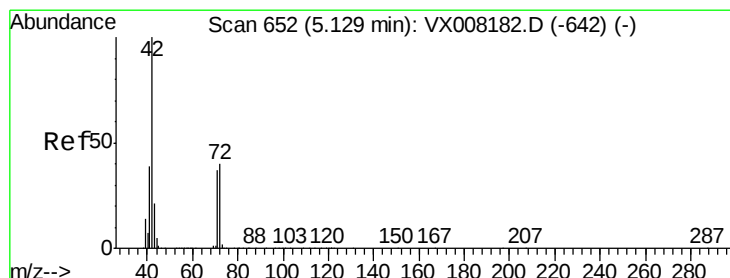
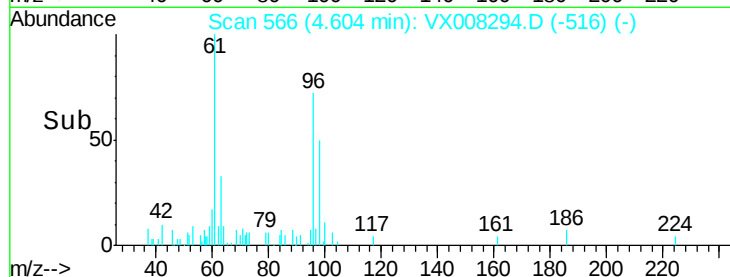
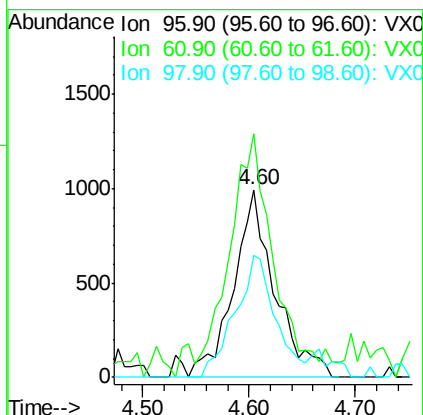
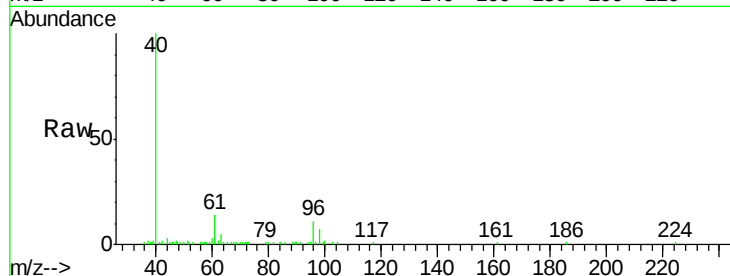


#27

cis-1,2-Dichloroethene
Concen: 0.679 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190315

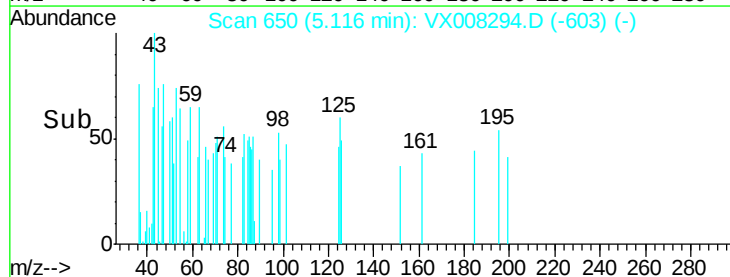
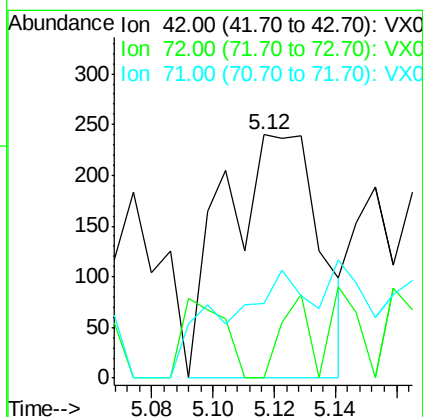
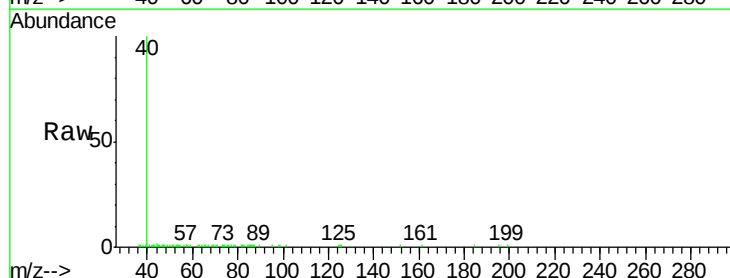
Tot Ion: 96 Resp: 2692
Ion Ratio Lower Upper
96 100
61 129.8 0.0 288.0
98 63.6 0.0 129.0

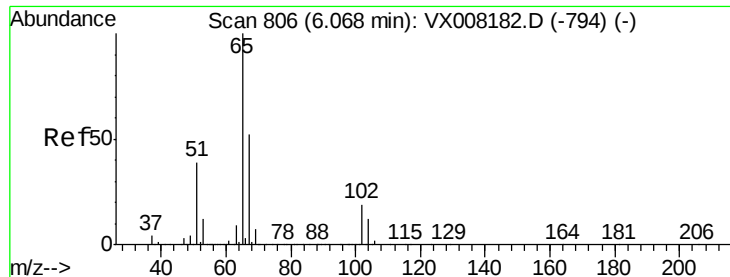


#29

Tetrahydrofuran
Concen: 0.251 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

Tgt Ion: 42 Resp: 525
Ion Ratio Lower Upper
42 100
72 9.5 33.8 50.6#
71 40.6 31.5 47.3





#33

1,2-Dichloroethane-d4

Concen: 46.882 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

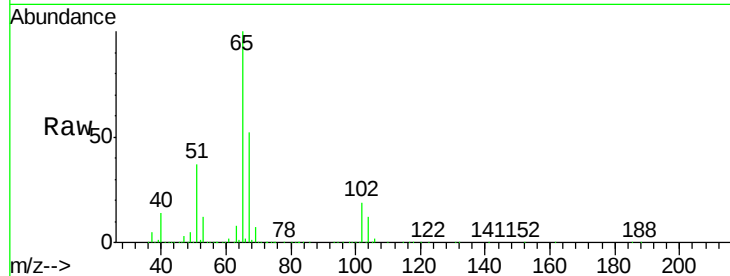
BPS1-TT-MW30311-20190315

Tot Ion: 65 Resp: 187408

Ion Ratio Lower Upper

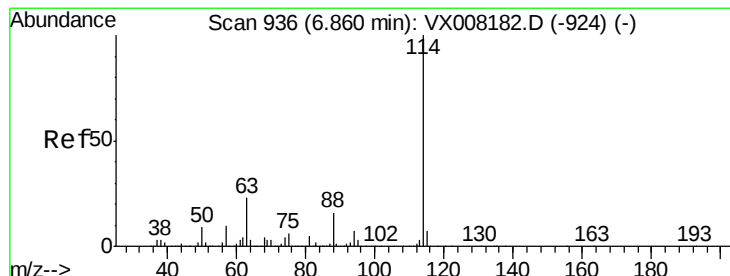
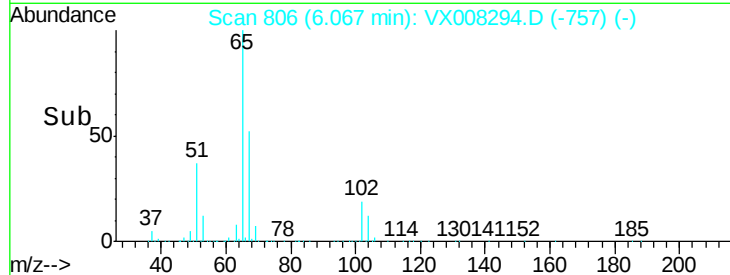
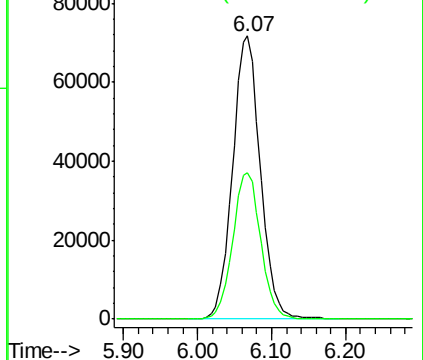
65 100

67 52.3 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: VX008294.D

Acq: 21 Mar 2019 16:37

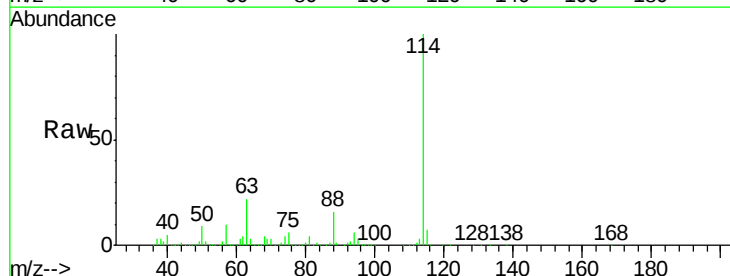
Tgt Ion: 114 Resp: 441672

Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.8

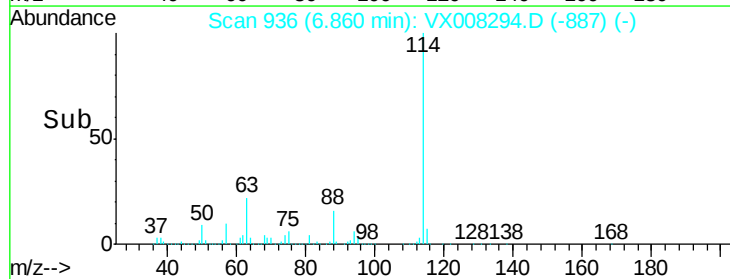
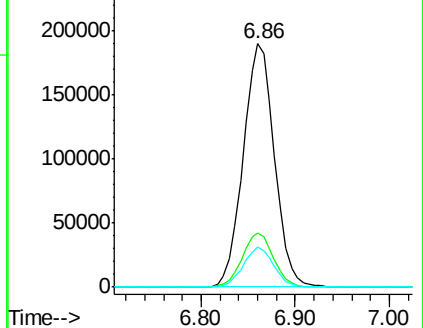
88 16.4 0.0 31.4

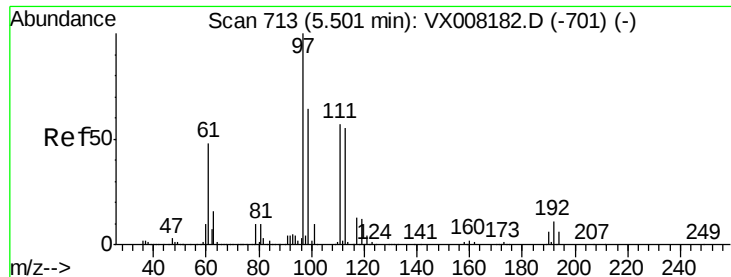


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

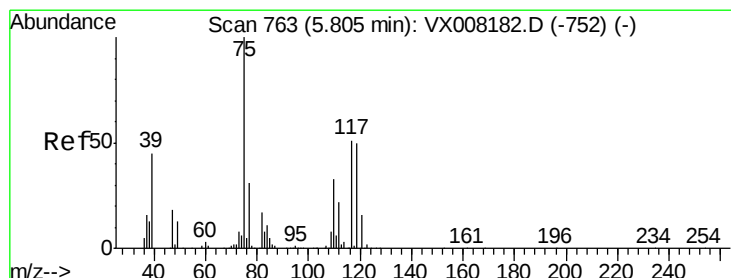
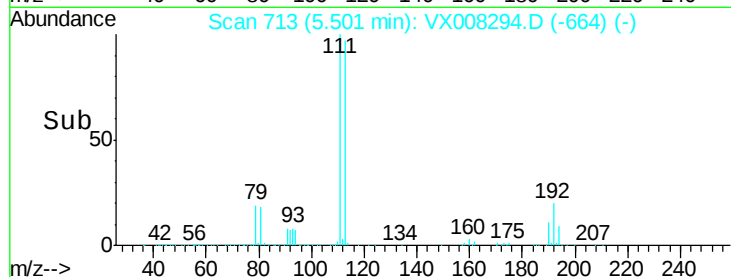
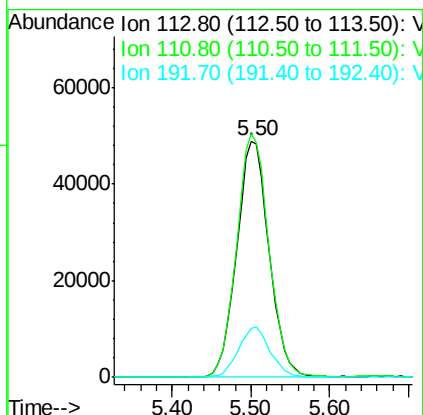
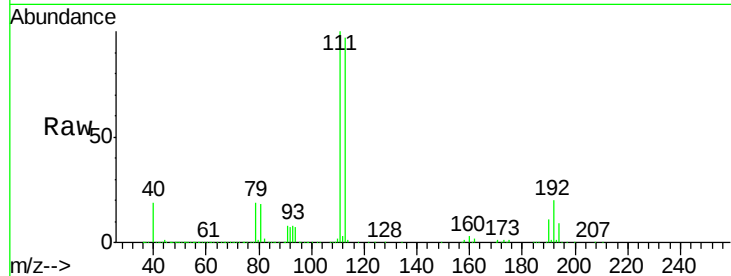




#35
 Dibromofluoromethane
 Concen: 47.178 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008294.D
 Acq: 21 Mar 2019 16:37

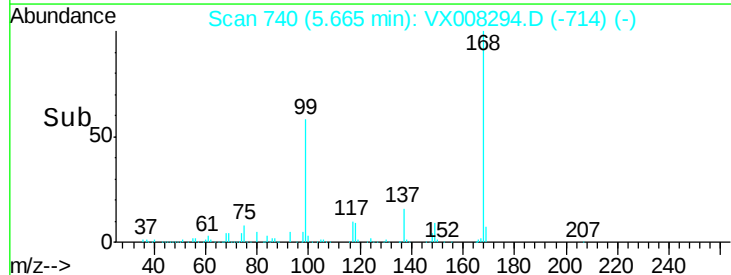
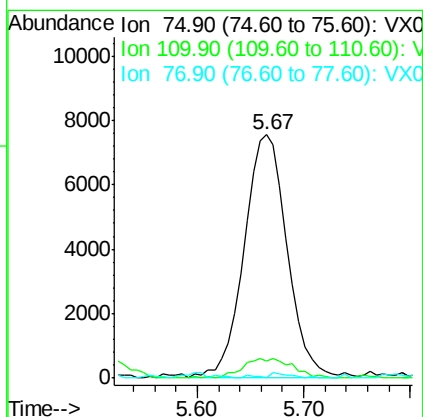
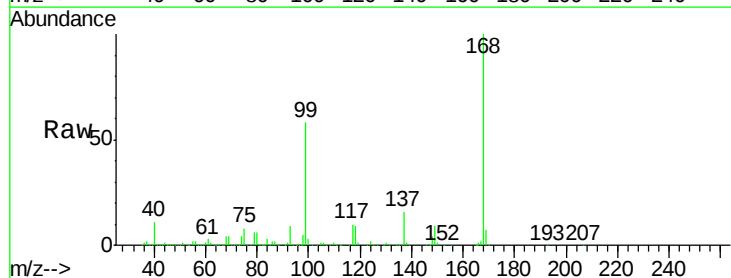
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20190315

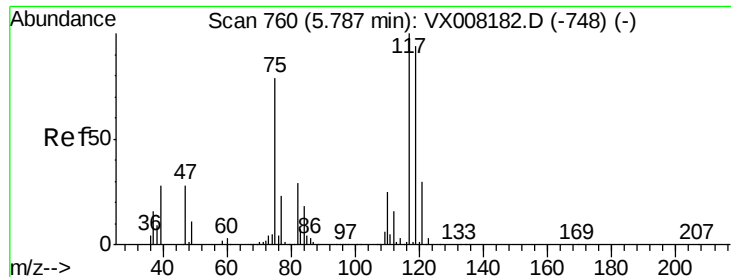
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	21.0	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.153 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008294.D
 Acq: 21 Mar 2019 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.0#
77	1.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.420 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20190315

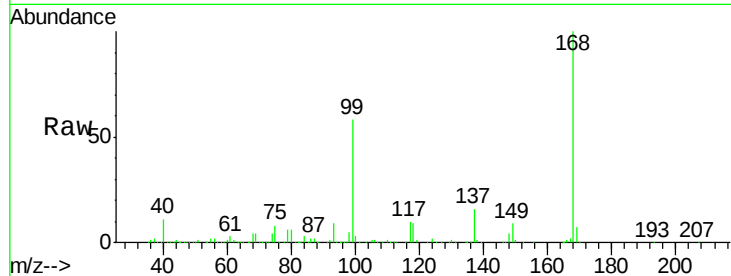
Tot Ion:117 Resp: 24832

Ion Ratio Lower Upper

117 100

119 6.9 76.2 114.2#

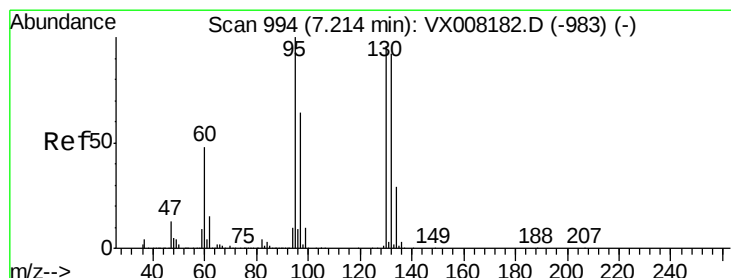
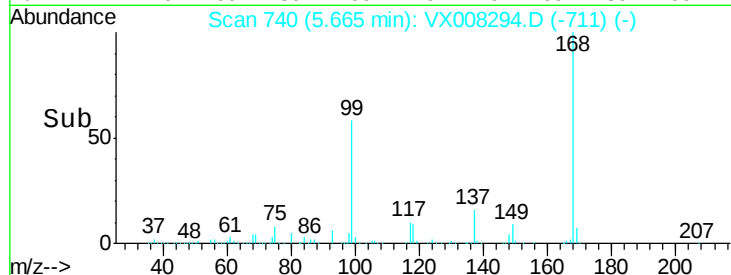
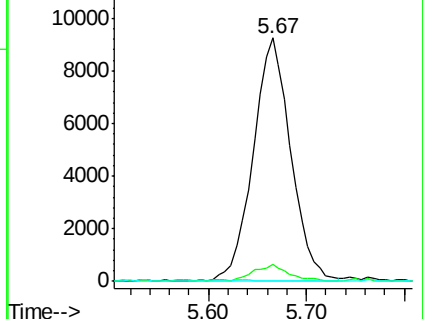
121 0.0 24.6 36.8#



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: 5.221 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008294.D

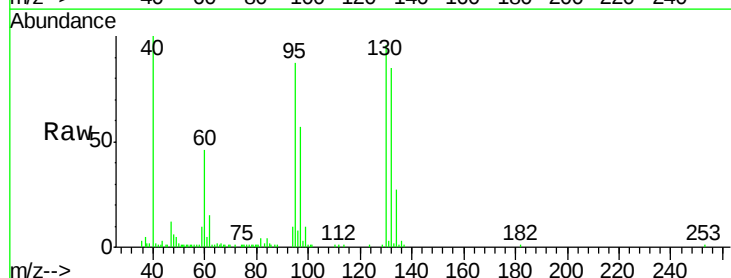
Acq: 21 Mar 2019 16:37

Tgt Ion:130 Resp: 19430

Ion Ratio Lower Upper

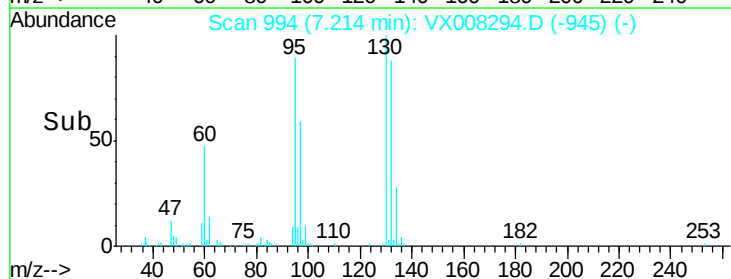
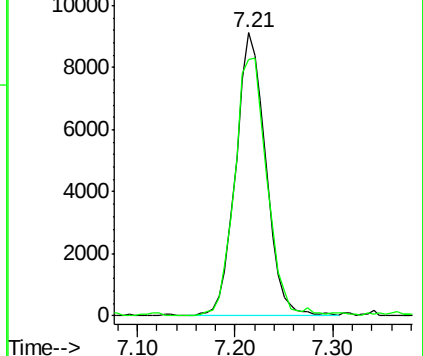
130 100

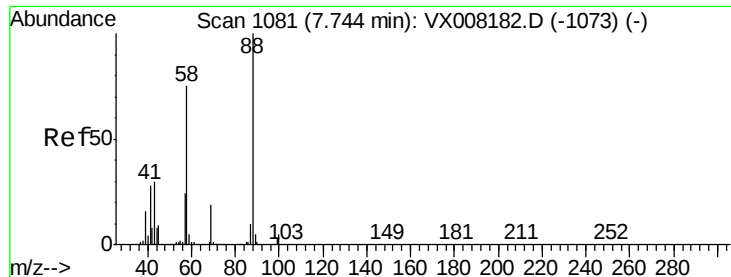
95 90.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

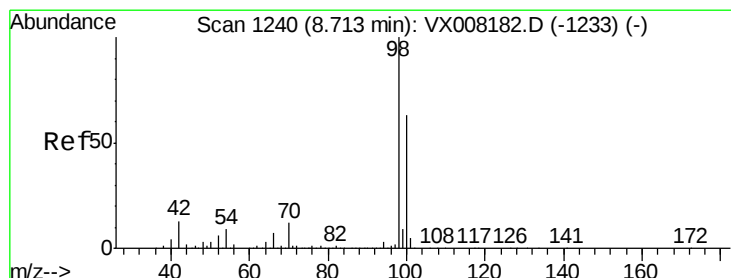
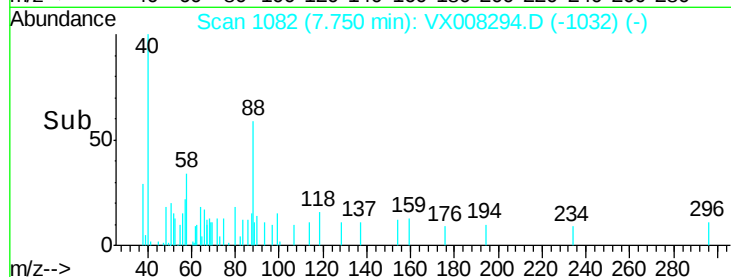
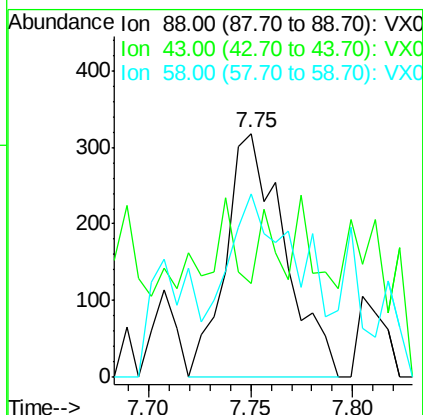
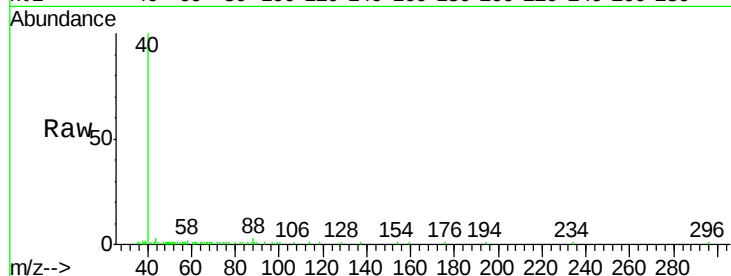




#49
1,4-Dioxane
Concen: 6.913 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

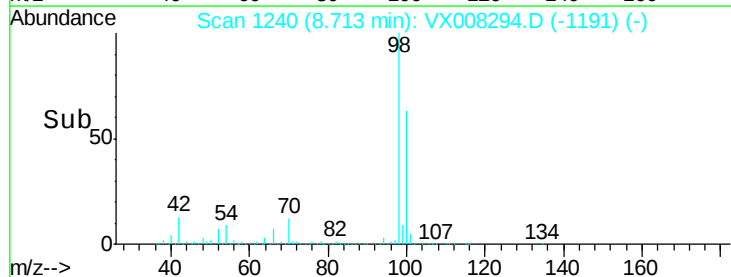
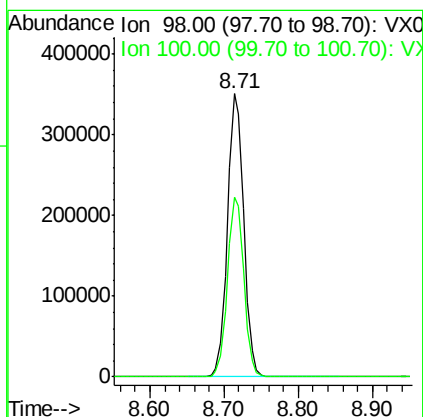
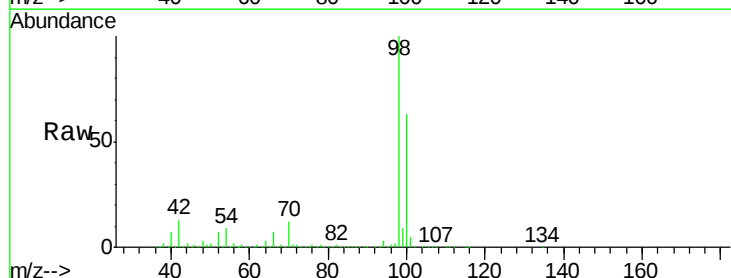
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190315

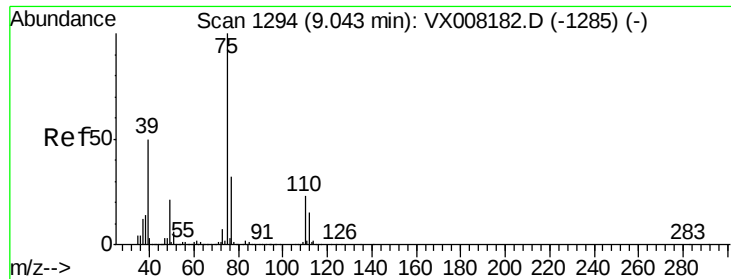
Tot Ion: 88 Resp: 632
Ion Ratio Lower Upper
88 100
43 18.8 25.1 37.7#
58 65.5 57.8 86.6



#50
Toluene-d8
Concen: 47.960 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

Tgt Ion: 98 Resp: 537621
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.455 ug/l

RT: 9.07 min Scan# 1298

Delta R.T. 0.02 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

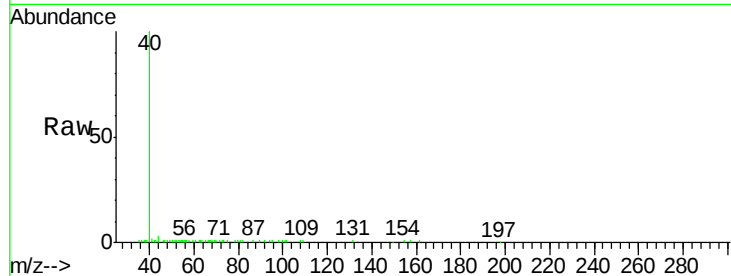
BPS1-TT-MW30311-20190315

Tot Ion: 75 Resp: 210

Ion Ratio Lower Upper

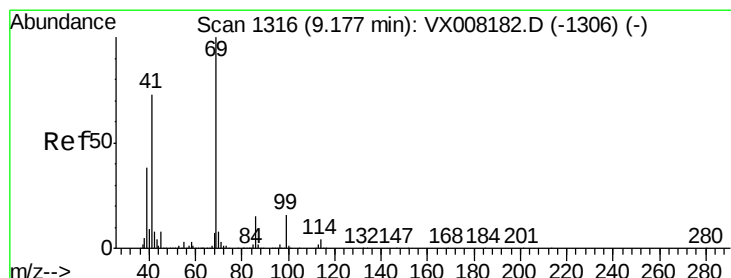
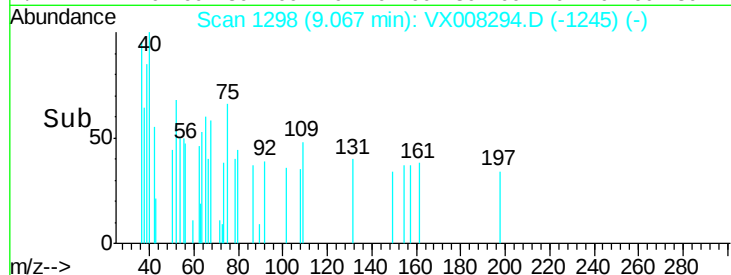
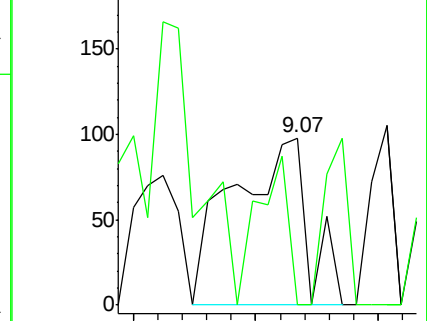
75 100

77 0.0 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: 0.551 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

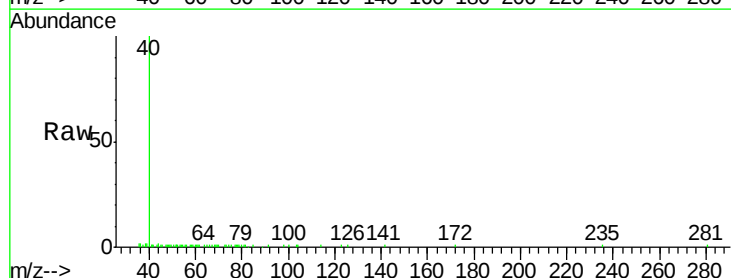
Tgt Ion: 69 Resp: 162

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

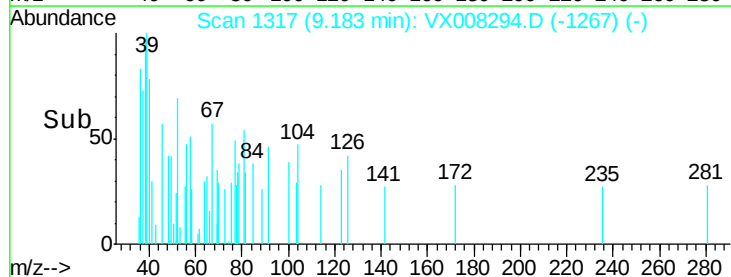
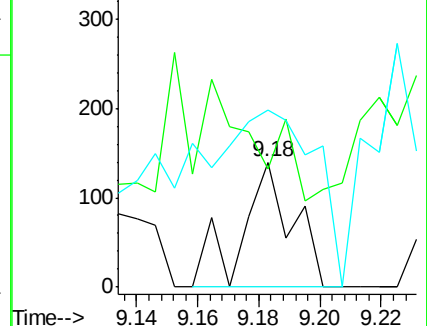
39 233.3 25.0 37.4#

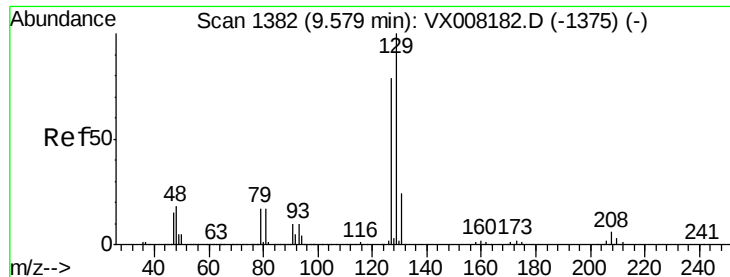


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 18.708 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

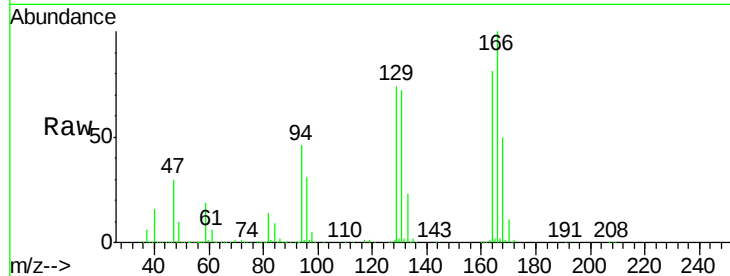
BPS1-TT-MW30311-20190315

Tot Ion:129 Resp: 65591

Ion Ratio Lower Upper

129 100

127 0.2 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

50000

40000

30000

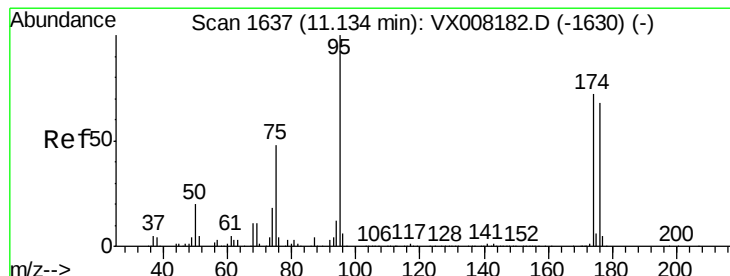
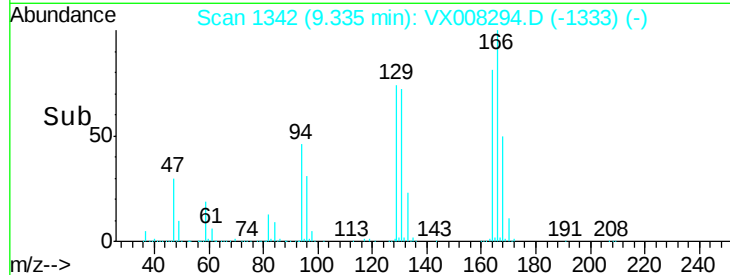
20000

10000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

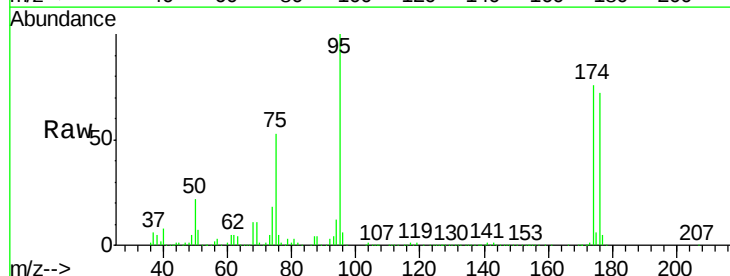
Tgt Ion: 95 Resp: 173799

Ion Ratio Lower Upper

95 100

174 82.0 0.0 182.8

176 78.2 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

11.13

150000

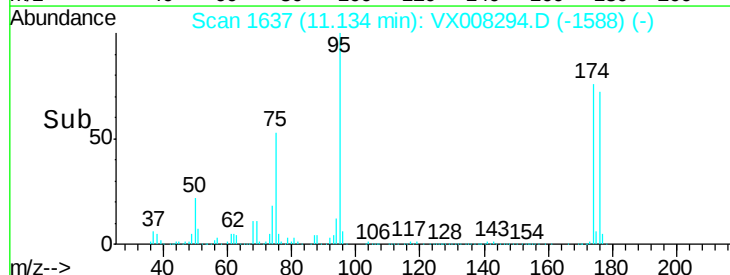
100000

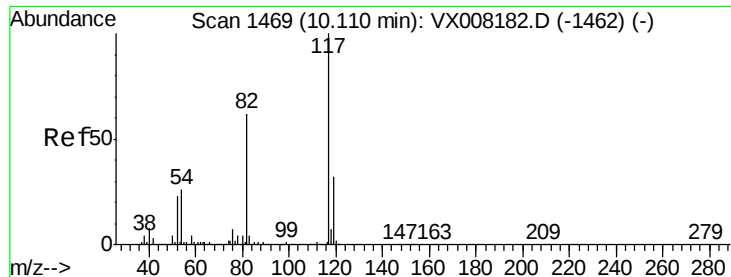
50000

0

11.10 11.20

Time-->

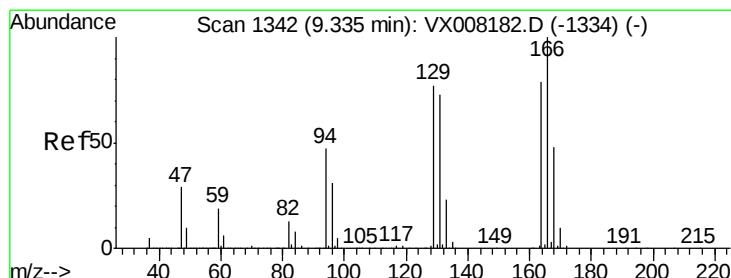
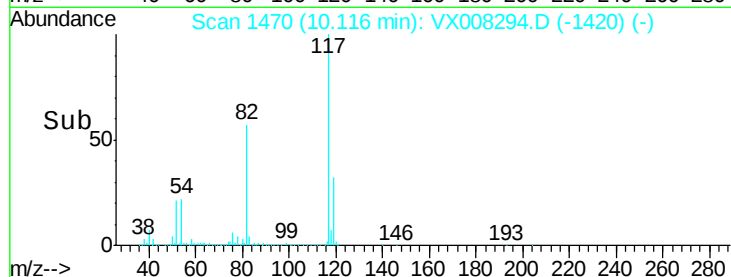
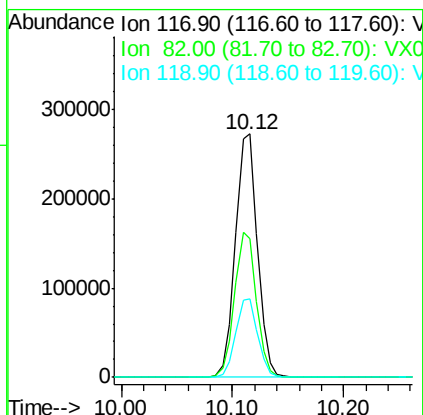
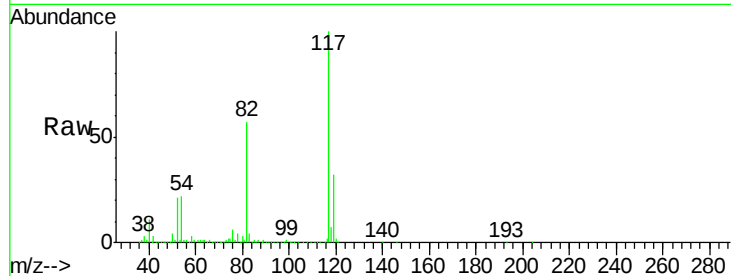




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

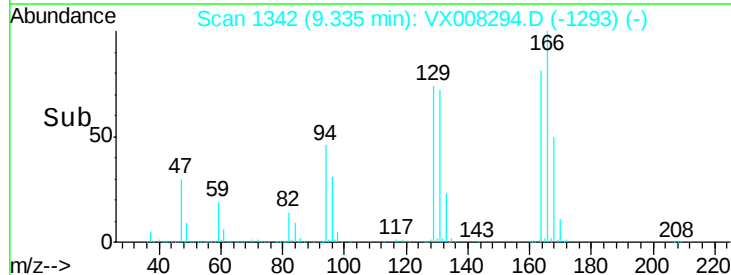
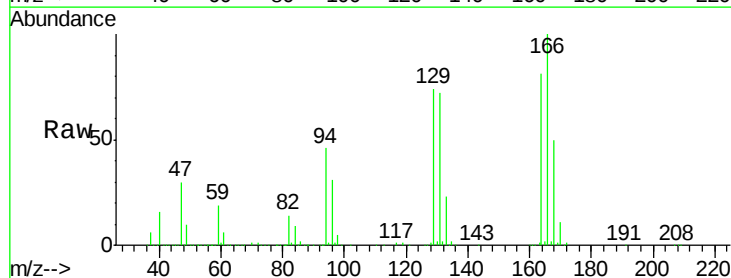
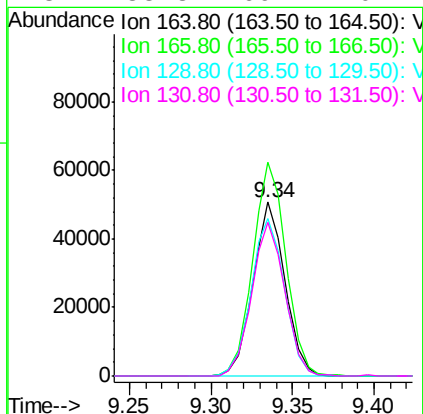
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190315

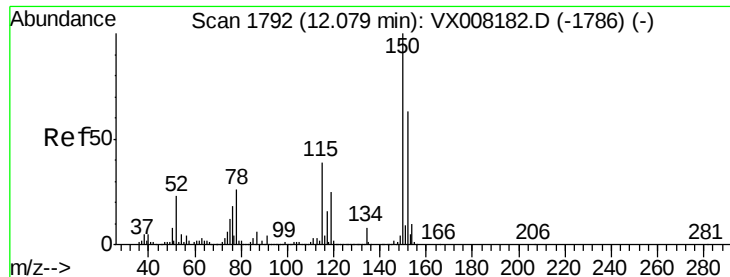
Tot Ion:117 Resp: 374388
Ion Ratio Lower Upper
117 100
82 57.1 44.3 66.5
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008294.D
Acq: 21 Mar 2019 16:37

Tgt Ion:164 Resp: 69013
Ion Ratio Lower Upper
164 100
166 123.0 103.4 155.0
129 90.7 72.2 108.4
131 88.3 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I1-20190315

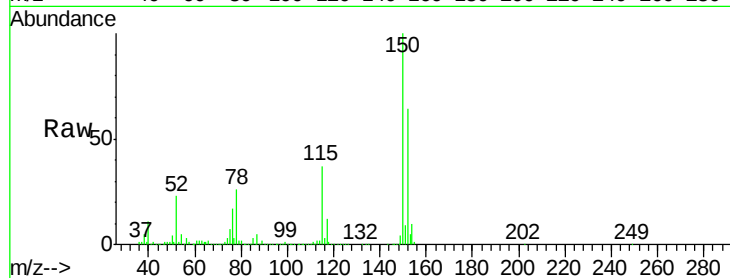
Tot Ion:152 Resp: 153708

Ion Ratio Lower Upper

152 100

115 59.7 38.6 115.7

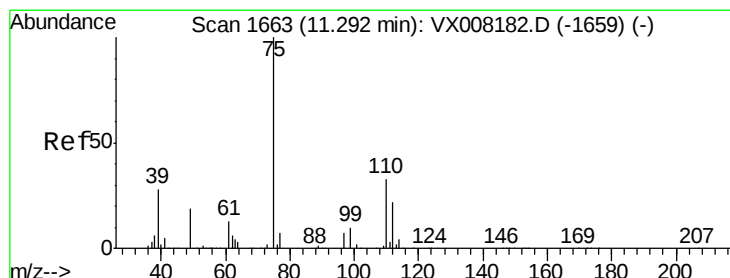
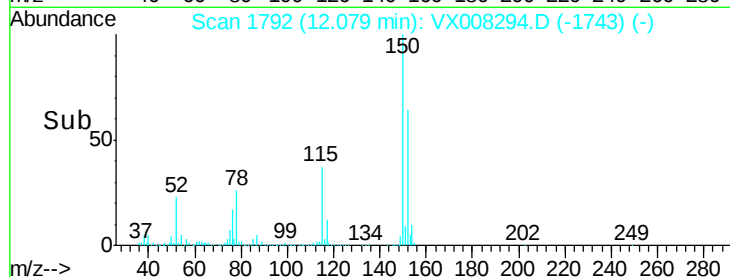
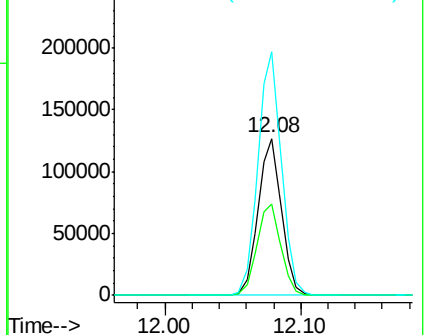
150 156.6 0.0 348.4



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: 21.081 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008294.D

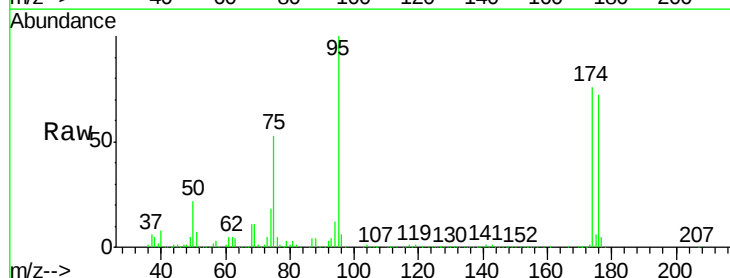
Acq: 21 Mar 2019 16:37

Tgt Ion: 75 Resp: 91136

Ion Ratio Lower Upper

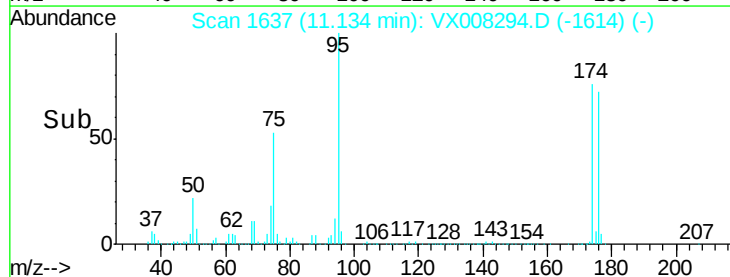
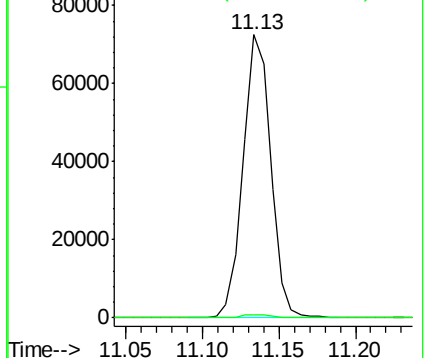
75 100

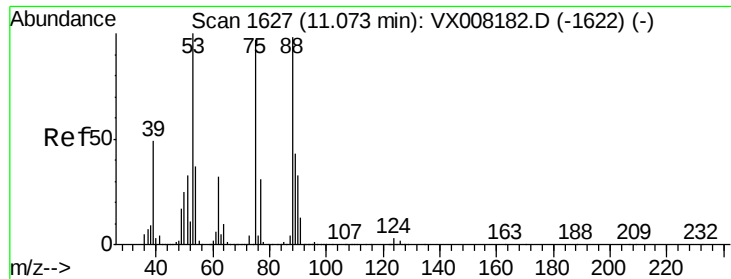
77 1.4 18.9 56.7#



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: 53.633 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I1-20190315

Tot Ion: 75 Resp: 91136

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.1 36.3 54.5#

