

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008295.D
 Acq On : 21 Mar 2019 17:02
 Operator : JC/SP
 Sample : K1963-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW03-20190315

Quant Time: Mar 22 08:44:53 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	263110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	367789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152748	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	181899	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
35) Dibromofluoromethane	5.50	113	137343	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	8.71	98	529740	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	170787	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	

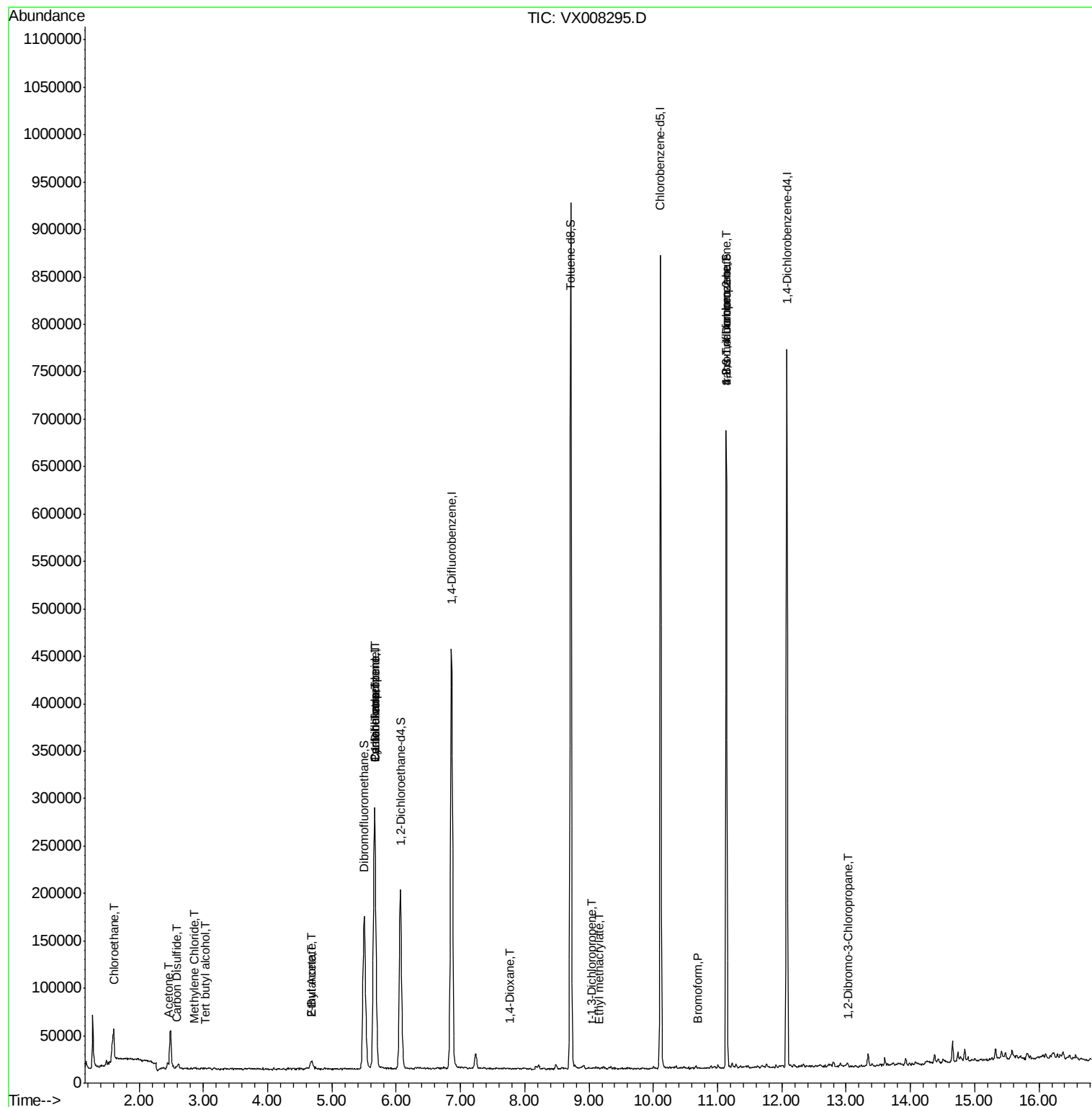
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	23123	9.241	ug/l #	53
11) Tert butyl alcohol	3.04	59	945	1.114	ug/l #	32
13) Acrolein	2.31	56	108	Below Cal	#	13
16) Acetone	2.45	43	7499	3.337	ug/l	96
17) Carbon Disulfide	2.58	76	1570	0.824	ug/l	96
20) Methylene Chloride	2.86	84	832	0.222	ug/l #	86
25) 2-Butanone	4.68	43	17786	5.361	ug/l	99
31) Cyclohexane	5.66	56	5514	0.839	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	21555	4.303	ug/l #	50
37) Ethyl Acetate	4.68	43	17786	3.003	ug/l #	69
38) Carbon Tetrachloride	5.67	117	25334	5.676	ug/l #	16
49) 1,4-Dioxane	7.76	88	114	1.280	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	70	1.434	ug/l #	43
56) Ethyl methacrylate	9.16	69	114	0.544	ug/l #	21
71) Bromoform	10.69	173	48	2.219	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	90580	21.084	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	90580	53.641	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.04	75	258	0.238	ug/l #	4

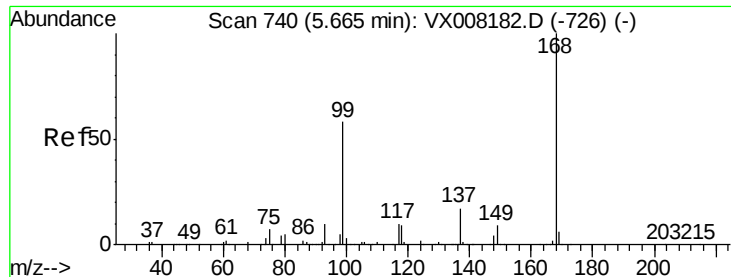
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
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: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

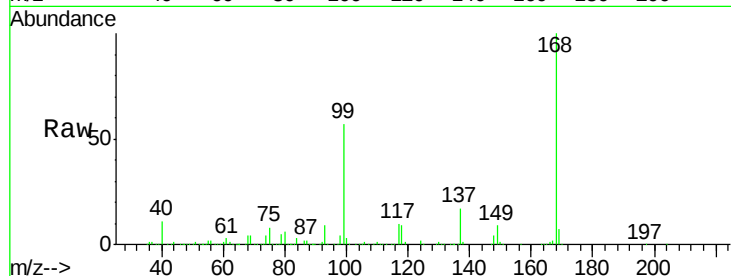
BP-TT-AOC22-MW03-20190315

Tot Ion:168 Resp: 263110

Ion Ratio Lower Upper

168 100

99 56.5 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

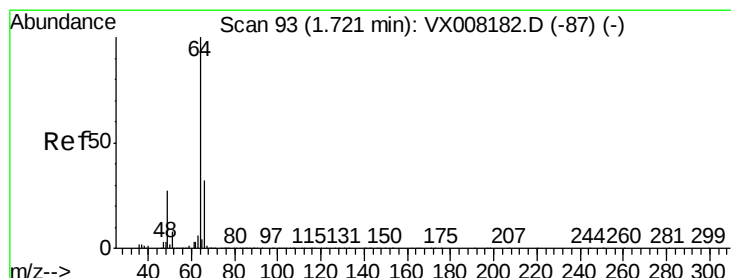
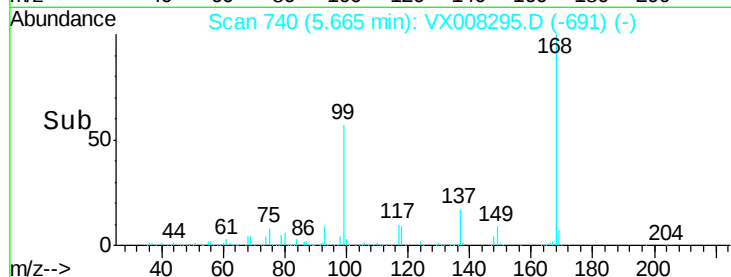
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 9.241 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.12 min

Lab File: VX008295.D

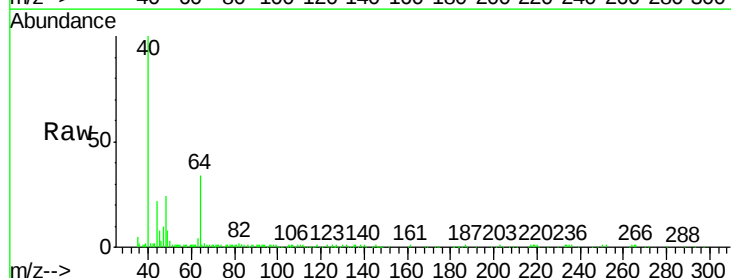
Acq: 21 Mar 2019 17:02

Tgt Ion: 64 Resp: 23123

Ion Ratio Lower Upper

64 100

66 5.4 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.60

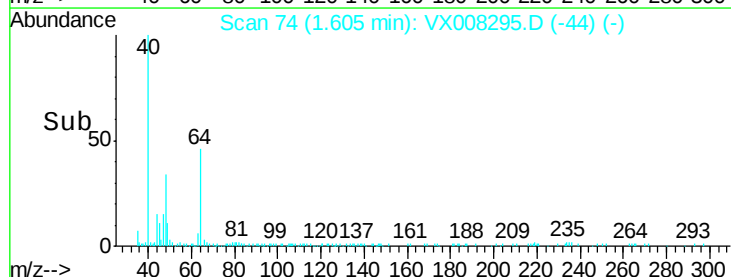
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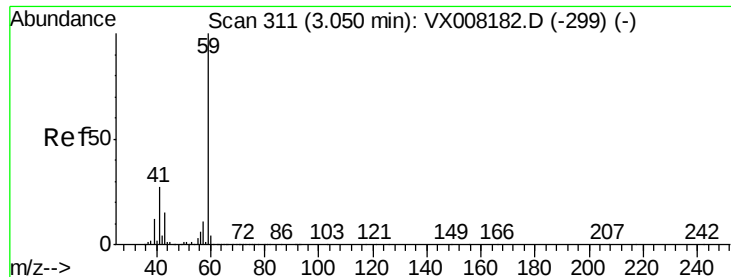
4000

2000

0

Time-->

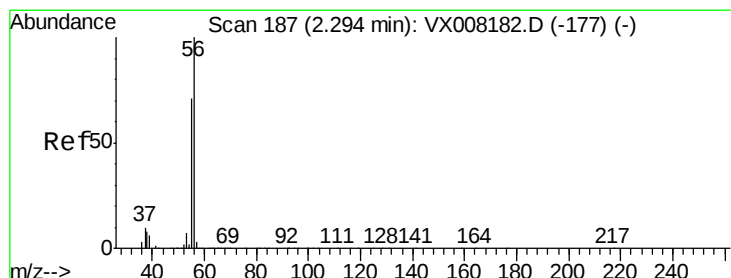
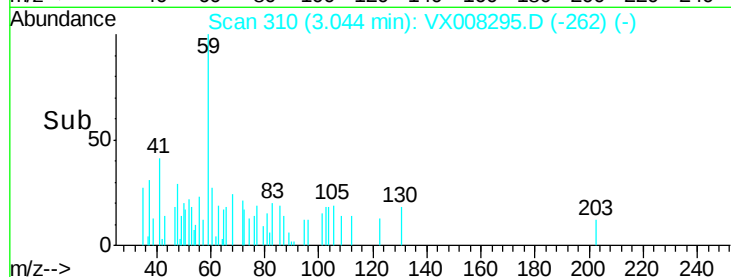
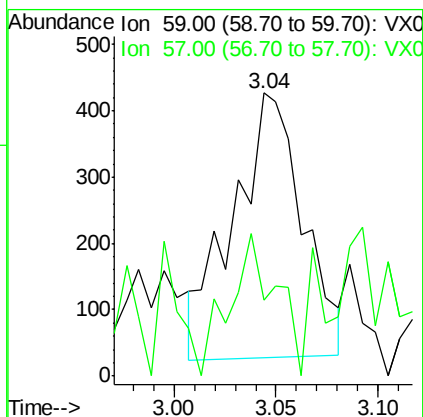
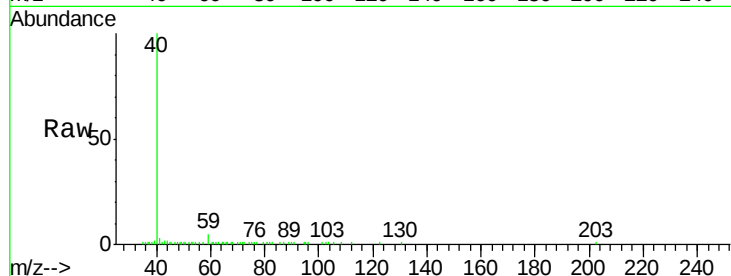




#11
Tert butyl alcohol
Concen: 1.114 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

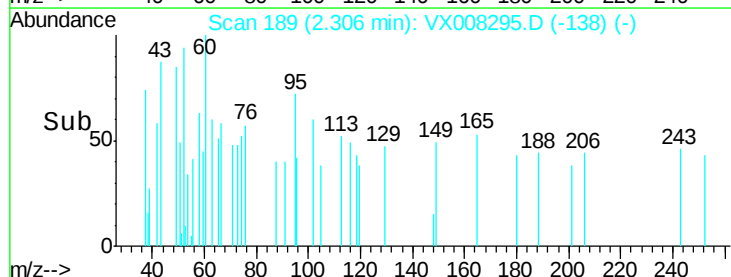
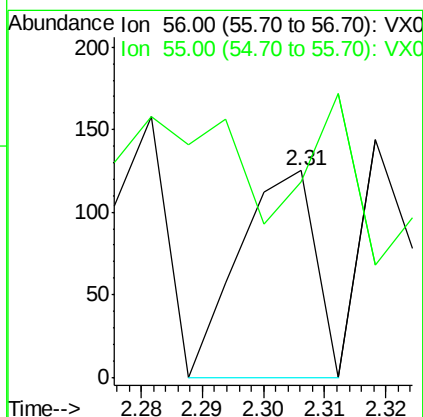
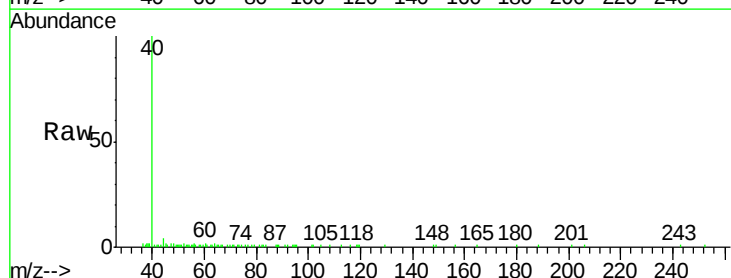
Instrument :
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BP-TT-AOC22-MW03-20190315

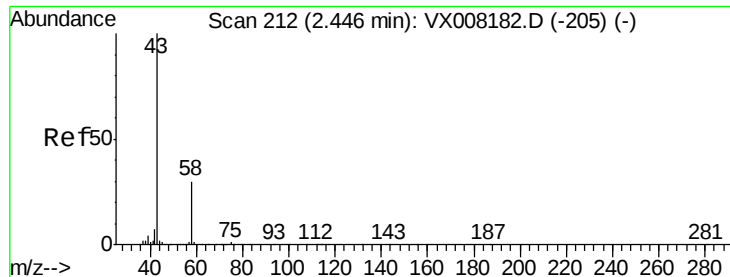
Tot Ion: 59 Resp: 945
Ion Ratio Lower Upper
59 100
57 35.6 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#





#16

Acetone

Concen: 3.337 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

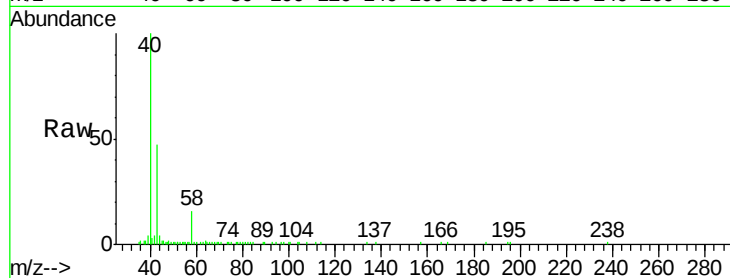
BP-TT-AOC22-MW03-20190315

Tot Ion: 43 Resp: 7499

Ion Ratio Lower Upper

43 100

58 29.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

2000

1000

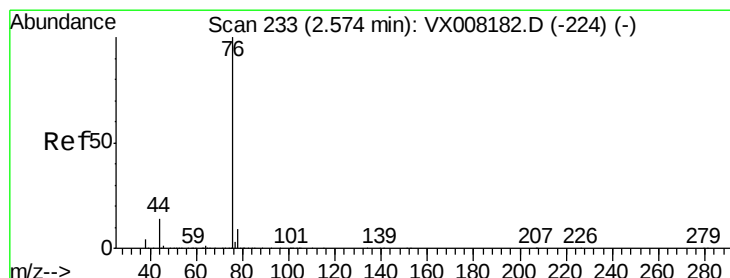
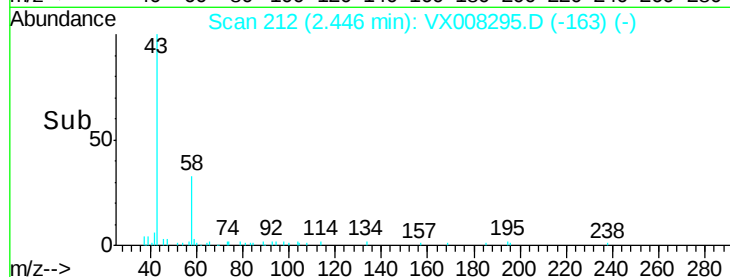
0

Time-->

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: 0.824 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008295.D

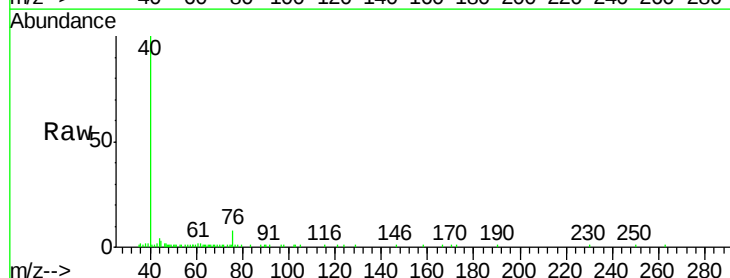
Acq: 21 Mar 2019 17:02

Tgt Ion: 76 Resp: 1570

Ion Ratio Lower Upper

76 100

78 7.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

800

600

400

200

0

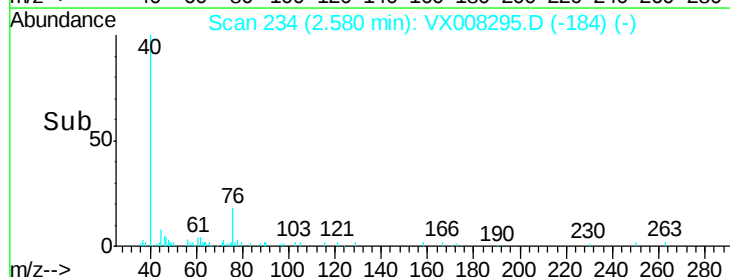
Time-->

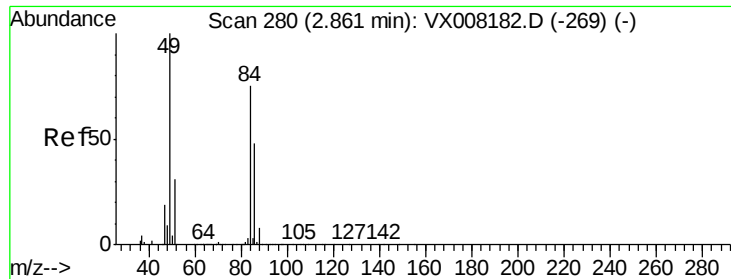
2.50

2.55

2.60

2.65

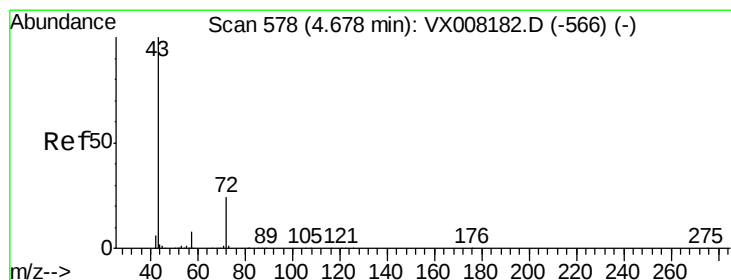
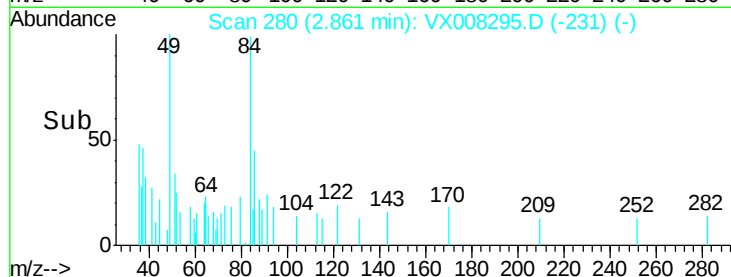
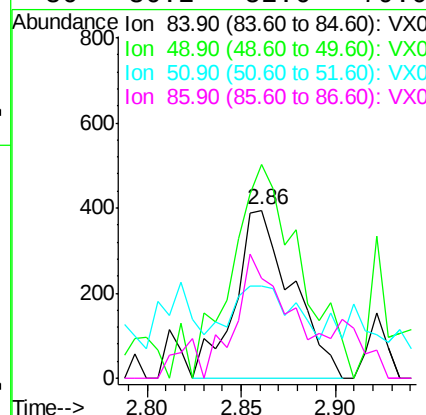
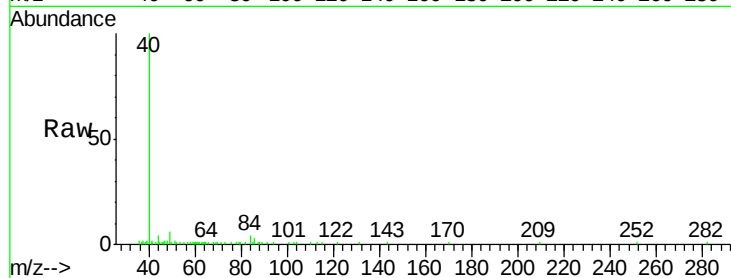




#20
Methvlene Chloride
Concen: 0.222 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

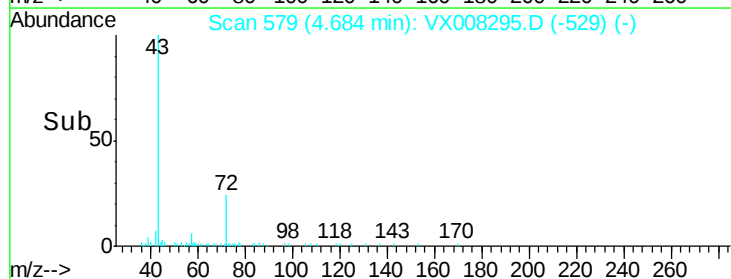
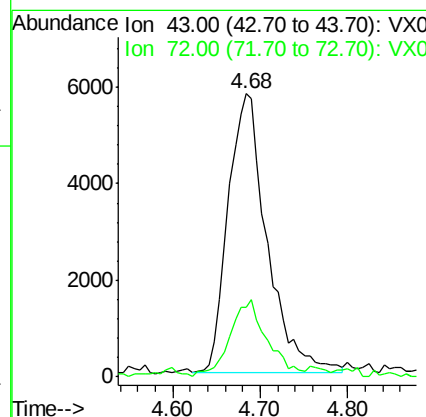
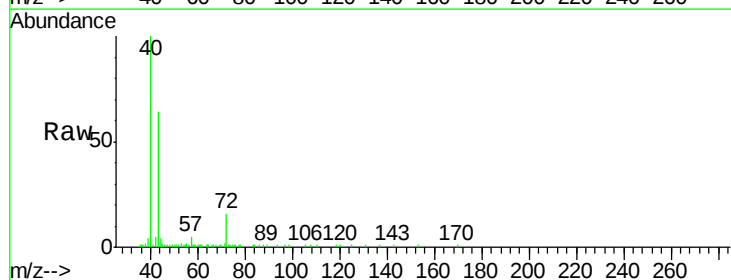
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW03-20190315

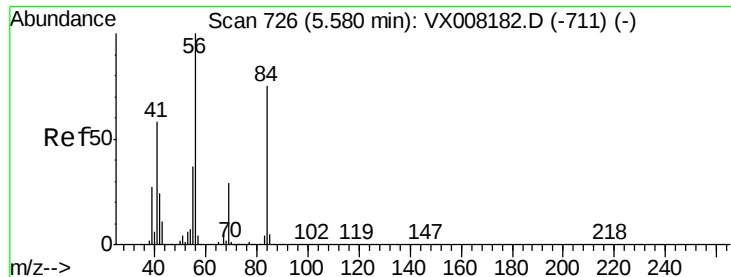
Tot Ion: 84 Resp: 832
Ion Ratio Lower Upper
84 100
49 127.1 99.3 148.9
51 31.6 31.3 46.9
86 36.2 52.6 79.0#



#25
2-Butanone
Concen: 5.361 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

Tgt Ion: 43 Resp: 17786
Ion Ratio Lower Upper
43 100
72 25.2 19.9 29.9

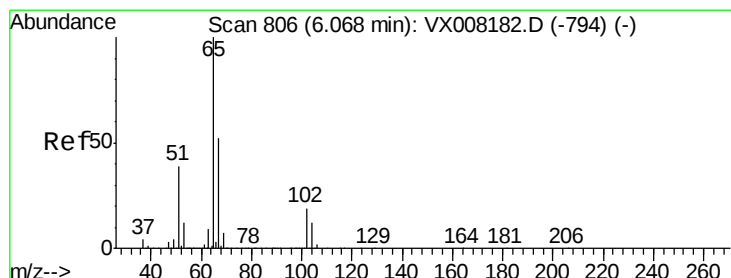
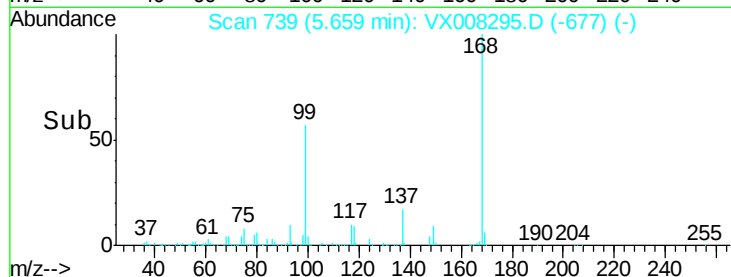
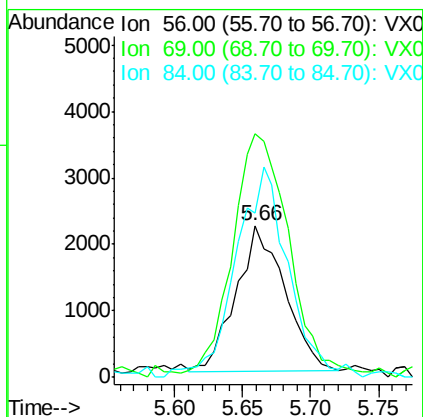
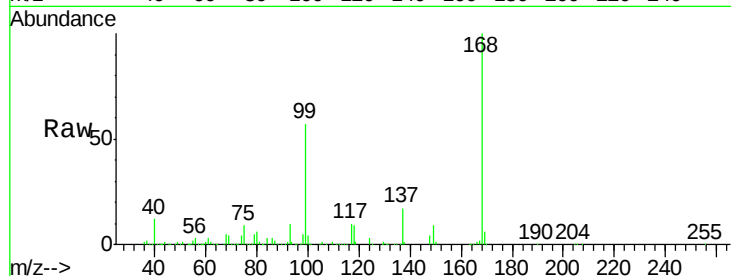




#31
Cyclohexane
Concen: 0.839 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

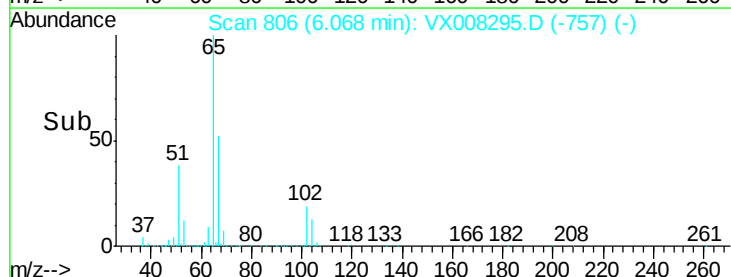
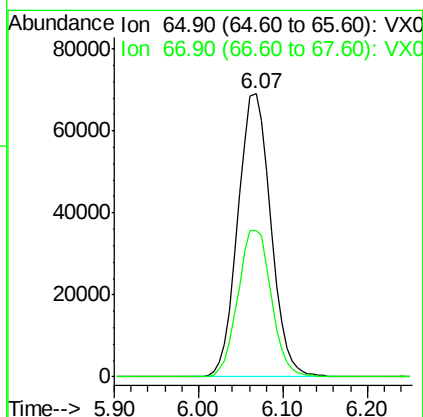
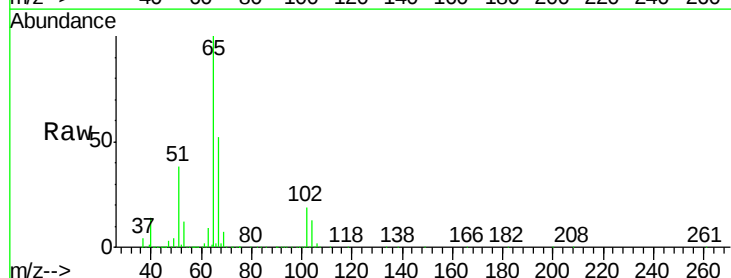
Instrument :
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BP-TT-AOC22-MW03-20190315

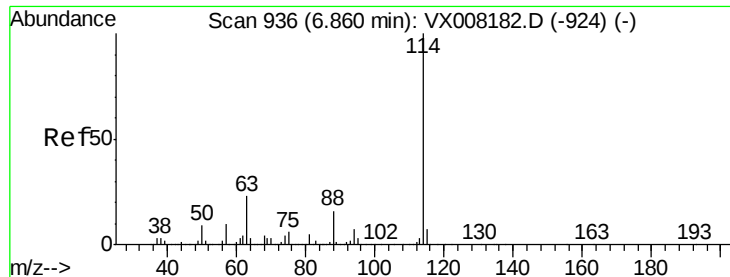
Tot Ion: 56 Resp: 5514
Ion Ratio Lower Upper
56 100
69 160.4 24.0 36.0#
84 108.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 45.903 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

Tgt Ion: 65 Resp: 181899
Ion Ratio Lower Upper
65 100
67 53.0 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: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

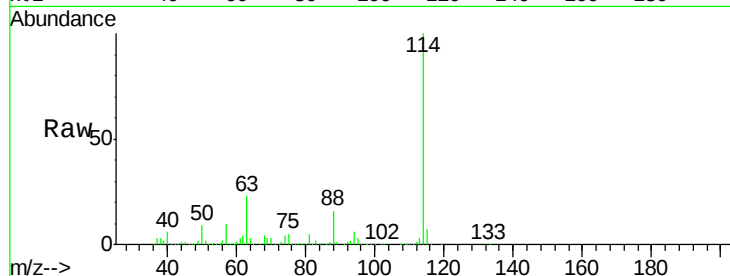
Tot Ion:114 Resp: 430287

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

88 15.7 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

250000

200000

150000

100000

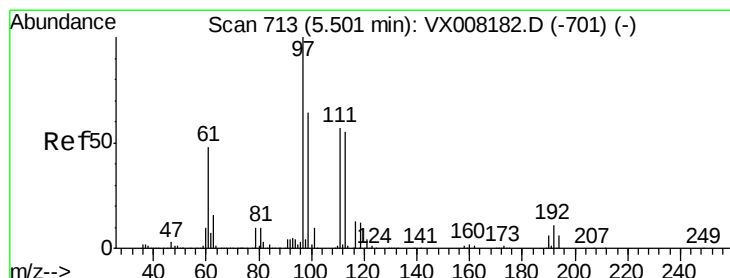
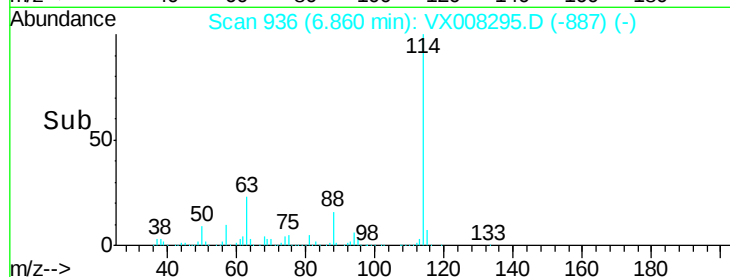
50000

0

6.86

6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.680 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

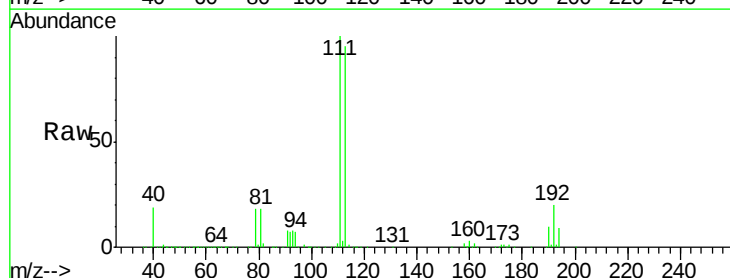
Tgt Ion:113 Resp: 137343

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 20.8 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

60000

40000

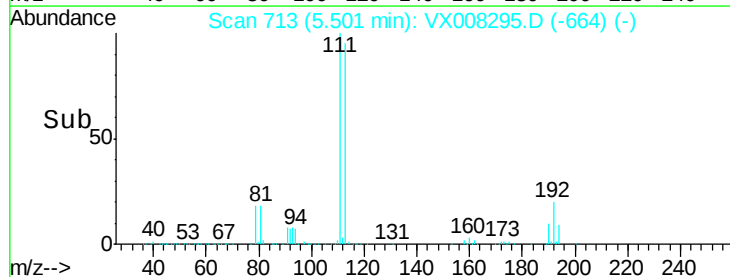
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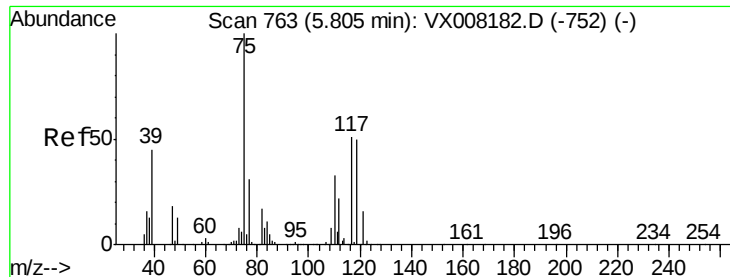
0

5.50

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.303 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

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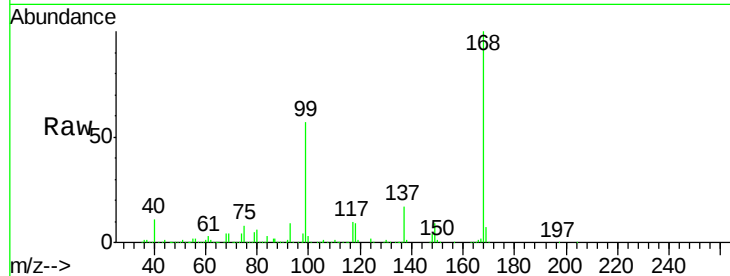
Tot Ion: 75 Resp: 21555

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.0#

77 0.8 25.0 37.4#



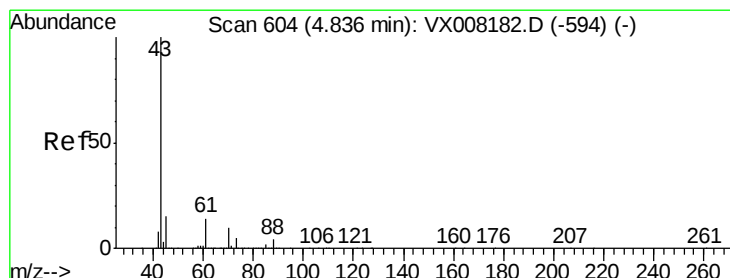
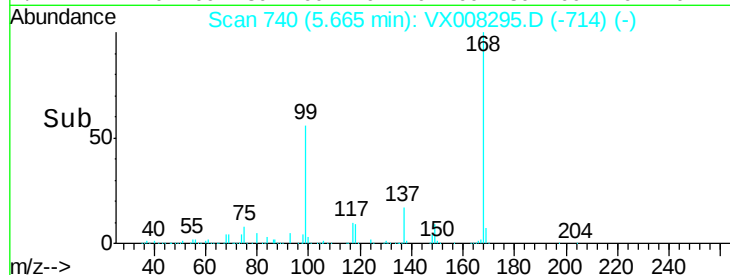
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

5.67

Time-->



#37

Ethyl Acetate

Concen: 3.003 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.15 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

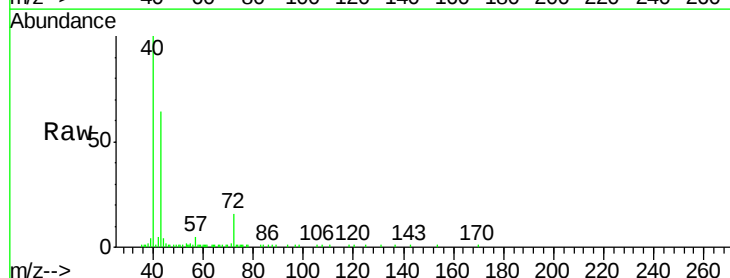
Tgt Ion: 43 Resp: 17786

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 1.1 8.5 12.7#



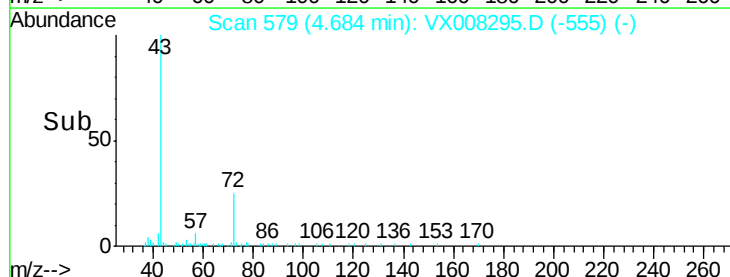
Abundance Ion 43.00 (42.70 to 43.70): VX0

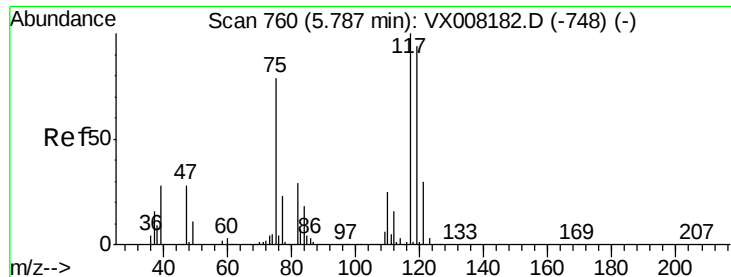
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

4.68

Time-->





#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

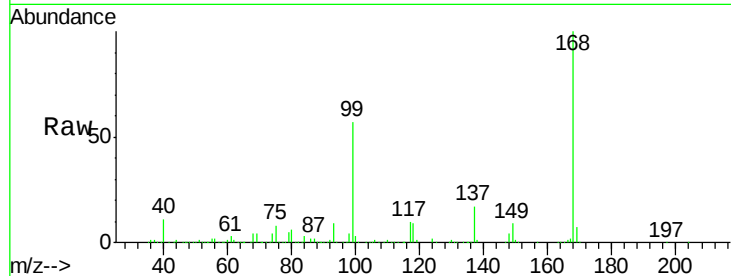
Tot Ion:117 Resp: 25334

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

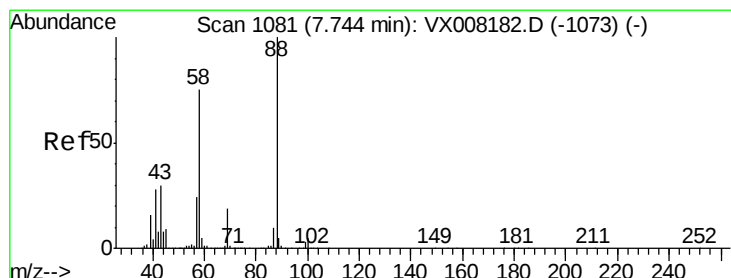
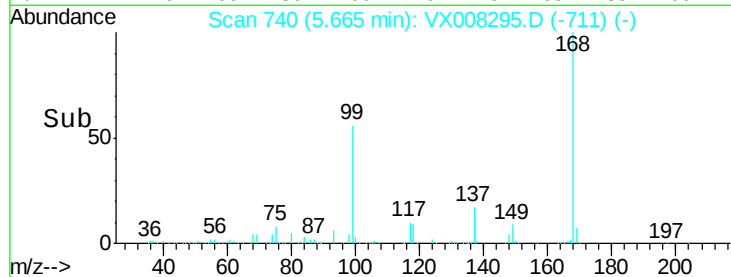
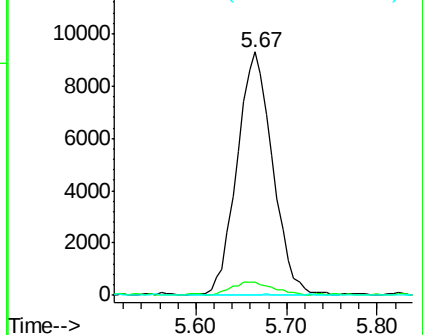
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 1.280 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

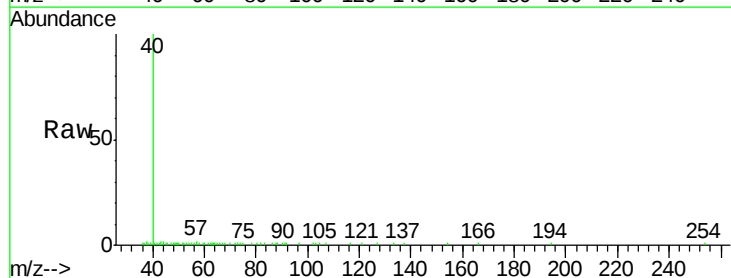
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 140.4 25.1 37.7#

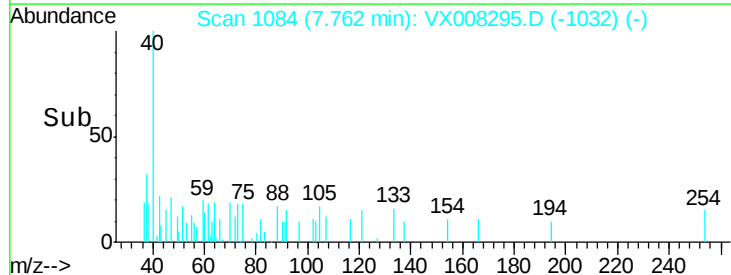
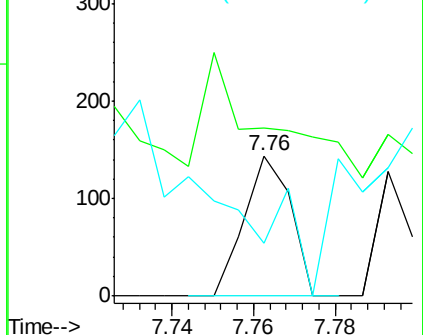
58 0.0 57.8 86.6#

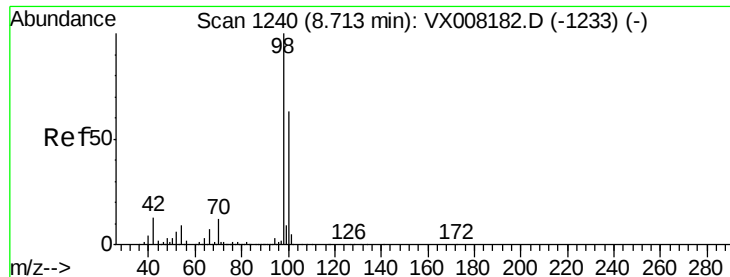


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

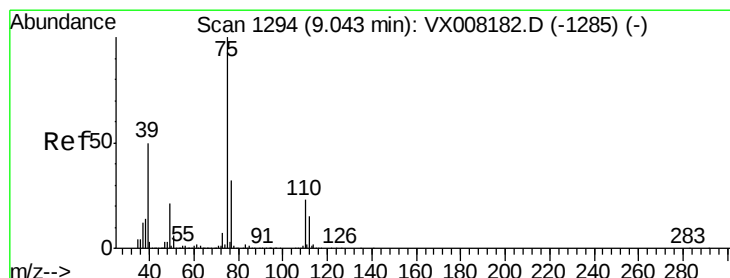
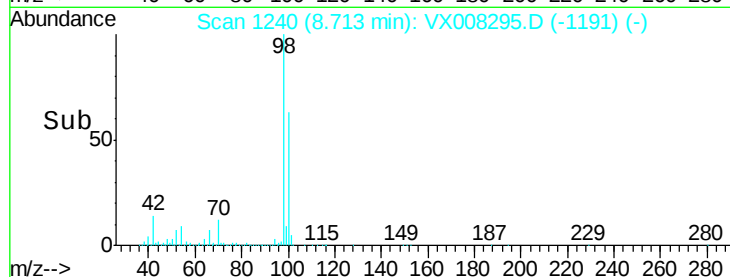
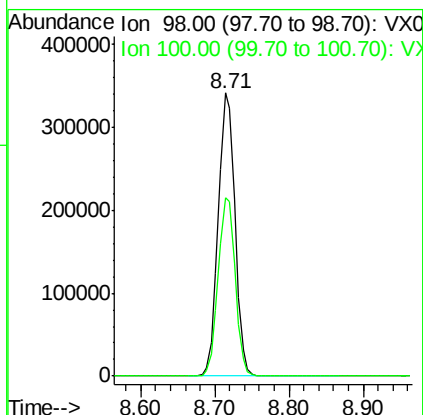
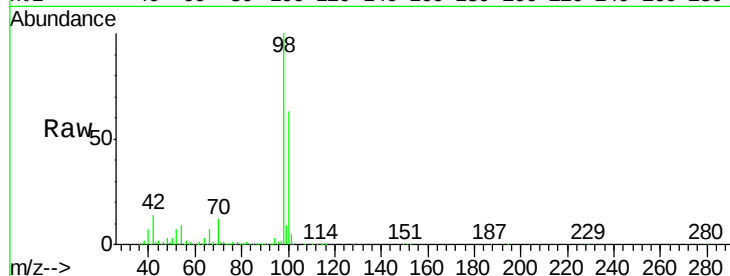




#50
Toluene-d8
Concen: 48.507 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

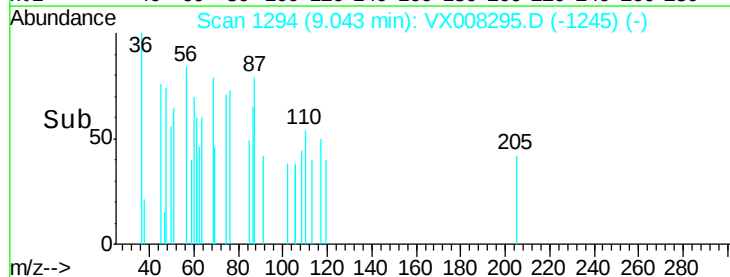
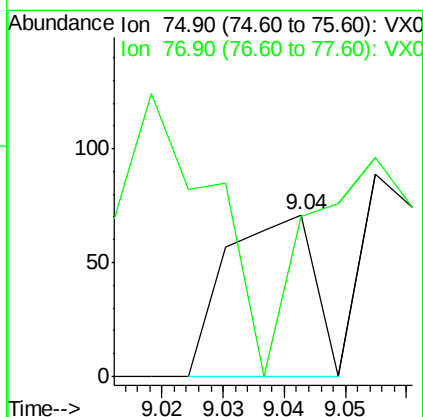
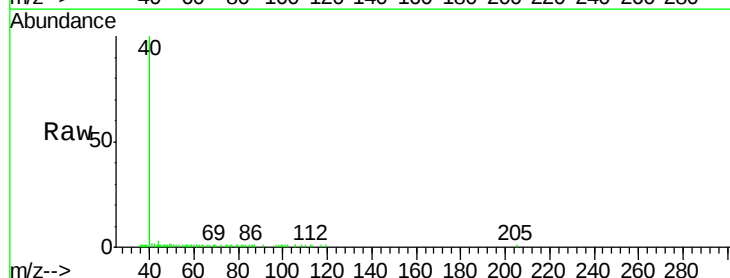
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW03-20190315

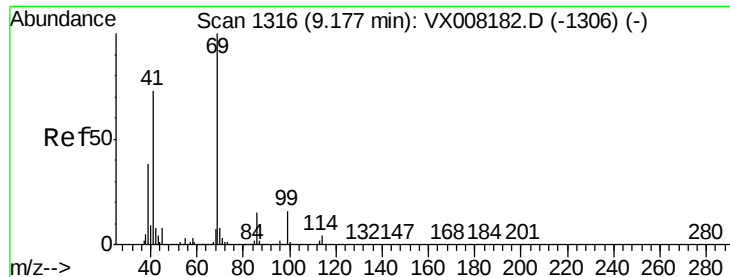
Tot Ion: 98 Resp: 529740
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.434 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.544 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

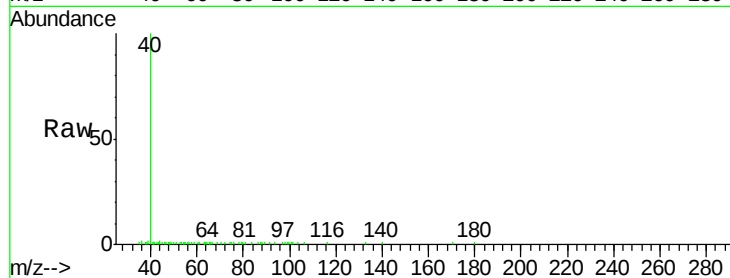
Tot Ion: 69 Resp: 114

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

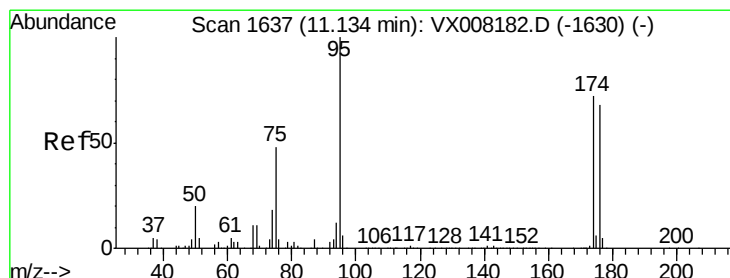
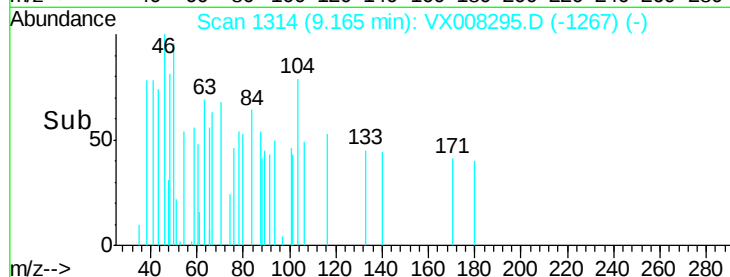
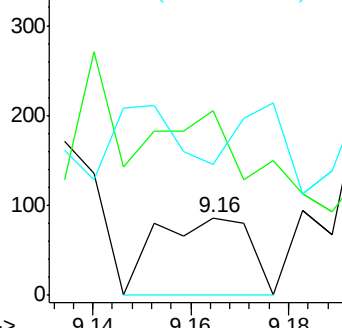
39 68.4 25.0 37.4#



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: 45.418 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

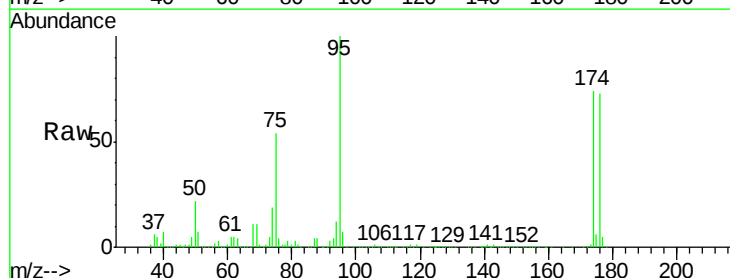
Tgt Ion: 95 Resp: 170787

Ion Ratio Lower Upper

95 100

174 81.1 0.0 182.8

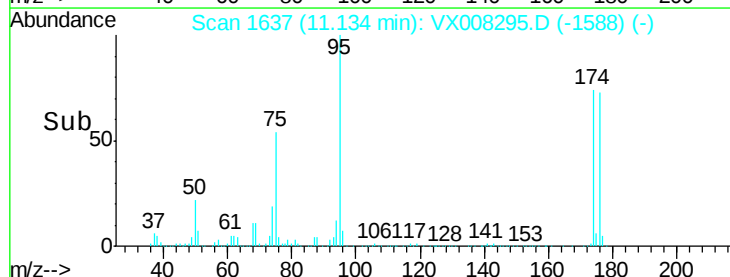
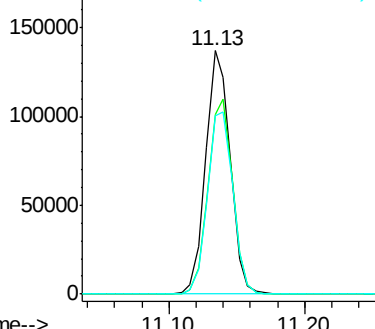
176 78.3 0.0 178.0

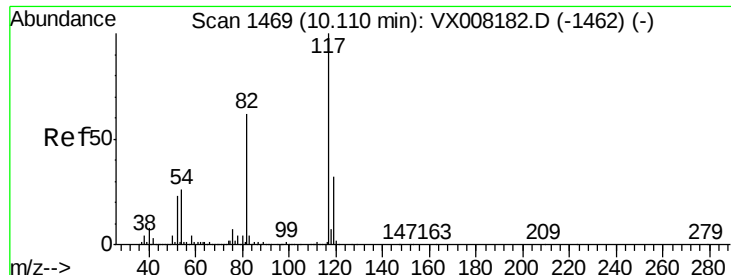


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

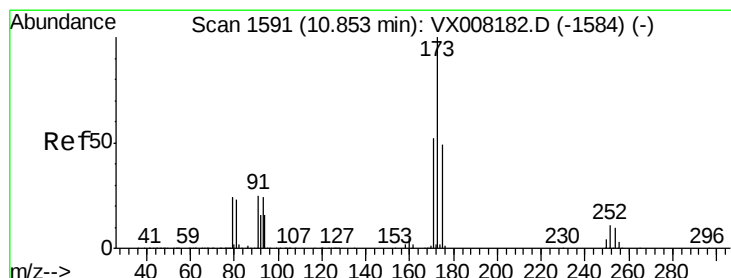
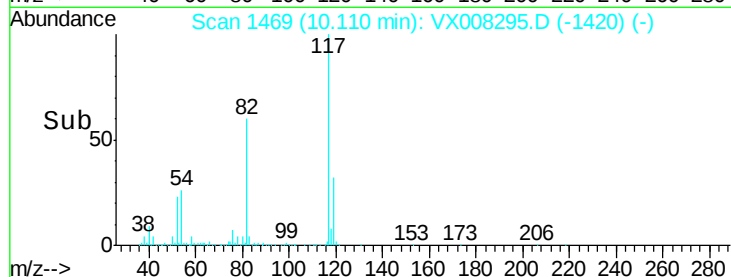
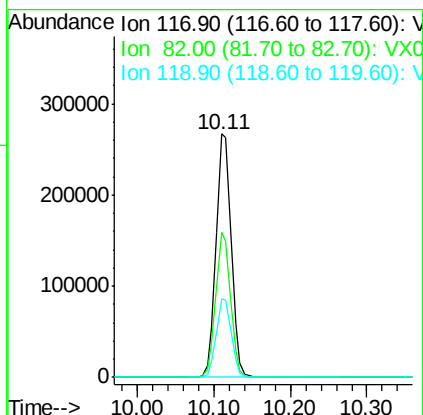
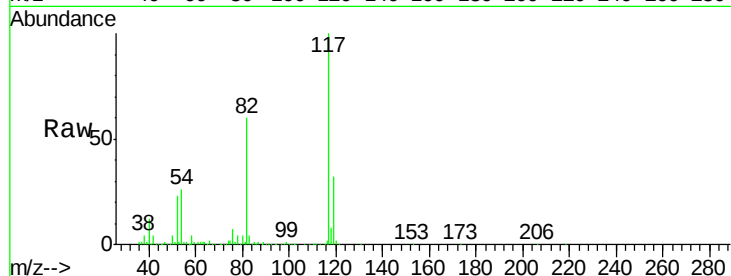




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

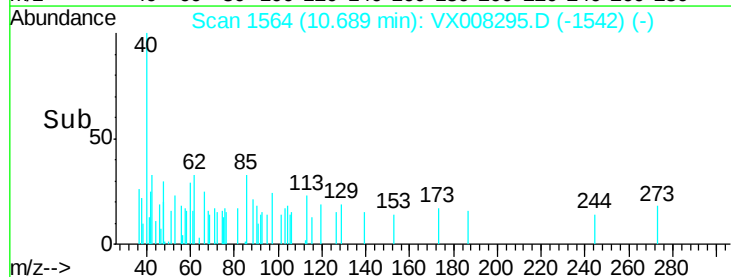
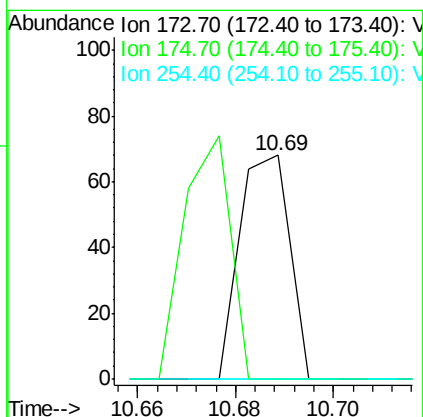
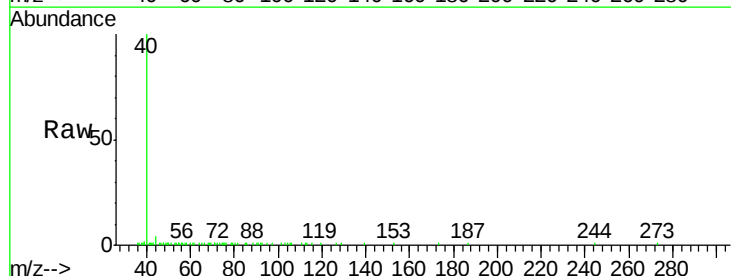
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW03-20190315

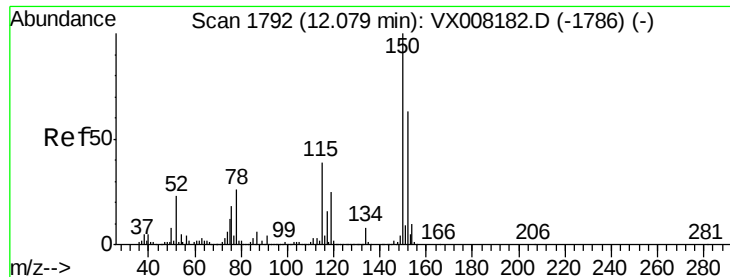
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	44.3	66.5
119	32.5	25.3	37.9



#71
Bromoform
Concen: 2.219 ug/l
RT: 10.69 min Scan# 1564
Delta R.T. -0.16 min
Lab File: VX008295.D
Acq: 21 Mar 2019 17:02

Tgt 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: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

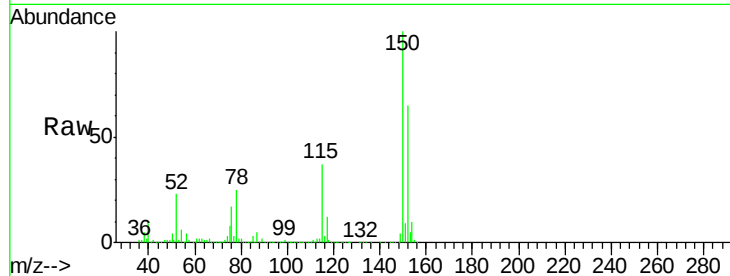
Tot Ion:152 Resp: 152748

Ion Ratio Lower Upper

152 100

115 59.2 38.6 115.7

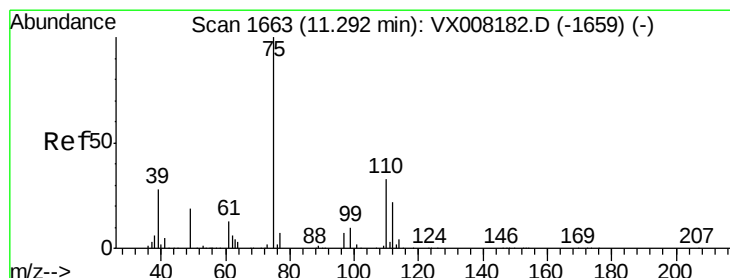
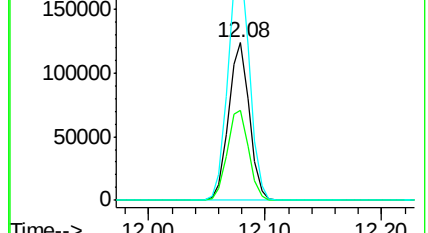
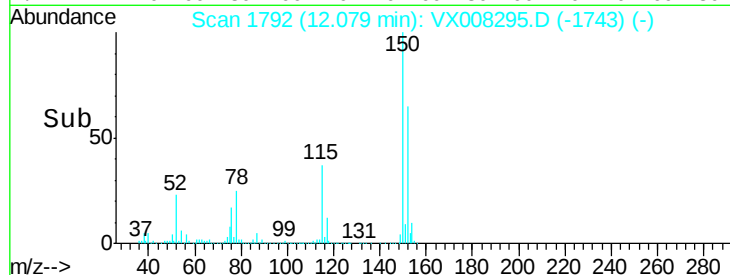
150 155.6 0.0 348.4



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: 21.084 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008295.D

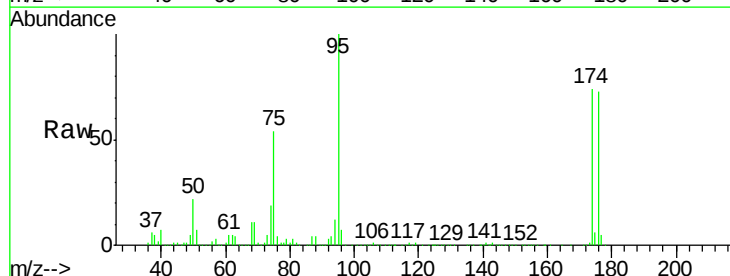
Acq: 21 Mar 2019 17:02

Tgt Ion: 75 Resp: 90580

Ion Ratio Lower Upper

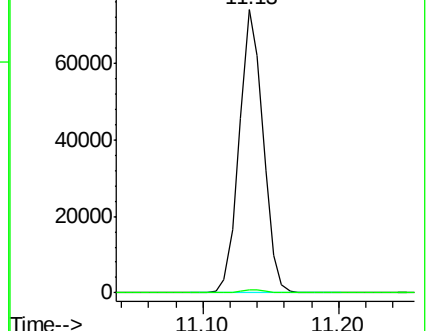
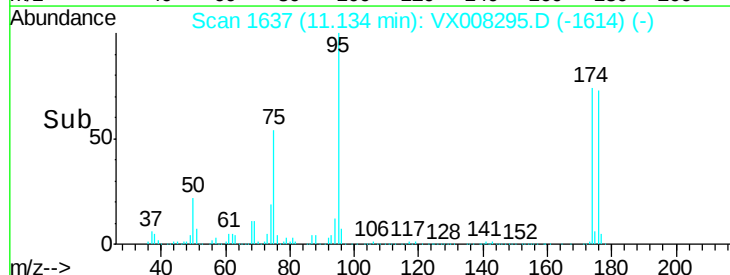
75 100

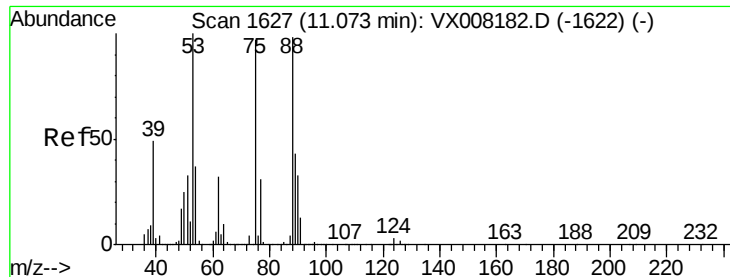
77 1.4 18.9 56.7#



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: 53.641 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

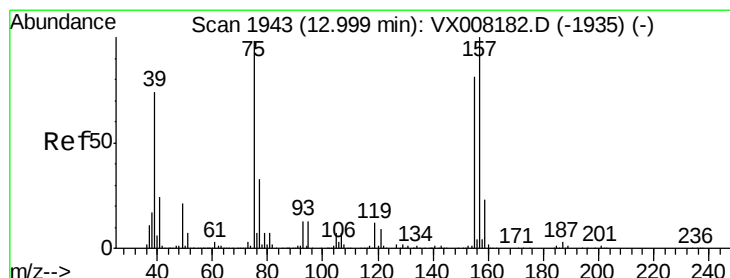
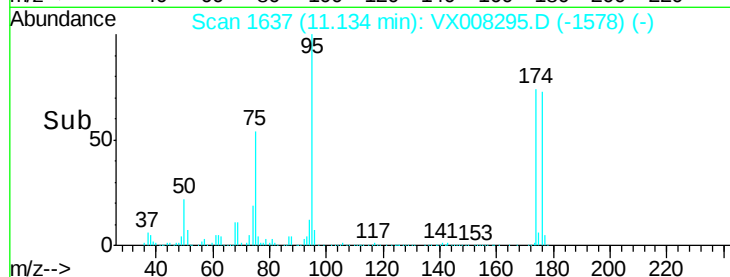
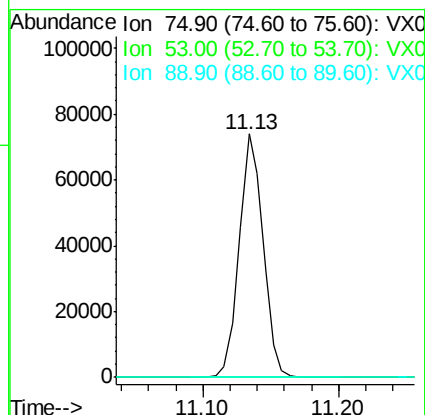
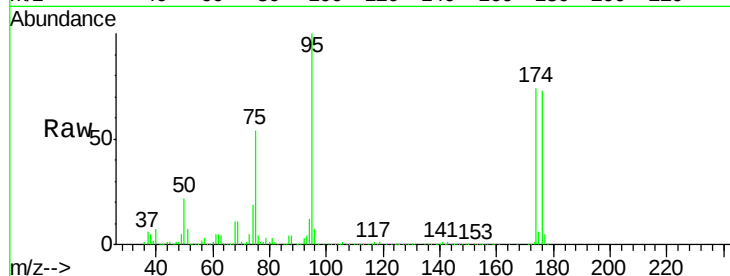
Tot Ion: 75 Resp: 90580

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.1 36.3 54.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.238 ug/l

RT: 13.04 min Scan# 1949

Delta R.T. 0.04 min

Lab File: VX008295.D

Acq: 21 Mar 2019 17:02

Tgt Ion: 75 Resp: 258

Ion Ratio Lower Upper

75 100

155 0.0 49.7 149.1#

157 20.2 63.8 191.4#

