

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008250.D
 Acq On : 20 Mar 2019 18:34
 Operator : JC/SP
 Sample : K1963-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 22 05:34:13 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	5.66	168	310363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	515228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	433367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176490	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	220135	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
35) Dibromofluoromethane	5.50	113	163293	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	8.71	98	631332	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	200612	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

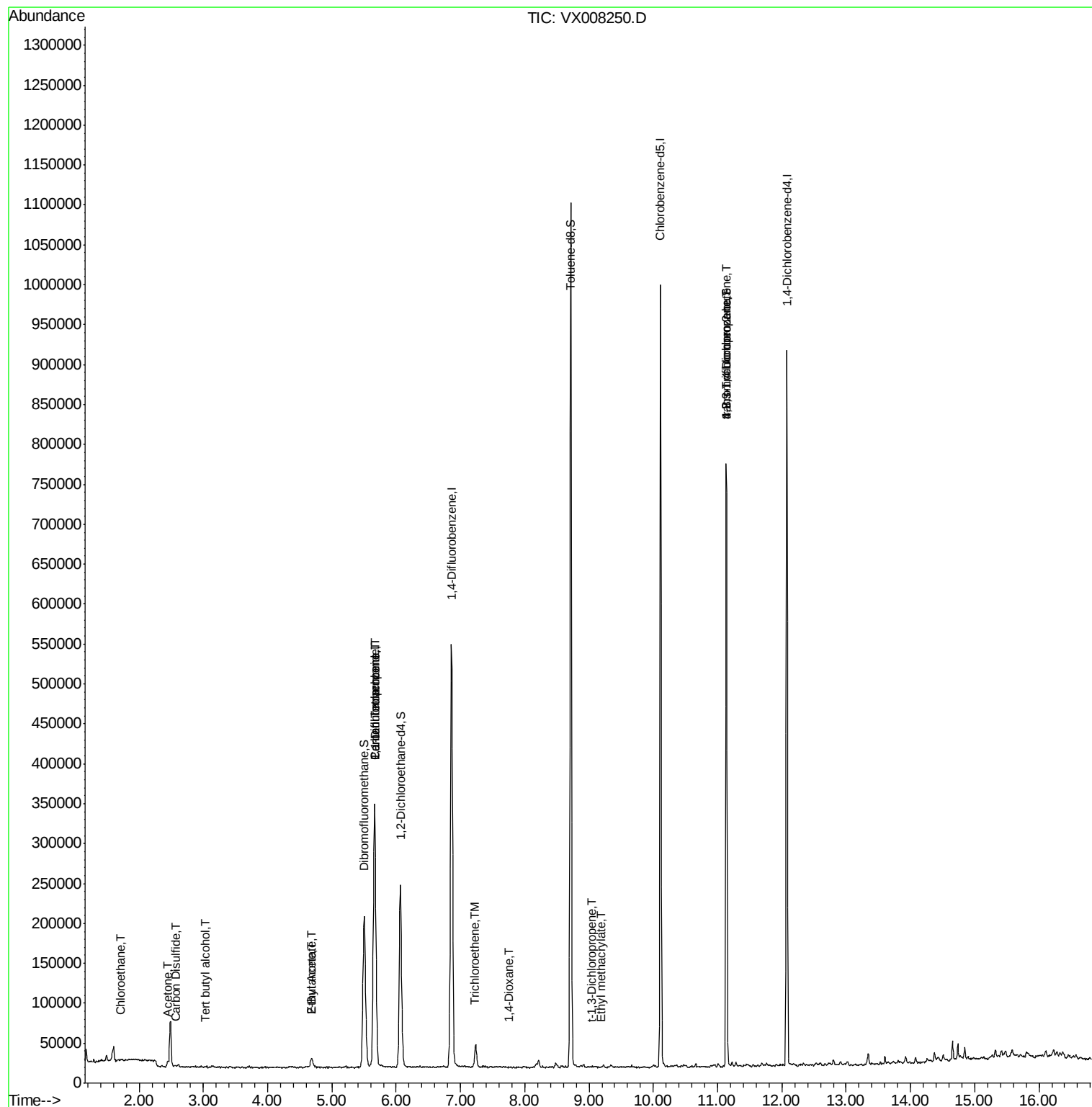
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	2101	0.712	ug/l #	43
11) Tert butyl alcohol	3.04	59	1352	1.351	ug/l #	94
13) Acrolein	2.32	56	139	Below Cal	#	1
16) Acetone	2.45	43	8558	3.228	ug/l #	80
17) Carbon Disulfide	2.57	76	1321	0.781	ug/l #	64
25) 2-Butanone	4.68	43	24268	6.201	ug/l	99
36) 1,1-Dichloropropene	5.66	75	26145	4.359	ug/l #	50
37) Ethyl Acetate	4.68	43	24268	3.422	ug/l #	69
38) Carbon Tetrachloride	5.66	117	30499	5.706	ug/l #	16
44) Trichloroethene	7.22	130	991	0.228	ug/l #	1
49) 1,4-Dioxane	7.74	88	157	1.472	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	244	1.455	ug/l #	70
56) Ethyl methacrylate	9.19	69	72	0.535	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	104290	21.009	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	104290	53.457	ug/l #	11

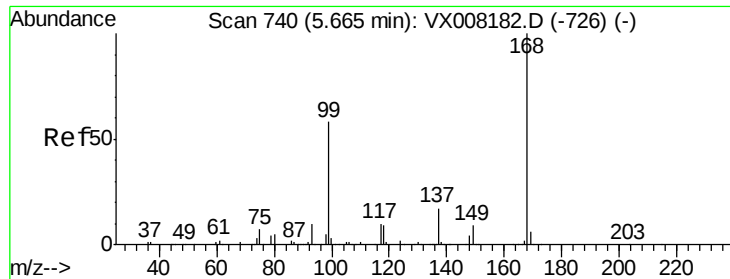
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
Data File : VX008250.D
Acq On : 20 Mar 2019 18:34
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW03-20190315

Quant Time: Mar 22 05:34:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

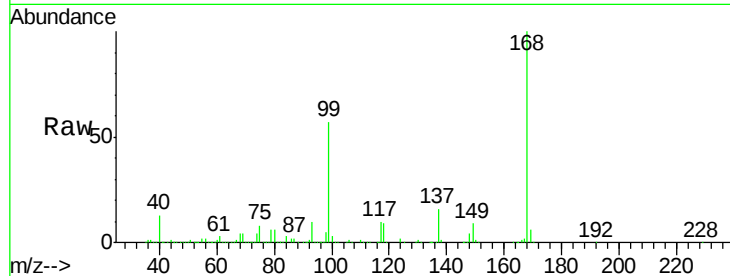
BP-TT-AOC22-MW03-20190315

Tot Ion:168 Resp: 310363

Ion Ratio Lower Upper

168 100

99 57.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

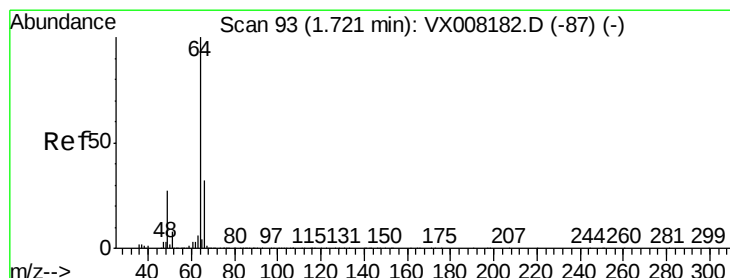
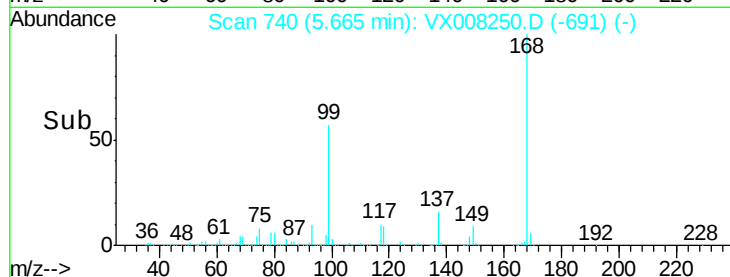
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.712 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008250.D

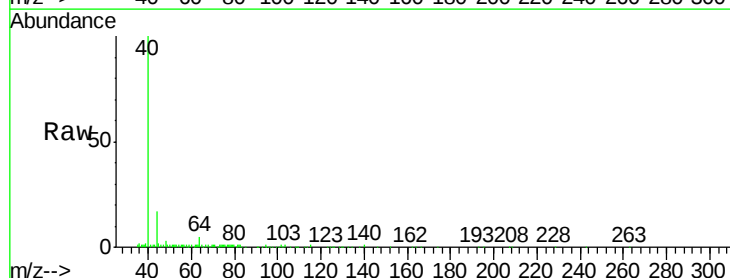
Acq: 20 Mar 2019 18:34

Tgt Ion: 64 Resp: 2101

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

1200

1000

800

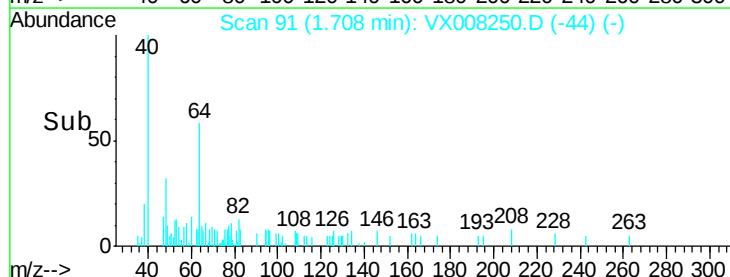
600

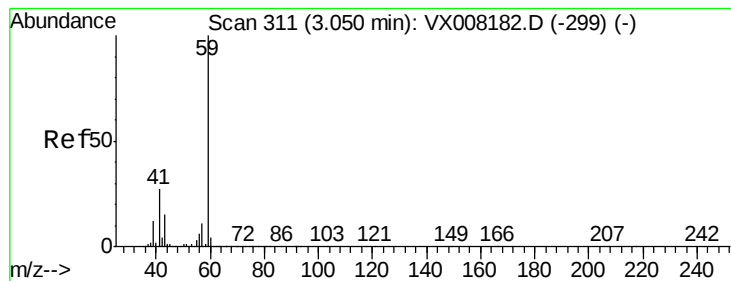
400

200

0

Time--> 1.60 1.65 1.70 1.75



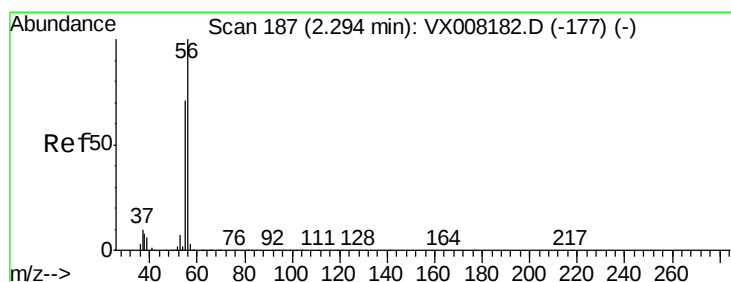
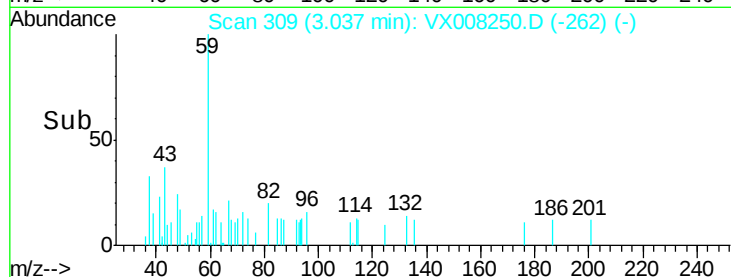
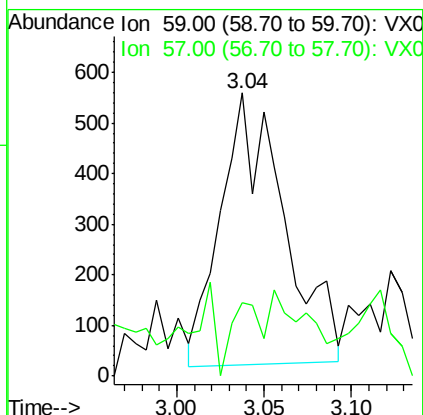
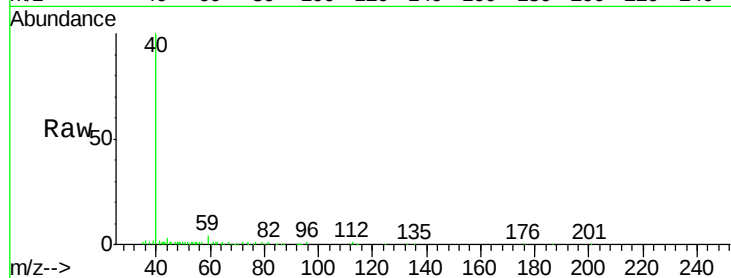


#11

Tert butyl alcohol
Concen: 1.351 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008250.D
Acq: 20 Mar 2019 18:34

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

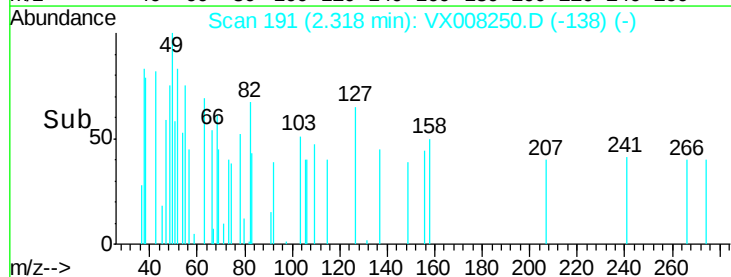
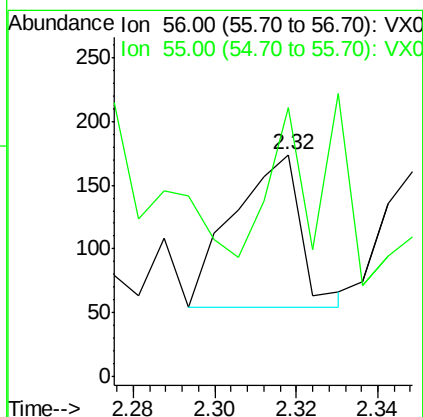
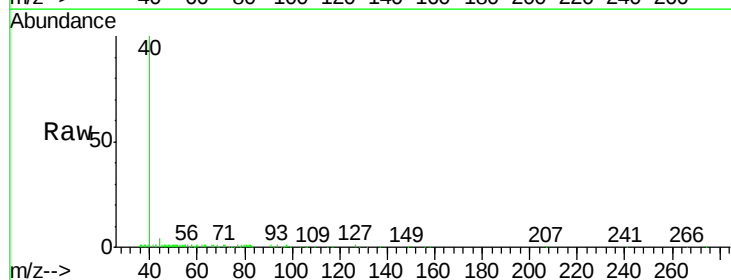
Tot Ion: 59 Resp: 1352
Ion Ratio Lower Upper
59 100
57 12.5 8.2 12.2#

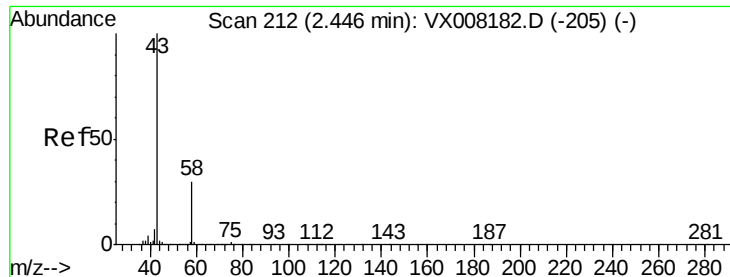


#13

Acrolein
Concen: Below Cal
RT: 2.32 min Scan# 191
Delta R.T. 0.03 min
Lab File: VX008250.D
Acq: 20 Mar 2019 18:34

Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 219.4 57.8 86.6#





#16

Acetone

Concen: 3.228 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

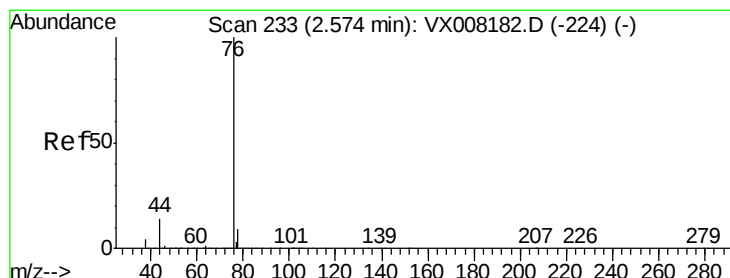
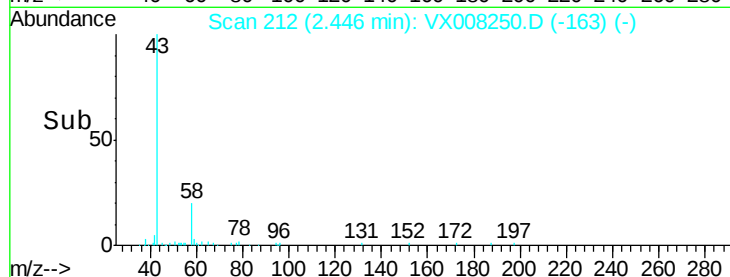
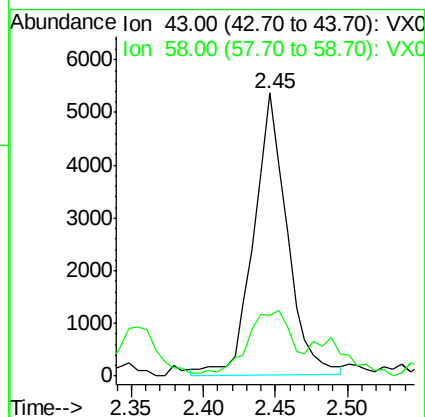
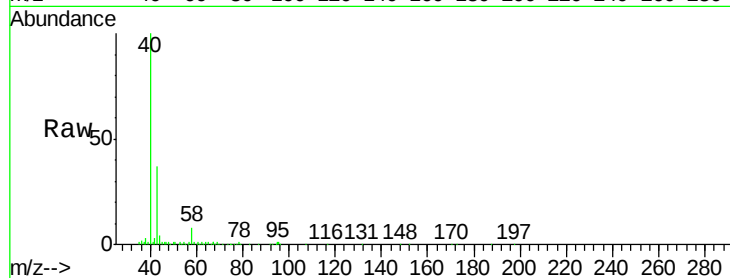
BP-TT-AOC22-MW03-20190315

Tot Ion: 43 Resp: 8558

Ion Ratio Lower Upper

43 100

58 20.7 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.781 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008250.D

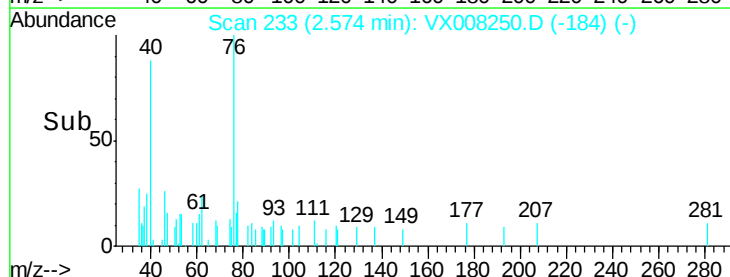
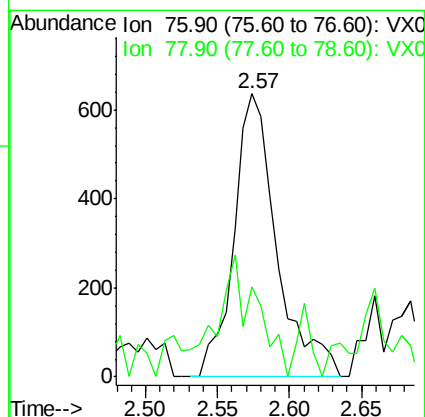
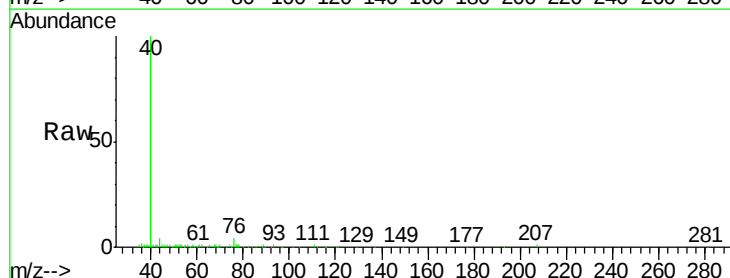
Acq: 20 Mar 2019 18:34

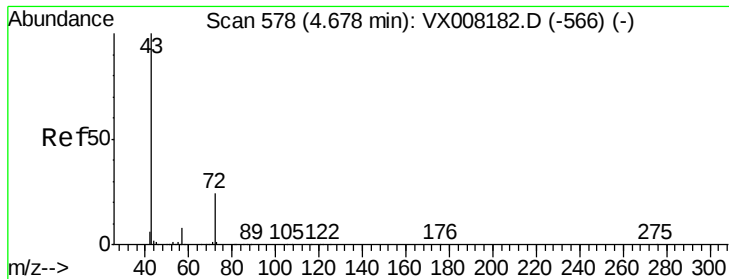
Tgt Ion: 76 Resp: 1321

Ion Ratio Lower Upper

76 100

78 22.0 7.2 10.8#





#25

2-Butanone

Concen: 6.201 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

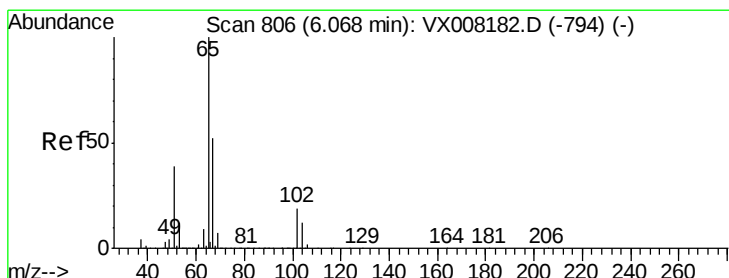
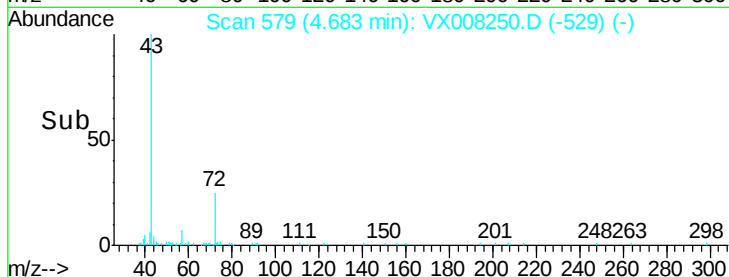
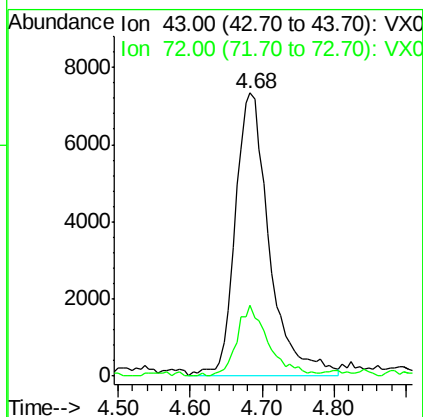
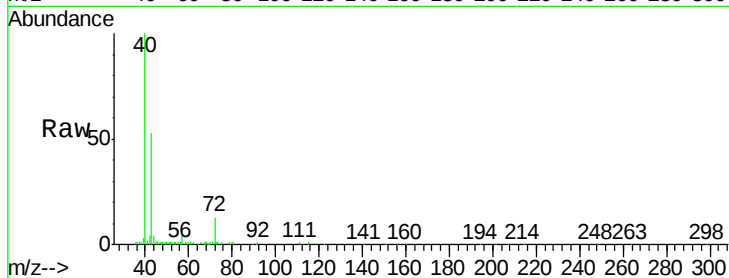
BP-TT-AOC22-MW03-20190315

Tot Ion: 43 Resp: 24268

Ion Ratio Lower Upper

43 100

72 25.2 19.9 29.9



#33

1,2-Dichloroethane-d4

Concen: 47.094 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008250.D

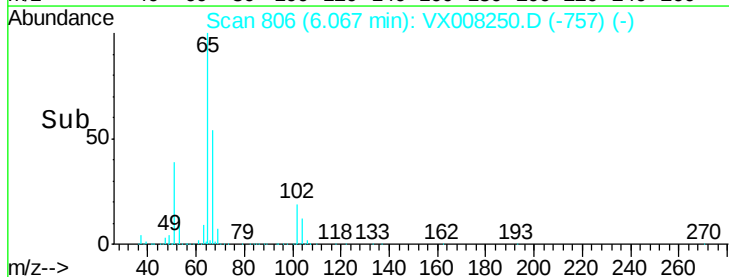
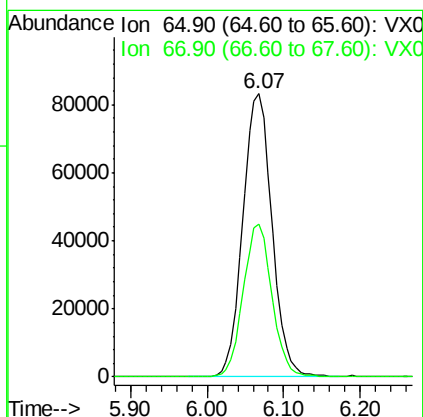
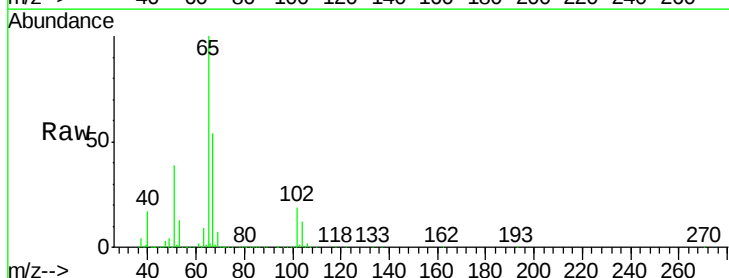
Acq: 20 Mar 2019 18:34

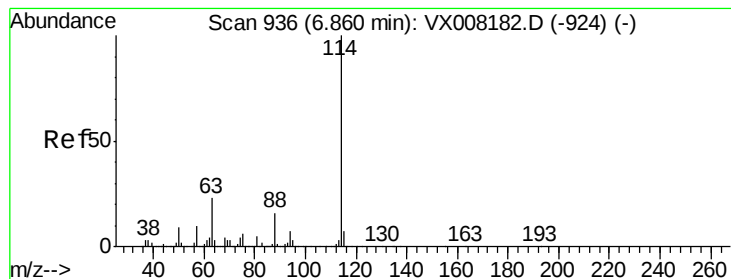
Tgt Ion: 65 Resp: 220135

Ion Ratio Lower Upper

65 100

67 53.3 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: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

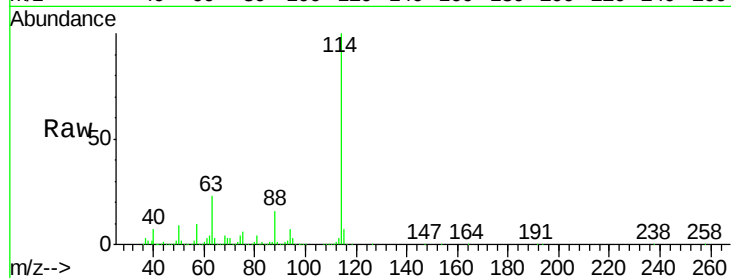
Tot Ion:114 Resp: 515228

Ion Ratio Lower Upper

114 100

63 23.2 0.0 39.8

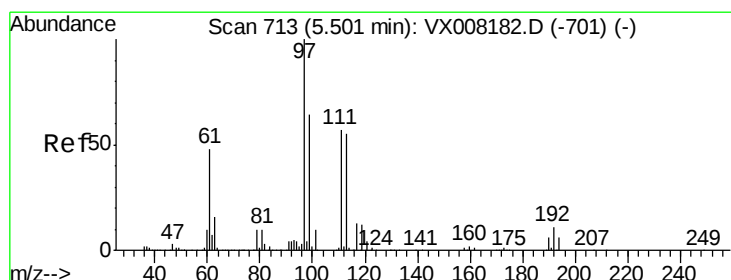
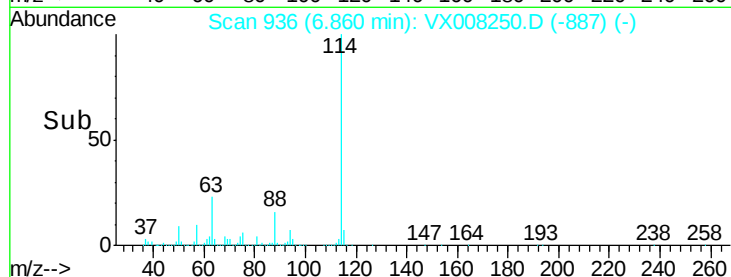
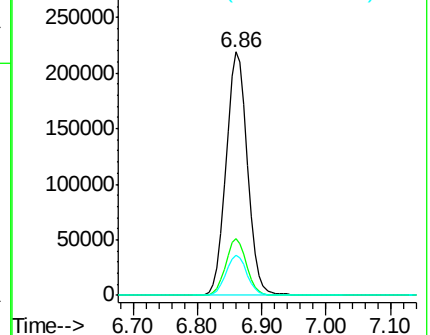
88 16.5 0.0 31.4



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: 47.344 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

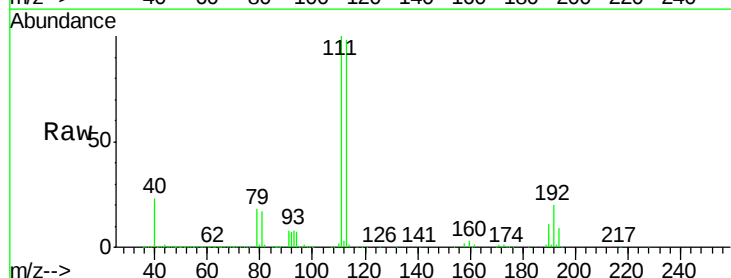
Tgt Ion:113 Resp: 163293

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

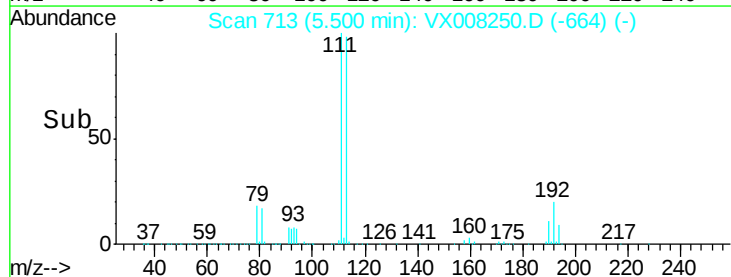
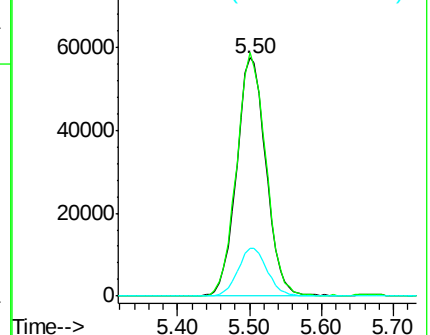
192 20.0 19.4 29.0

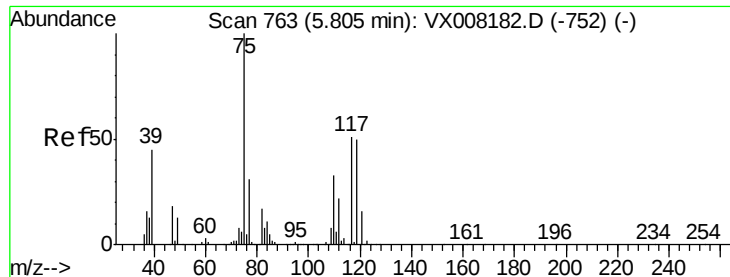


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.359 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

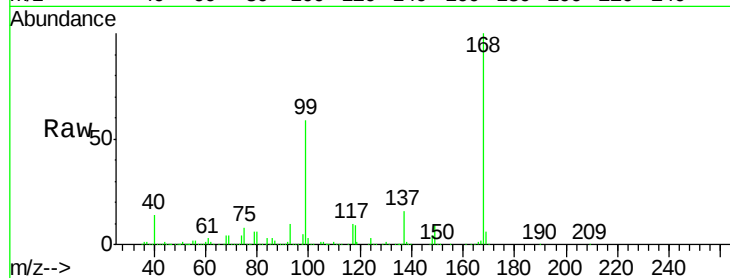
Tot Ion: 75 Resp: 26145

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

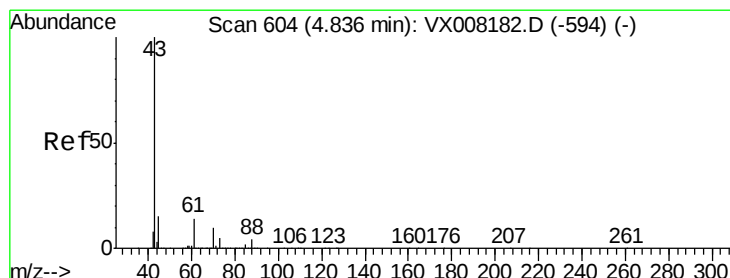
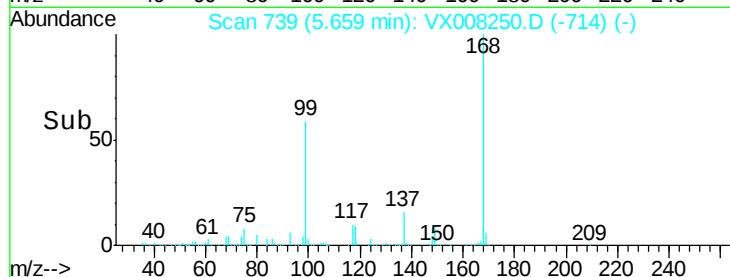
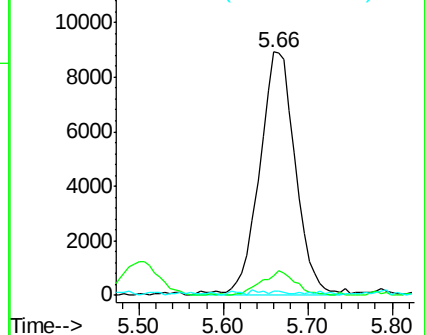
77 0.8 25.0 37.4#



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



#37

Ethyl Acetate

Concen: 3.422 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.15 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

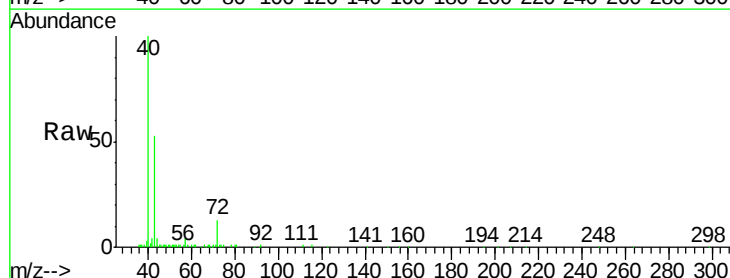
Tgt Ion: 43 Resp: 24268

Ion Ratio Lower Upper

43 100

61 0.2 11.3 16.9#

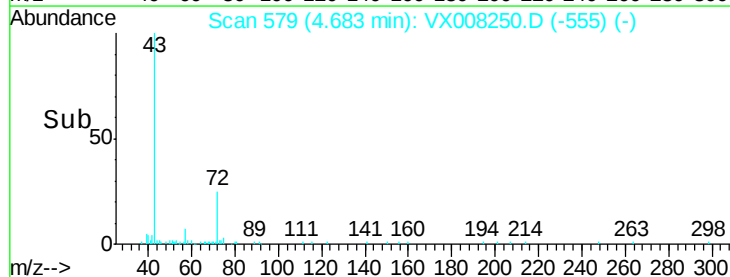
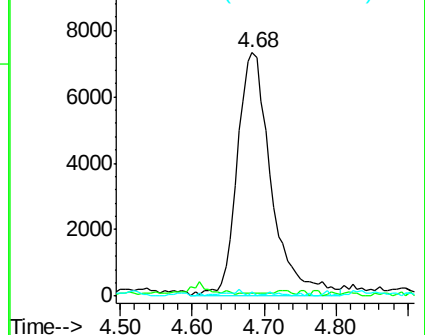
70 0.2 8.5 12.7#

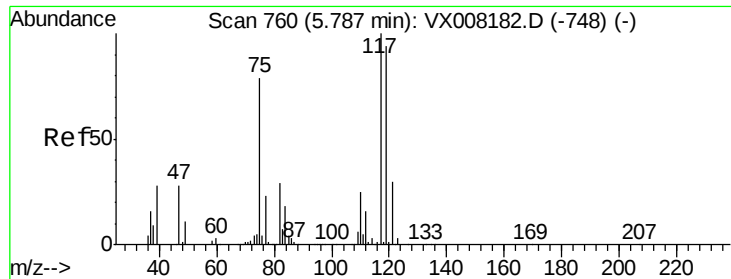


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.706 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

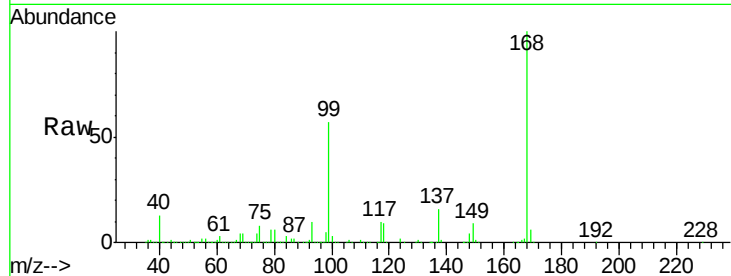
Tot Ion:117 Resp: 30499

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

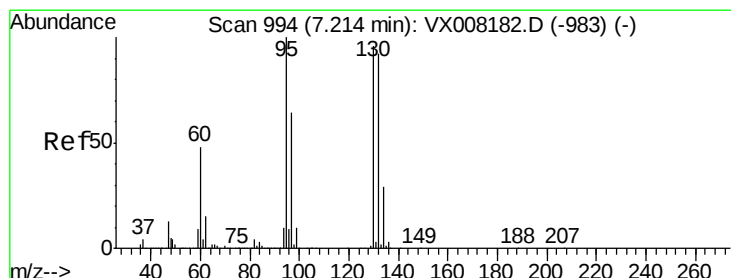
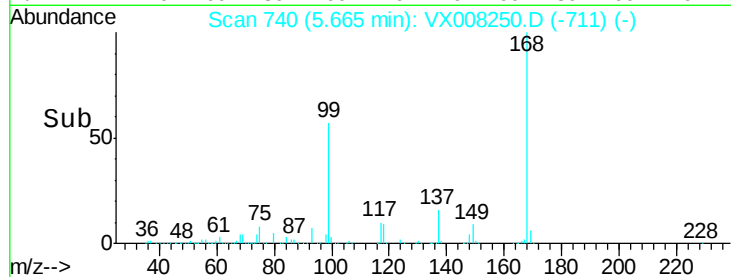
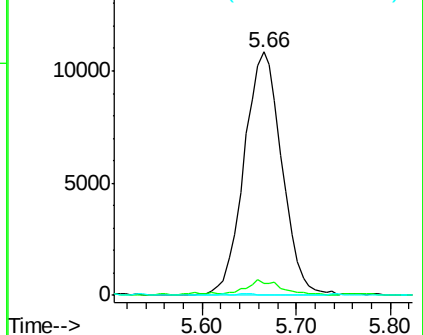
121 0.0 24.6 36.8#



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: 0.228 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008250.D

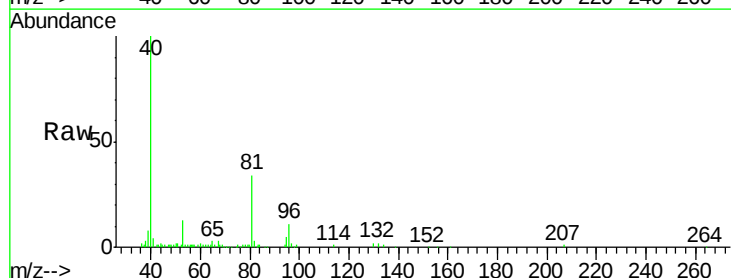
Acq: 20 Mar 2019 18:34

Tgt Ion:130 Resp: 991

Ion Ratio Lower Upper

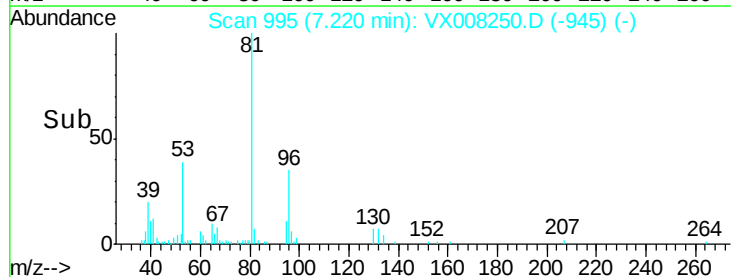
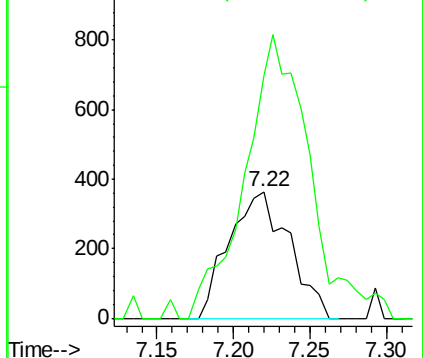
130 100

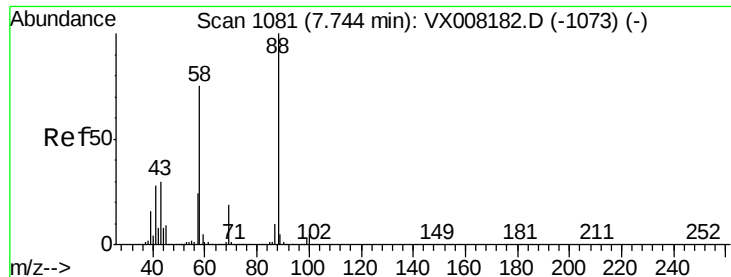
95 191.5 0.0 188.0#



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.472 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

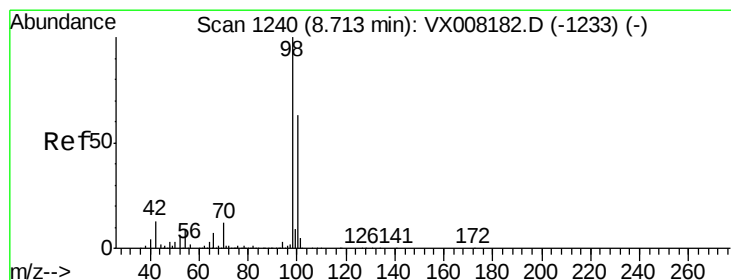
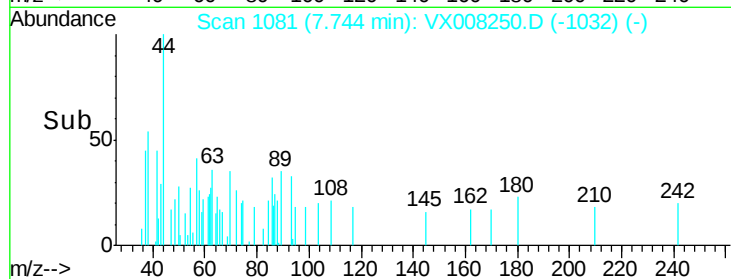
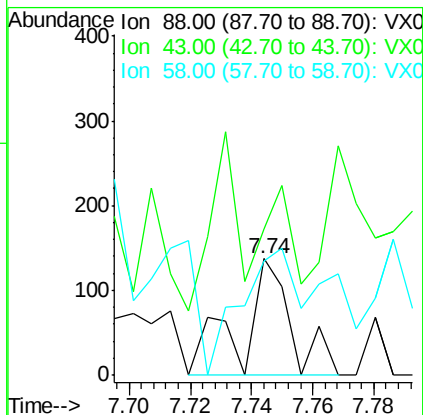
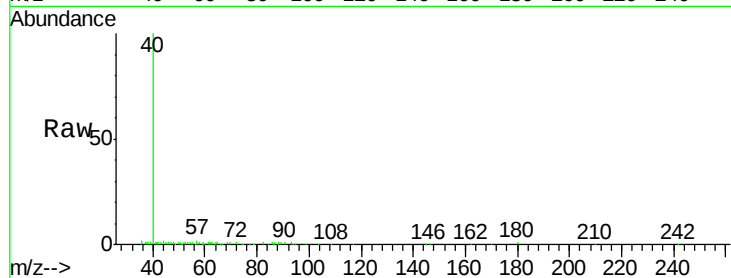
Tot Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 100.6 25.1 37.7#

58 187.9 57.8 86.6#



#50

Toluene-d8

Concen: 48.279 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008250.D

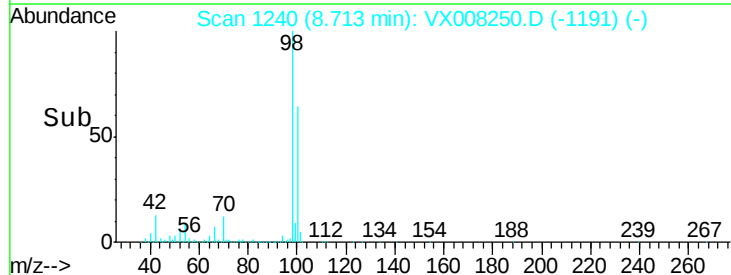
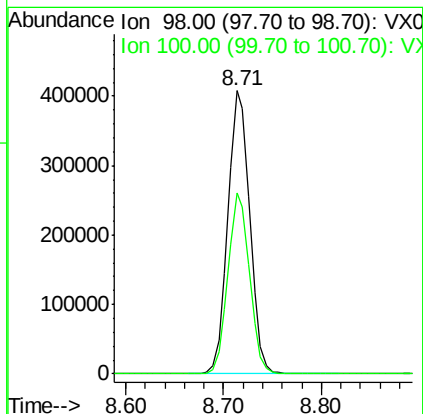
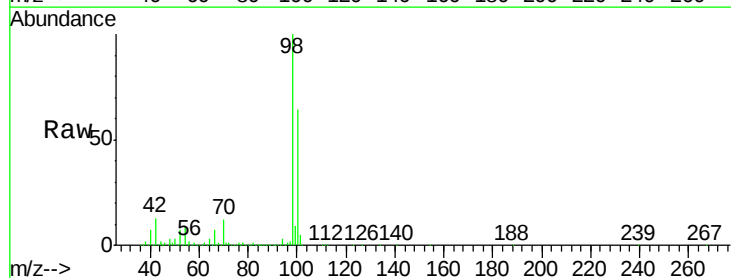
Acq: 20 Mar 2019 18:34

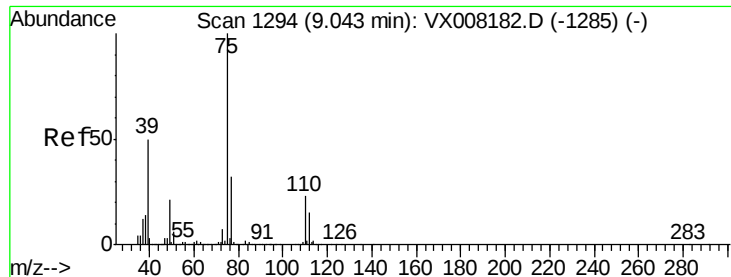
Tgt Ion: 98 Resp: 631332

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.455 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

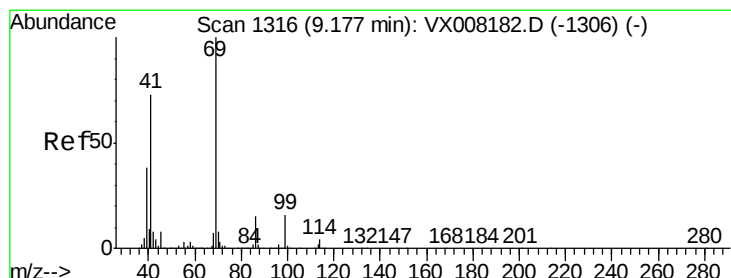
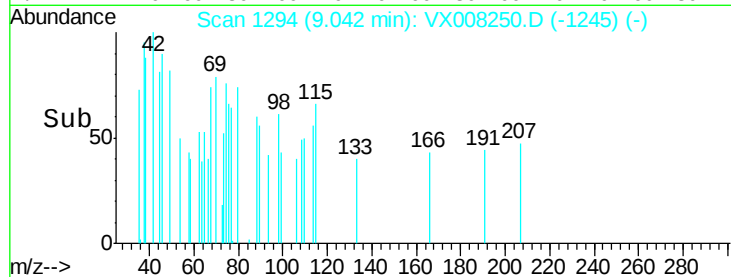
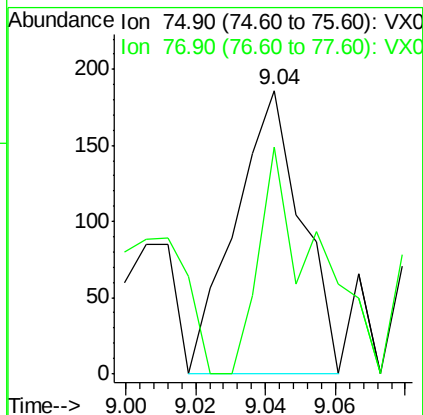
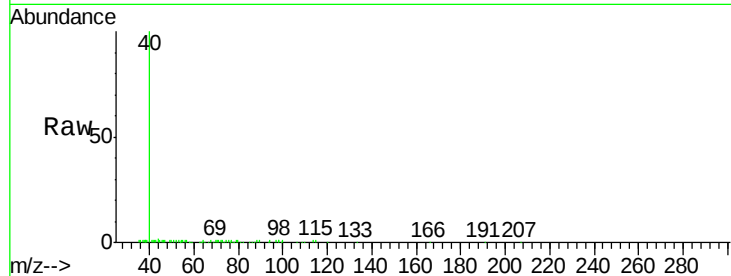
BP-TT-AOC22-MW03-20190315

Tot Ion: 75 Resp: 244

Ion Ratio Lower Upper

75 100

77 48.4 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.535 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

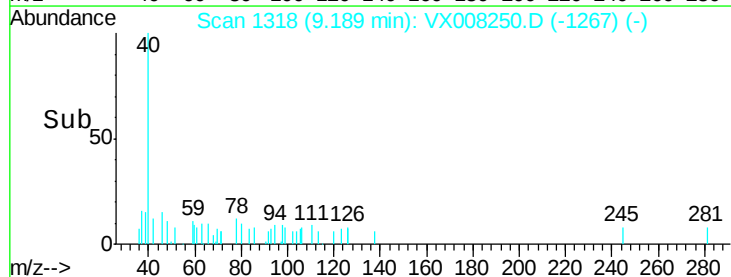
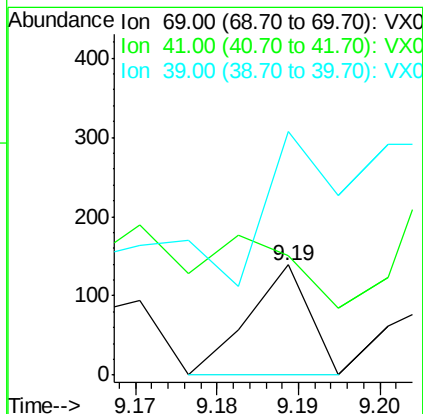
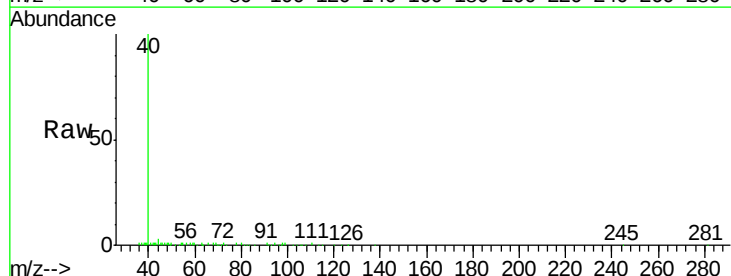
Tgt Ion: 69 Resp: 72

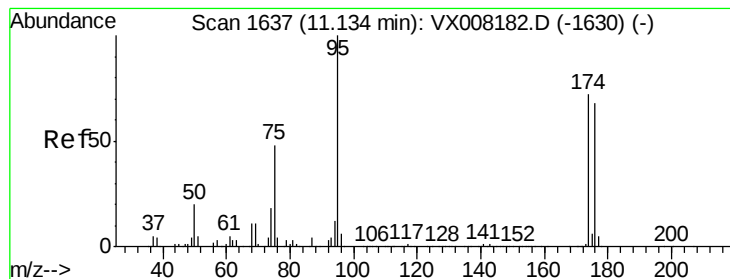
Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 488.9 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.555 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

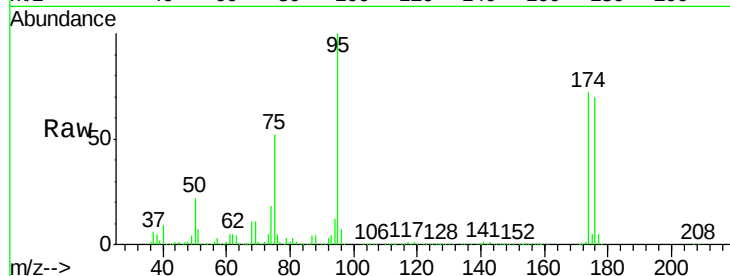
Tot Ion: 95 Resp: 200612

Ion Ratio Lower Upper

95 100

174 78.0 0.0 182.8

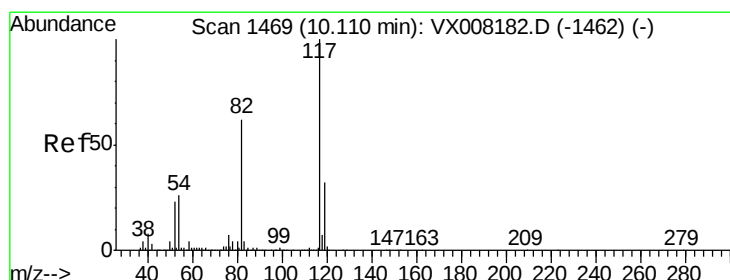
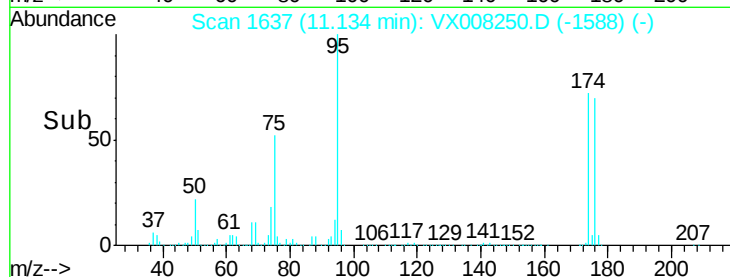
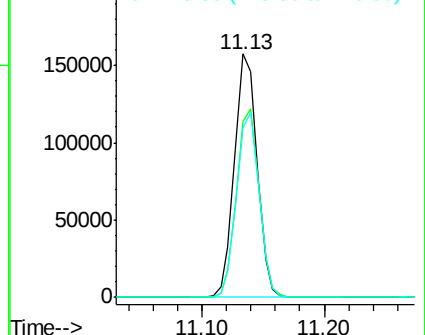
176 76.0 0.0 178.0



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

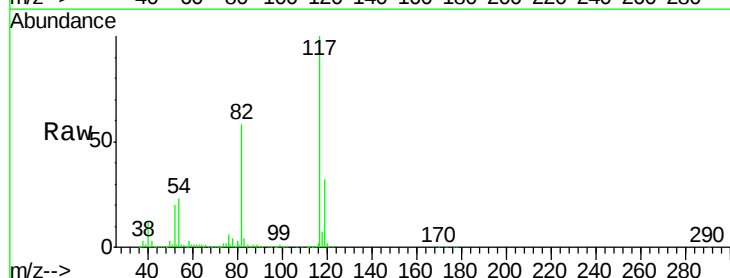
Tgt Ion: 117 Resp: 433367

Ion Ratio Lower Upper

117 100

82 57.8 44.3 66.5

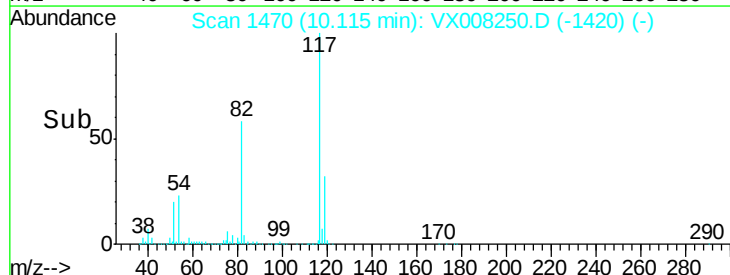
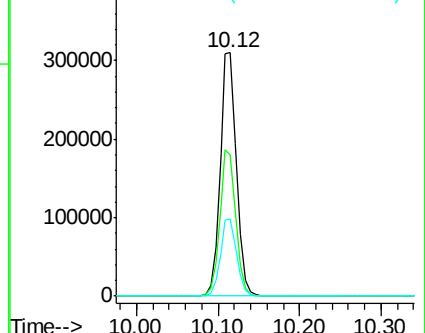
119 31.6 25.3 37.9

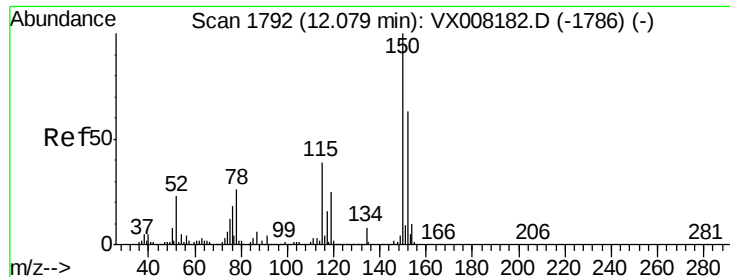


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

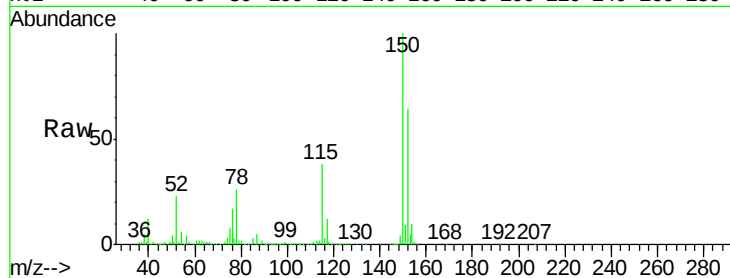
Tot Ion:152 Resp: 176490

Ion Ratio Lower Upper

152 100

115 59.9 38.6 115.7

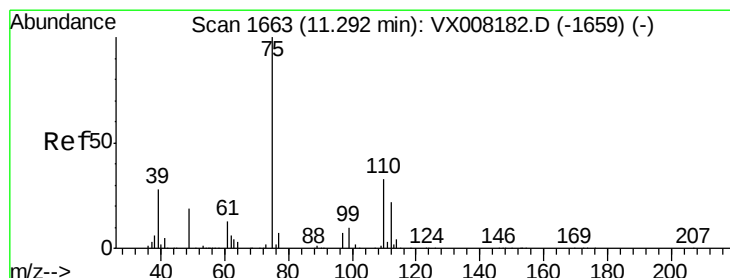
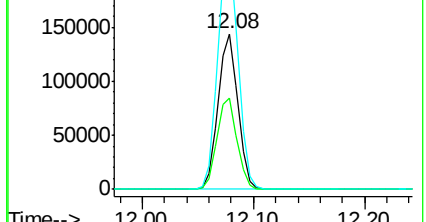
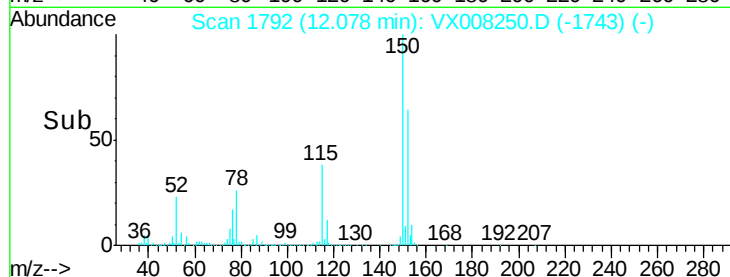
150 157.8 0.0 348.4



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: 21.009 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008250.D

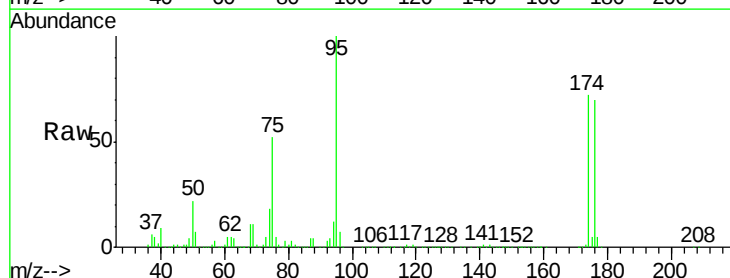
Acq: 20 Mar 2019 18:34

Tgt Ion: 75 Resp: 104290

Ion Ratio Lower Upper

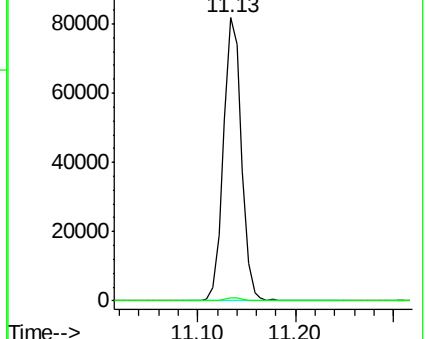
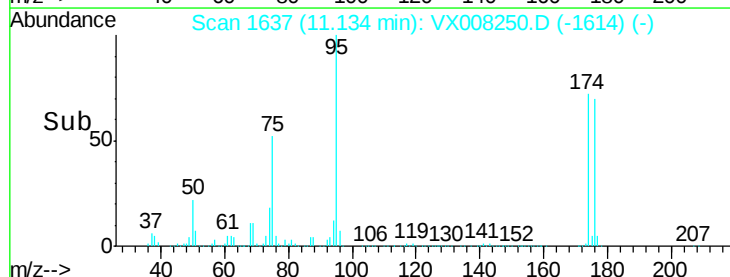
75 100

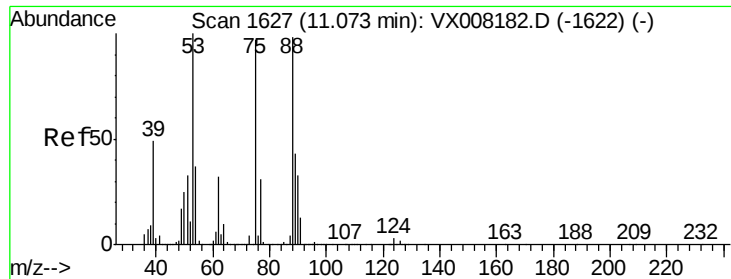
77 1.4 18.9 56.7#



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: 53.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008250.D

Acq: 20 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW03-20190315

Tot Ion: 75 Resp: 104290

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

