

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008252.D
 Acq On : 20 Mar 2019 19:24
 Operator : JC/SP
 Sample : K1963-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20190315

Quant Time: Mar 22 05:34:46 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	328654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	540375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	452303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183341	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	229485	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	5.50	113	169340	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	8.71	98	661827	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	210094	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

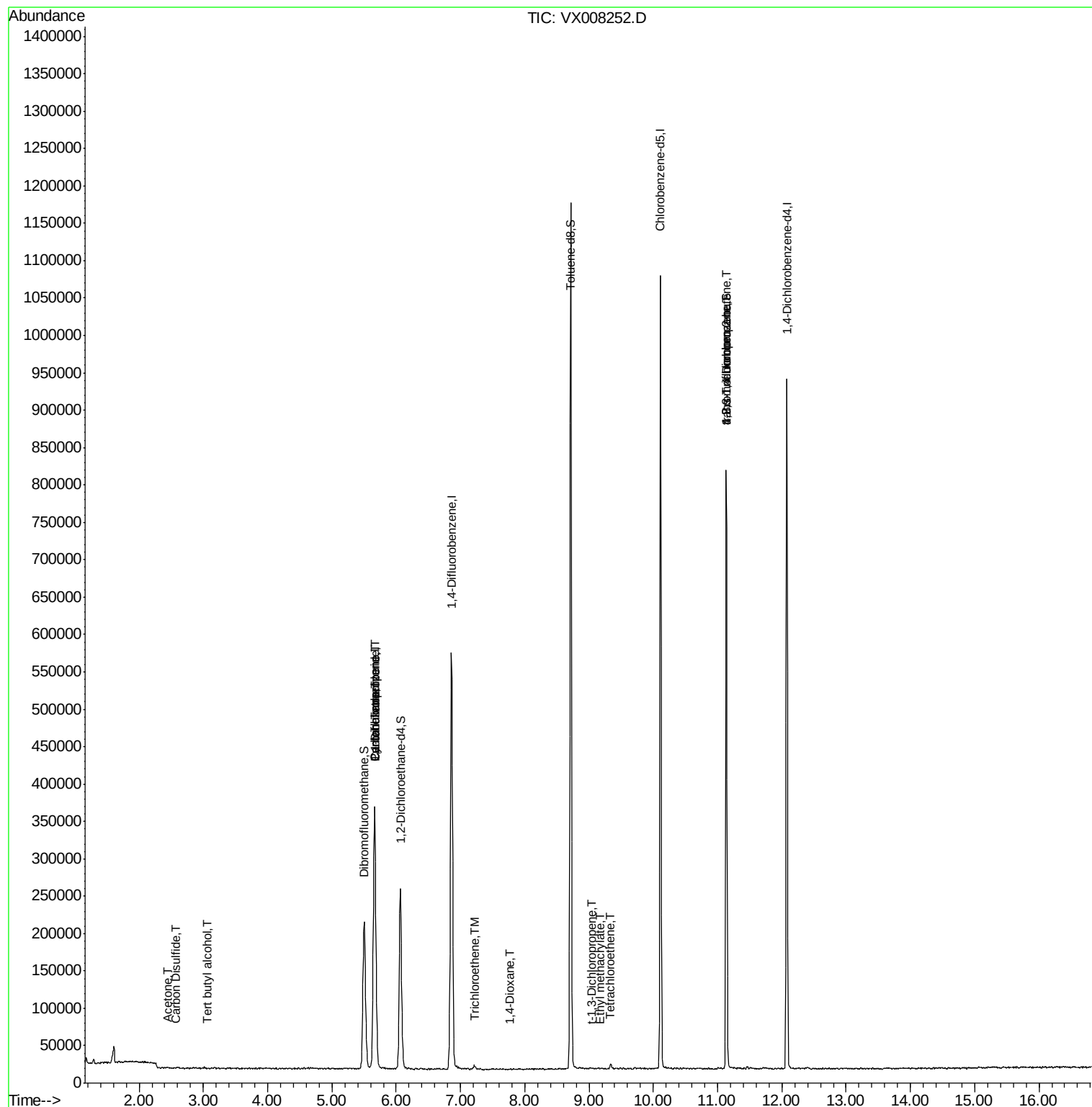
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	235	0.222	ug/l #	1
13) Acrolein	2.30	56	61	Below Cal	#	1
16) Acetone	2.45	43	1278	0.455	ug/l #	56
17) Carbon Disulfide	2.57	76	842	0.739	ug/l #	25
31) Cyclohexane	5.67	56	7889	0.961	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	27589	4.385	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32934	5.875	ug/l #	16
44) Trichloroethene	7.21	130	1732	0.380	ug/l	97
49) 1,4-Dioxane	7.76	88	53	0.474	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	125	1.438	ug/l #	75
56) Ethyl methacrylate	9.16	69	119	0.541	ug/l #	1
64) Tetrachloroethene	9.34	164	1269	0.311	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	110775	21.482	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	110775	54.627	ug/l #	12

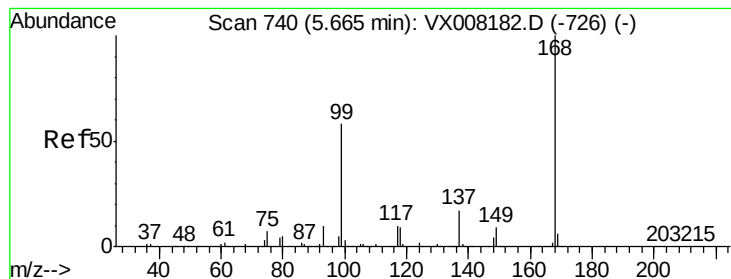
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
Data File : VX008252.D
Acq On : 20 Mar 2019 19:24
Operator : JC/SP
Sample : K1963-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20190315

Quant Time: Mar 22 05:34:46 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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

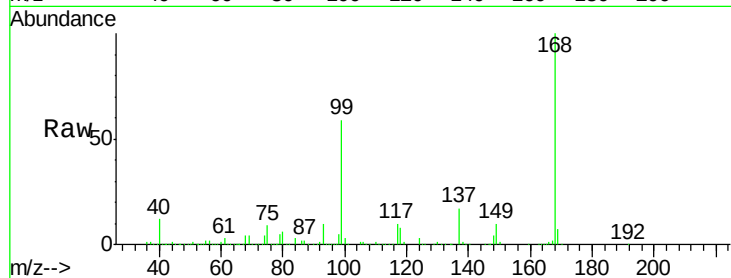
BP-DUP04-20190315

Tot Ion:168 Resp: 328654

Ion Ratio Lower Upper

168 100

99 59.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

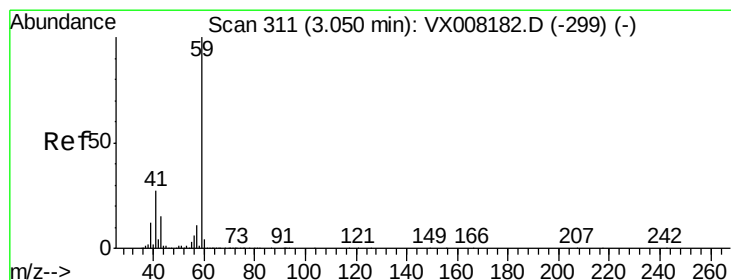
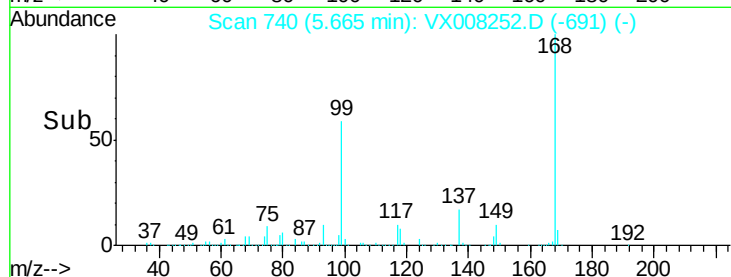
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 3.06 min Scan# 313

Delta R.T. 0.01 min

Lab File: VX008252.D

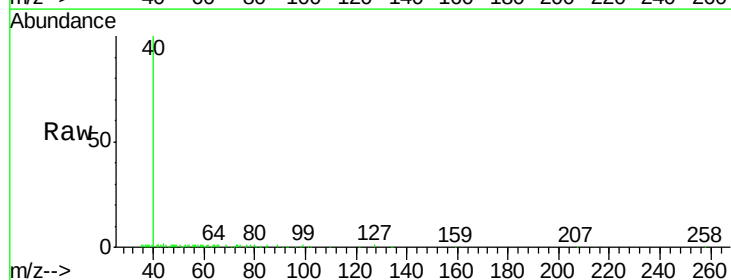
Acq: 20 Mar 2019 19:24

Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

59 100

57 72.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300

250

200

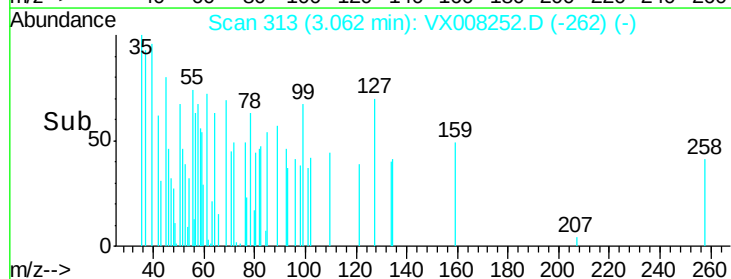
150

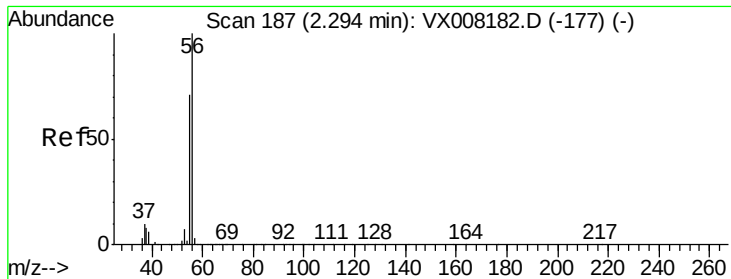
100

50

0

Time--> 3.04 3.06 3.08





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

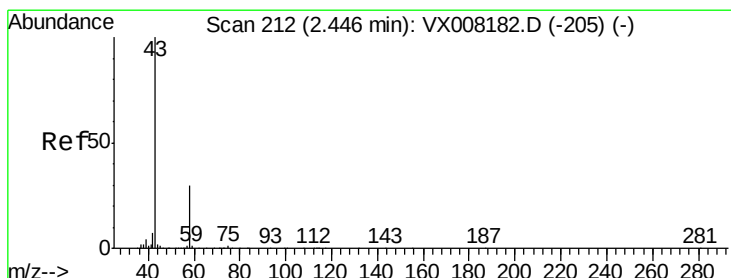
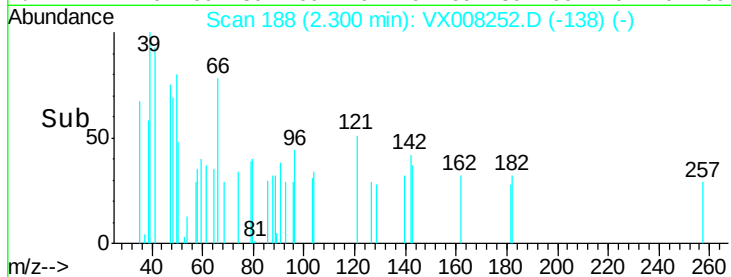
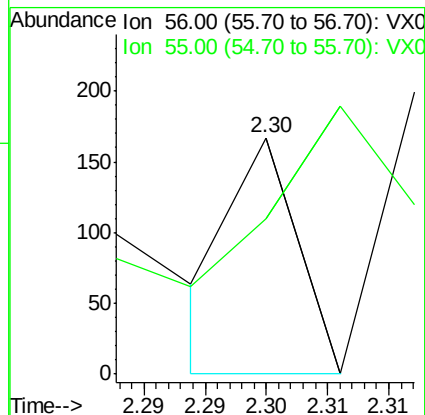
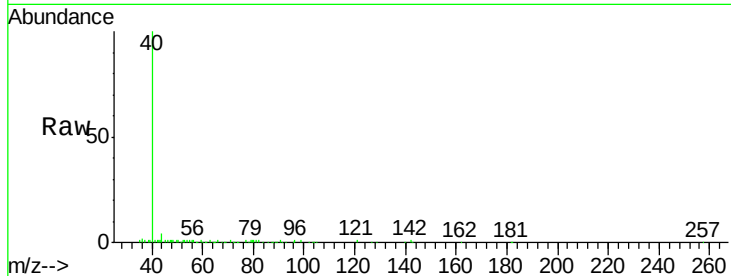
BP-DUP04-20190315

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 523.0 57.8 86.6#



#16

Acetone

Concen: 0.455 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008252.D

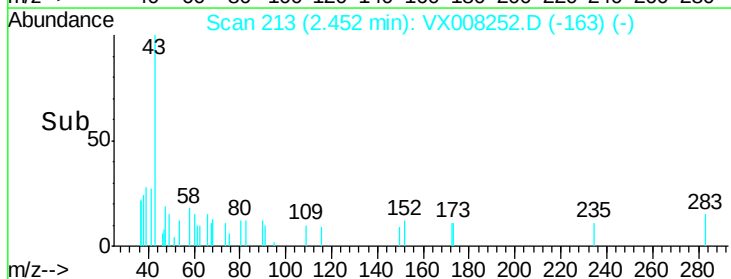
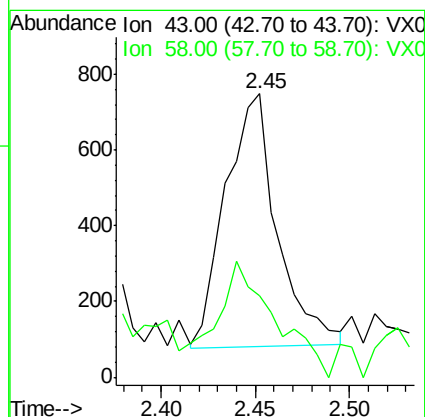
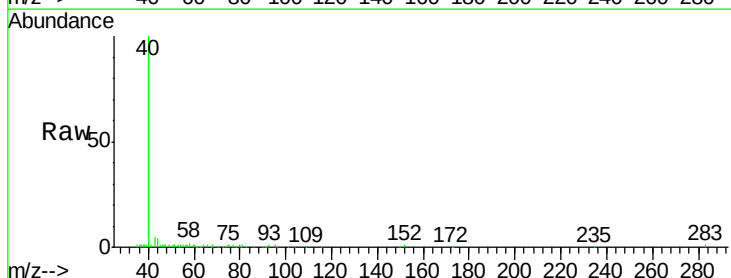
Acq: 20 Mar 2019 19:24

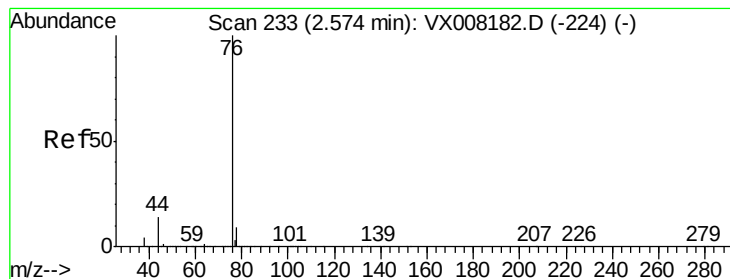
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

58 7.4 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.739 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

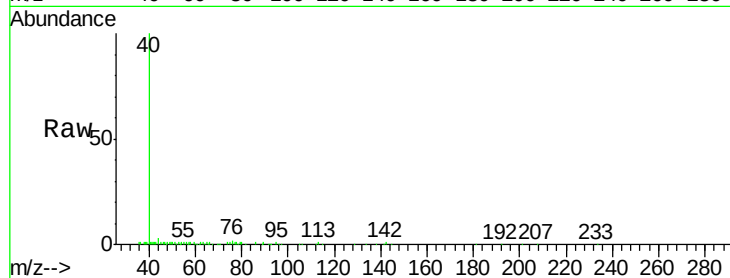
BP-DUP04-20190315

Tot Ion: 76 Resp: 842

Ion Ratio Lower Upper

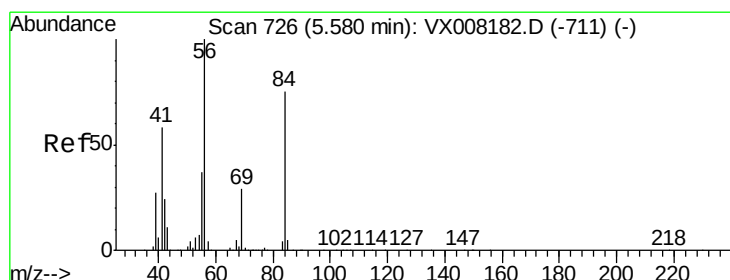
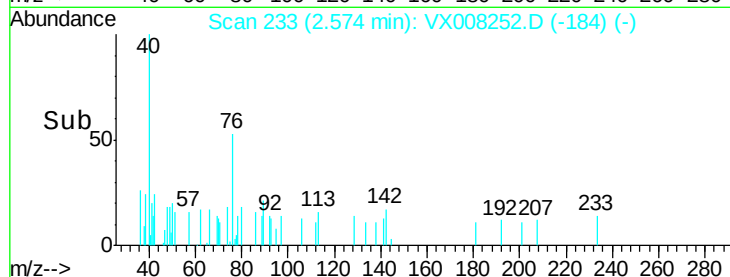
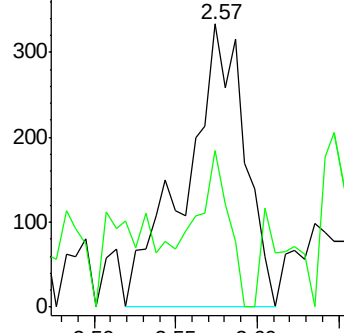
76 100

78 36.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#31

Cyclohexane

Concen: 0.961 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

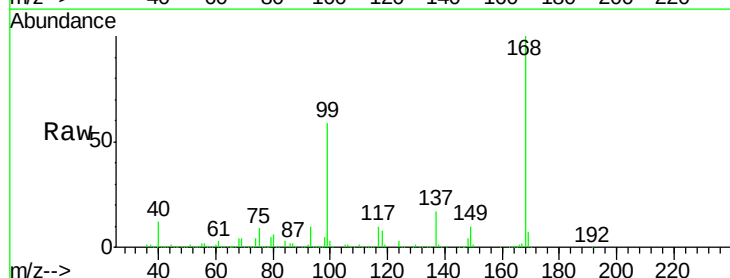
Tgt Ion: 56 Resp: 7889

Ion Ratio Lower Upper

56 100

69 169.8 24.0 36.0#

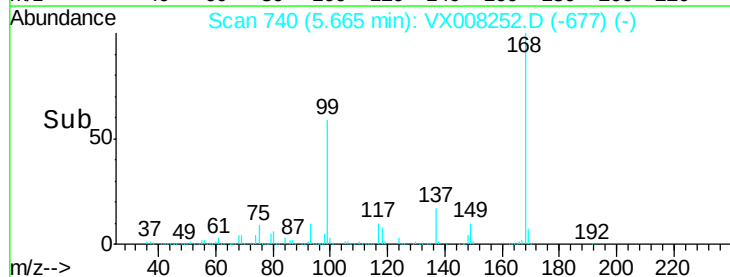
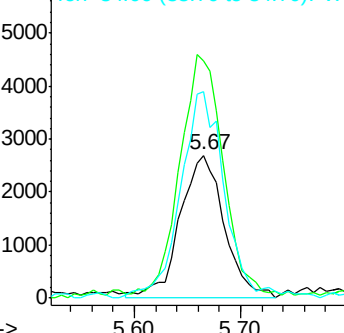
84 147.8 65.3 97.9#

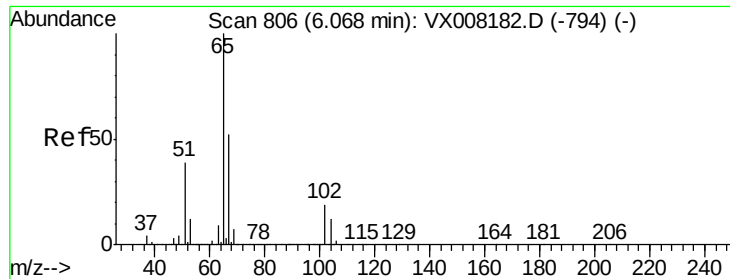


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

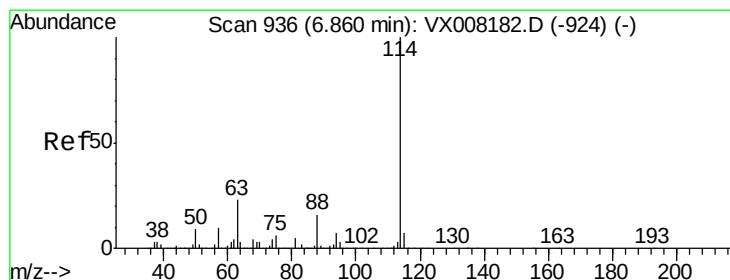
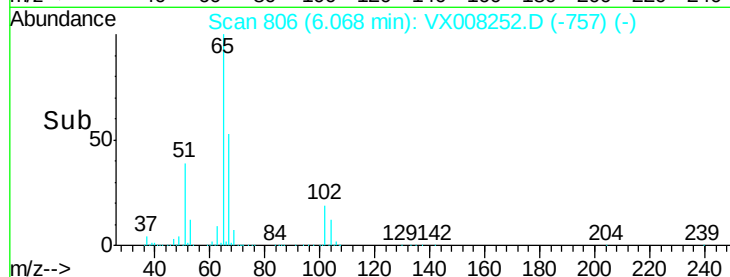
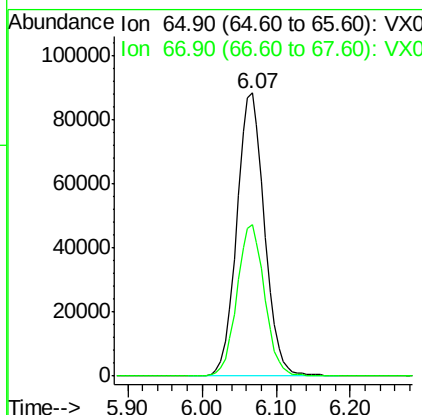
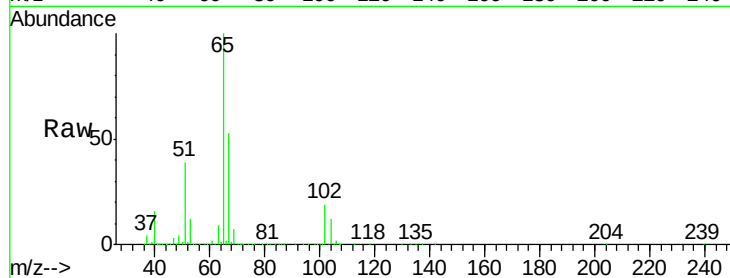




#33
 1,2-Dichloroethane-d4
 Concen: 46.362 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008252.D
 Acq: 20 Mar 2019 19:24

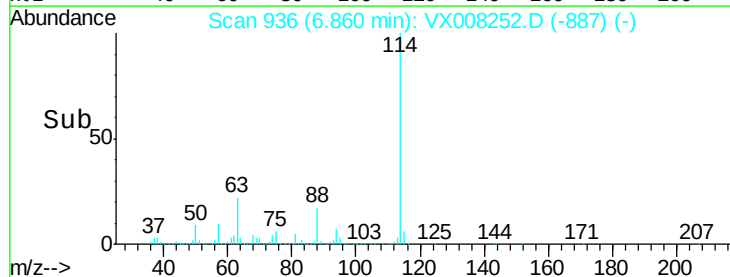
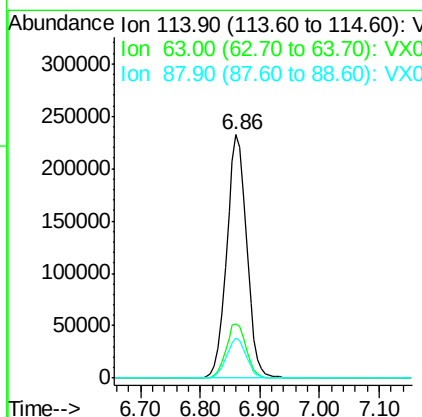
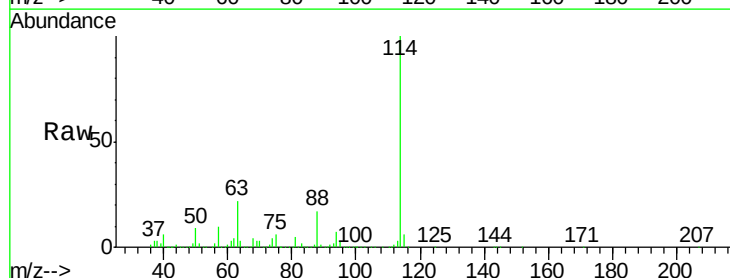
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20190315

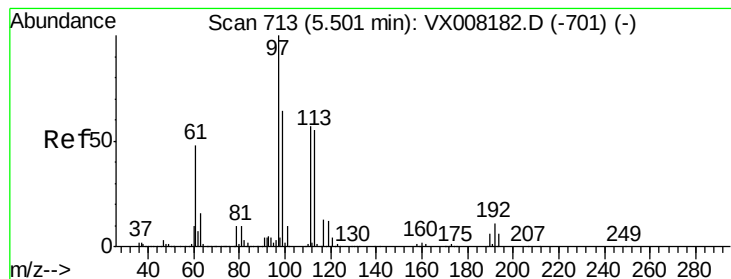
Tot Ion: 65 Resp: 229485
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008252.D
 Acq: 20 Mar 2019 19:24

Tgt Ion: 114 Resp: 540375
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 39.8
 88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.812 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20190315

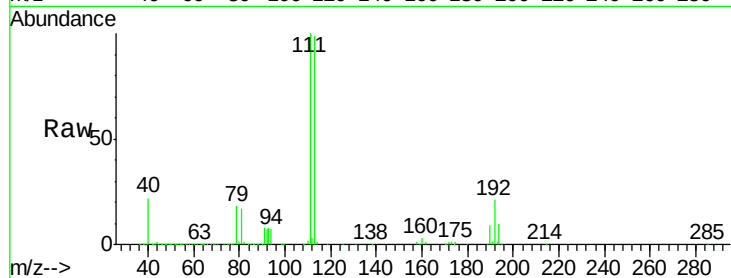
Tot Ion:113 Resp: 169340

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

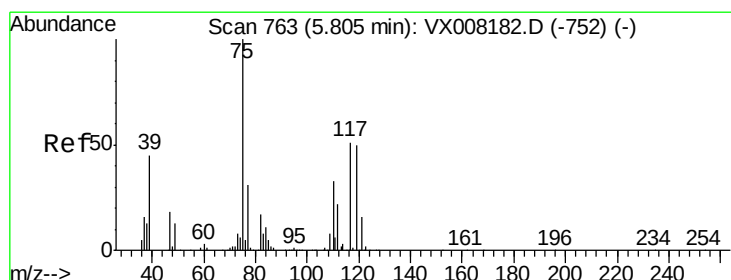
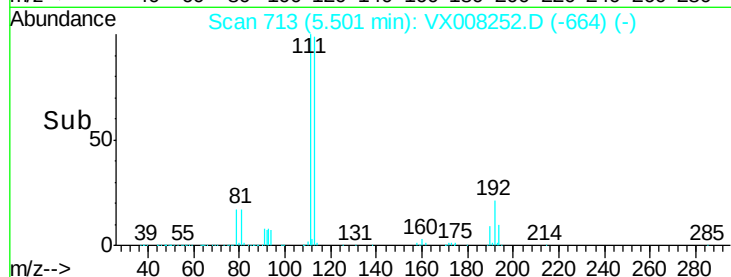
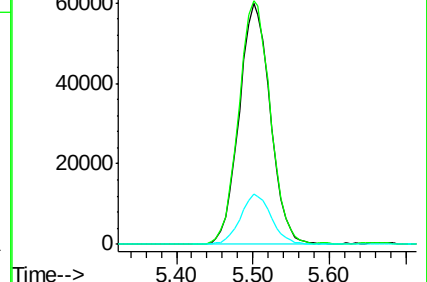
192 20.6 19.4 29.0



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: 4.385 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

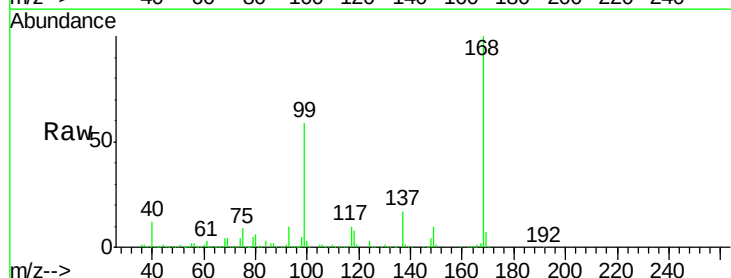
Tgt Ion: 75 Resp: 27589

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

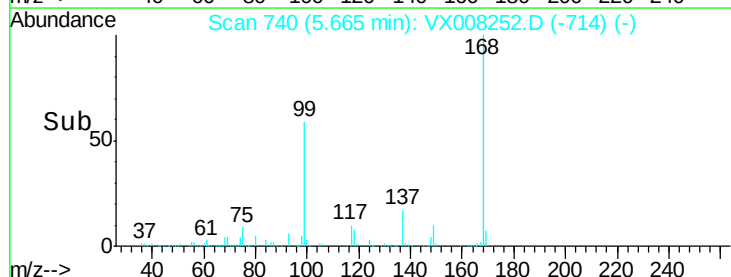
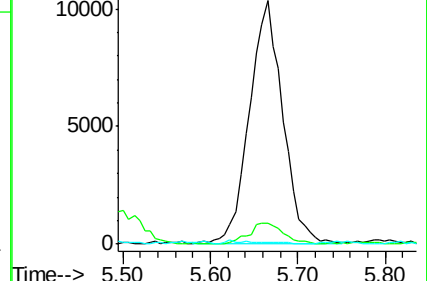
77 0.0 25.0 37.4#

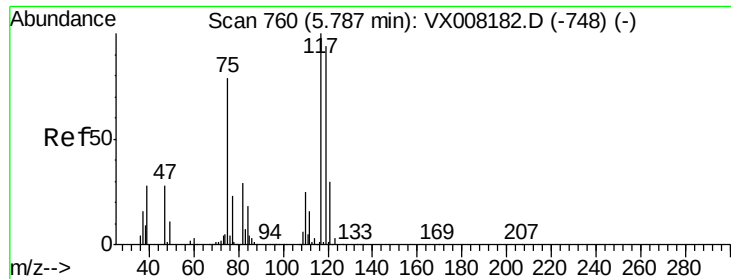


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.875 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20190315

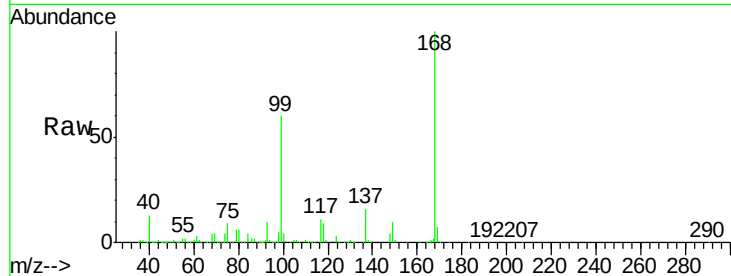
Tot Ion:117 Resp: 32934

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

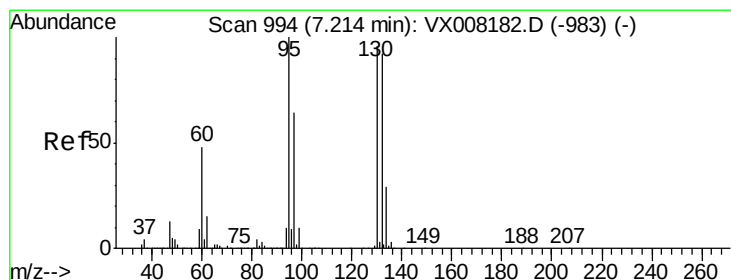
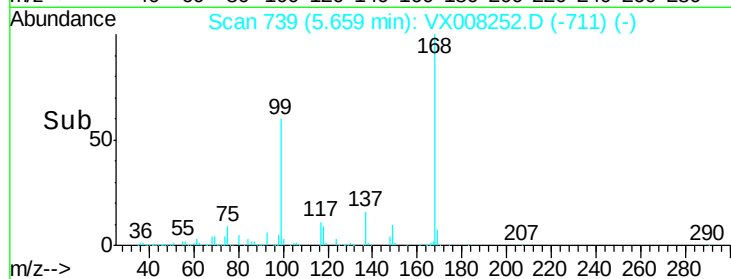
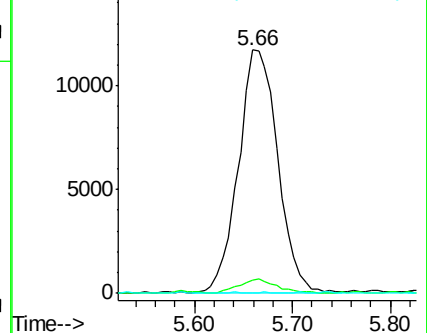
121 0.0 24.6 36.8#



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: 0.380 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008252.D

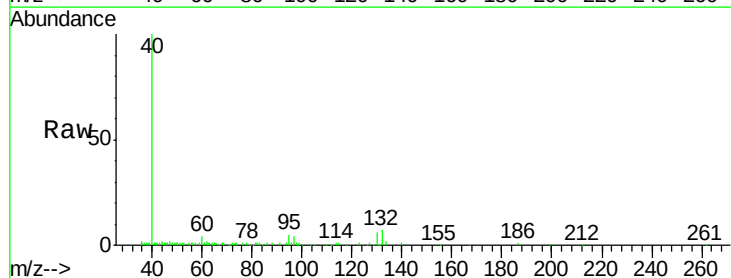
Acq: 20 Mar 2019 19:24

Tgt Ion:130 Resp: 1732

Ion Ratio Lower Upper

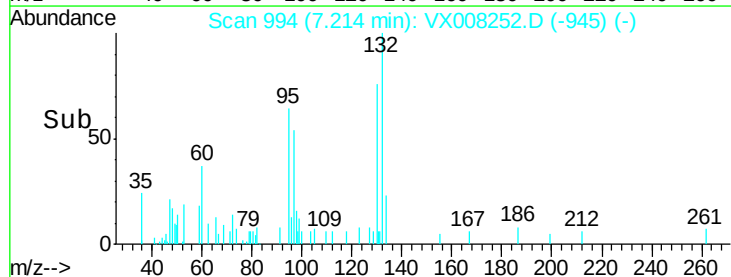
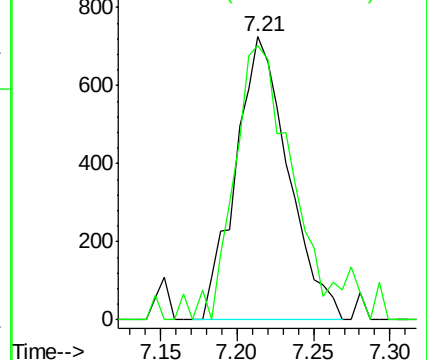
130 100

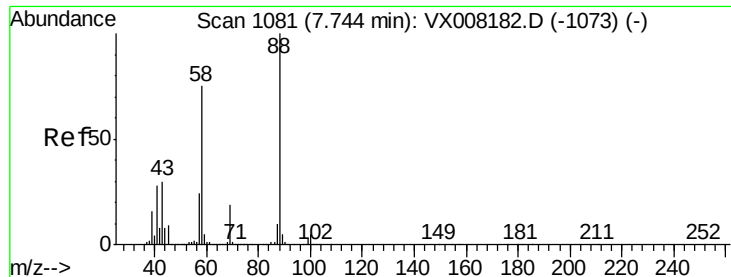
95 96.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.474 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20190315

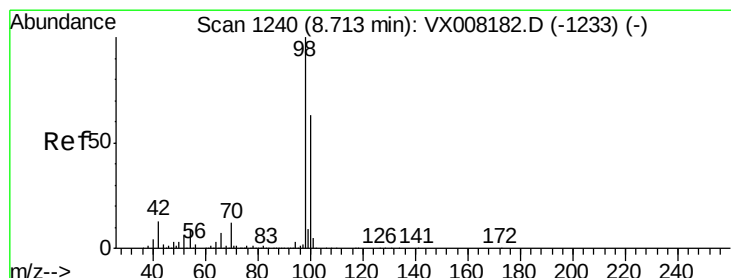
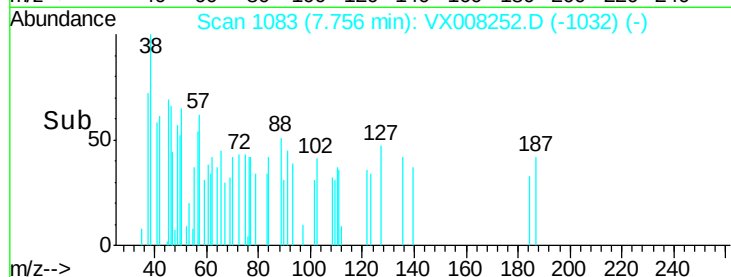
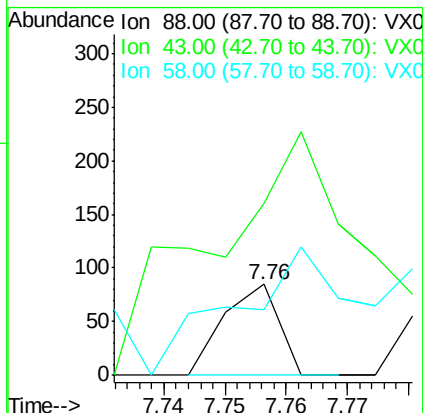
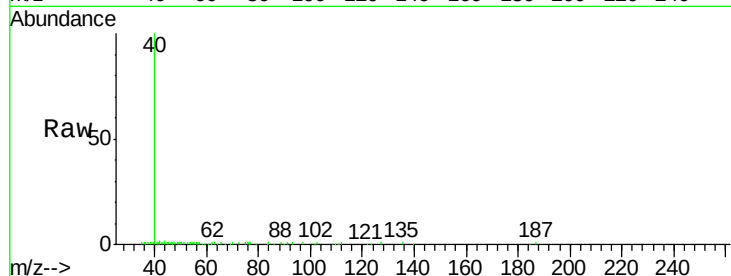
Tot Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 734.0 25.1 37.7#

58 303.8 57.8 86.6#



#50

Toluene-d8

Concen: 48.256 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008252.D

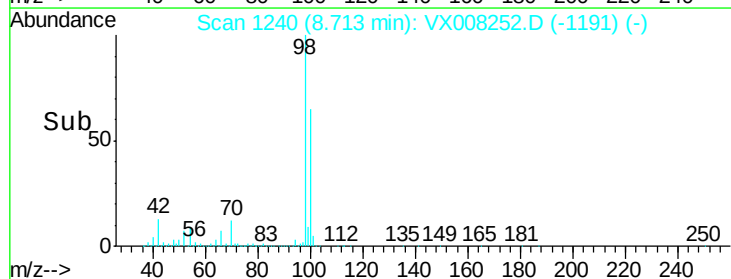
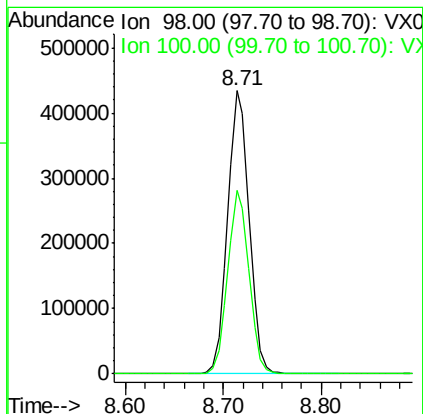
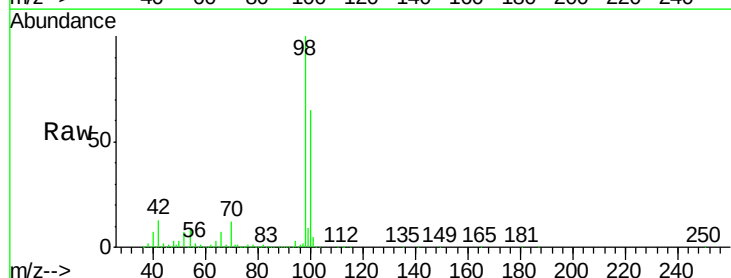
Acq: 20 Mar 2019 19:24

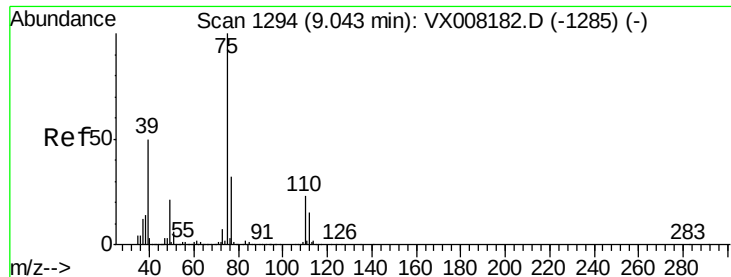
Tgt Ion: 98 Resp: 661827

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.438 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

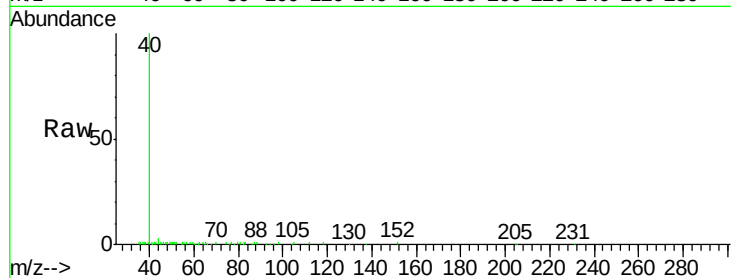
BP-DUP04-20190315

Tot Ion: 75 Resp: 125

Ion Ratio Lower Upper

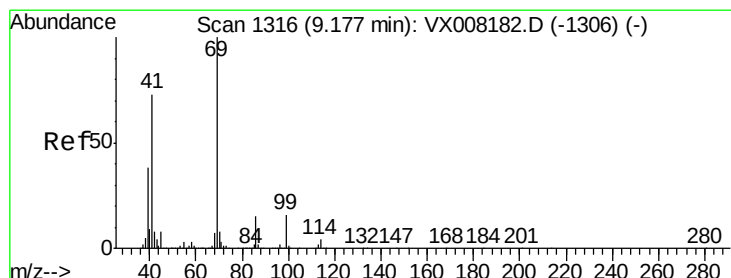
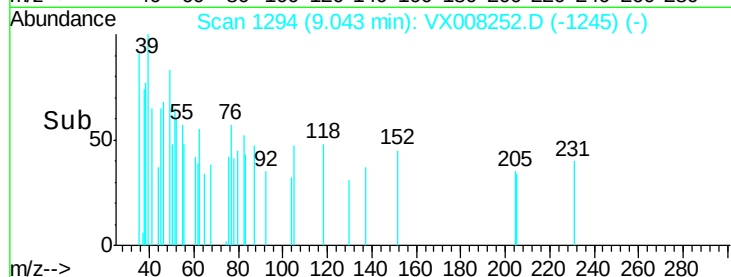
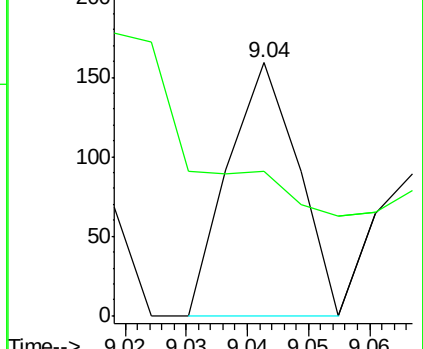
75 100

77 17.6 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: 0.541 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

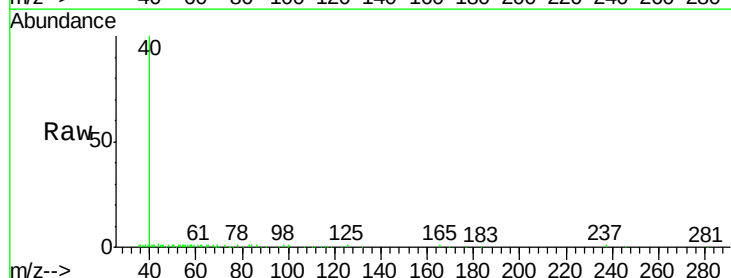
Tgt Ion: 69 Resp: 119

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

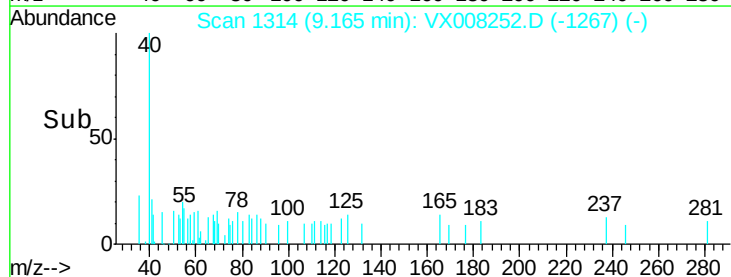
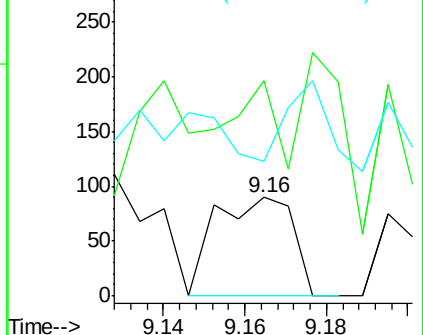
39 116.0 25.0 37.4#

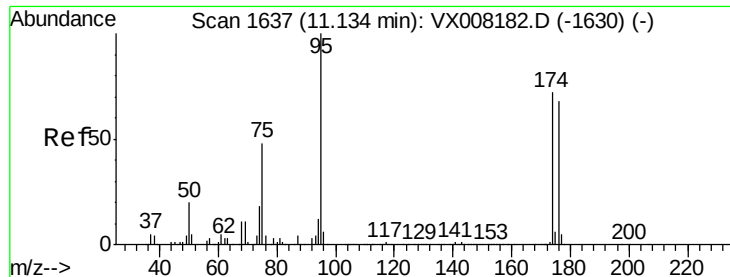


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

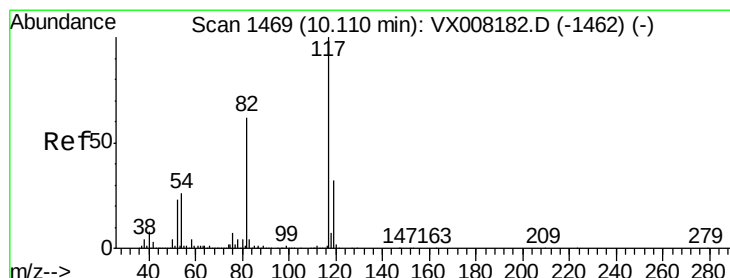
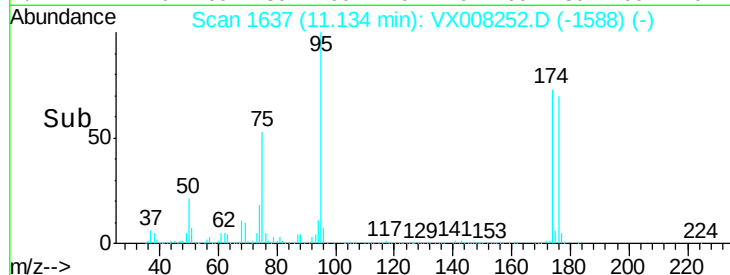
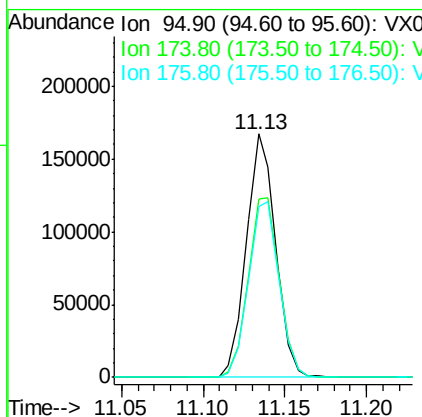
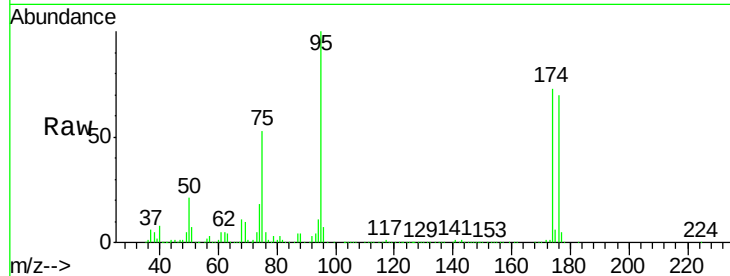




#62
4-Bromofluorobenzene
Concen: 44.489 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008252.D
Acq: 20 Mar 2019 19:24

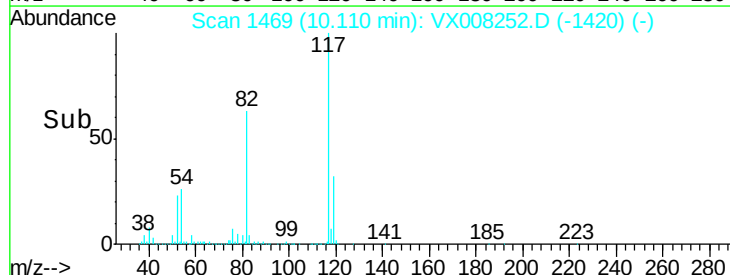
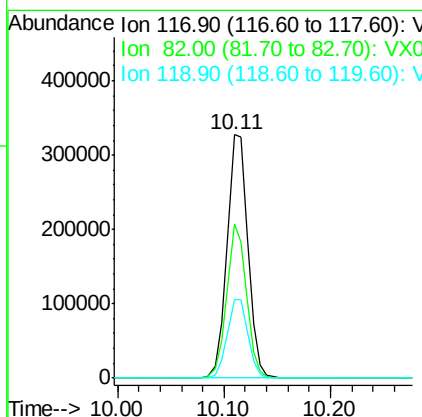
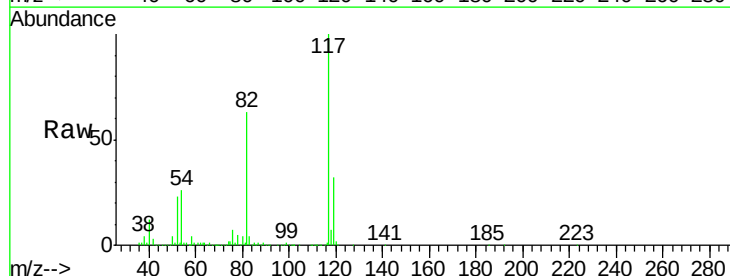
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP04-20190315

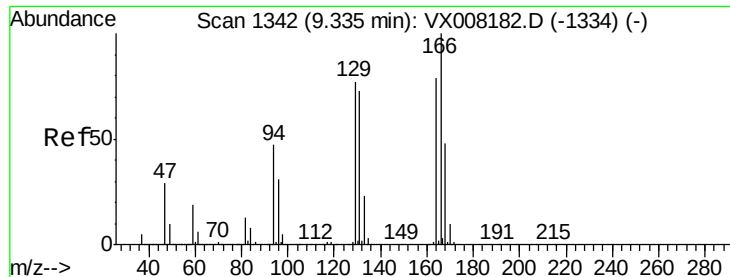
Tot Ion: 95 Resp: 210094
Ion Ratio Lower Upper
95 100
174 78.7 0.0 182.8
176 75.7 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008252.D
Acq: 20 Mar 2019 19:24

Tgt Ion: 117 Resp: 452303
Ion Ratio Lower Upper
117 100
82 63.1 44.3 66.5
119 32.5 25.3 37.9





#64

Tetrachloroethene

Concen: 0.311 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008252.D

Acq: 20 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP04-20190315

Tot Ion:164 Resp: 1269

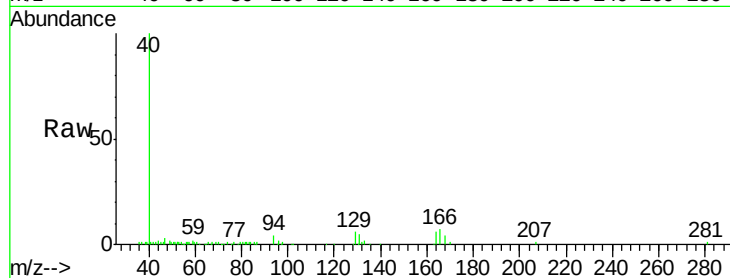
Ion Ratio Lower Upper

164 100

166 115.6 103.4 155.0

129 90.7 72.2 108.4

131 80.4 69.4 104.2

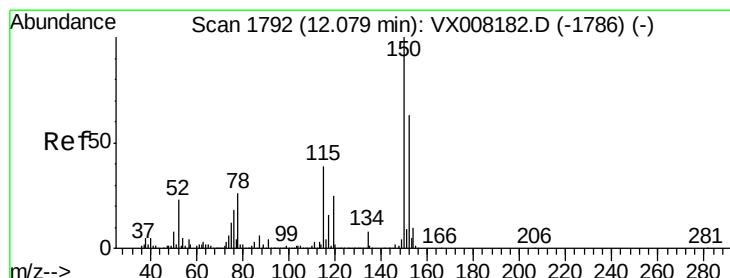
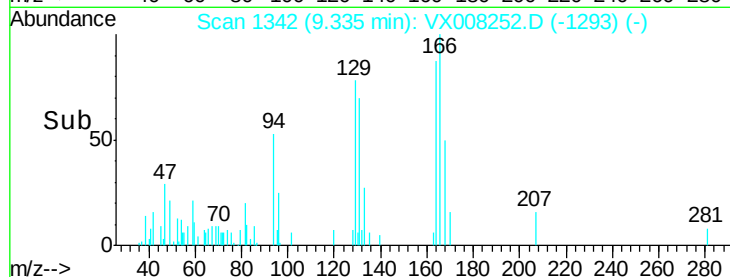
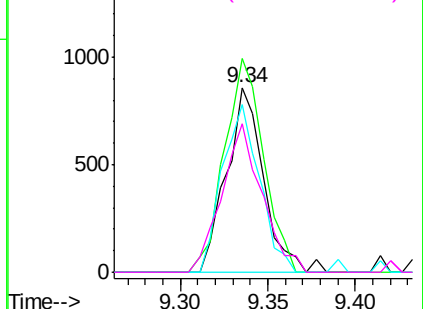


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX008252.D

Acq: 20 Mar 2019 19:24

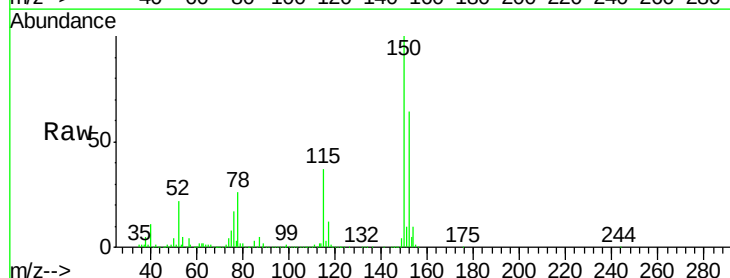
Tgt Ion:152 Resp: 183341

Ion Ratio Lower Upper

152 100

115 60.0 38.6 115.7

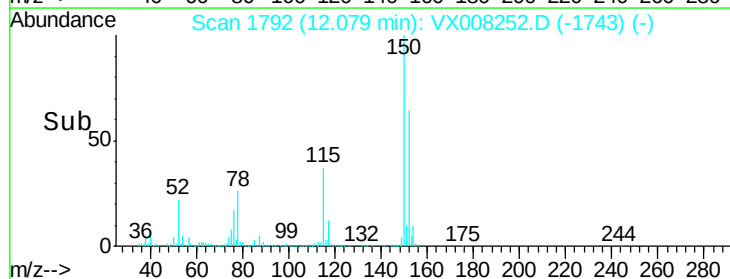
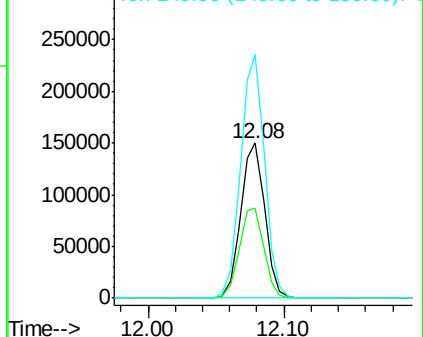
150 157.2 0.0 348.4

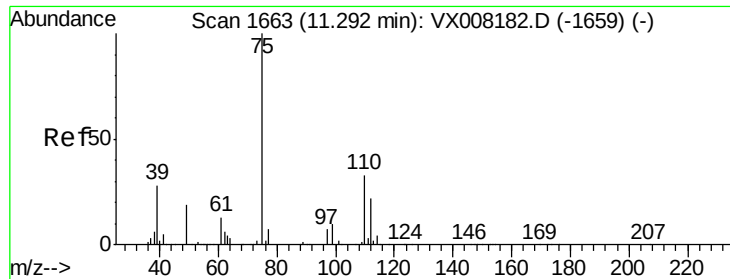


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

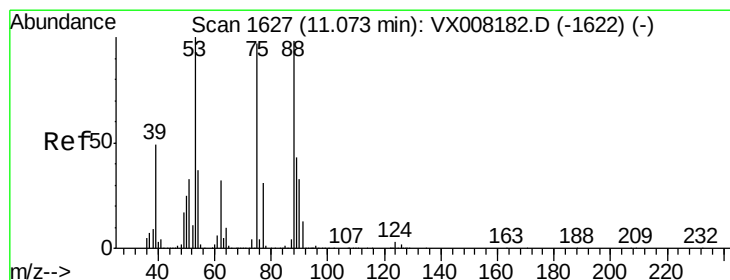
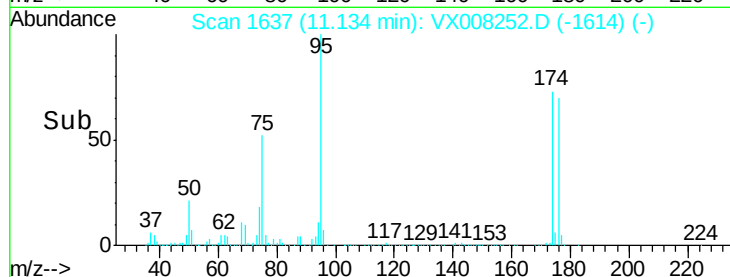
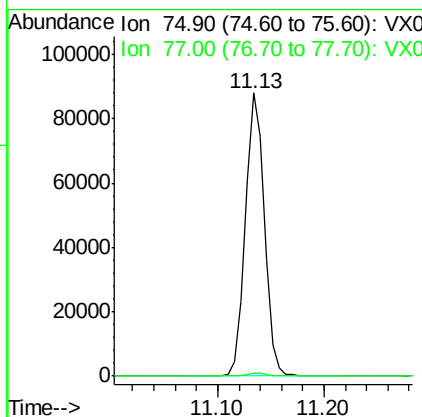
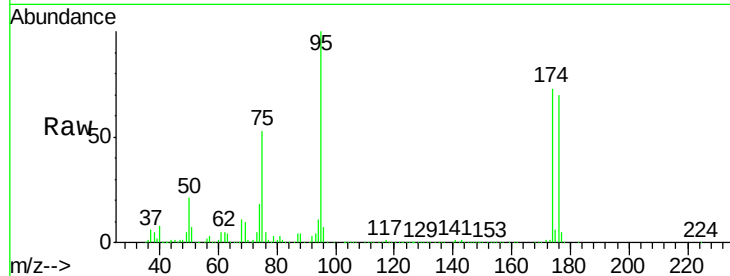




#76
 1,2,3-Trichloropropane
 Concen: 21.482 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008252.D
 Acq: 20 Mar 2019 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP04-20190315

Tot Ion: 75 Resp: 110775
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.627 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008252.D
 Acq: 20 Mar 2019 19:24

Tgt Ion: 75 Resp: 110775
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.1 36.3 54.5#

