

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008194.D
 Acq On : 19 Mar 2019 16:50
 Operator : JC/SP
 Sample : K1860-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

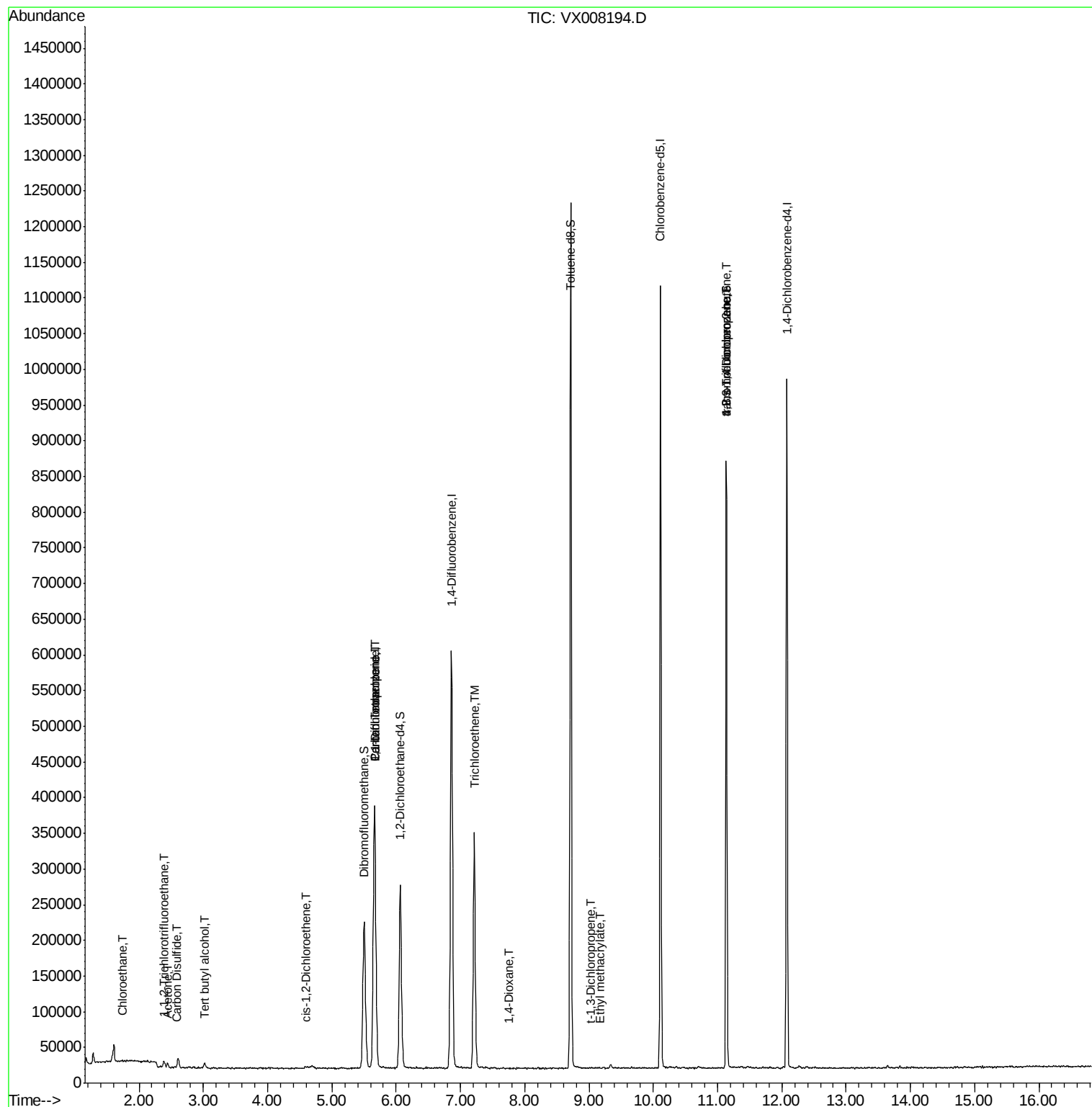
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	560952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	471646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188432	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	242048	46.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.36%	
35) Dibromofluoromethane	5.50	113	174693	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
50) Toluene-d8	8.71	98	692872	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	222715	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.75	64	1235	0.373	ug/l #	53
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3281	0.734	ug/l	85
11) Tert butyl alcohol	3.03	59	3431	3.058	ug/l #	90
13) Acrolein	2.28	56	49	Below Cal	#	32
16) Acetone	2.44	43	6843	2.302	ug/l	89
17) Carbon Disulfide	2.57	76	1598	0.790	ug/l #	77
27) cis-1,2-Dichloroethene	4.59	96	1066	0.205	ug/l	82
36) 1,1-Dichloropropene	5.67	75	29694	4.547	ug/l #	49
38) Carbon Tetrachloride	5.67	117	33986	5.840	ug/l #	17
44) Trichloroethene	7.21	130	122056	25.824	ug/l	89
49) 1,4-Dioxane	7.76	88	149	1.283	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	292	1.459	ug/l	92
56) Ethyl methacrylate	9.18	69	243	0.555	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	117250	22.123	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	117250	56.215	ug/l #	12

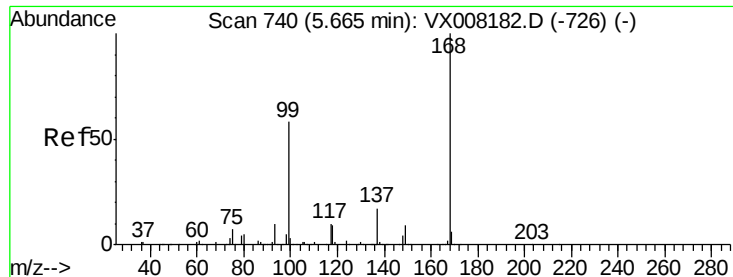
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 20 06:51:58 2019
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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: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

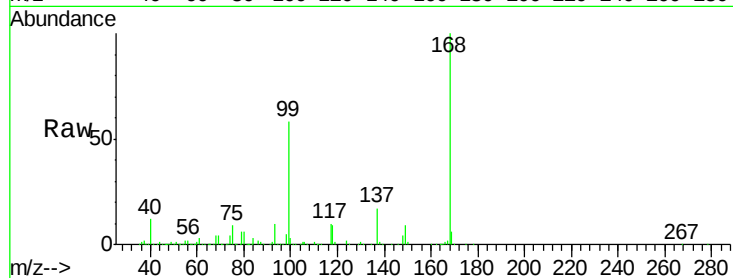
ClientSampleId :

Tot Ion:168 Resp: 348030

Ion Ratio Lower Upper

168 100

99 58.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

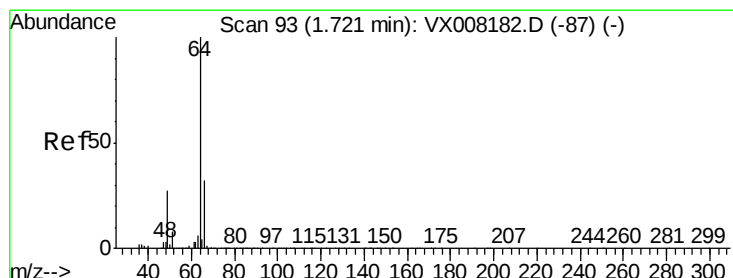
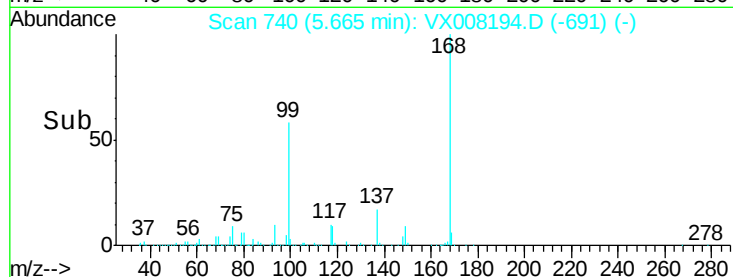
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.373 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX008194.D

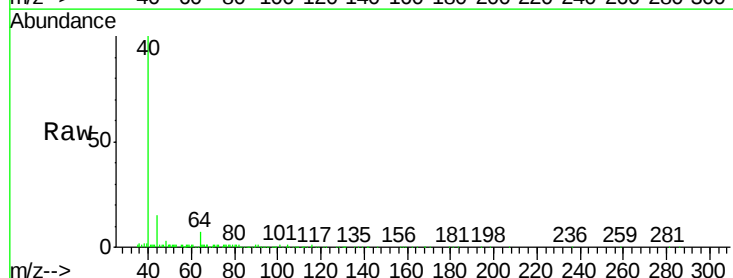
Acq: 19 Mar 2019 16:50

Tgt Ion: 64 Resp: 1235

Ion Ratio Lower Upper

64 100

66 5.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1200

1000

800

600

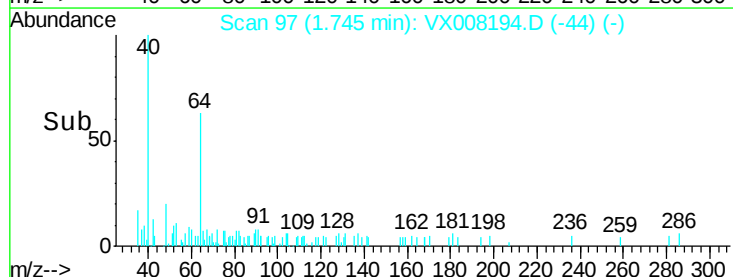
400

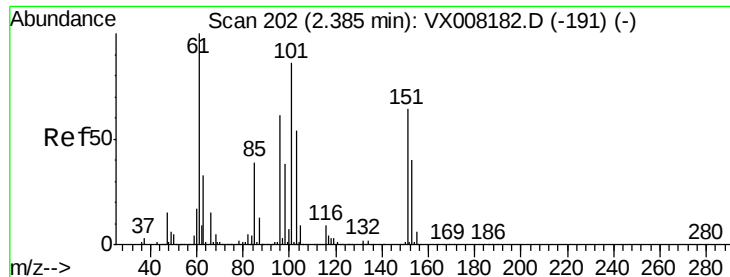
200

0

Time-->

1.65 1.70 1.75





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.734 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

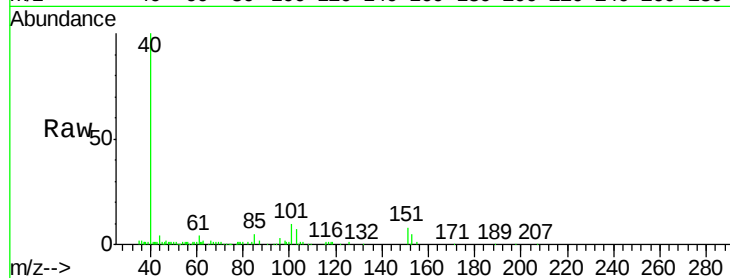
Tot Ion:101 Resp: 3281

Ion Ratio Lower Upper

101 100

85 50.3 33.8 50.6

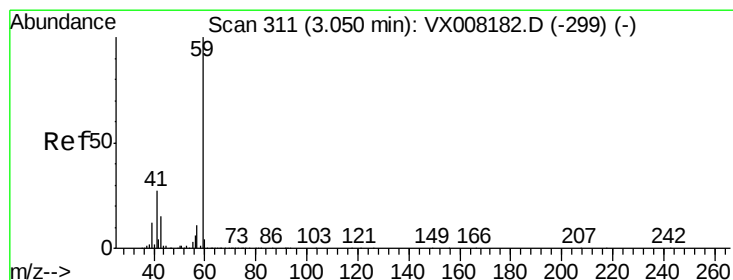
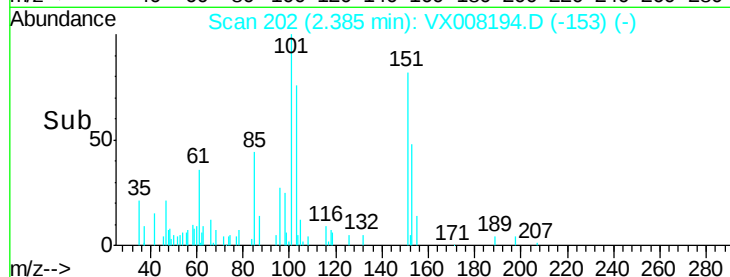
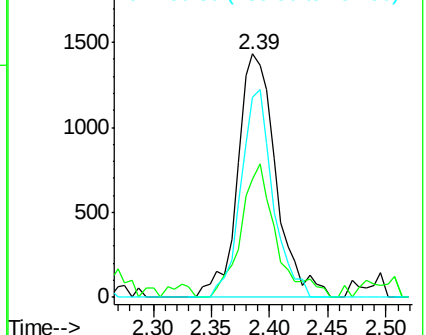
151 71.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 3.058 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008194.D

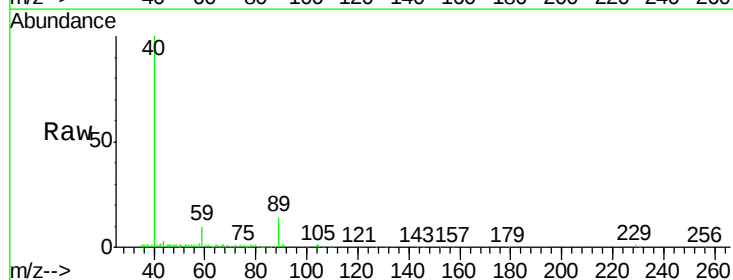
Acq: 19 Mar 2019 16:50

Tgt Ion: 59 Resp: 3431

Ion Ratio Lower Upper

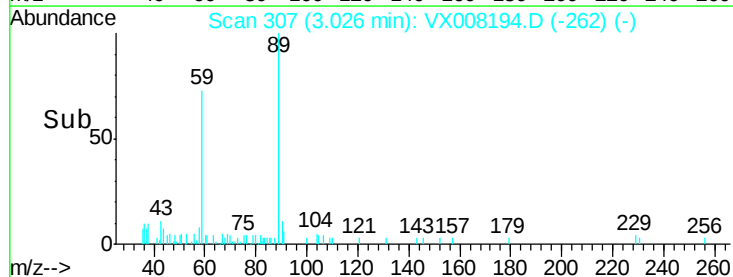
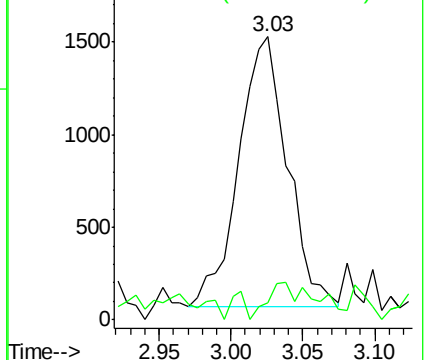
59 100

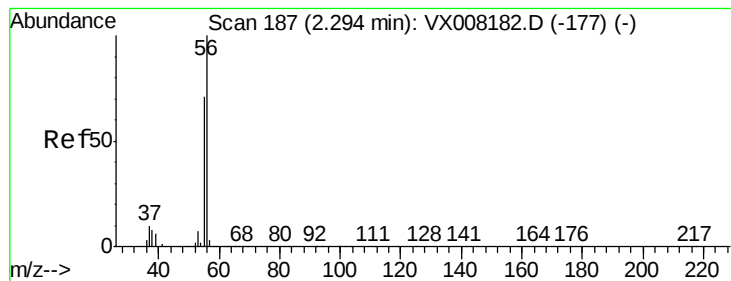
57 13.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

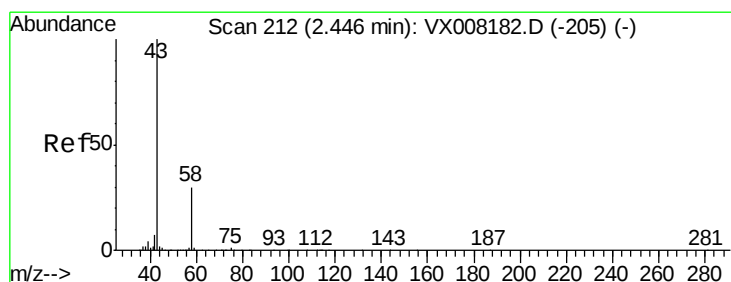
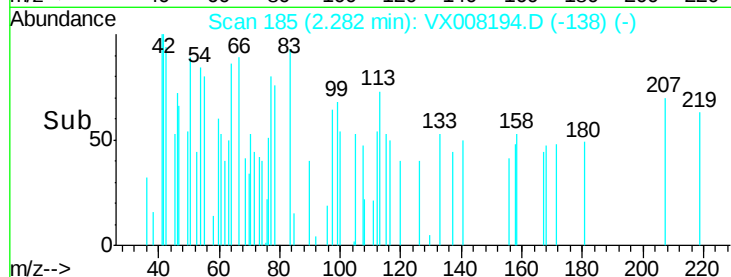
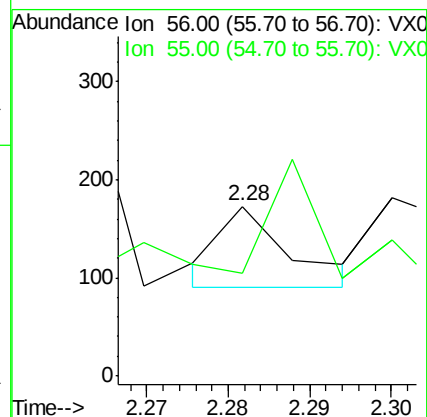
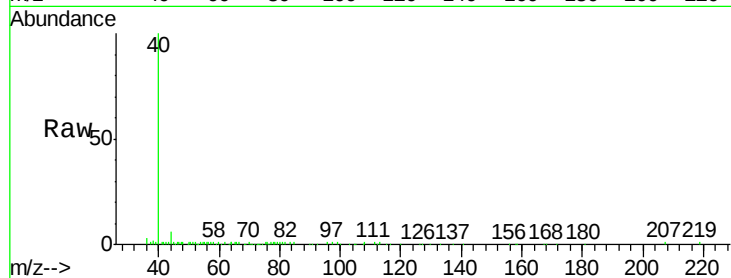
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 128.6 57.8 86.6#



#16

Acetone

Concen: 2.302 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008194.D

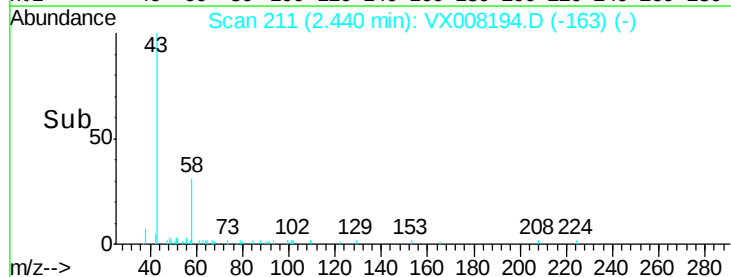
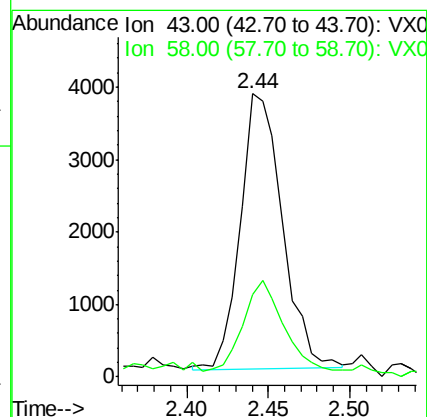
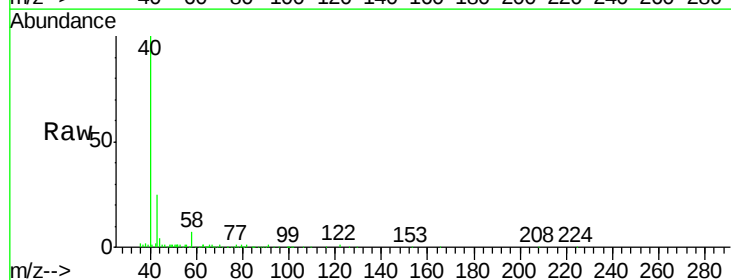
Acq: 19 Mar 2019 16:50

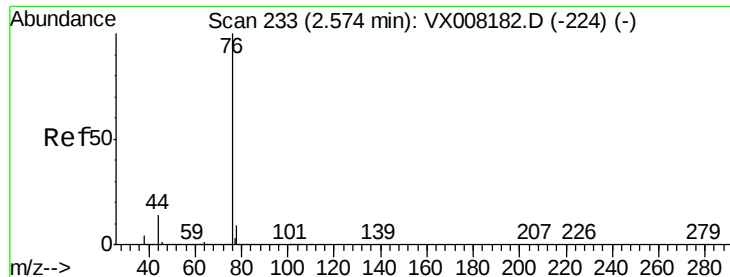
Tgt Ion: 43 Resp: 6843

Ion Ratio Lower Upper

43 100

58 26.0 25.5 38.3





#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

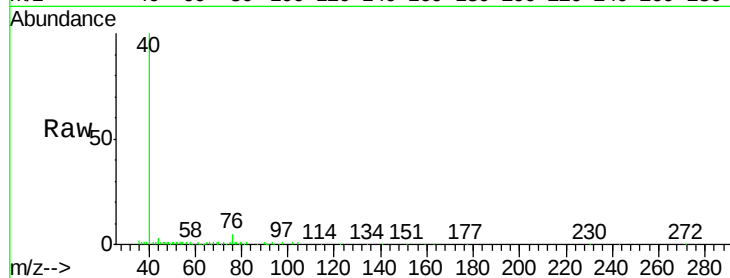
ClientSampleId :

Tot Ion: 76 Resp: 1598

Ion Ratio Lower Upper

76 100

78 17.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

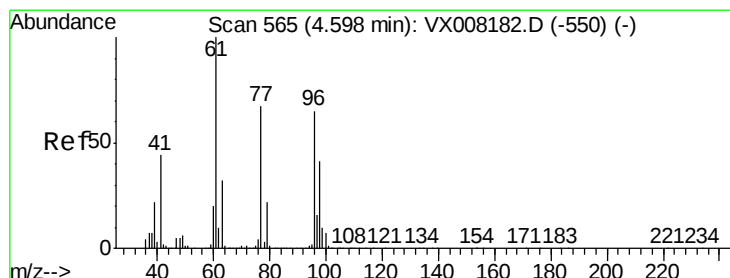
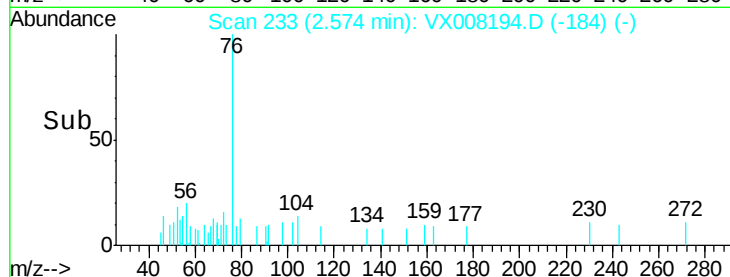
400

200

0

2.50 2.55 2.60 2.65

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

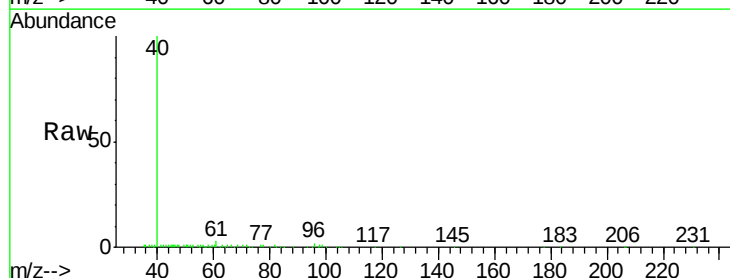
Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 112.8 0.0 288.0

98 64.2 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

600

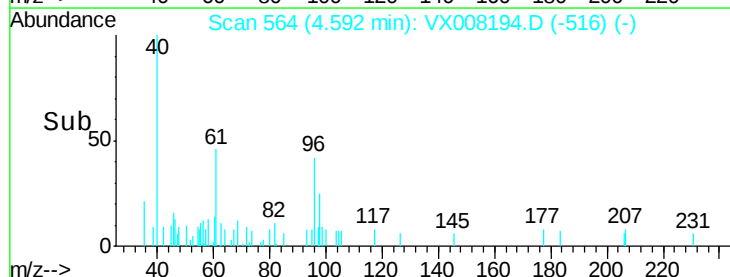
400

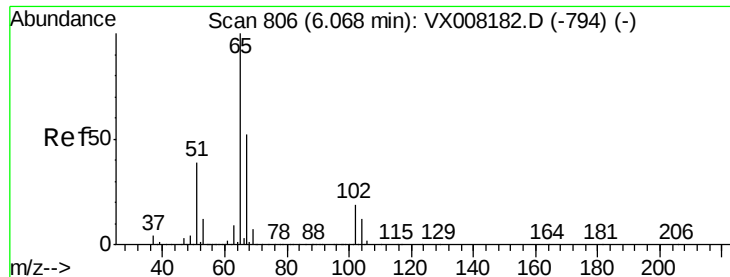
200

0

4.55 4.60 4.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.178 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

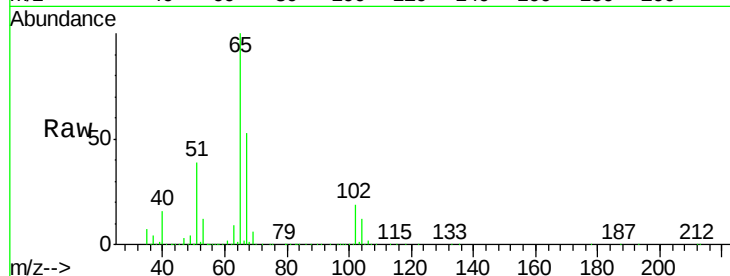
ClientSampled :

Tot Ion: 65 Resp: 242048

Ion Ratio Lower Upper

65 100

67 53.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

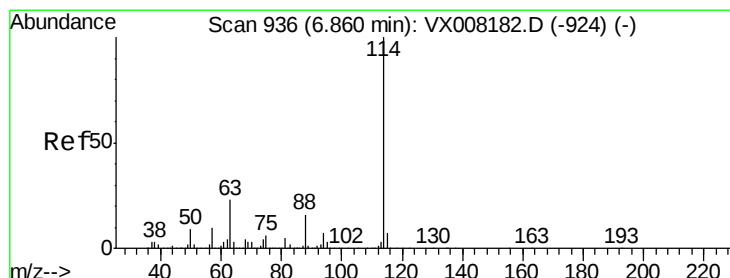
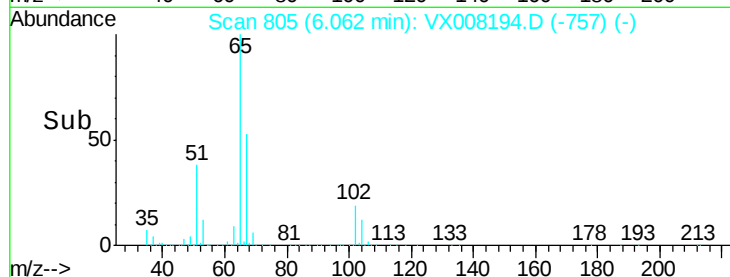
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

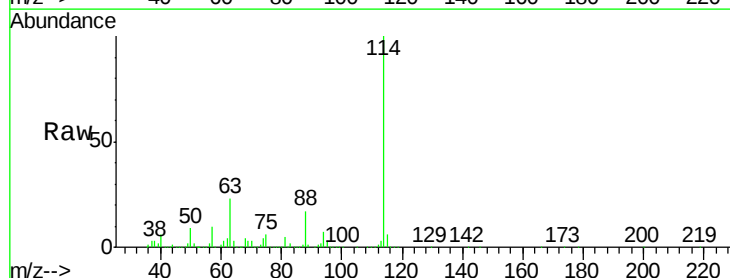
Tgt Ion: 114 Resp: 560952

Ion Ratio Lower Upper

114 100

63 23.3 0.0 39.8

88 16.9 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

6.86

300000

250000

200000

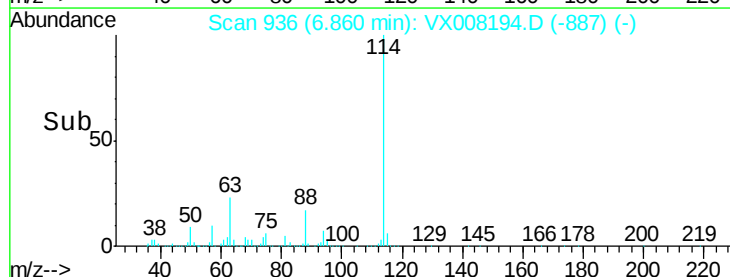
150000

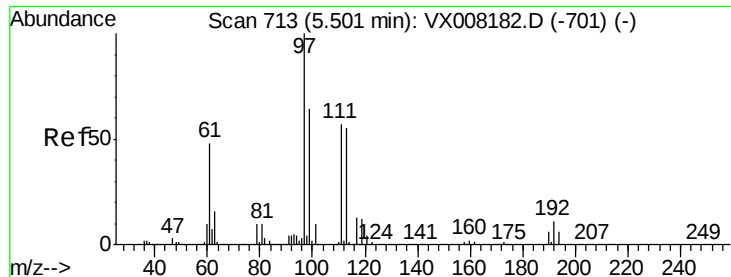
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

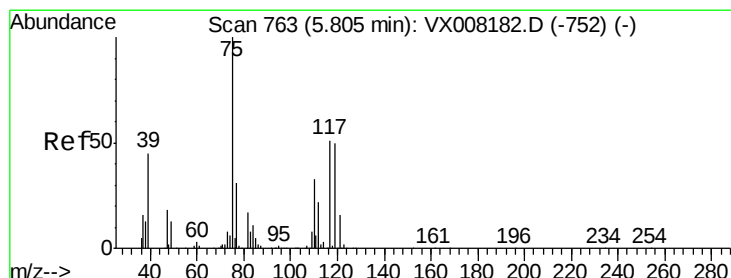
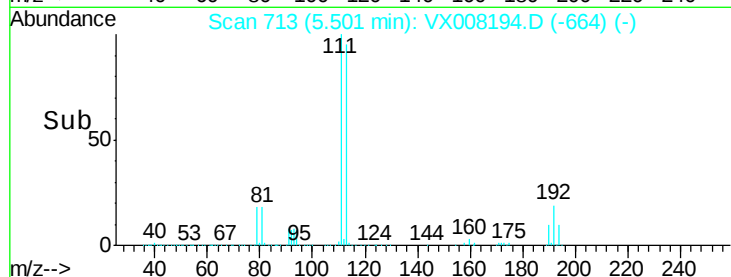
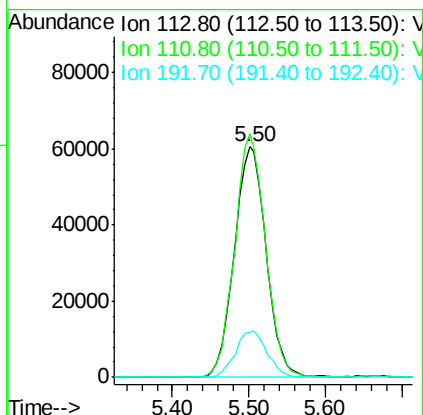
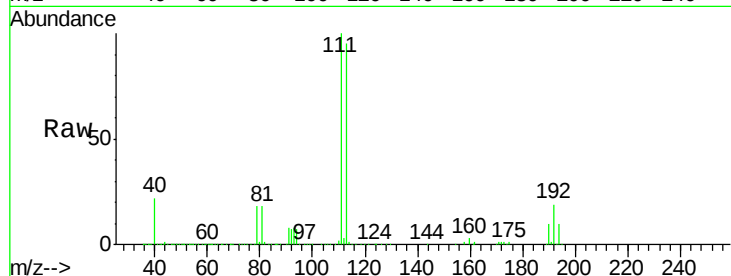




#35
 Dibromofluoromethane
 Concen: 46.520 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008194.D
 Acq: 19 Mar 2019 16:50

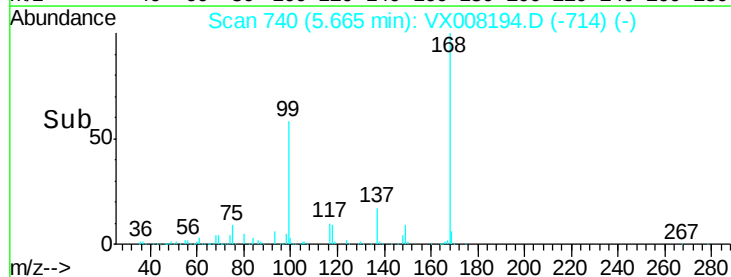
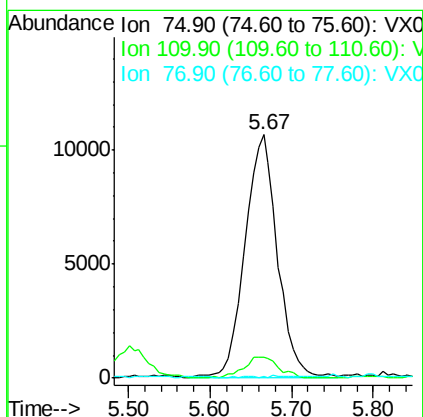
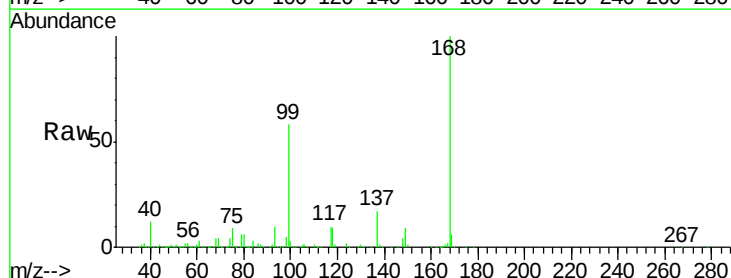
Instrument :
 MSVOA_X
 ClientSampleId :

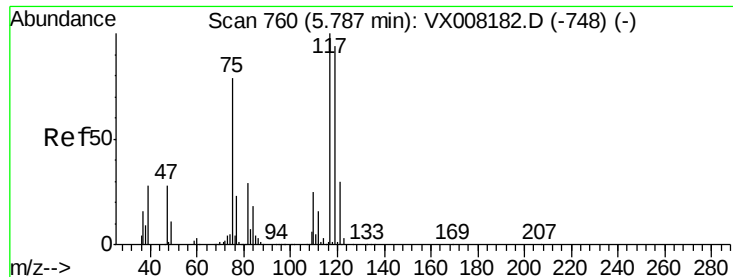
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	20.0	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008194.D
 Acq: 19 Mar 2019 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.0#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

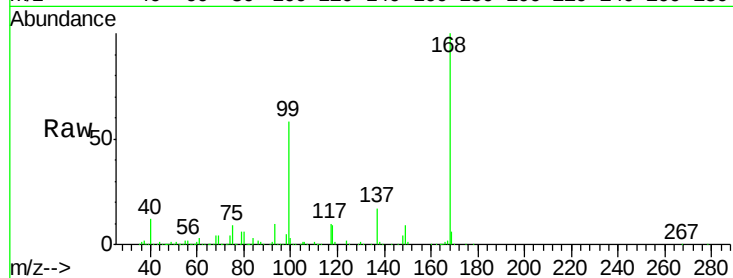
Tot Ion:117 Resp: 33986

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

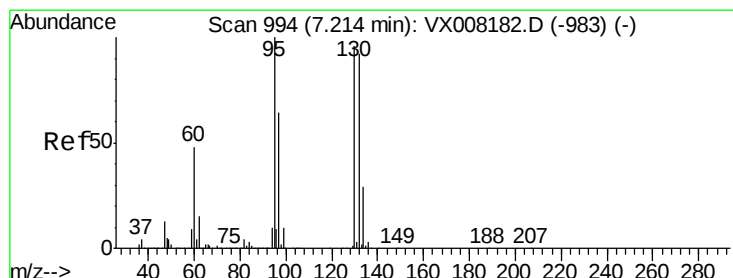
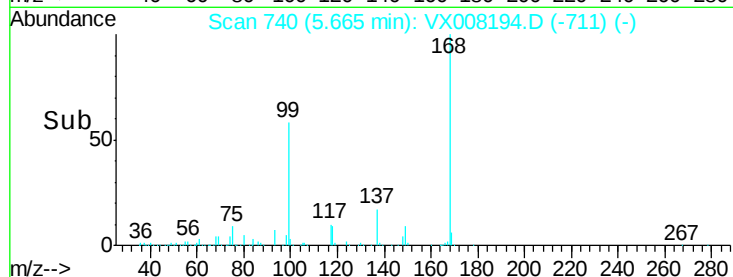
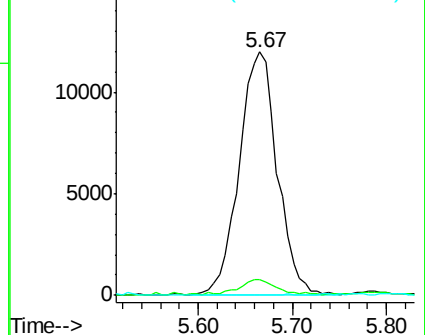
121 0.0 24.6 36.8#



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: 25.824 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008194.D

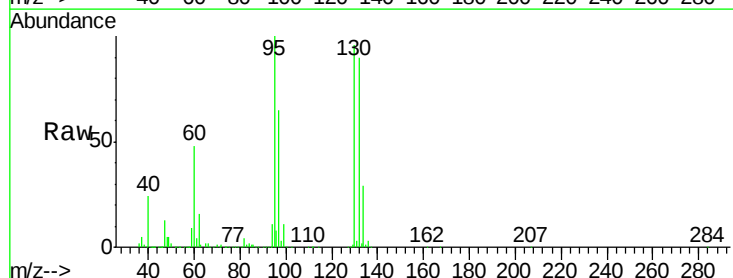
Acq: 19 Mar 2019 16:50

Tgt Ion:130 Resp: 122056

Ion Ratio Lower Upper

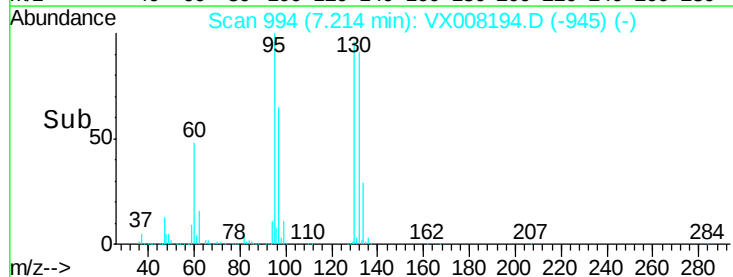
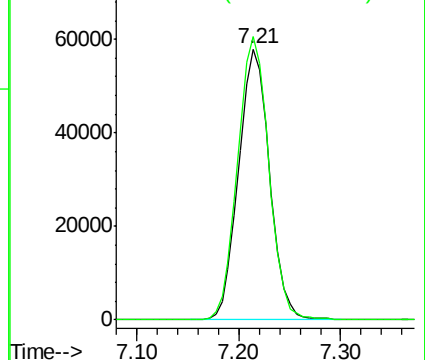
130 100

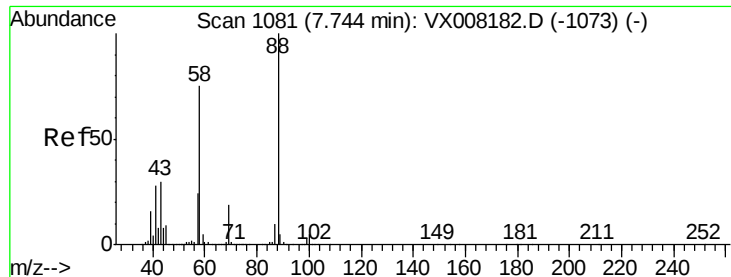
95 104.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.283 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :

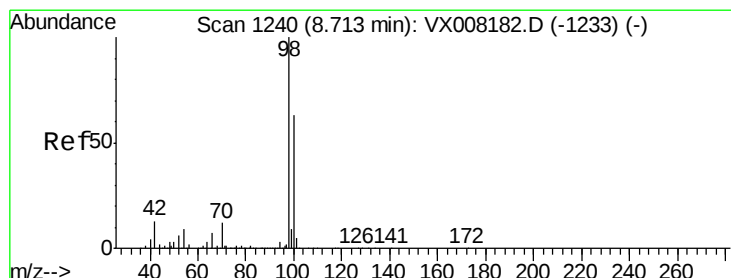
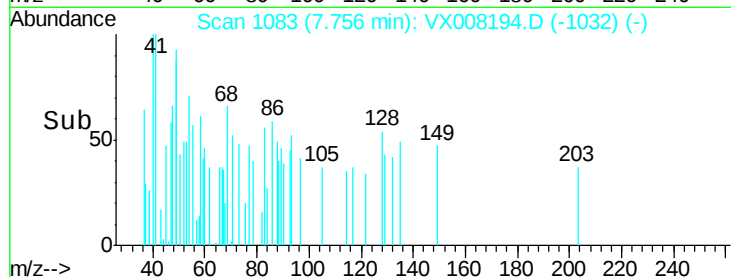
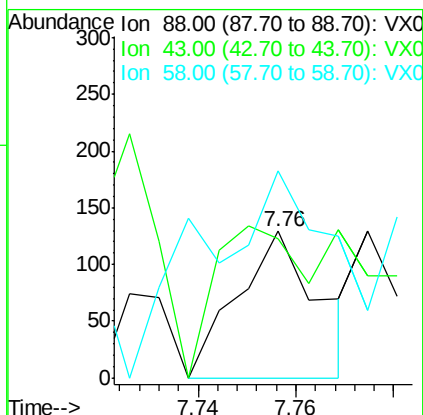
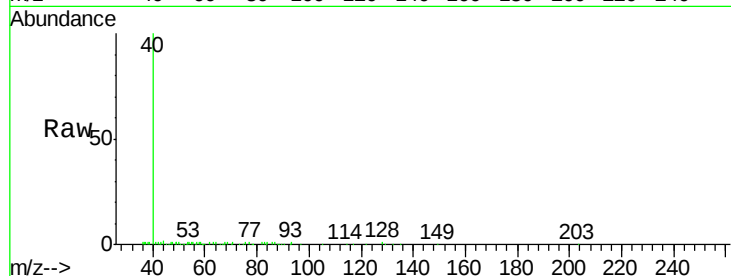
Tot Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

43 110.7 25.1 37.7#

58 229.5 57.8 86.6#



#50

Toluene-d8

Concen: 48.666 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008194.D

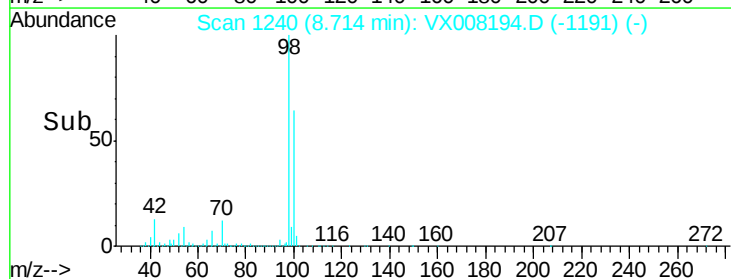
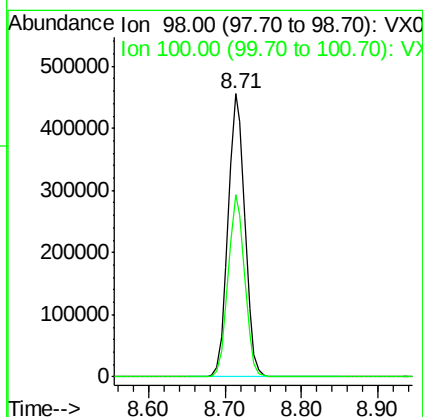
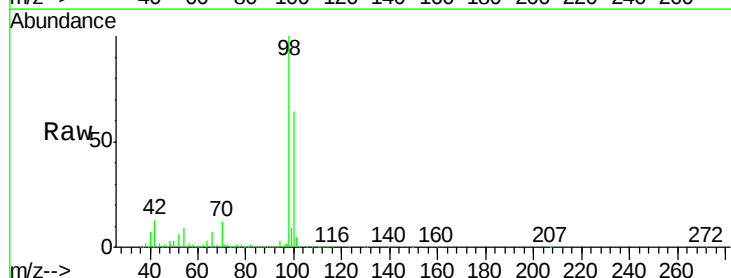
Acq: 19 Mar 2019 16:50

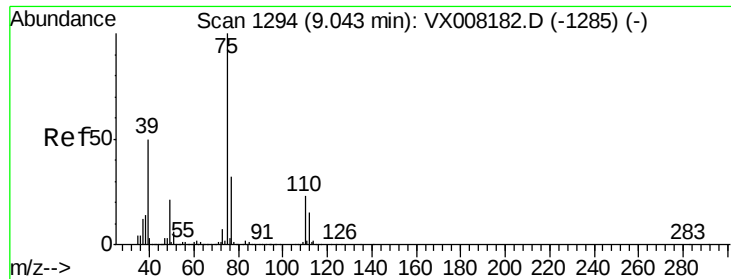
Tgt Ion: 98 Resp: 692872

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5

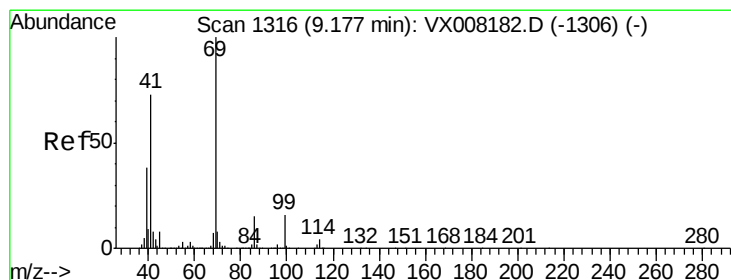
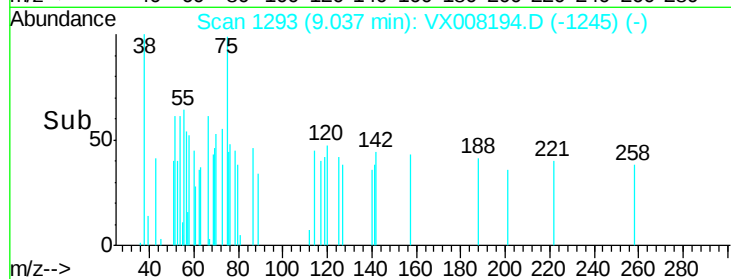
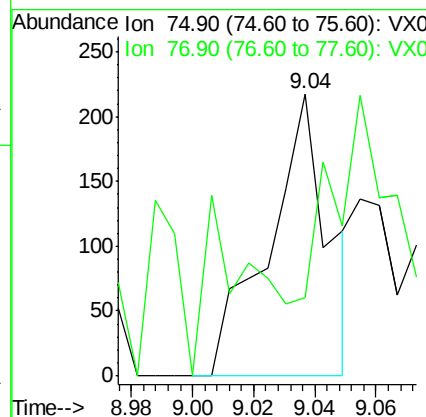
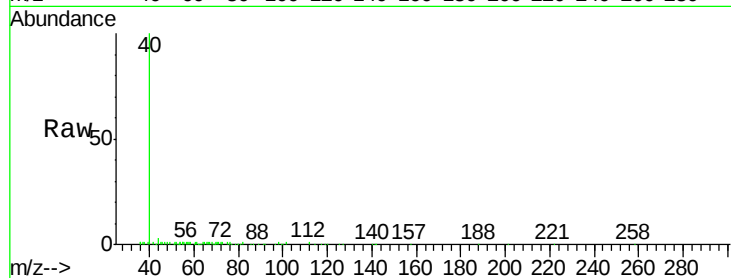




#53
t-1,3-Dichloropropene
Concen: 1.459 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008194.D
Acq: 19 Mar 2019 16:50

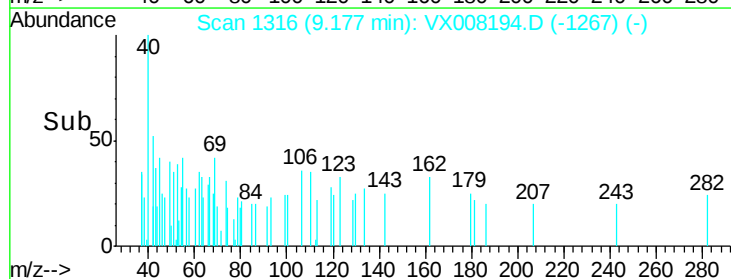
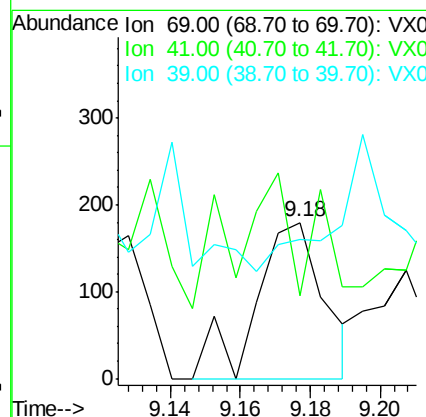
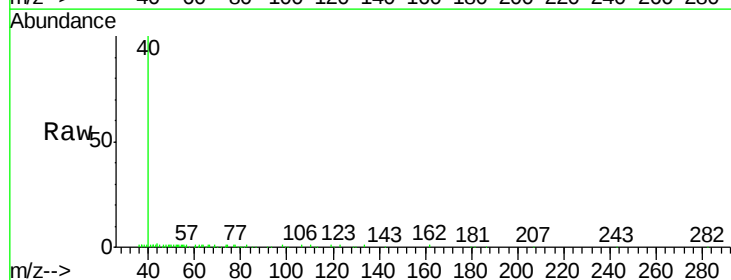
Instrument :
MSVOA_X
ClientSampleId :

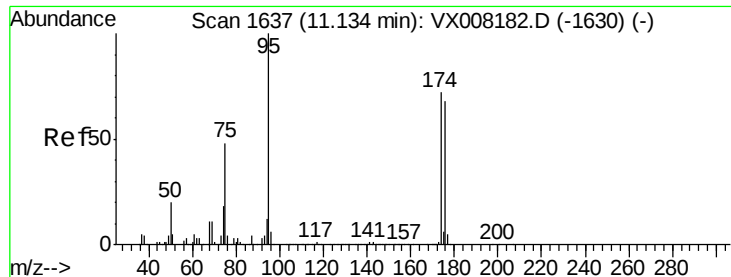
Tot Ion: 75 Resp: 292
Ion Ratio Lower Upper
75 100
77 27.5 25.4 38.0



#56
Ethyl methacrylate
Concen: 0.555 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX008194.D
Acq: 19 Mar 2019 16:50

Tgt Ion: 69 Resp: 243
Ion Ratio Lower Upper
69 100
41 95.5 54.2 81.4#
39 0.0 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 45.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008194.D

Acq: 19 Mar 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

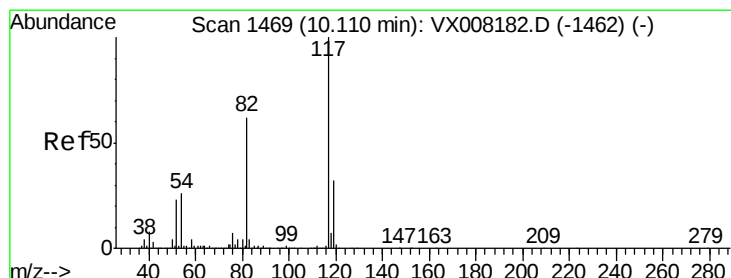
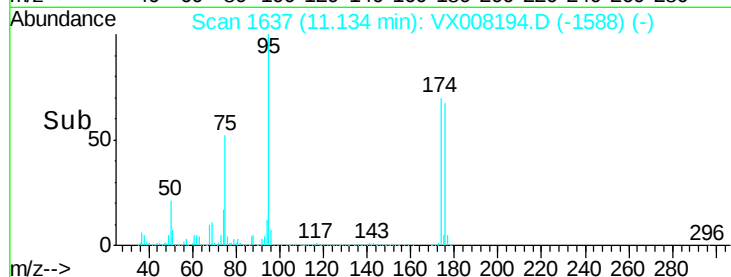
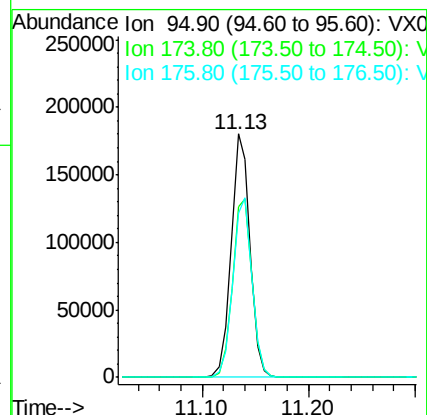
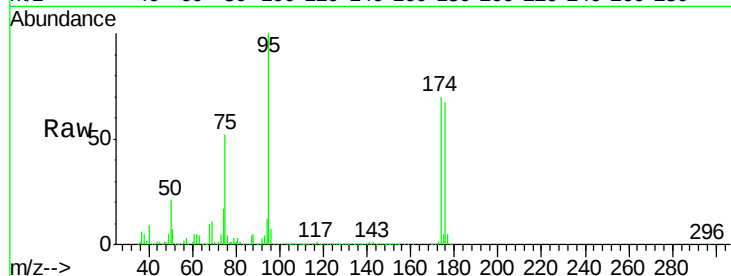
Tot Ion: 95 Resp: 222715

Ion Ratio Lower Upper

95 100

174 76.3 0.0 182.8

176 75.1 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: VX008194.D

Acq: 19 Mar 2019 16:50

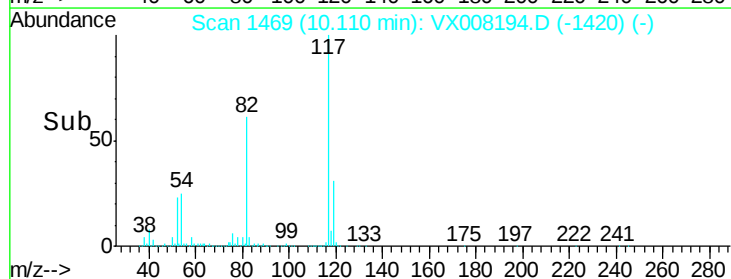
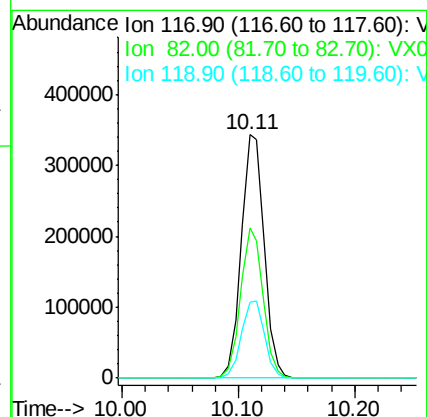
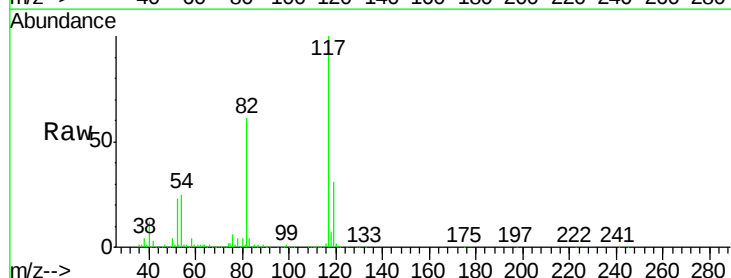
Tgt Ion: 117 Resp: 471646

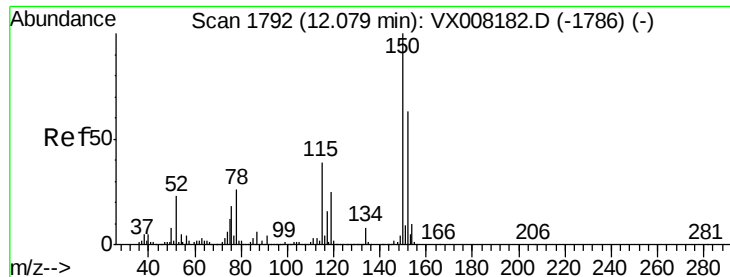
Ion Ratio Lower Upper

117 100

82 61.4 44.3 66.5

119 31.4 25.3 37.9



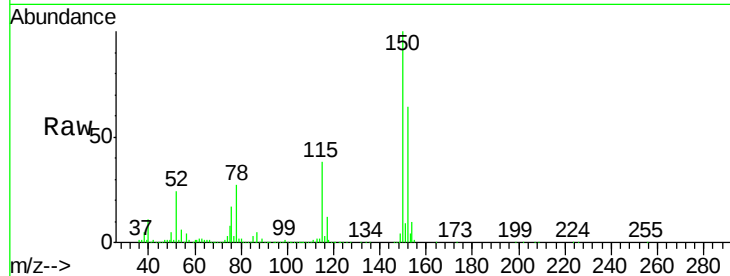


#72

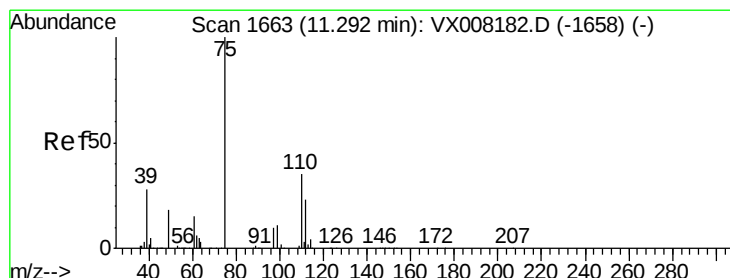
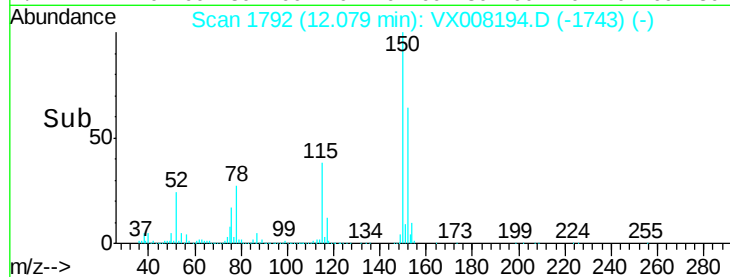
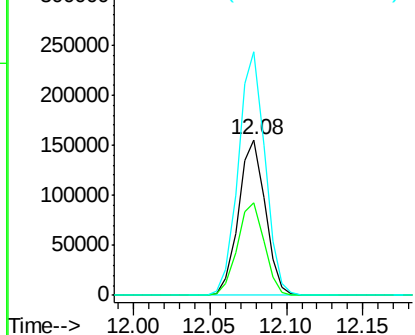
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008194.D
Acq: 19 Mar 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 188432
Ion Ratio Lower Upper
152 100
115 60.2 38.6 115.7
150 156.4 0.0 348.4



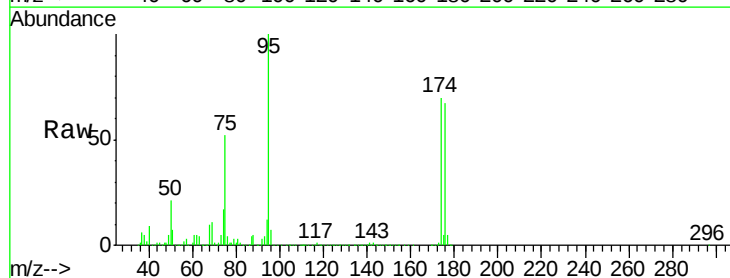
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



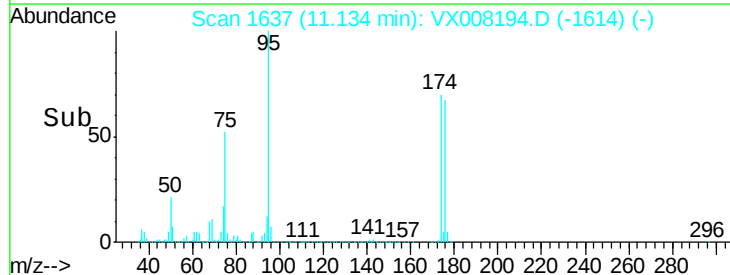
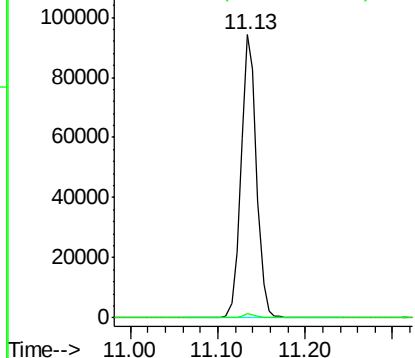
#76

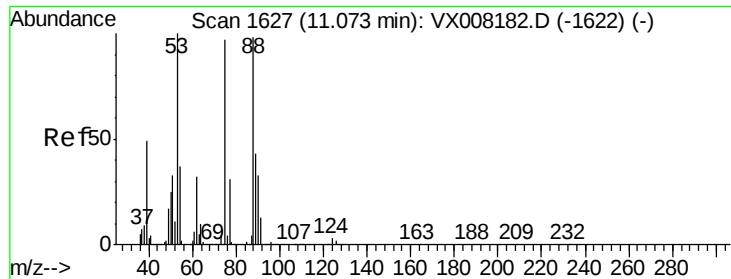
1,2,3-Trichloropropane
Concen: 22.123 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008194.D
Acq: 19 Mar 2019 16:50

Tgt Ion: 75 Resp: 117250
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: 56.215 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008194.D
 Acq: 19 Mar 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 117250
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.3 54.5#

