

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040919\
 Data File : VX008775.D
 Acq On : 09 Apr 2019 16:59
 Operator : JC/SP
 Sample : K2338-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-WATER

Quant Time: Apr 10 06:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	143095	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.50	113	104289	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	8.71	98	428455	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.13	95	139990	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

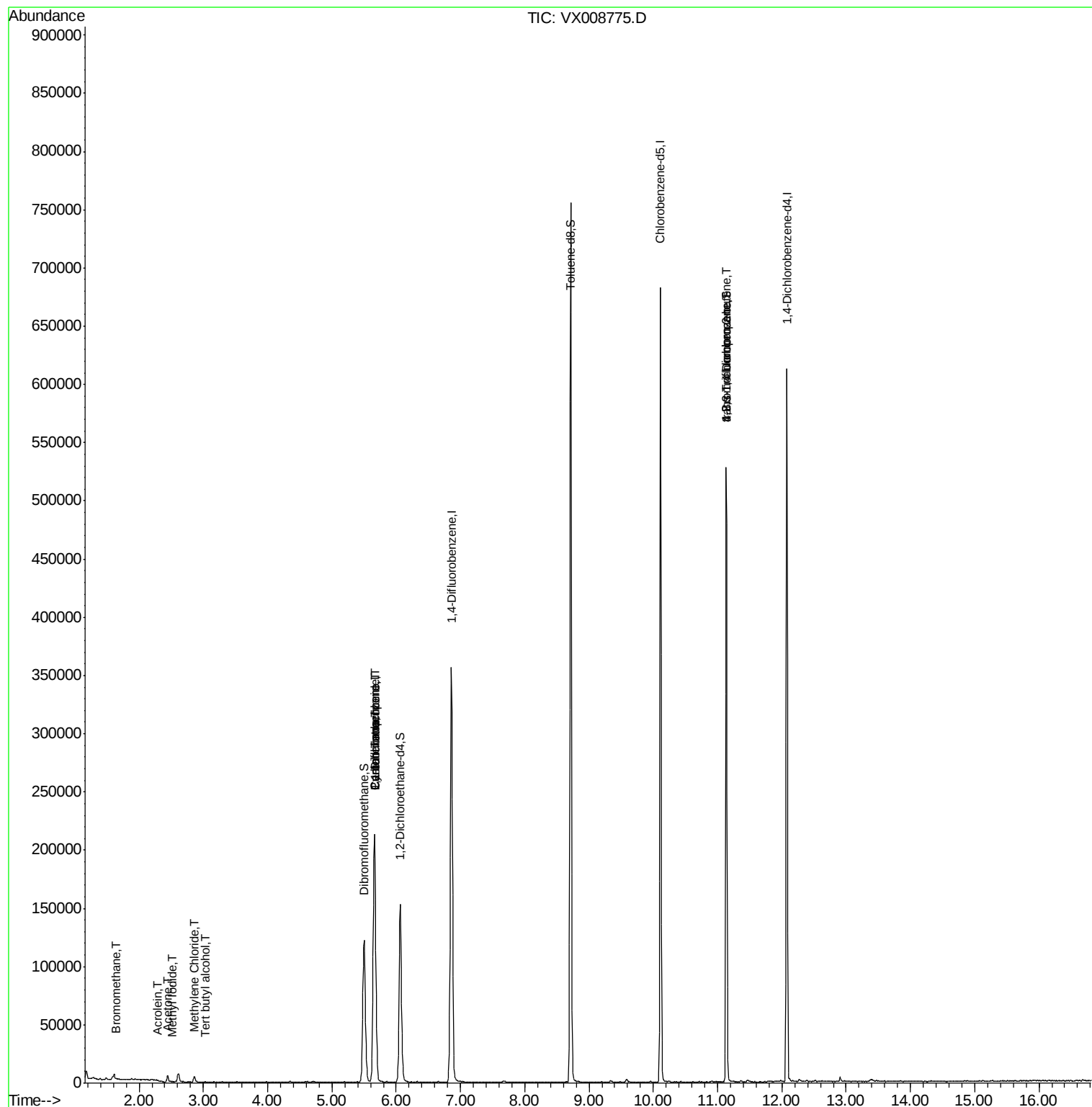
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	277	Below Cal	#	64
5) Bromomethane	1.64	94	149	1.976	ug/l	95
6) Chloroethane	1.71	64	101	Below Cal	#	43
10) Methyl Iodide	2.52	142	157	4.072	ug/l #	52
11) Tert butyl alcohol	3.04	59	271	0.384	ug/l #	72
13) Acrolein	2.29	56	201	0.574	ug/l #	13
16) Acetone	2.44	43	5953	3.425	ug/l	97
17) Carbon Disulfide	2.57	76	639	Below Cal	#	39
20) Methylene Chloride	2.85	84	2022	0.695	ug/l #	89
28) Bromochloromethane	5.03	49	26	Below Cal	#	22
31) Cyclohexane	5.67	56	4737	0.909	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16653	4.396	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20142	6.424	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	71390	21.271	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71390	58.636	ug/l #	9

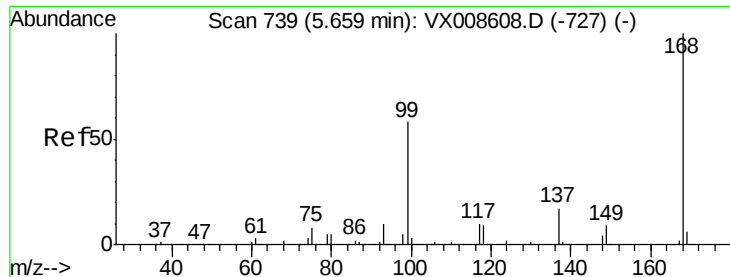
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

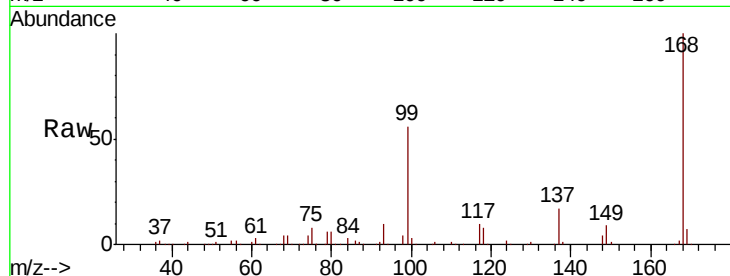
TP-1-WATER

Tot Ion:168 Resp: 206902

Ion Ratio Lower Upper

168 100

99 55.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

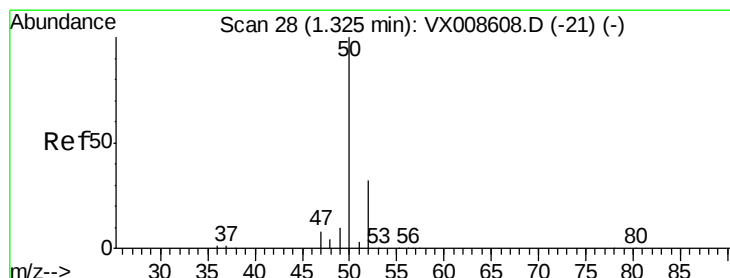
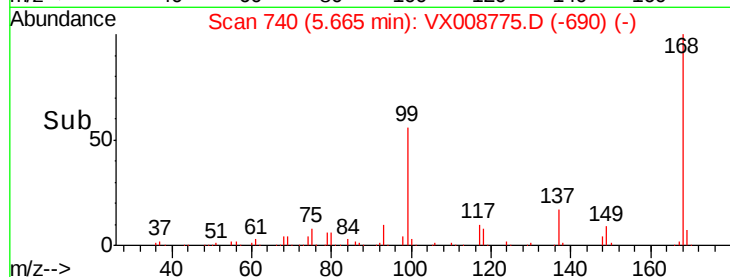
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008775.D

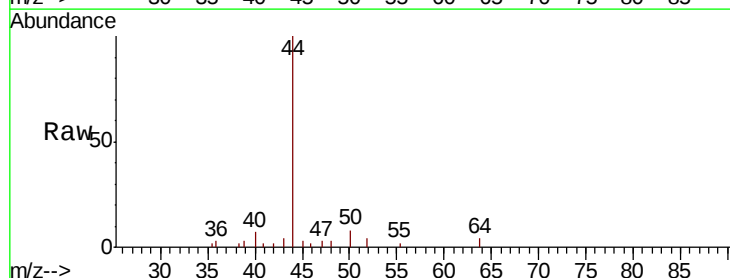
Acq: 09 Apr 2019 16:59

Tgt Ion: 50 Resp: 277

Ion Ratio Lower Upper

50 100

52 52.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

150

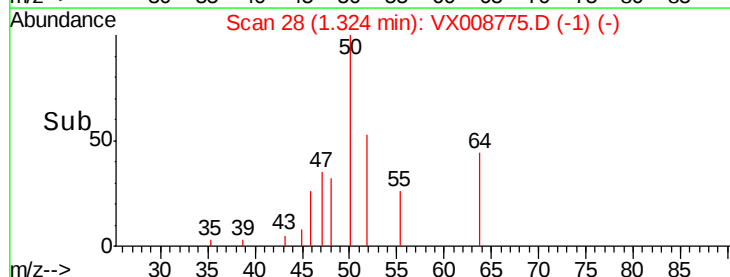
100

50

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 1.976 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

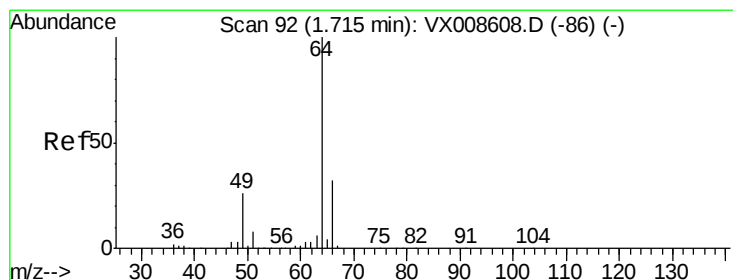
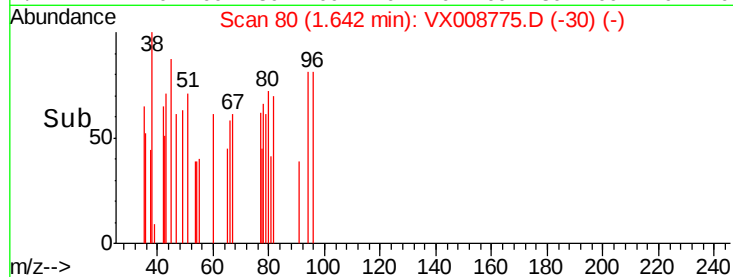
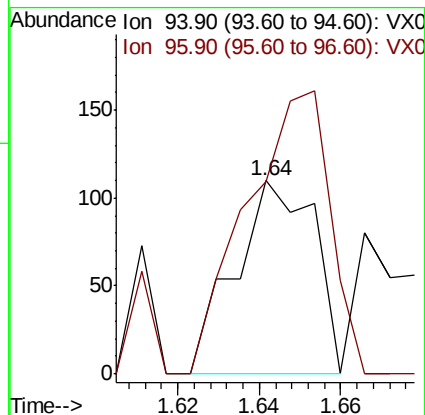
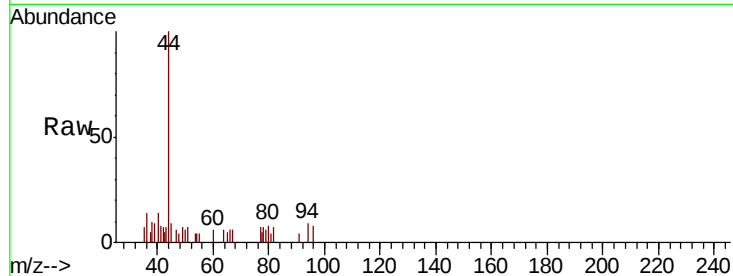
TP-1-WATER

Tot Ion: 94 Resp: 149

Ion Ratio Lower Upper

94 100

96 99.1 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008775.D

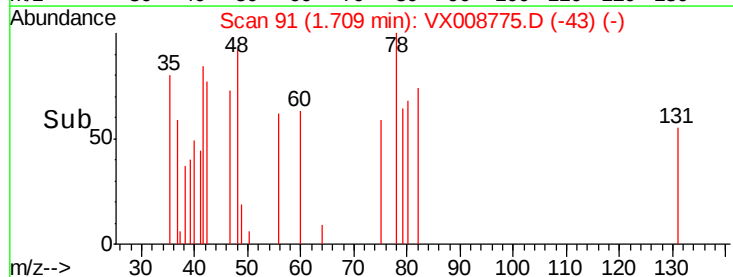
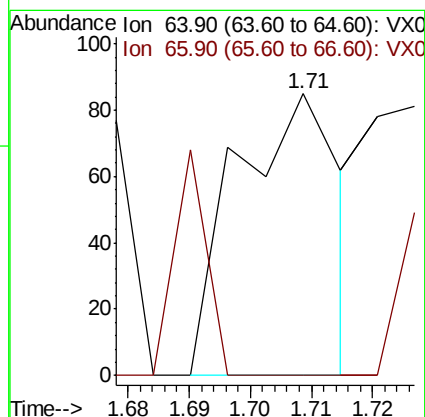
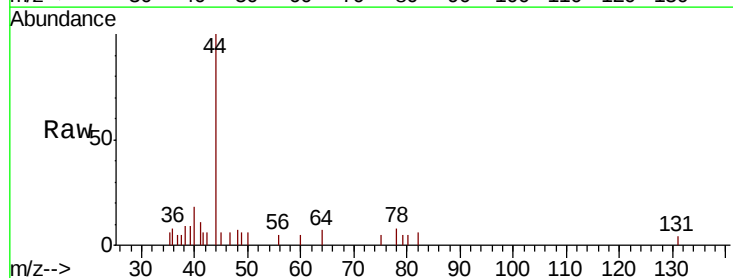
Acq: 09 Apr 2019 16:59

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

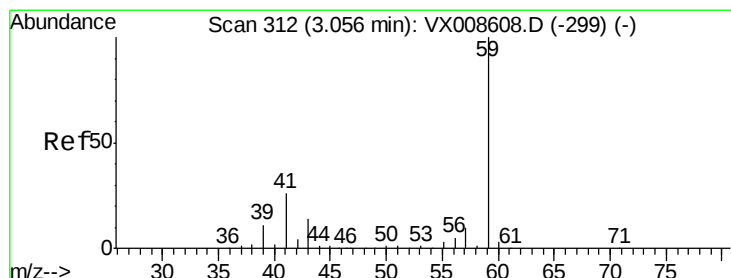
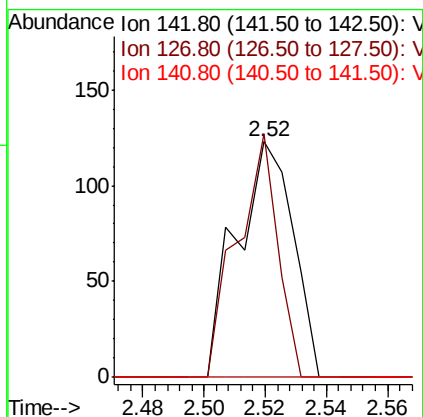
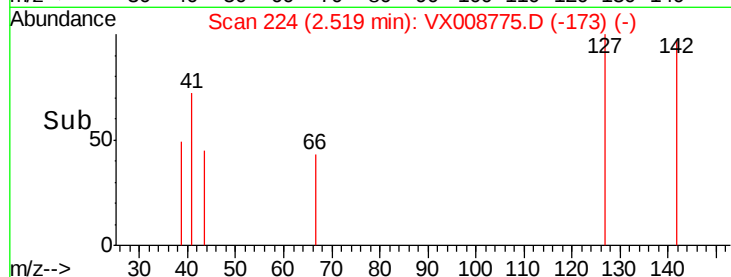
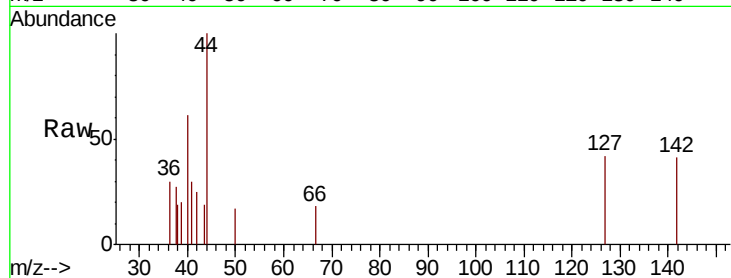




#10
Methvl Iodide
Concen: 4.072 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008775.D
Acq: 09 Apr 2019 16:59

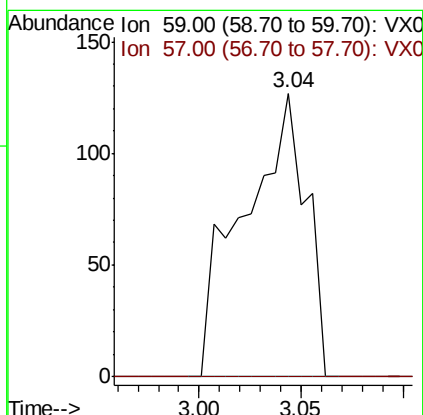
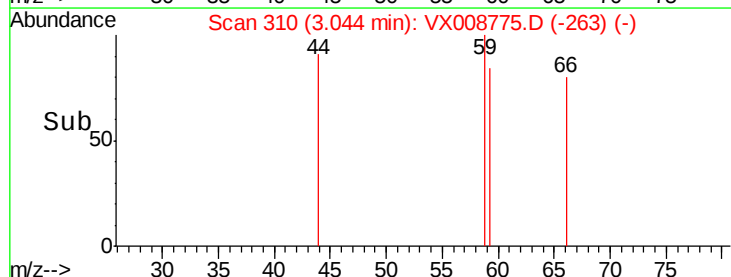
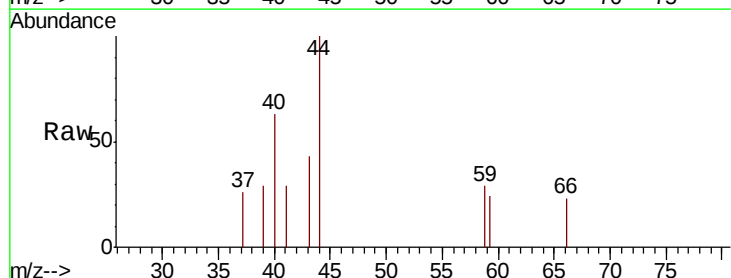
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WATER

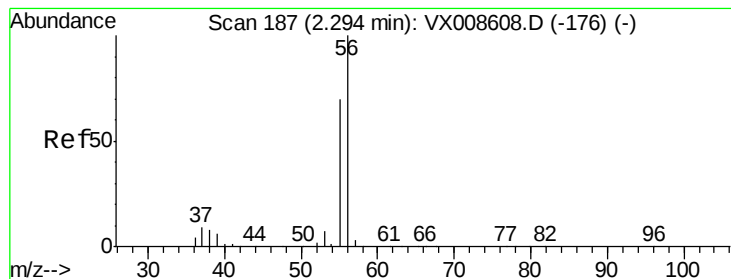
Tot Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 73.9 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008775.D
Acq: 09 Apr 2019 16:59

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.574 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

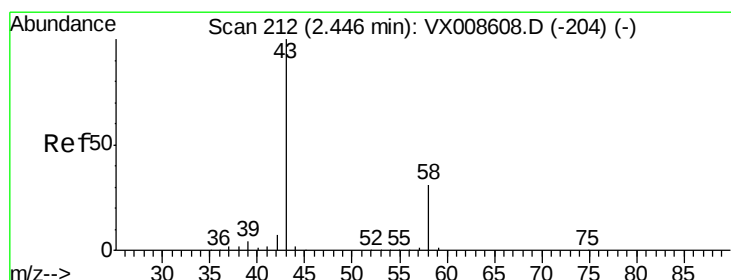
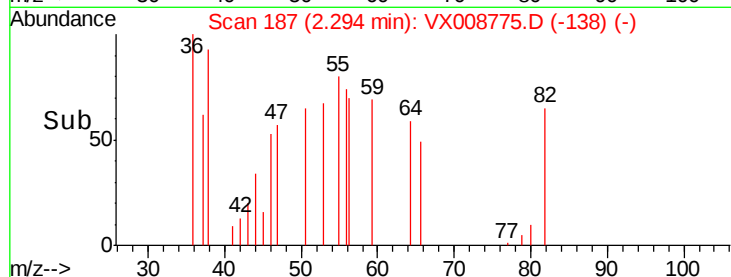
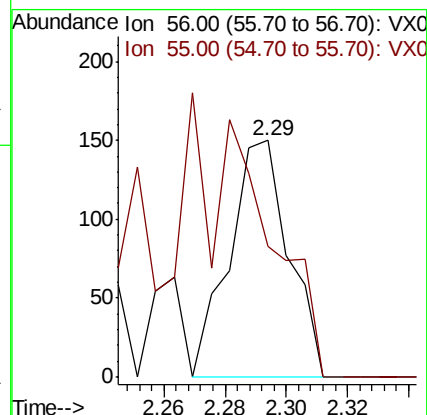
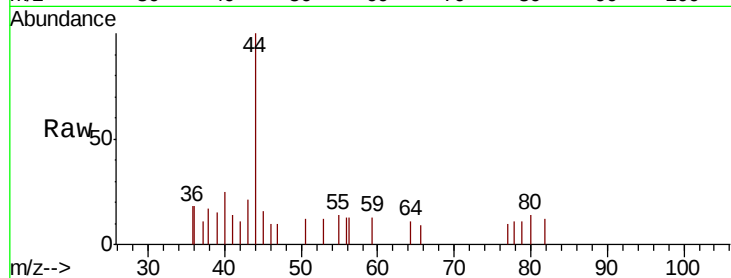
TP-1-WATER

Tot Ion: 56 Resp: 201

Ion Ratio Lower Upper

56 100

55 0.0 58.0 87.0#



#16

Acetone

Concen: 3.425 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008775.D

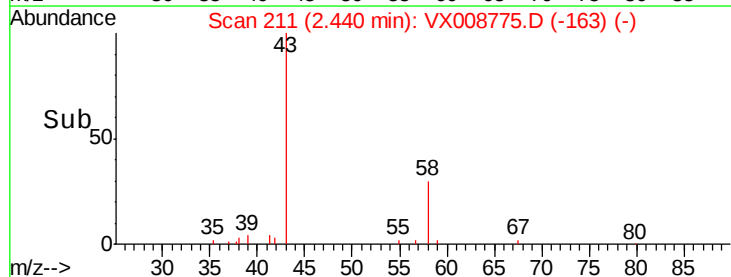
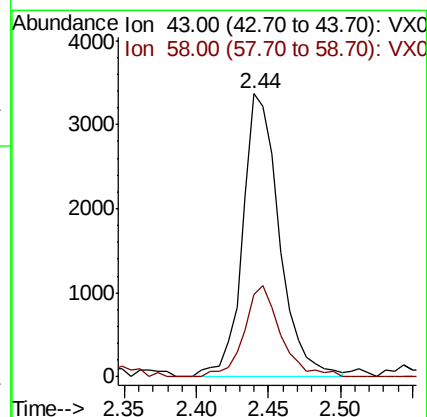
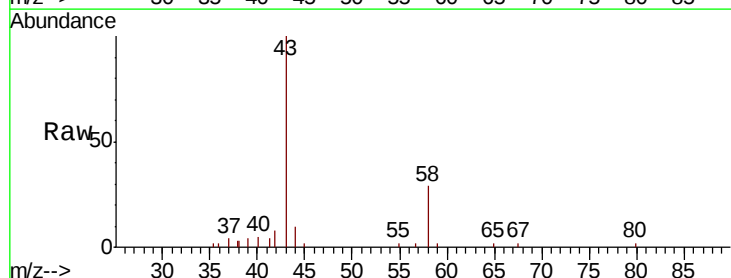
Acq: 09 Apr 2019 16:59

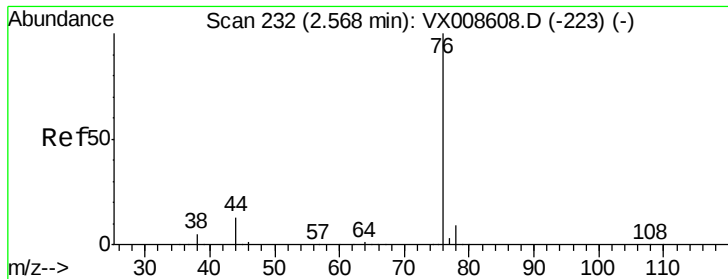
Tgt Ion: 43 Resp: 5953

Ion Ratio Lower Upper

43 100

58 29.3 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

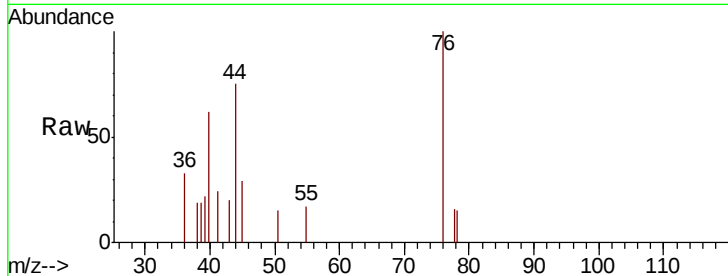
TP-1-WATER

Tot Ion: 76 Resp: 639

Ion Ratio Lower Upper

76 100

78 30.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

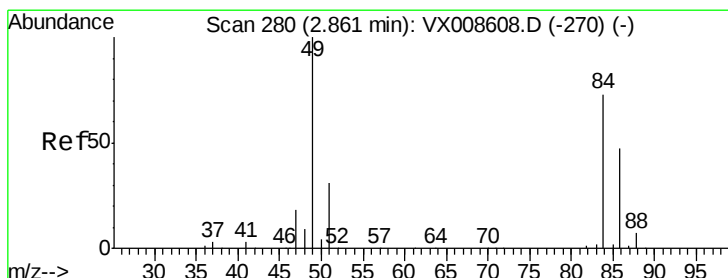
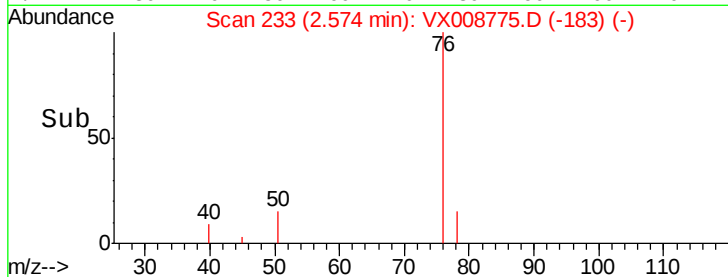
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.695 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Tgt Ion: 84 Resp: 2022

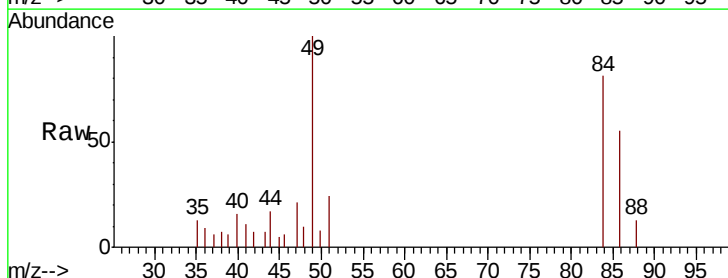
Ion Ratio Lower Upper

84 100

49 122.9 109.7 164.5

51 29.6 33.6 50.4#

86 68.2 51.4 77.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2000

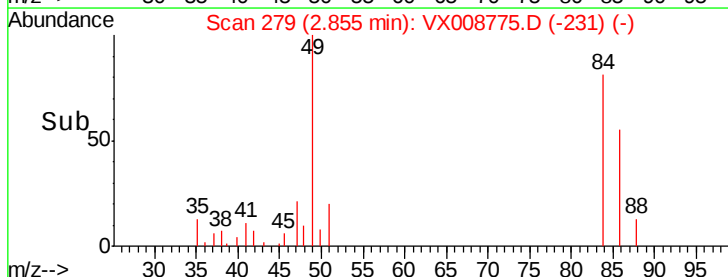
1500

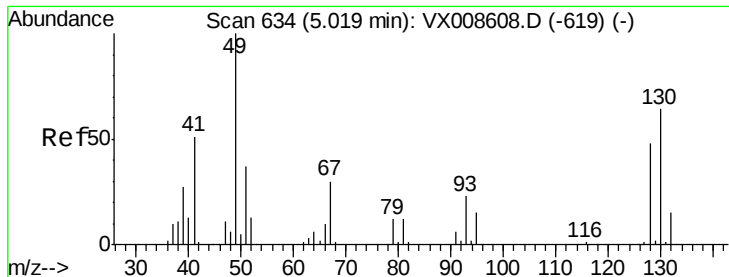
1000

500

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TP-1-WATER

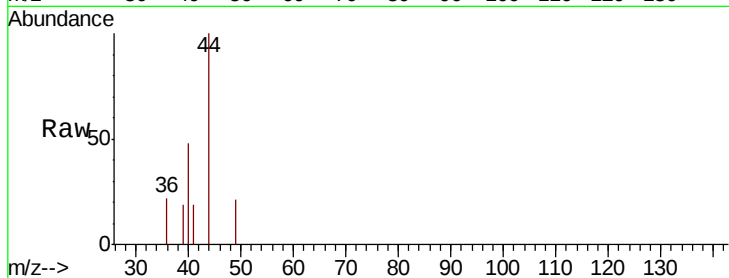
Tot Ion: 49 Resp: 26

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

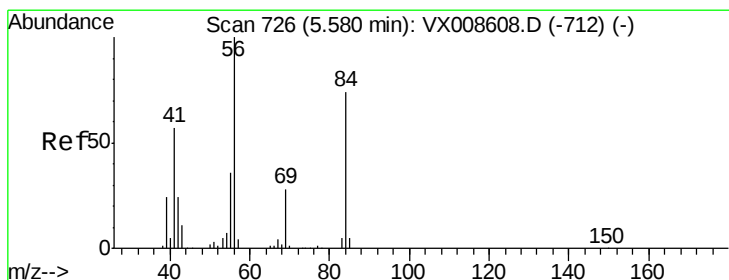
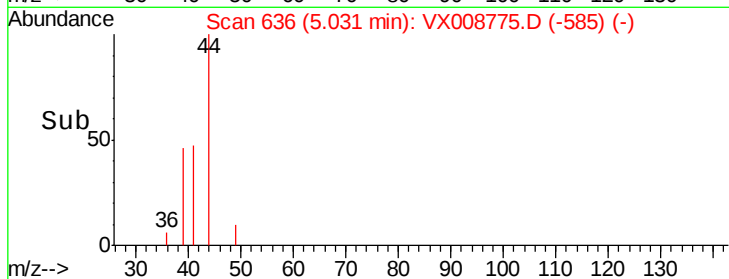
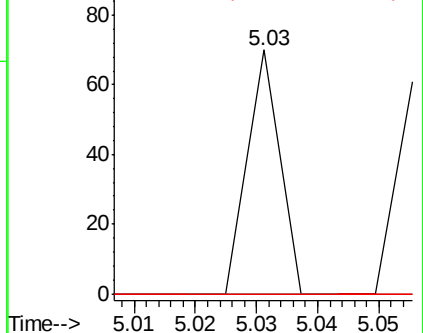
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.909 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

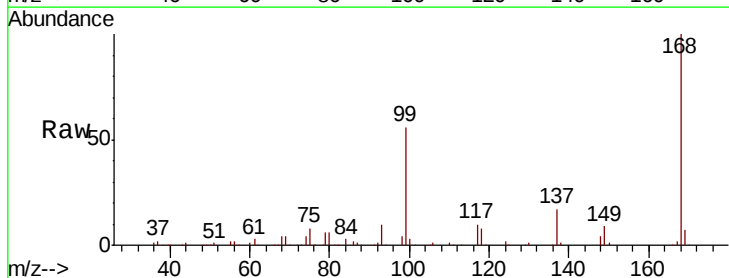
Tgt Ion: 56 Resp: 4737

Ion Ratio Lower Upper

56 100

69 162.3 22.6 33.8#

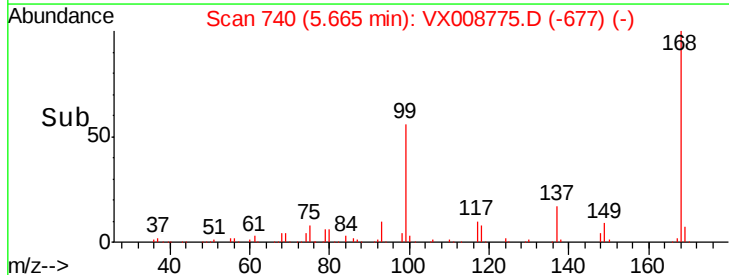
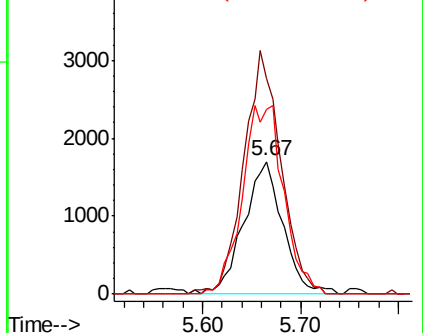
84 139.1 59.3 88.9#

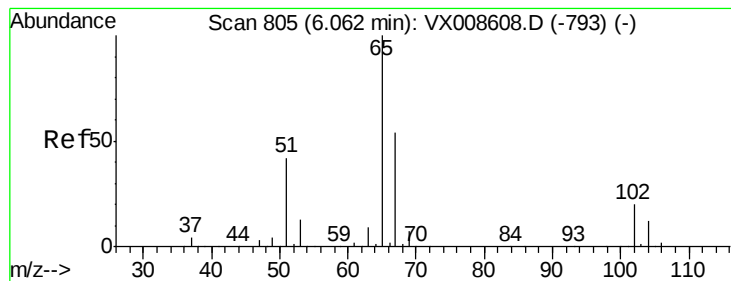


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.417 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

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ClientSampleId :

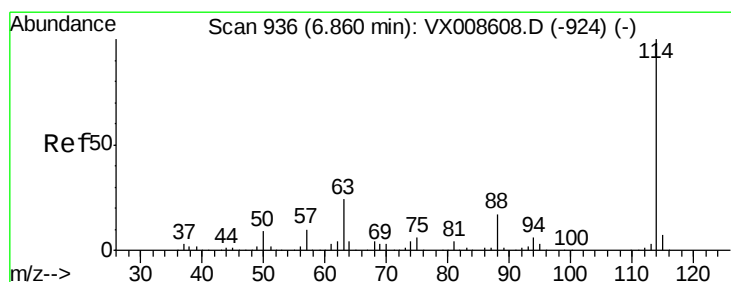
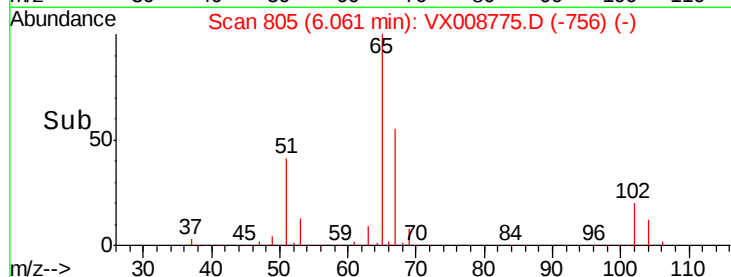
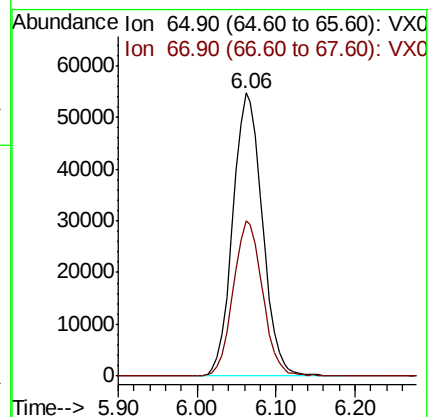
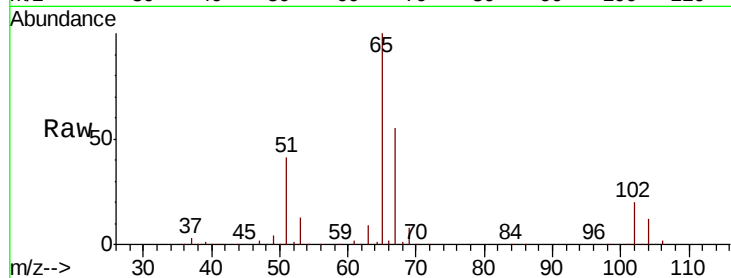
TP-1-WATER

Tot Ion: 65 Resp: 143095

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

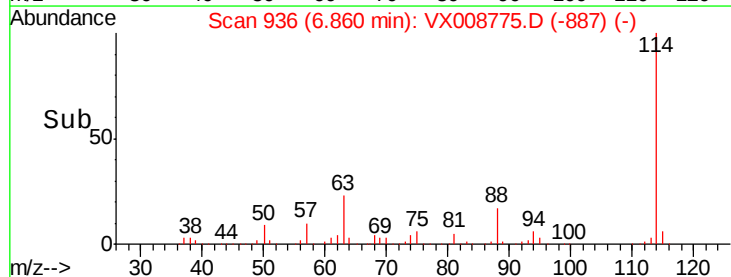
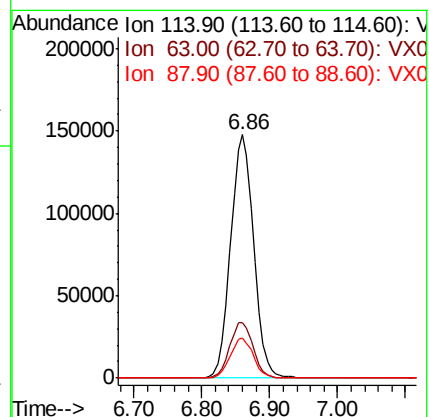
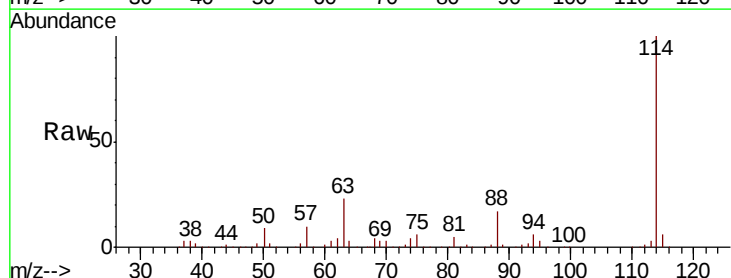
Tgt Ion: 114 Resp: 346559

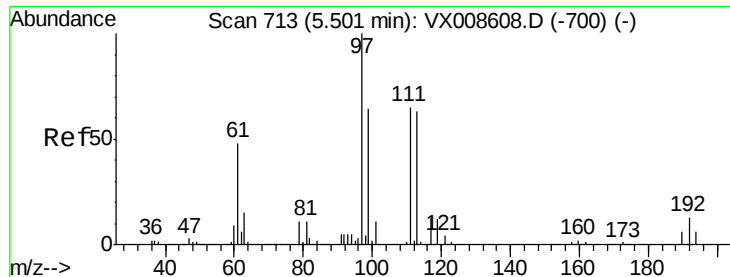
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

88 16.6 0.0 34.0

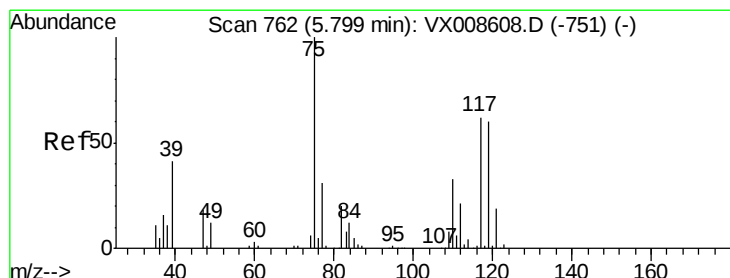
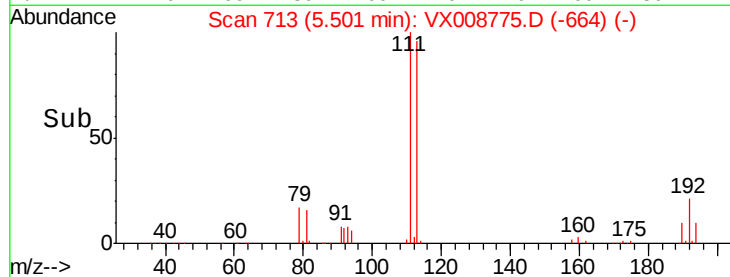
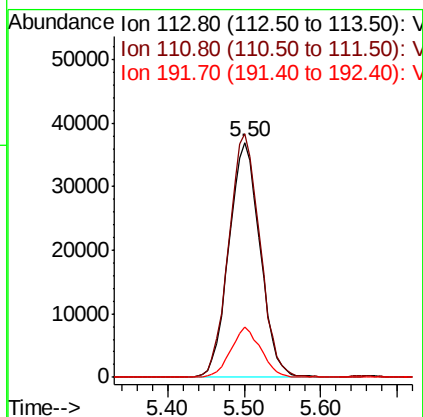
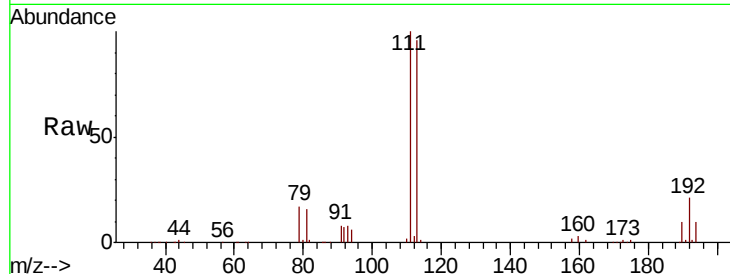




#35
 Dibromofluoromethane
 Concen: 47.067 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008775.D
 Acq: 09 Apr 2019 16:59

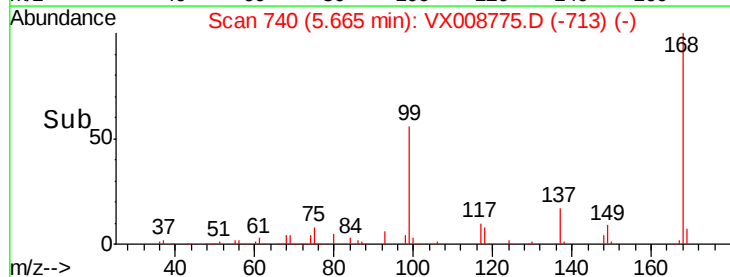
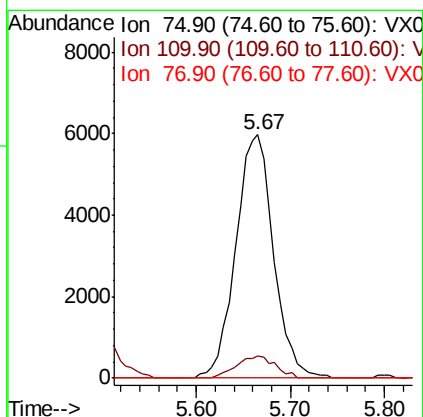
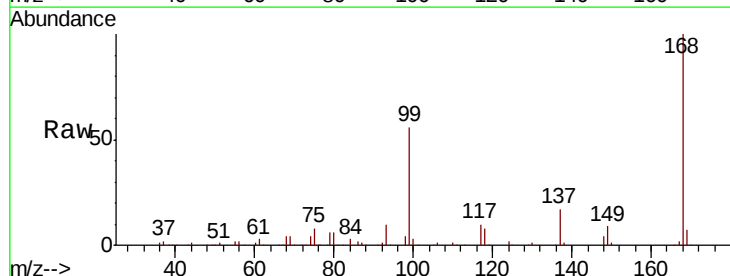
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-WATER

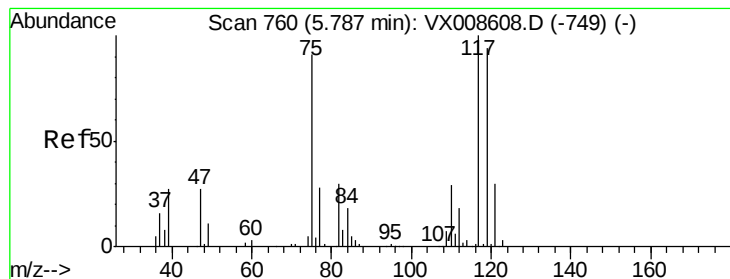
Tot Ion:113 Resp: 104289
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.4 125.2
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.396 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008775.D
 Acq: 09 Apr 2019 16:59

Tgt Ion: 75 Resp: 16653
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TP-1-WATER

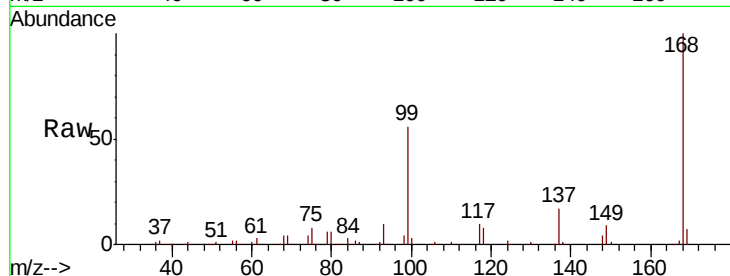
Tot Ion:117 Resp: 20142

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

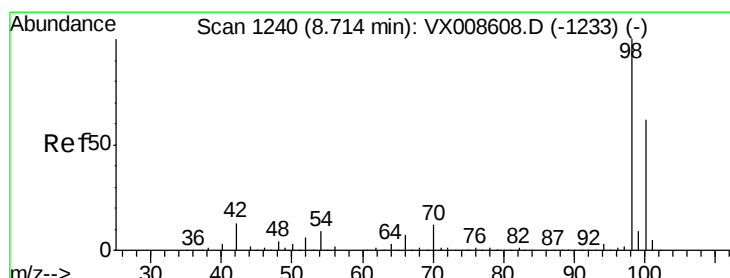
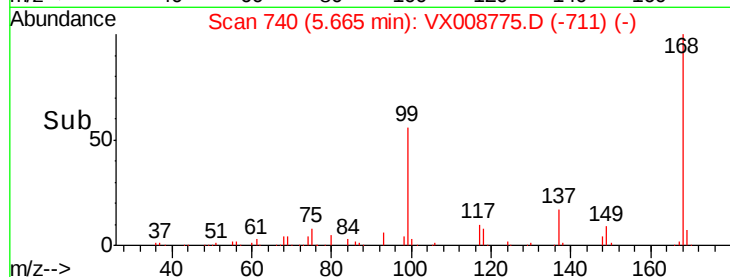
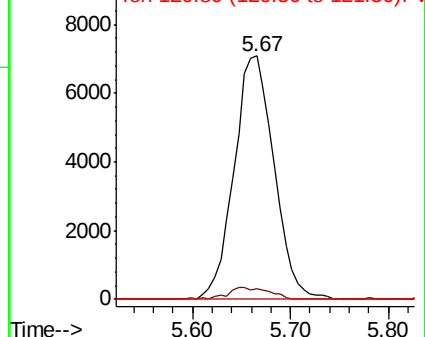
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 48.563 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008775.D

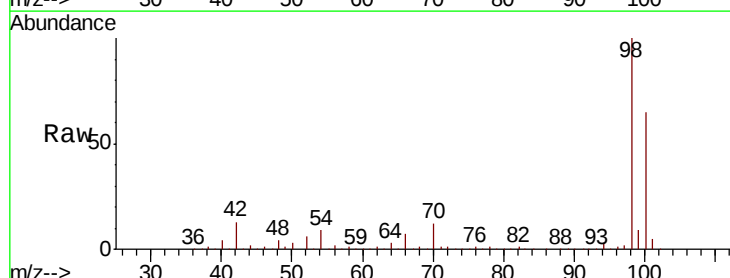
Acq: 09 Apr 2019 16:59

Tgt Ion: 98 Resp: 428455

Ion Ratio Lower Upper

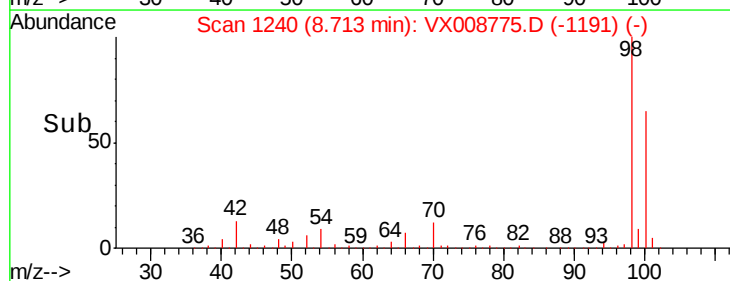
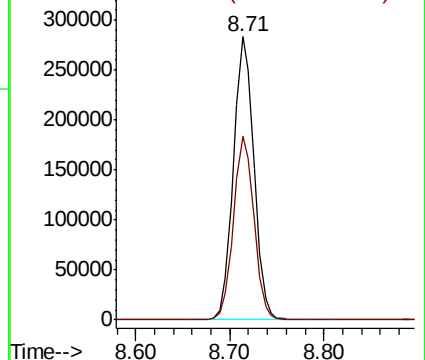
98 100

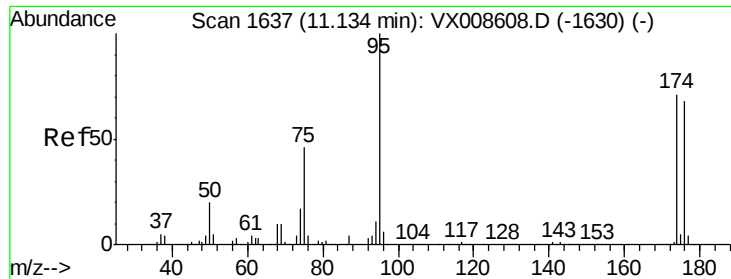
100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.745 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TP-1-WATER

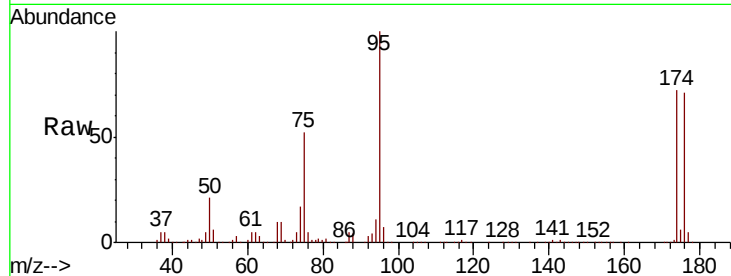
Tot Ion: 95 Resp: 139990

Ion Ratio Lower Upper

95 100

174 77.9 0.0 151.8

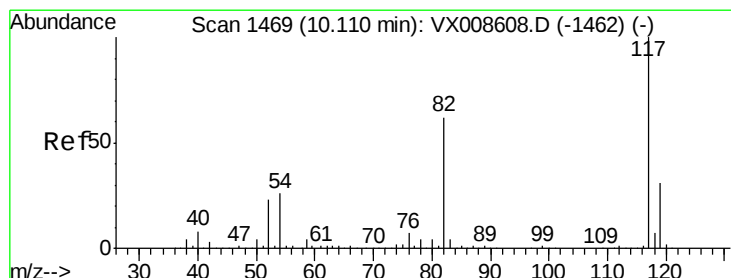
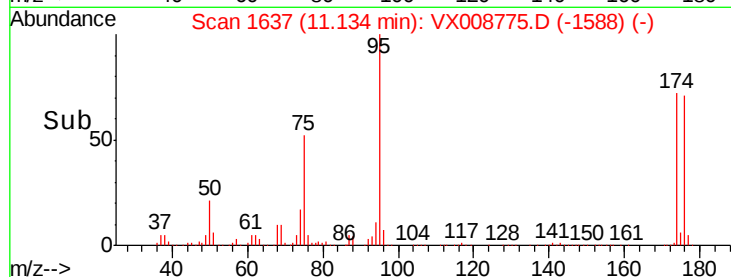
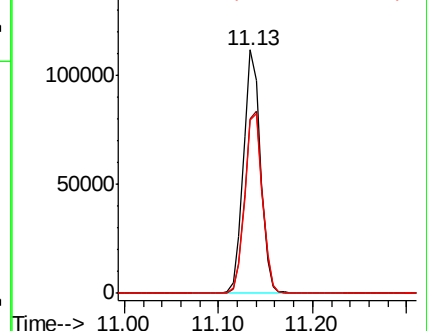
176 76.2 0.0 145.8



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: VX008775.D

Acq: 09 Apr 2019 16:59

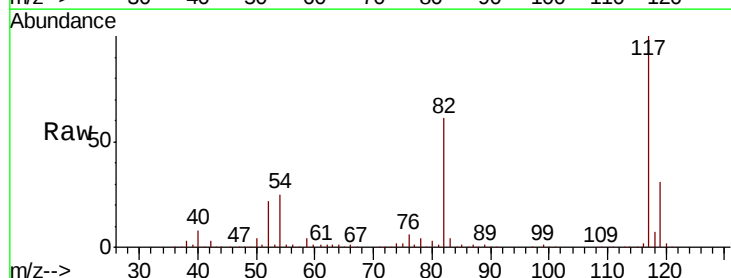
Tgt Ion: 117 Resp: 295233

Ion Ratio Lower Upper

117 100

82 60.5 49.6 74.4

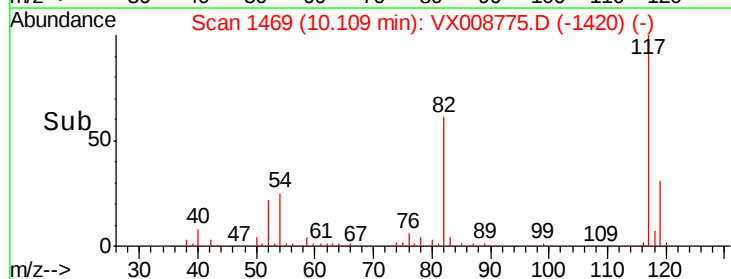
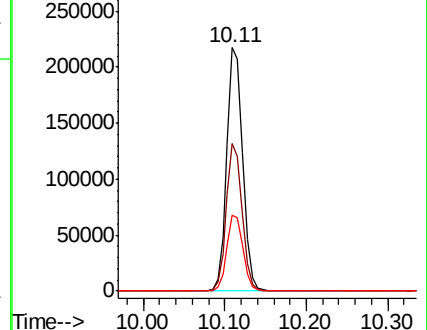
119 31.3 25.0 37.4

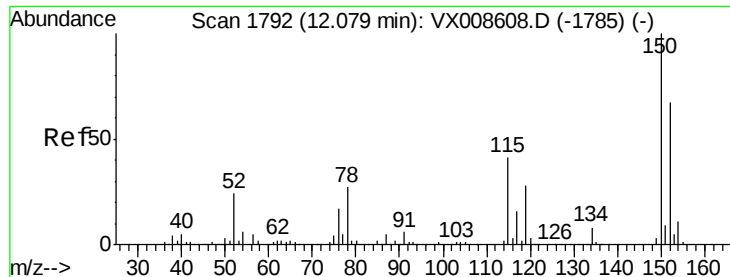


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

TP-1-WATER

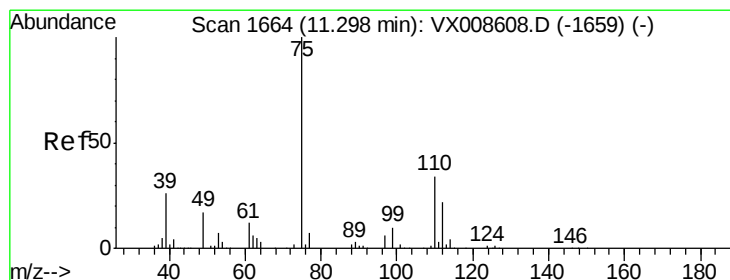
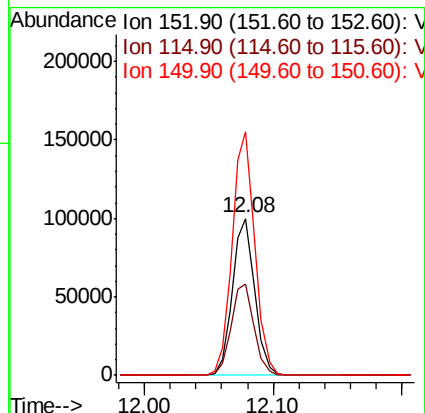
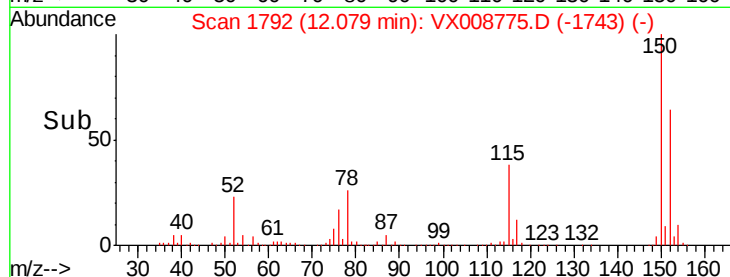
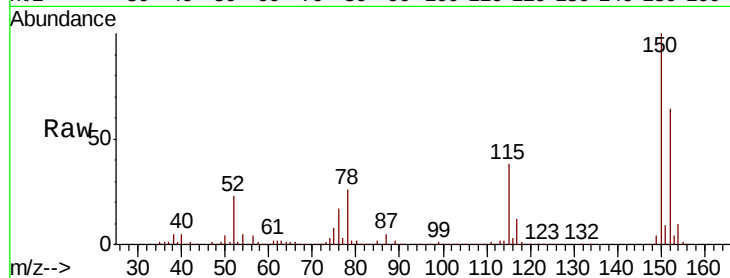
Tot Ion:152 Resp: 122171

Ion Ratio Lower Upper

152 100

115 59.5 43.5 130.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 21.271 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008775.D

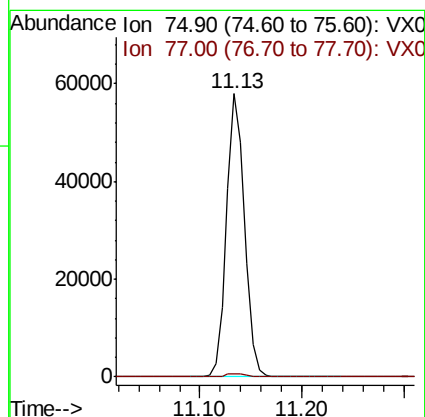
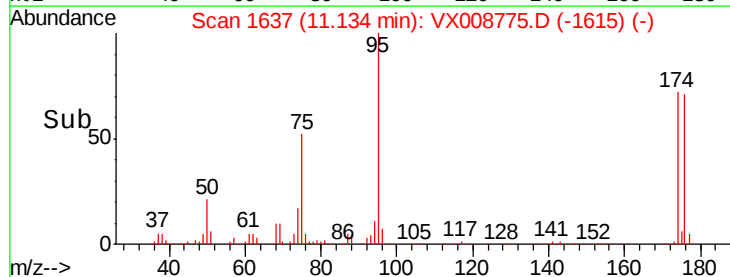
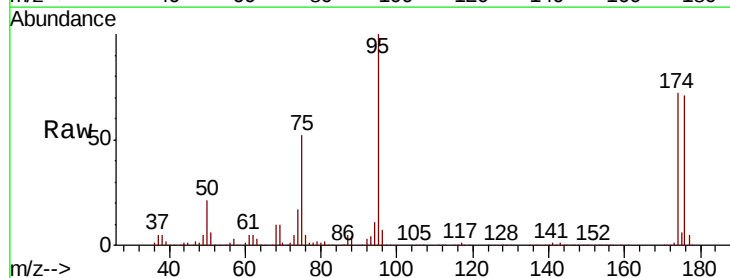
Acq: 09 Apr 2019 16:59

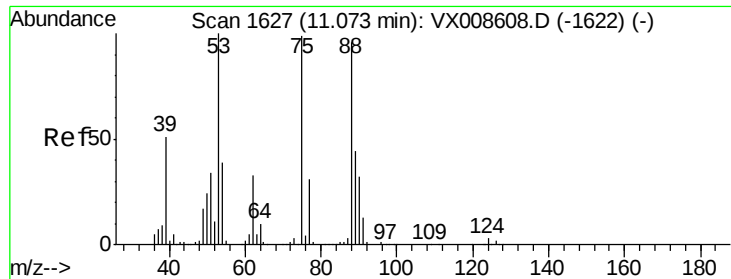
Tgt Ion: 75 Resp: 71390

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.636 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008775.D

Acq: 09 Apr 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TP-1-WATER

Tot Ion: 75 Resp: 71390

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

