

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010297.D
 Acq On : 14 Jun 2019 13:56
 Operator : JC/SP
 Sample : K3341-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-6-12-19

Quant Time: Jun 15 01:20:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200793	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	141131	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
35) Dibromofluoromethane	5.50	113	142622	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	551420	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	188349	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

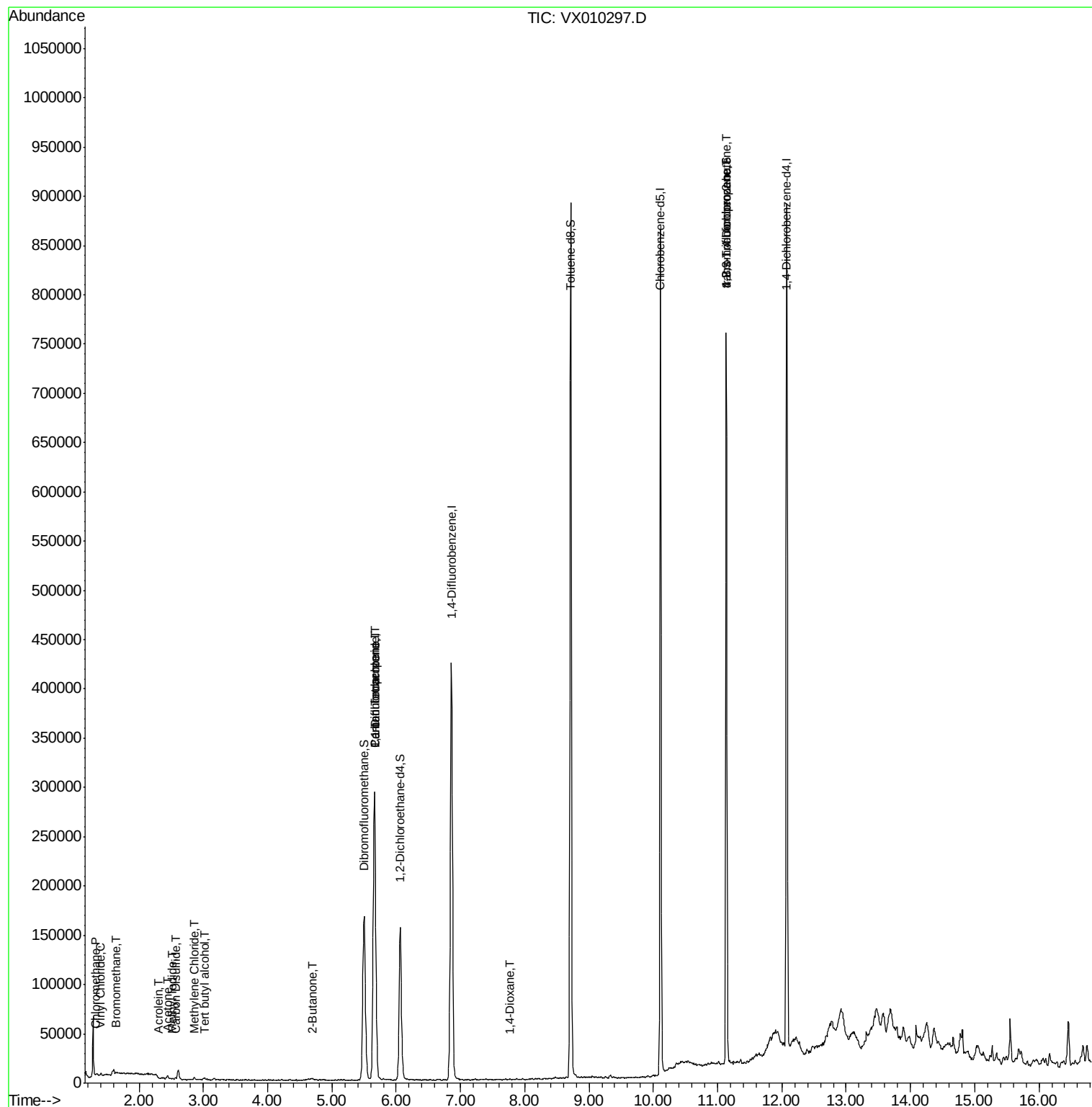
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	795	0.278	ug/l #	84
4) Vinyl Chloride	1.41	62	889	0.331	ug/l	95
5) Bromomethane	1.65	94	792	0.781	ug/l #	65
10) Methyl Iodide	2.52	142	1857	0.435	ug/l	89
11) Tert butyl alcohol	3.02	59	1508	2.015	ug/l #	73
13) Acrolein	2.31	56	102	0.748	ug/l #	1
16) Acetone	2.44	43	3723	2.591	ug/l	98
17) Carbon Disulfide	2.57	76	2081	0.256	ug/l #	94
20) Methylene Chloride	2.85	84	913	0.289	ug/l #	77
25) 2-Butanone	4.70	43	697	0.326	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	18373	4.789	ug/l #	52
38) Carbon Tetrachloride	5.67	117	26851	6.183	ug/l #	16
49) 1,4-Dioxane	7.77	88	23	0.258	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88017	21.915	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88017	48.420	ug/l #	10

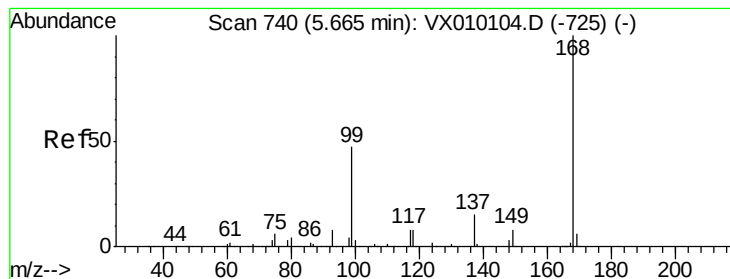
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 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: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

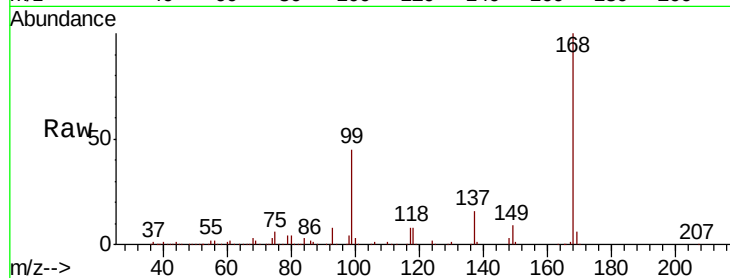
TB-6-12-19

Tot Ion:168 Resp: 312957

Ion Ratio Lower Upper

168 100

99 44.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

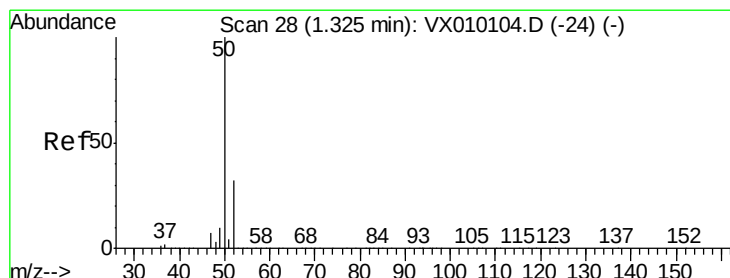
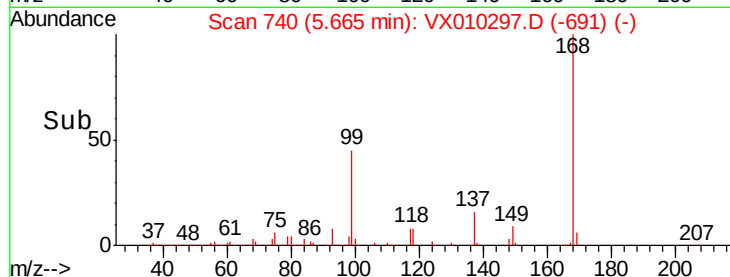
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010297.D

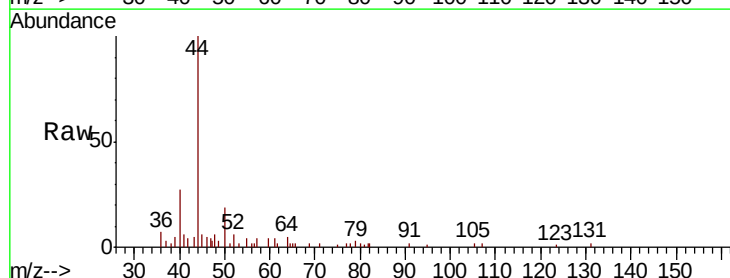
Acq: 14 Jun 2019 13:56

Tgt Ion: 50 Resp: 795

Ion Ratio Lower Upper

50 100

52 23.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

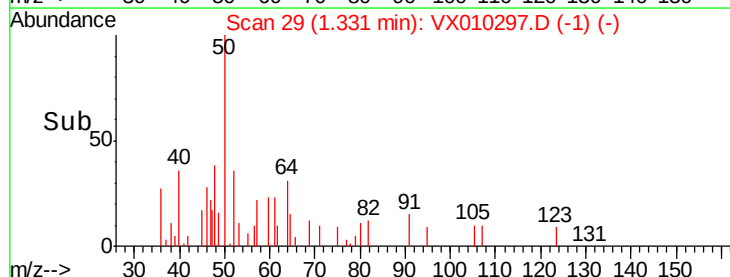
600

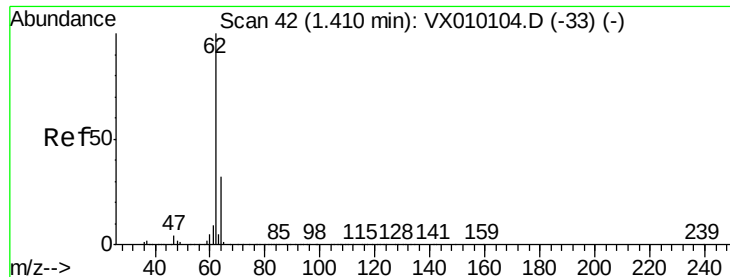
400

200

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.331 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

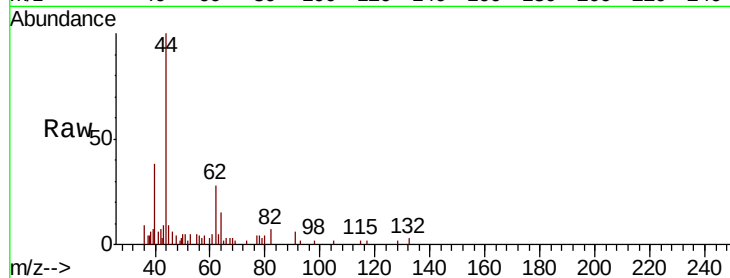
TB-6-12-19

Tot Ion: 62 Resp: 889

Ion Ratio Lower Upper

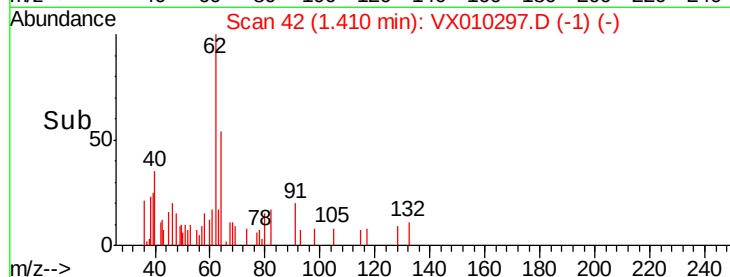
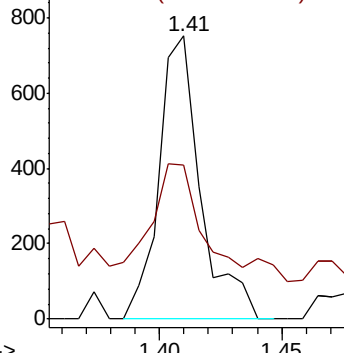
62 100

64 35.0 25.7 38.5

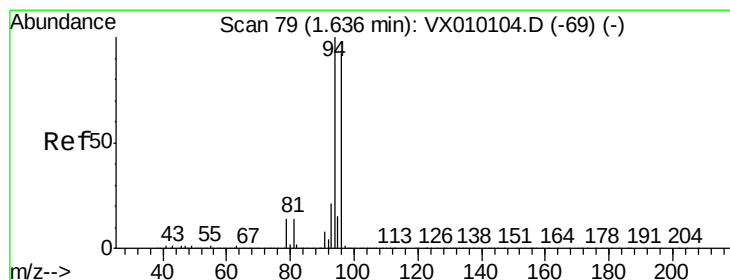


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.781 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010297.D

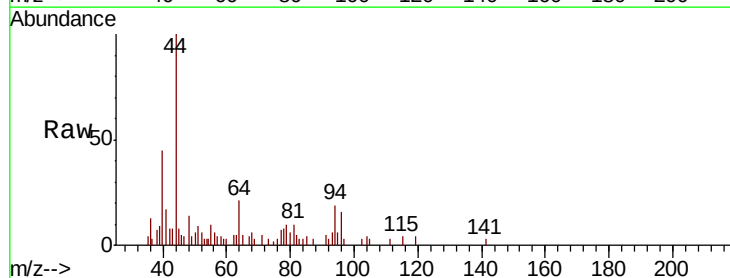
Acq: 14 Jun 2019 13:56

Tgt Ion: 94 Resp: 792

Ion Ratio Lower Upper

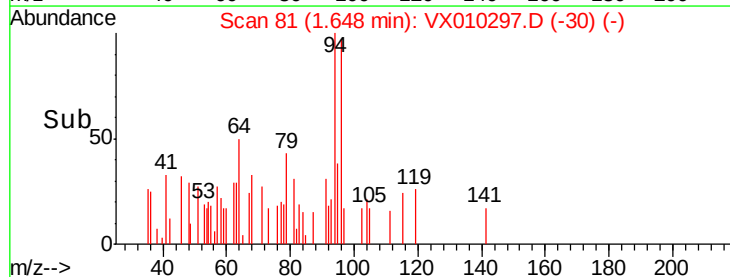
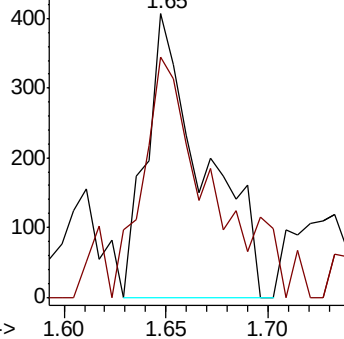
94 100

96 60.9 76.2 114.4#

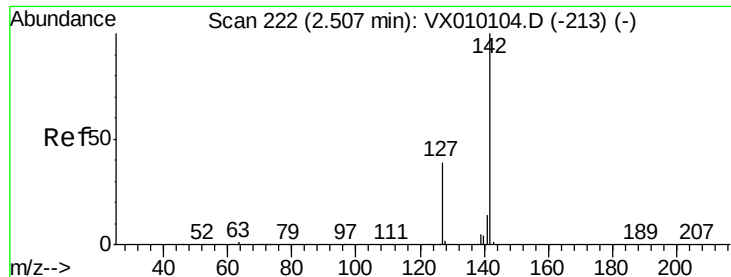


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



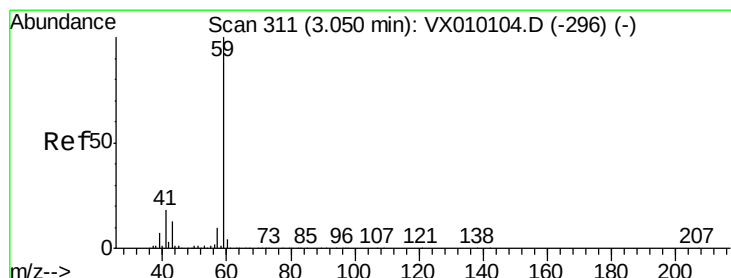
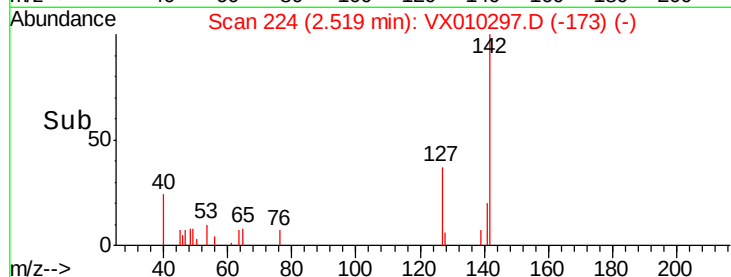
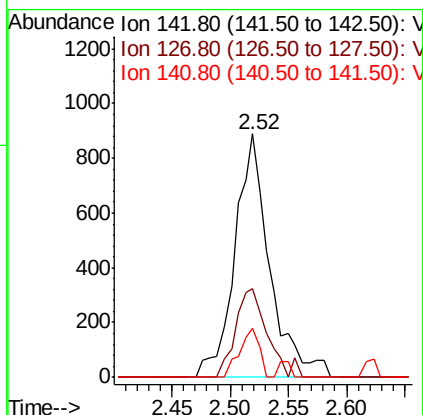
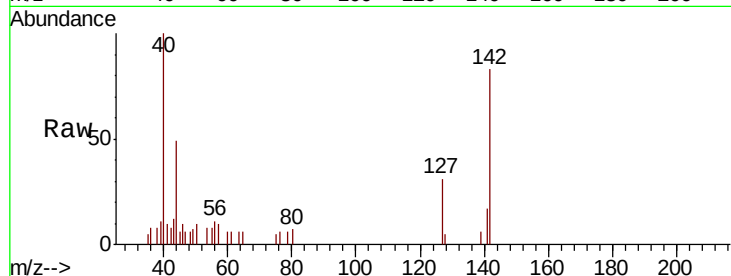
Time-->



#10
Methvl Iodide
Concen: 0.435 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

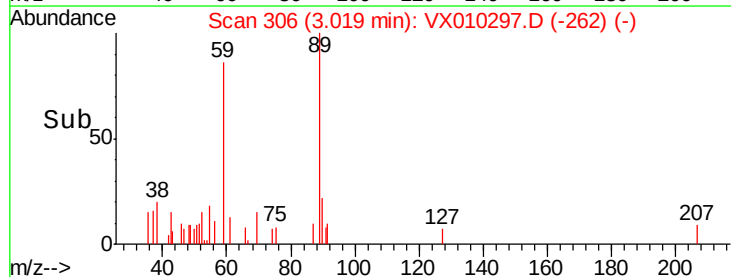
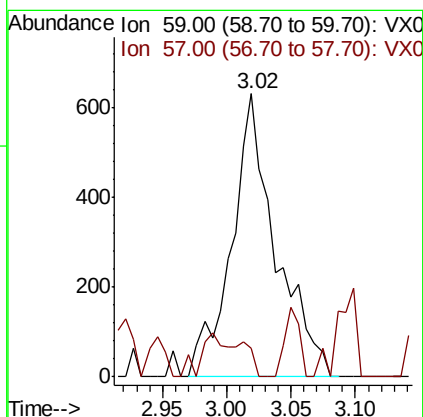
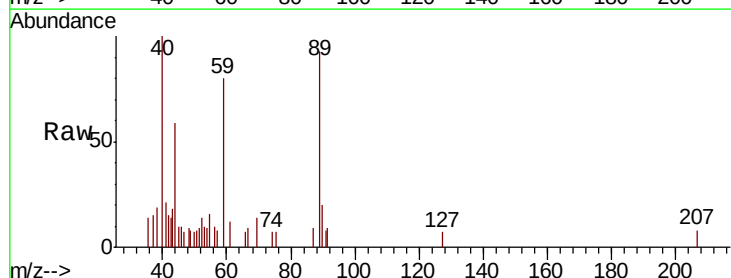
Instrument :
MSVOA_X
ClientSampleId :
TB-6-12-19

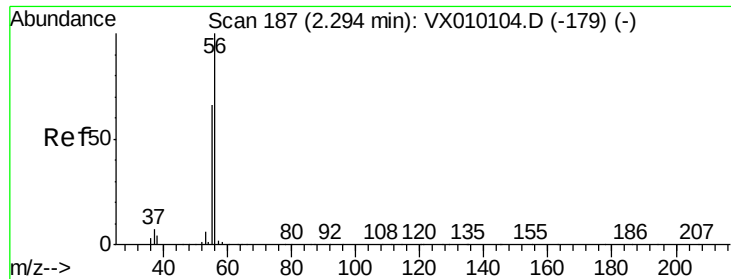
Tot Ion	Ratio	Lower	Upper
142	100		
127	33.2	33.0	49.4
141	11.4	11.4	17.0



#11
Tert butyl alcohol
Concen: 2.015 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

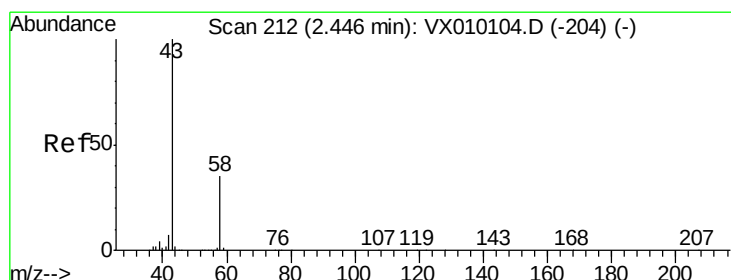
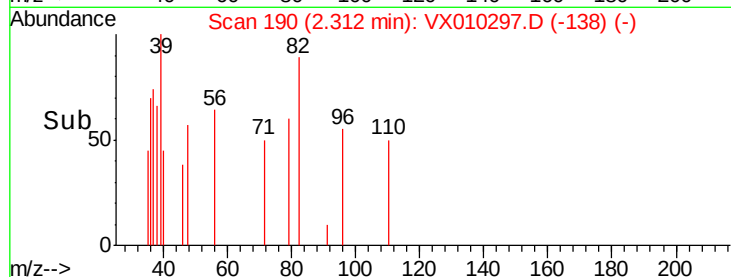
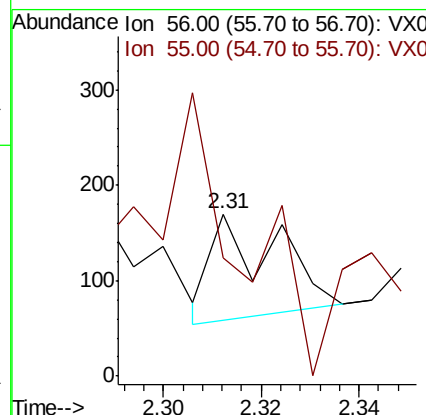
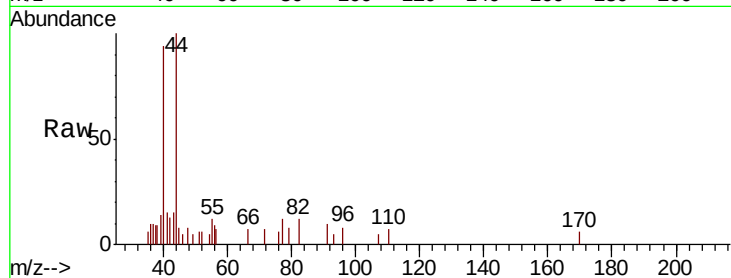




#13
Acrolein
Concen: 0.748 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

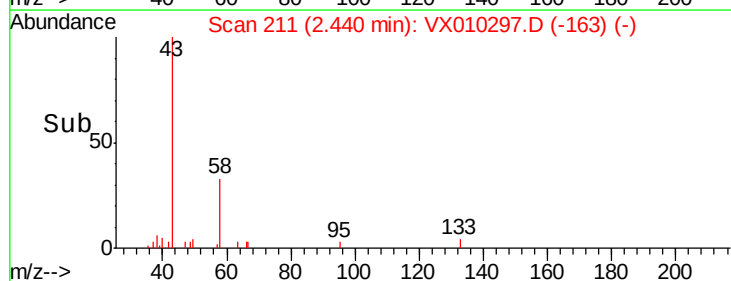
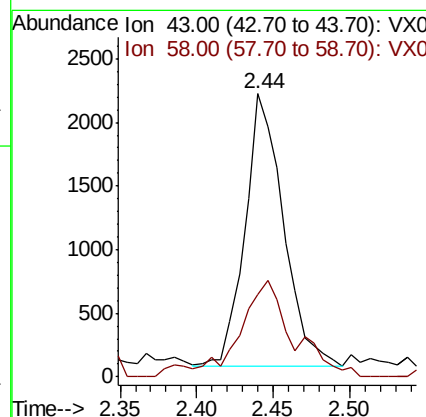
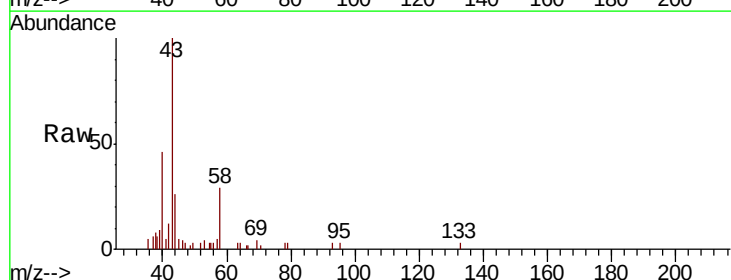
Instrument :
MSVOA_X
ClientSampled :
TB-6-12-19

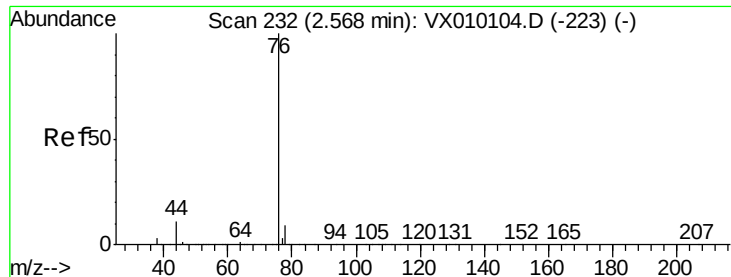
Tot Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 251.0 57.0 85.4#



#16
Acetone
Concen: 2.591 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Tgt Ion: 43 Resp: 3723
Ion Ratio Lower Upper
43 100
58 27.8 23.2 34.8





#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

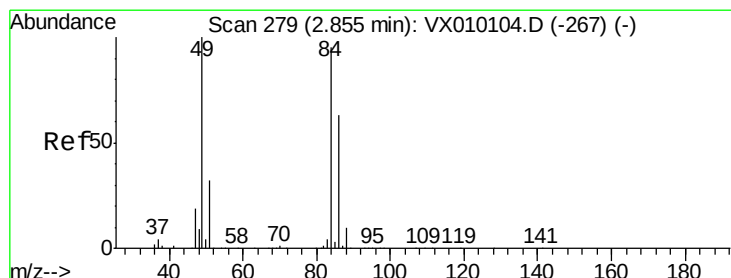
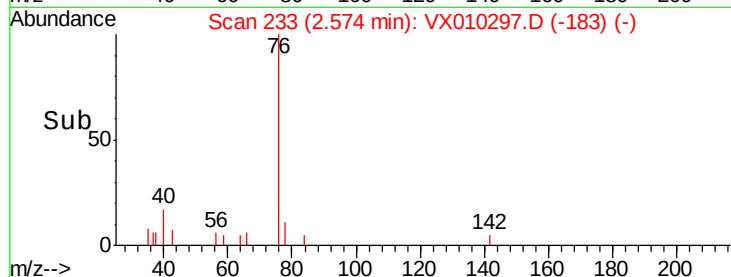
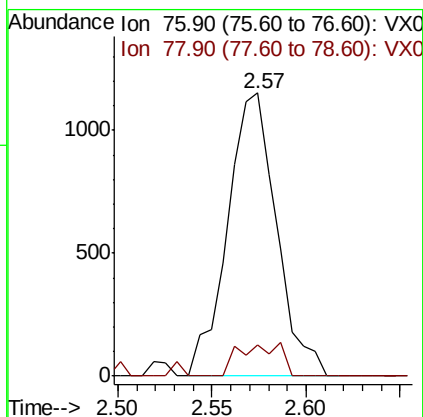
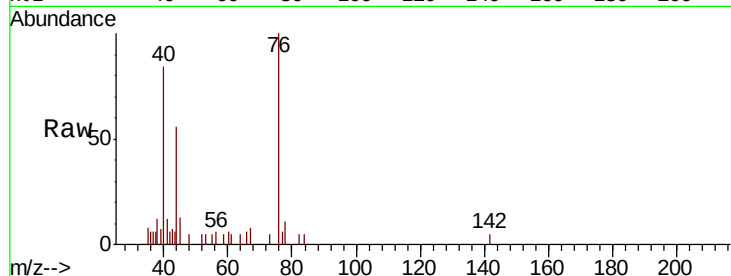
TB-6-12-19

Tot Ion: 76 Resp: 2081

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.6#



#20

Methylene Chloride

Concen: 0.289 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Tgt Ion: 84 Resp: 913

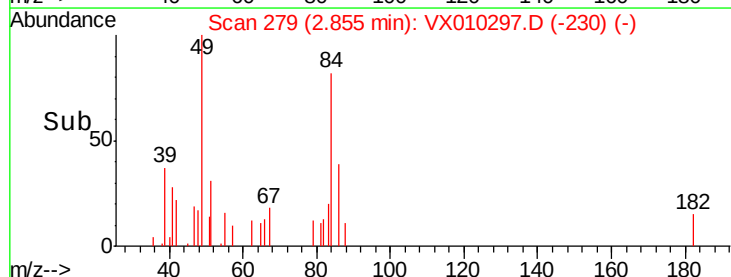
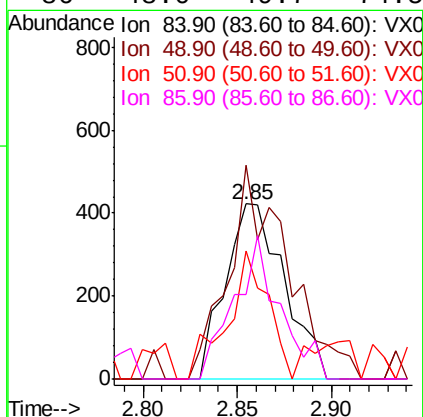
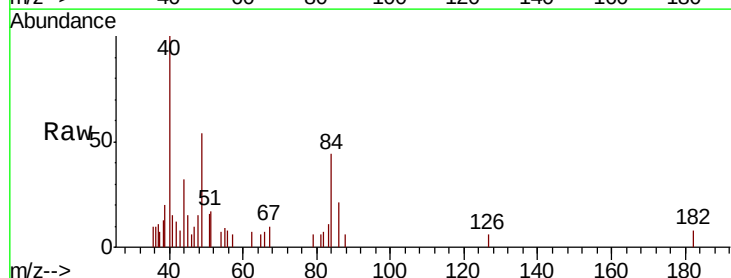
Ion Ratio Lower Upper

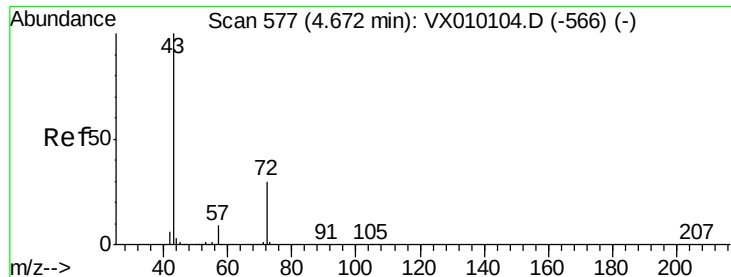
84 100

49 121.7 115.8 173.6

51 73.3 34.4 51.6#

86 48.0 49.7 74.5#





#25

2-Butanone

Concen: 0.326 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

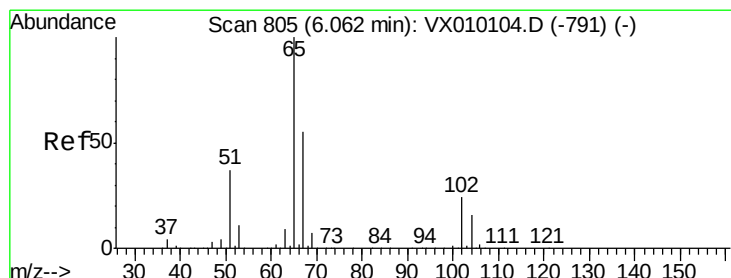
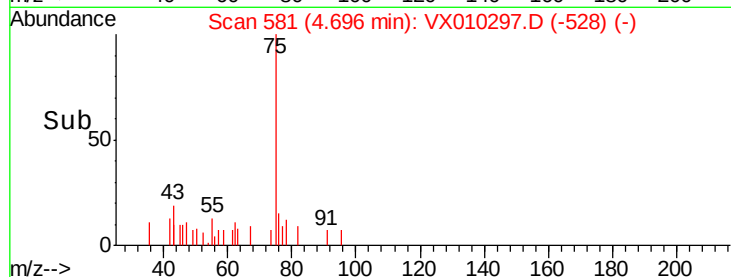
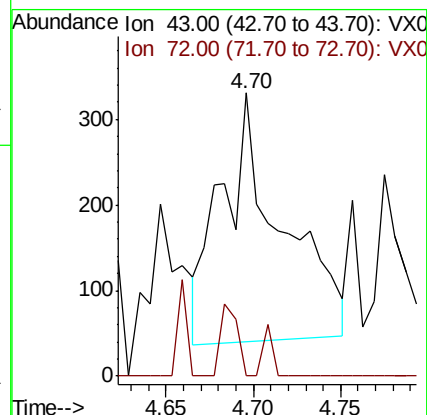
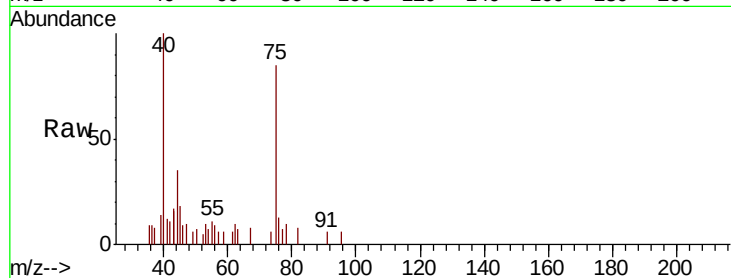
TB-6-12-19

Tot Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#33

1,2-Dichloroethane-d4

Concen: 46.199 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010297.D

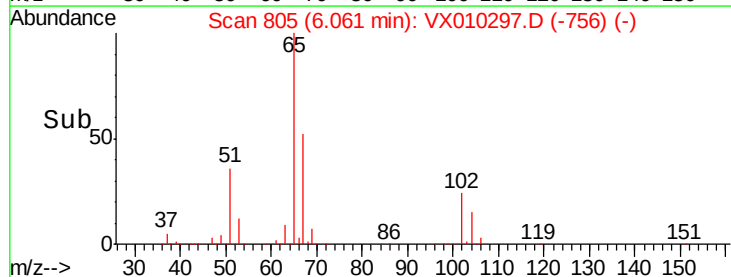
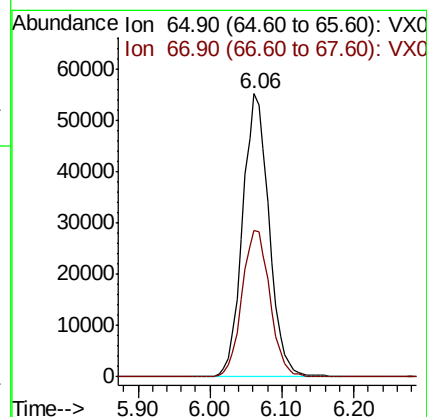
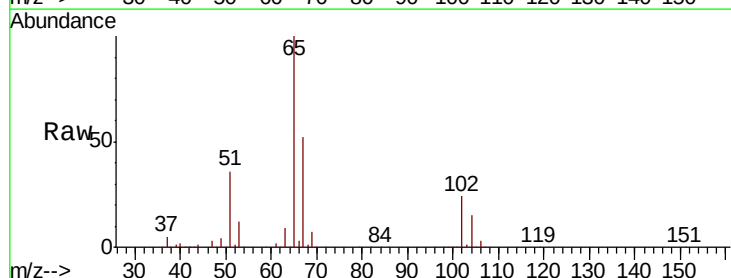
Acq: 14 Jun 2019 13:56

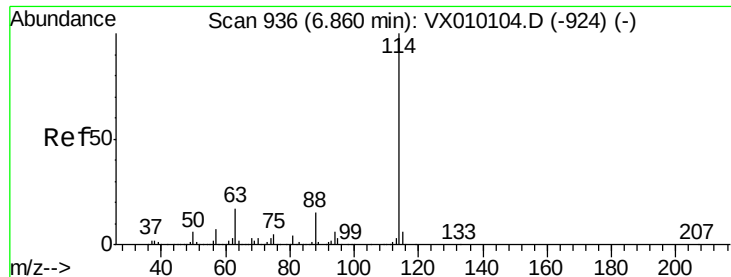
Tgt Ion: 65 Resp: 141131

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

TB-6-12-19

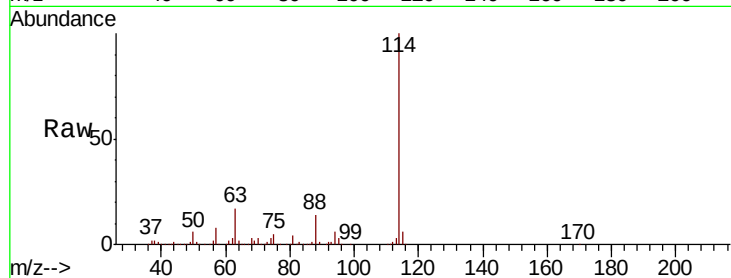
Tot Ion:114 Resp: 470241

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

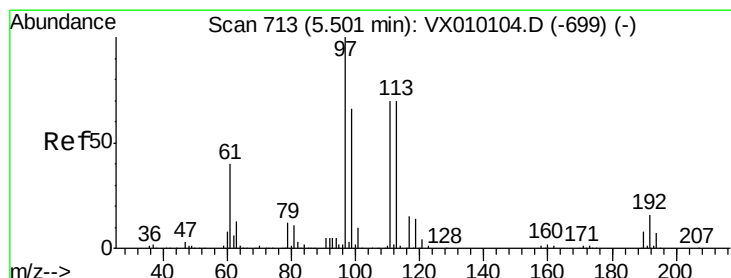
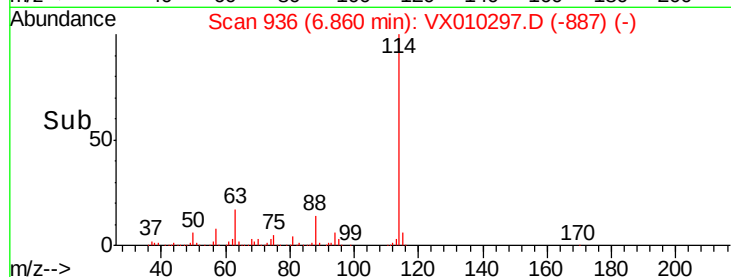
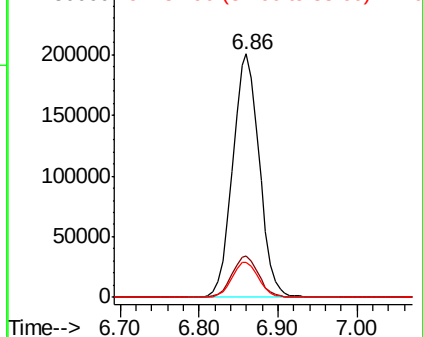
88 14.3 0.0 33.0



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: 49.171 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

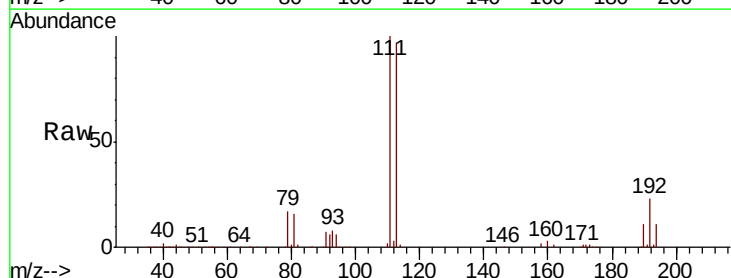
Tgt Ion:113 Resp: 142622

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

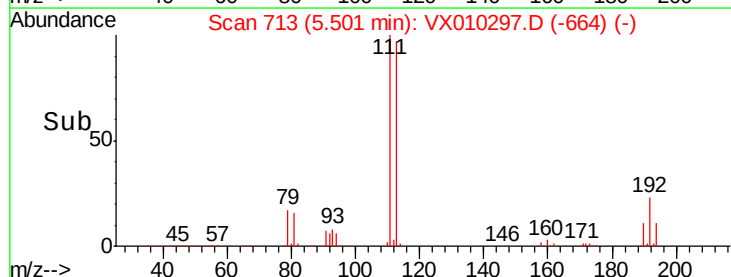
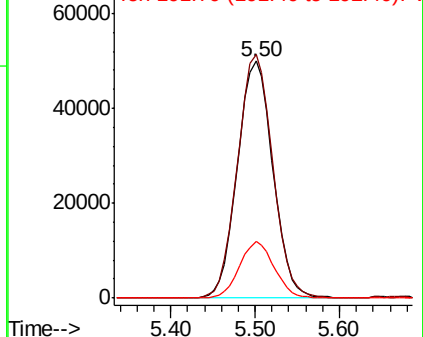
192 23.2 17.1 25.7

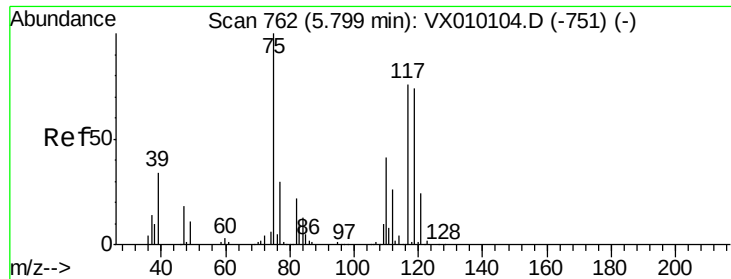


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

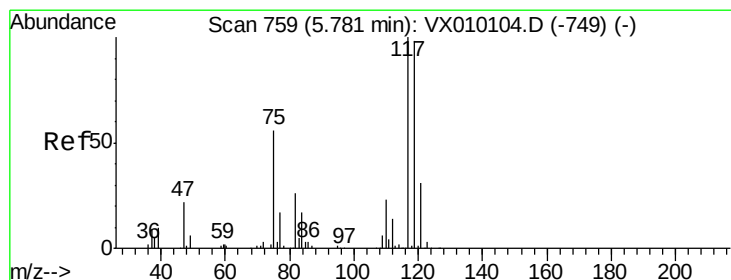
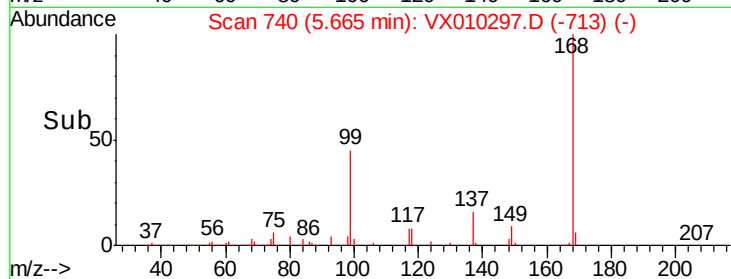
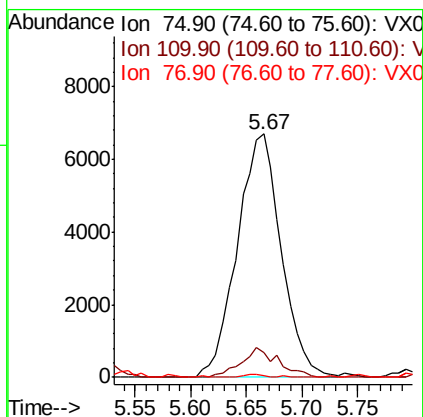
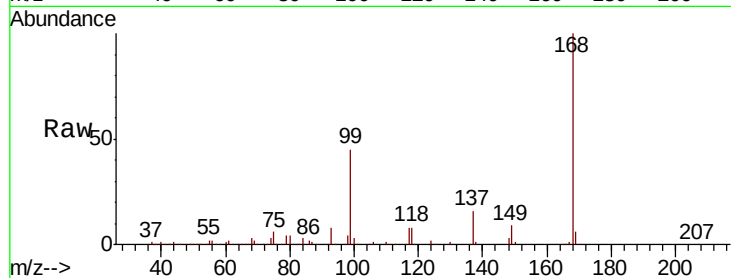




#36
 1,1-Dichloropropene
 Concen: 4.789 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010297.D
 Acq: 14 Jun 2019 13:56

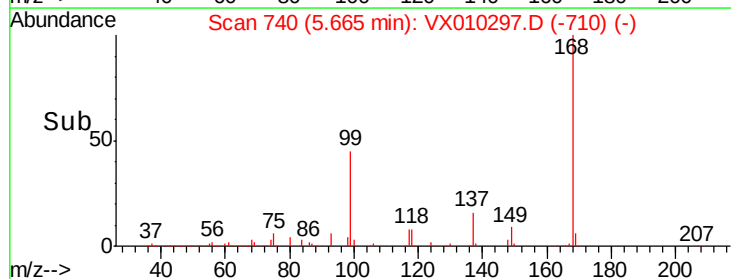
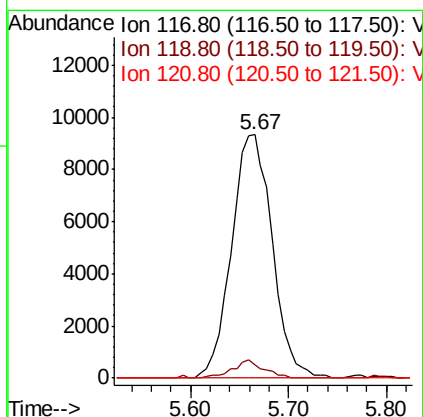
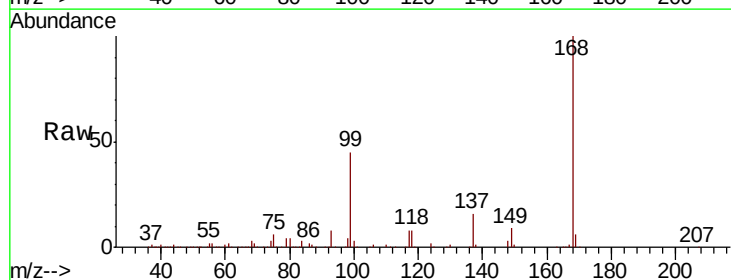
Instrument :
 MSVOA_X
 ClientSampled :
 TB-6-12-19

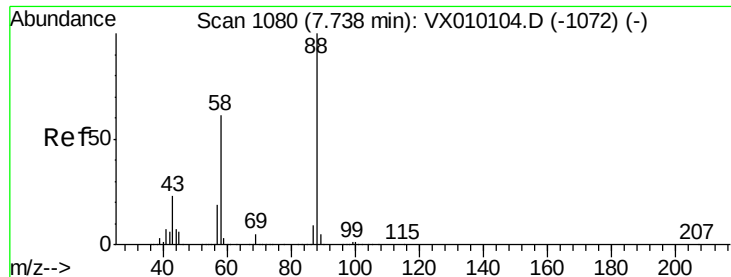
Tot Ion: 75 Resp: 18373
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.7 50.1#
 77 0.6 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.183 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010297.D
 Acq: 14 Jun 2019 13:56

Tgt Ion: 117 Resp: 26851
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.3 115.9#
 121 0.0 25.4 38.0#

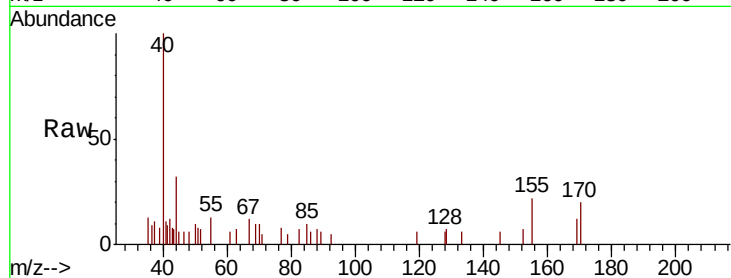




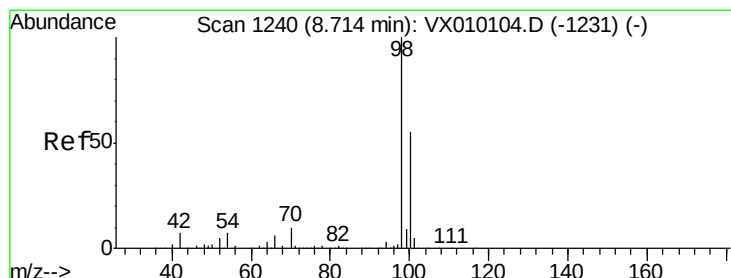
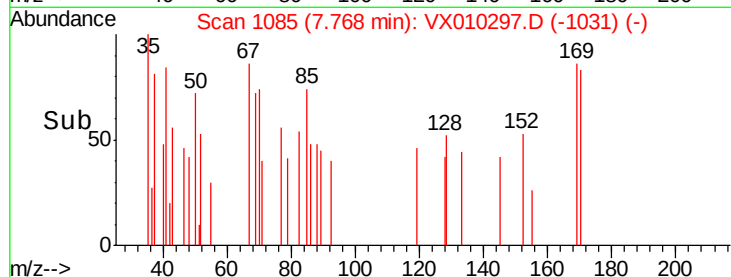
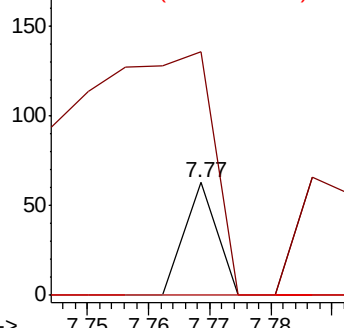
#49
1,4-Dioxane
Concen: 0.258 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Instrument :
MSVOA_X
ClientSampled :
TB-6-12-19

Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 804.3 30.2 45.4#
58 0.0 64.0 96.0#

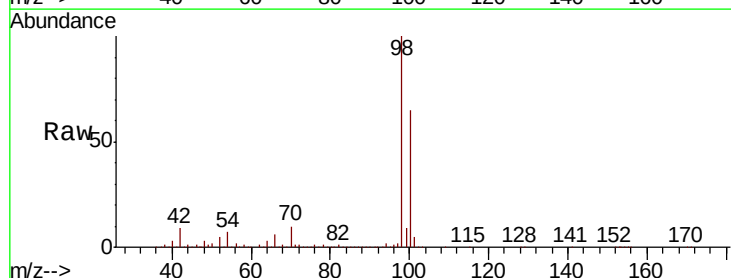


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

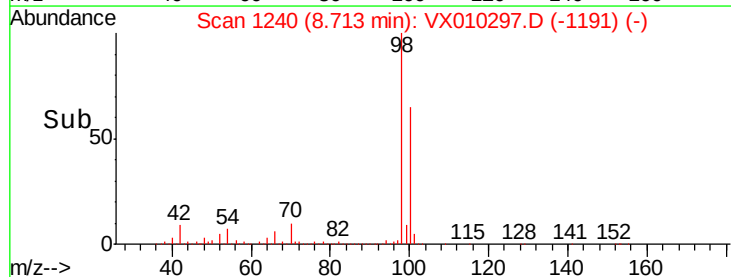
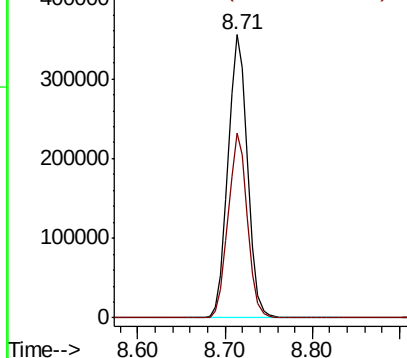


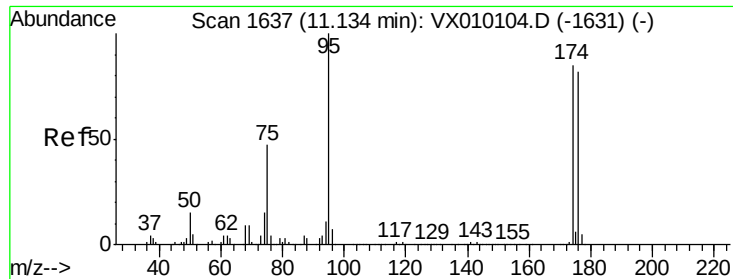
#50
Toluene-d8
Concen: 50.725 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Tgt Ion: 98 Resp: 551420
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

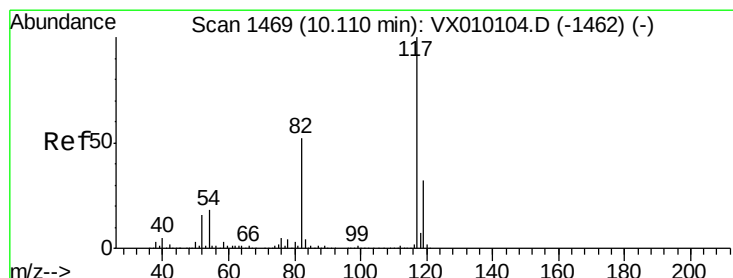
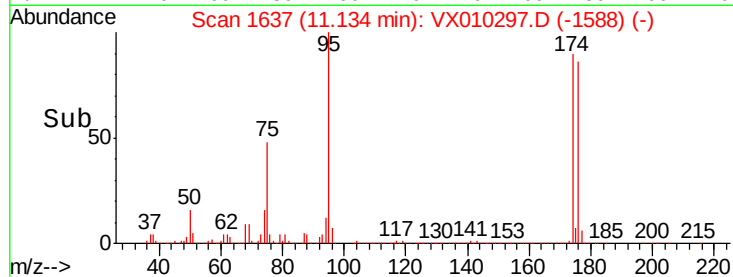
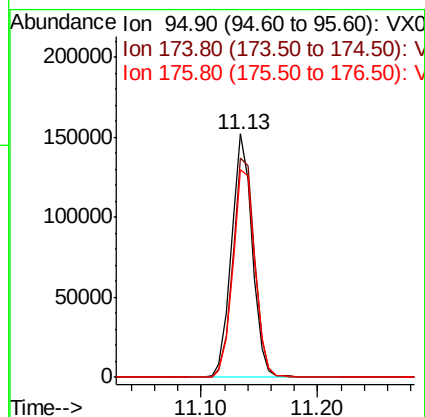
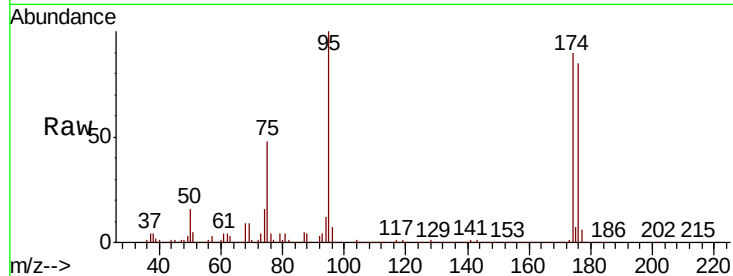




#62
4-Bromofluorobenzene
Concen: 46.394 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

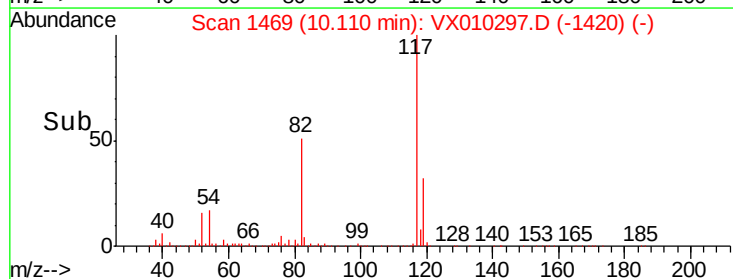
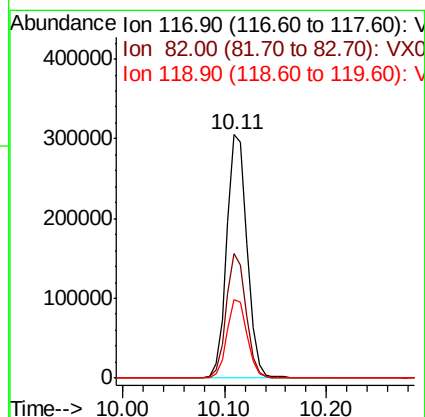
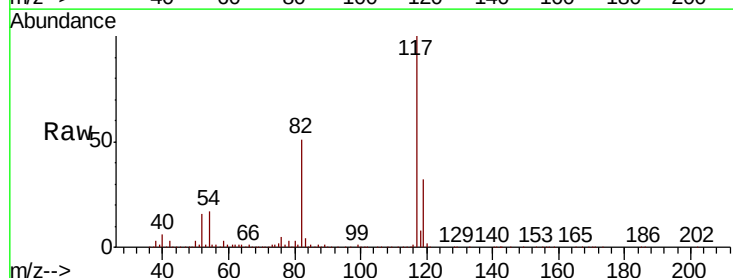
Instrument :
MSVOA_X
ClientSampleId :
TB-6-12-19

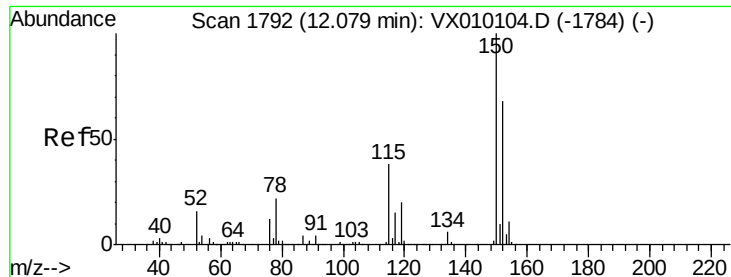
Tot Ion: 95 Resp: 188349
Ion Ratio Lower Upper
95 100
174 95.9 0.0 160.4
176 91.2 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Tgt Ion: 117 Resp: 421188
Ion Ratio Lower Upper
117 100
82 51.0 49.2 73.8
119 32.2 25.2 37.8



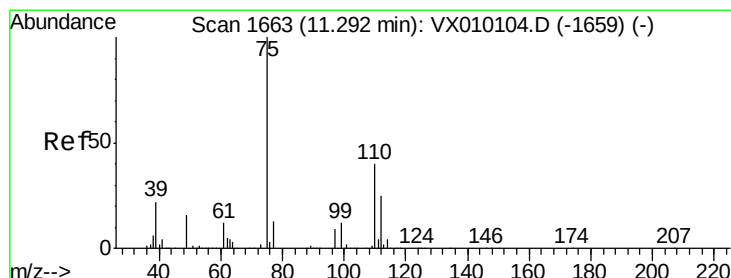
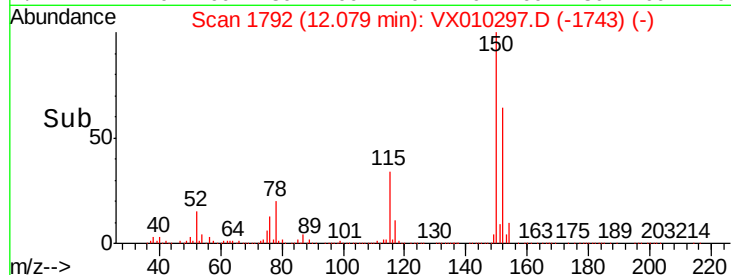
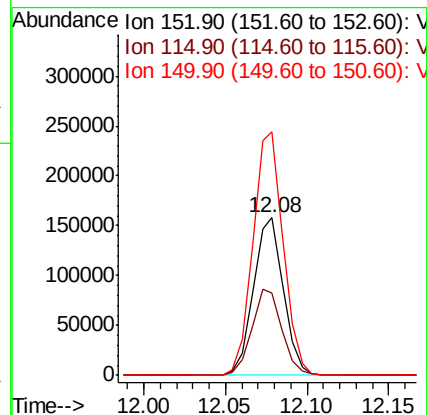
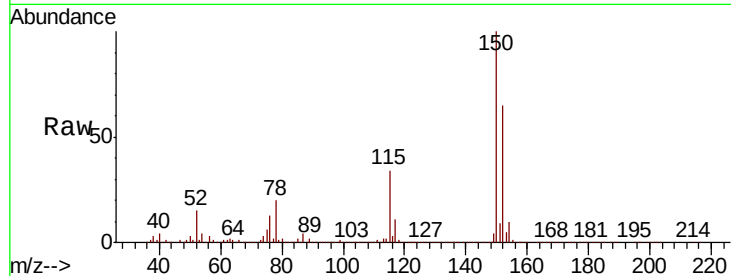


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
TB-6-12-19

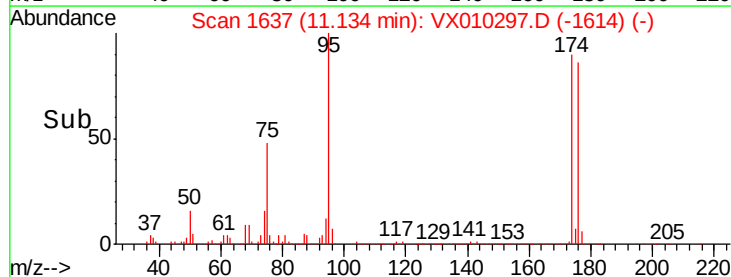
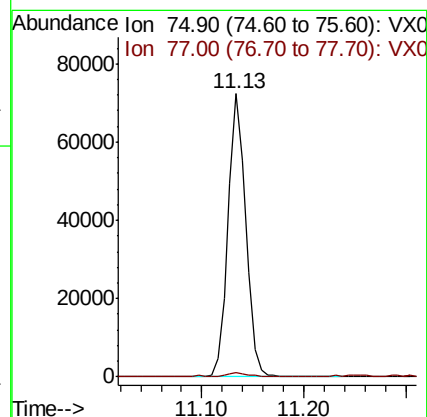
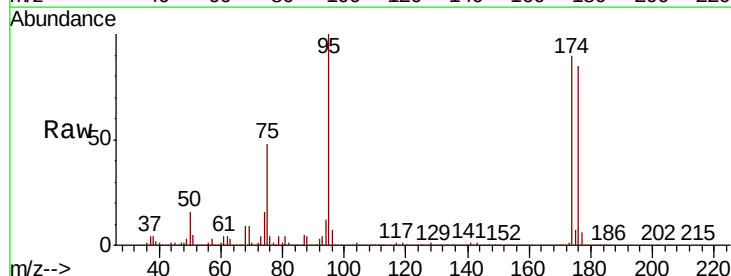
Tot Ion:152 Resp: 200793
Ion Ratio Lower Upper
152 100
115 54.2 41.4 124.2
150 156.9 0.0 345.2

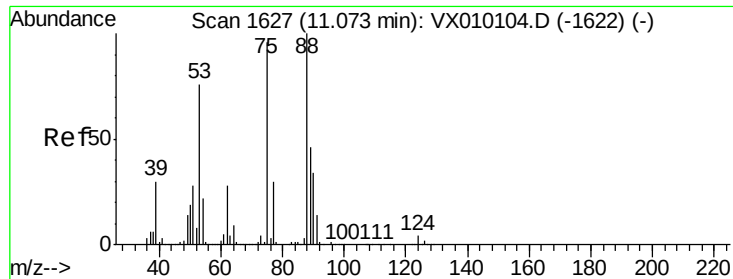


#76

1,2,3-Trichloropropane
Concen: 21.915 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010297.D
Acq: 14 Jun 2019 13:56

Tgt Ion: 75 Resp: 88017
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 48.420 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010297.D

Acq: 14 Jun 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

TB-6-12-19

Tot Ion: 75 Resp: 88017

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.3 34.2 51.4#

