

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009072.D
 Acq On : 19 Apr 2019 15:54
 Operator : JC/SP
 Sample : K2496-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190418

Quant Time: Apr 20 00:39:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135667	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	158978	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	116286	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	8.71	98	472601	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.13	95	154630	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

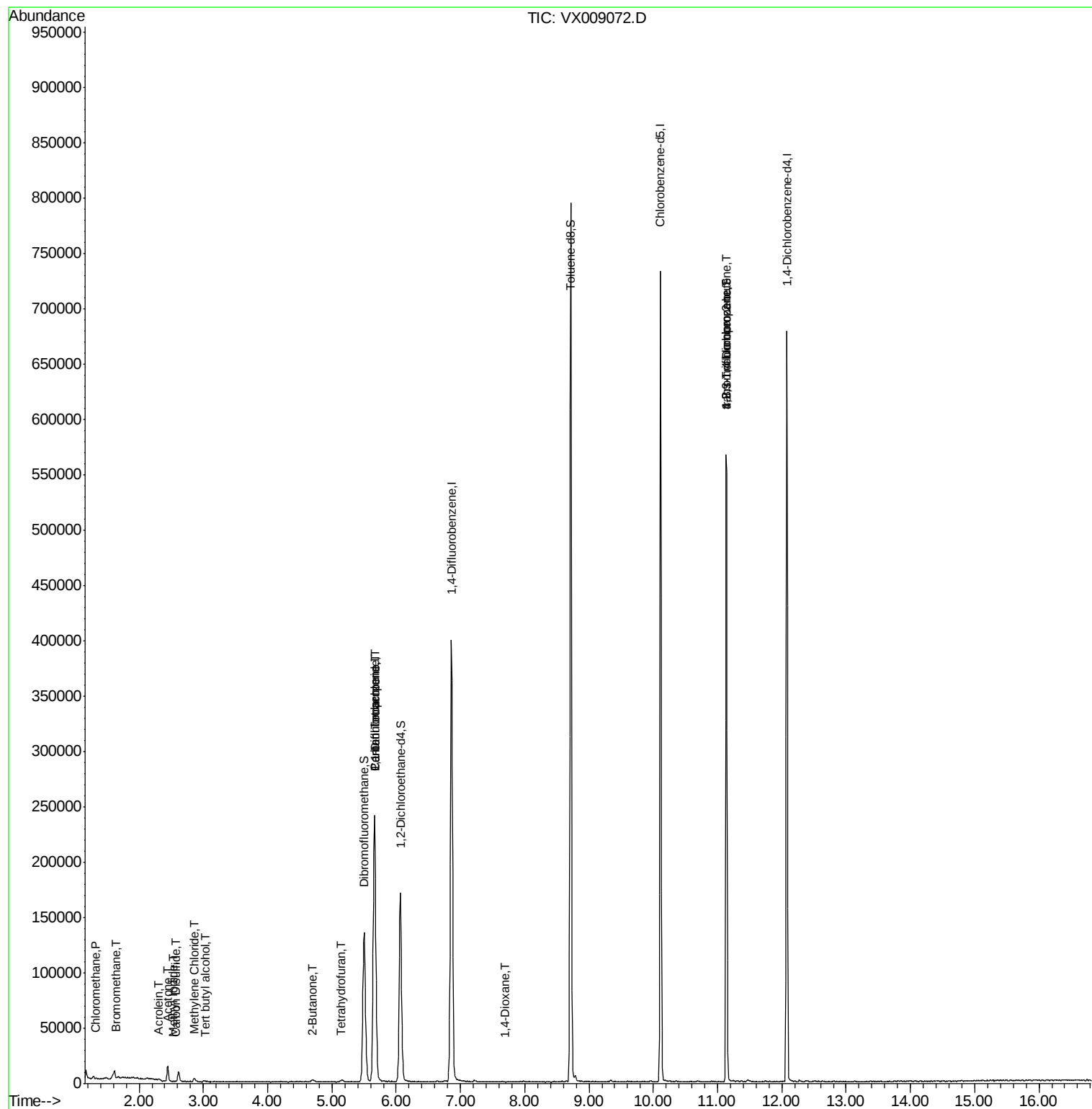
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	903	0.271	ug/l #	82
5) Bromomethane	1.64	94	231	3.953	ug/l #	19
10) Methyl Iodide	2.52	142	42	4.429	ug/l #	42
11) Tert butyl alcohol	3.04	59	809	1.097	ug/l #	78
13) Acrolein	2.31	56	281	0.441	ug/l	99
16) Acetone	2.45	43	15407	8.943	ug/l	97
17) Carbon Disulfide	2.57	76	559	1.326	ug/l #	75
20) Methylene Chloride	2.85	84	1369	0.465	ug/l	95
25) 2-Butanone	4.69	43	2939	1.067	ug/l #	76
28) Bromochloromethane	5.01	49	73	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	2232	1.211	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	18668	4.705	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22423	6.666	ug/l #	18
49) 1,4-Dioxane	7.70	88	31	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78152	23.591	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78152	60.566	ug/l #	11

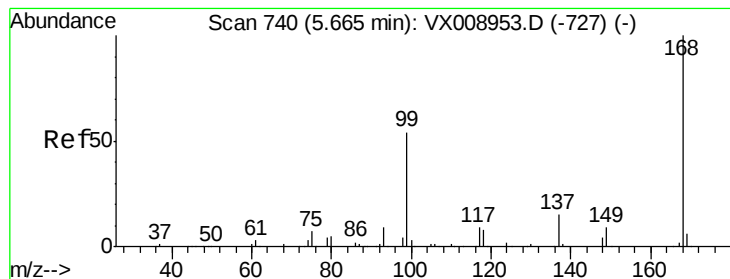
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

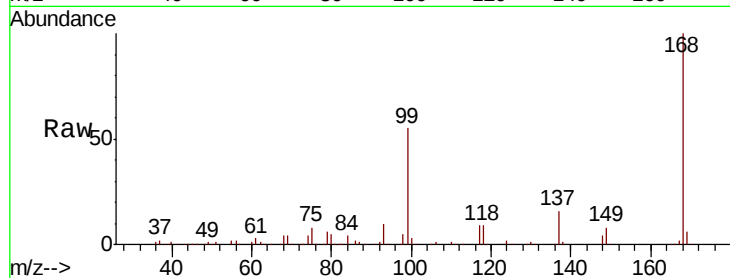
TT-TB-20190418

Tot Ion:168 Resp: 235739

Ion Ratio Lower Upper

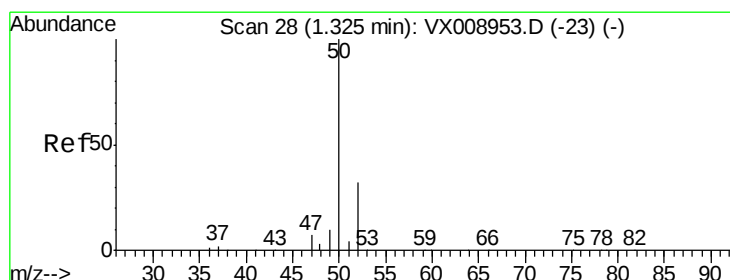
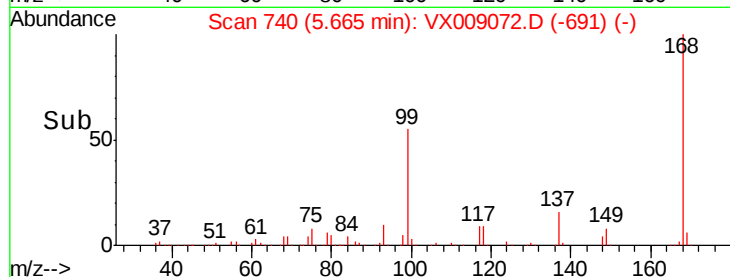
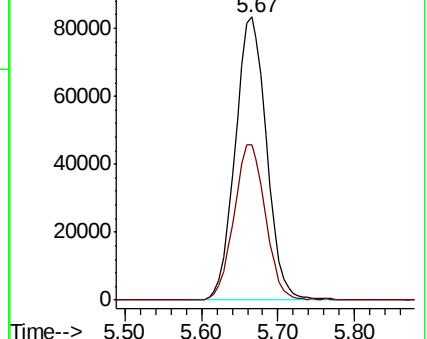
168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009072.D

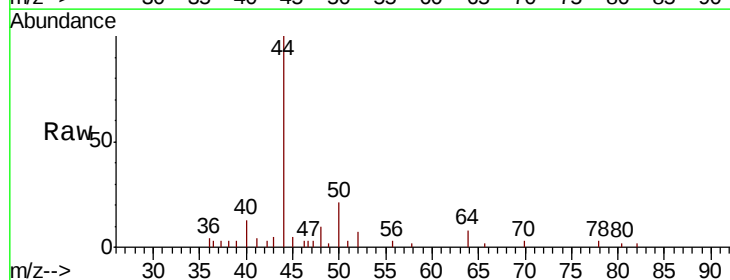
Acq: 19 Apr 2019 15:54

Tgt Ion: 50 Resp: 903

Ion Ratio Lower Upper

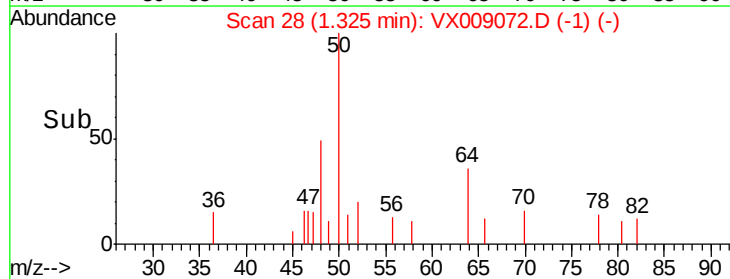
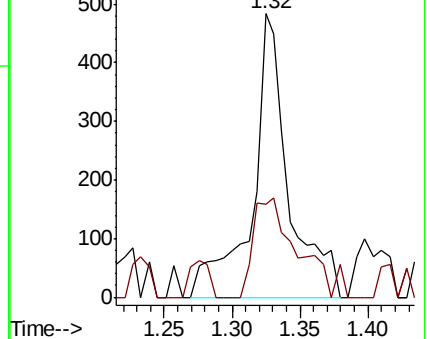
50 100

52 22.2 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 3.953 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

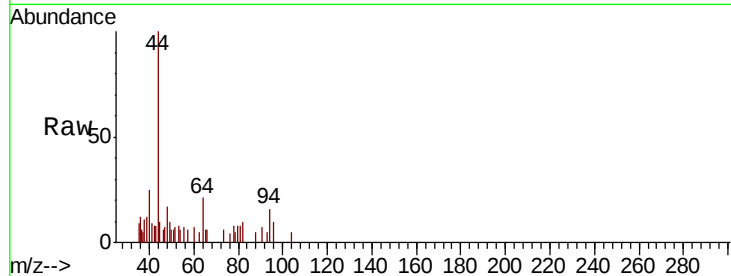
TT-TB-20190418

Tot Ion: 94 Resp: 231

Ion Ratio Lower Upper

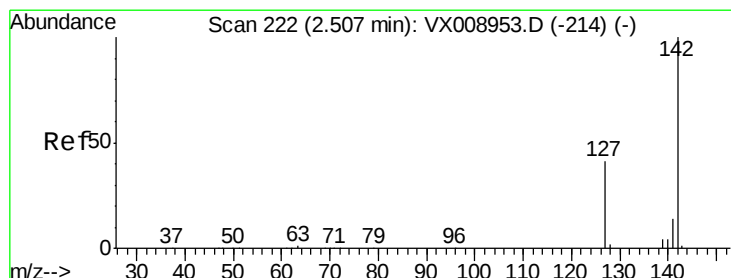
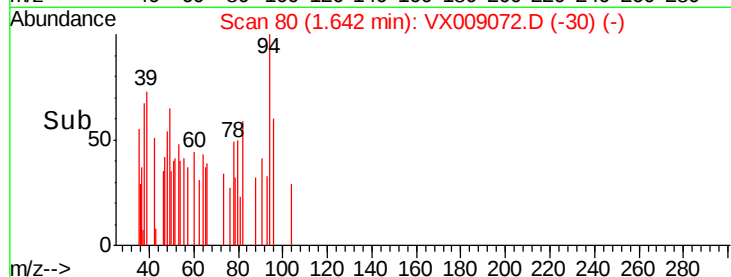
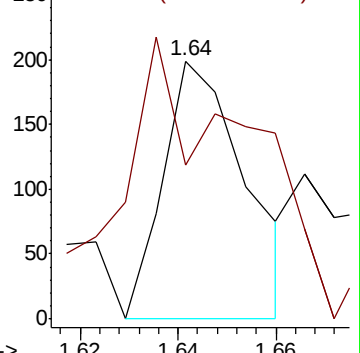
94 100

96 14.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.429 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

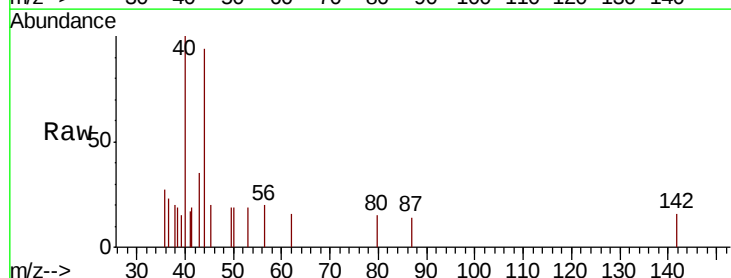
Tgt Ion: 142 Resp: 42

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

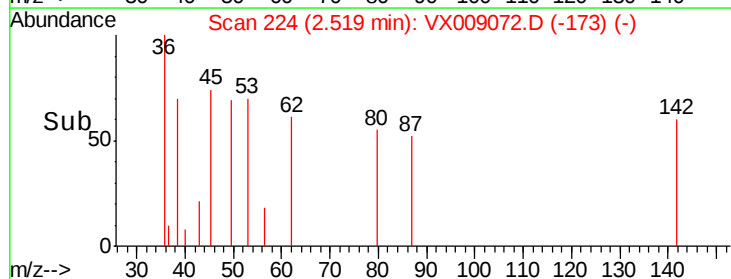
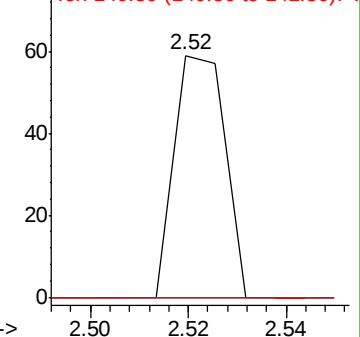
141 0.0 11.4 17.2#

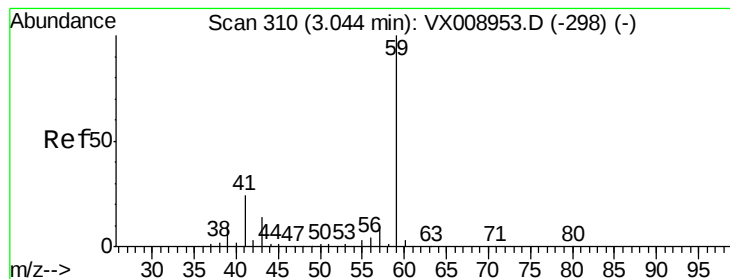


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



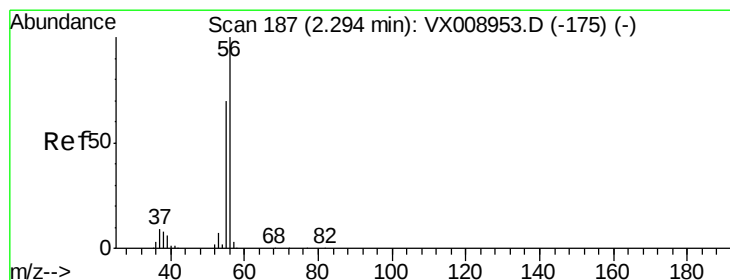
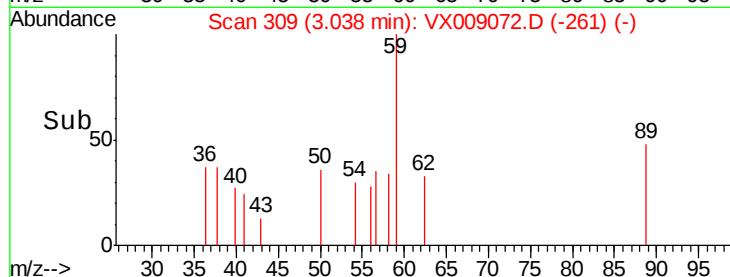
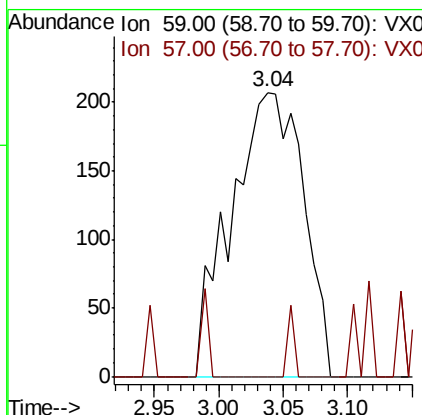
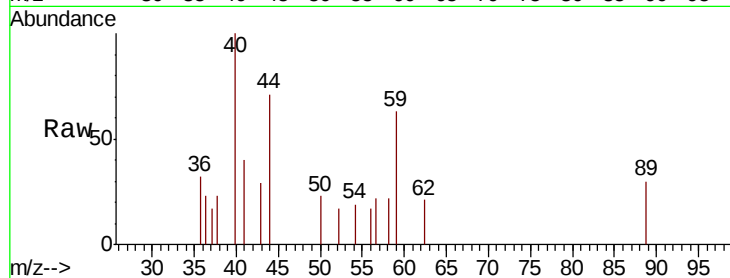


#11

Tert butyl alcohol
 Concen: 1.097 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009072.D
 Acq: 19 Apr 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190418

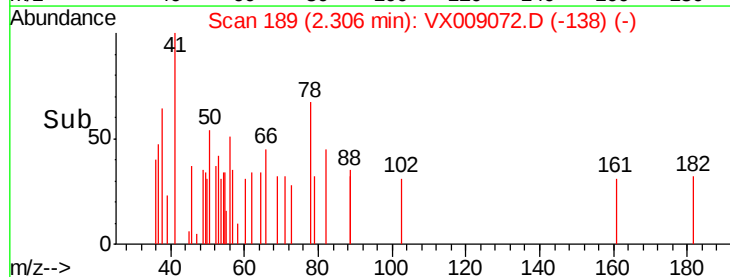
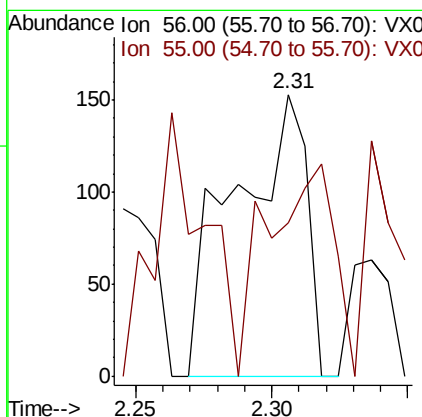
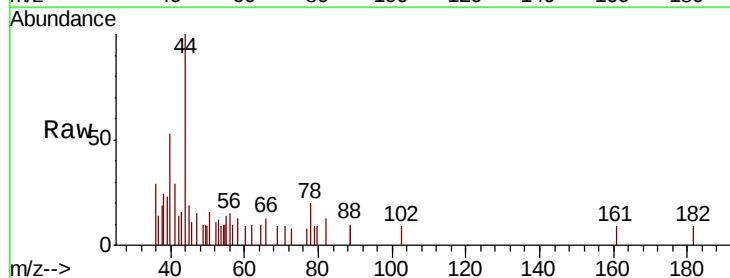
Tot Ion: 59 Resp: 809
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.4 12.6#

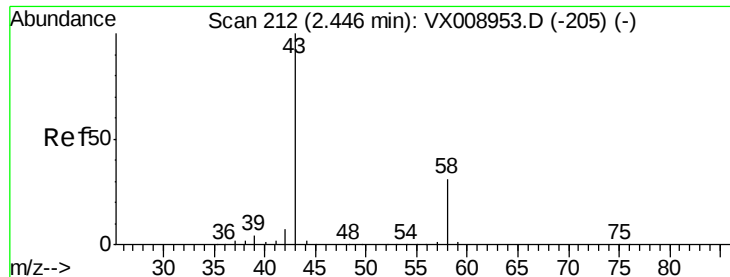


#13

Acrolein
 Concen: 0.441 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX009072.D
 Acq: 19 Apr 2019 15:54

Tgt Ion: 56 Resp: 281
 Ion Ratio Lower Upper
 56 100
 55 69.8 56.6 84.8





#16

Acetone

Concen: 8.943 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

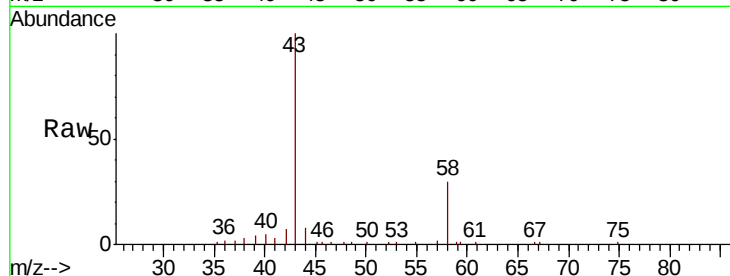
TT-TB-20190418

Tot Ion: 43 Resp: 15407

Ion Ratio Lower Upper

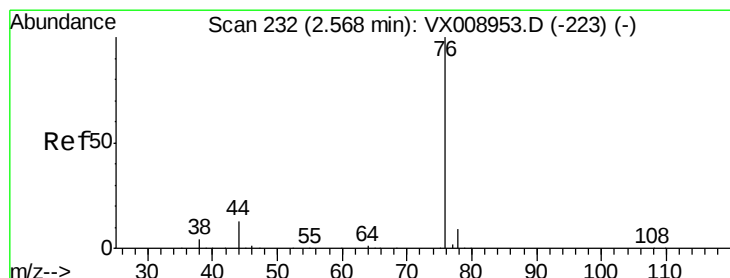
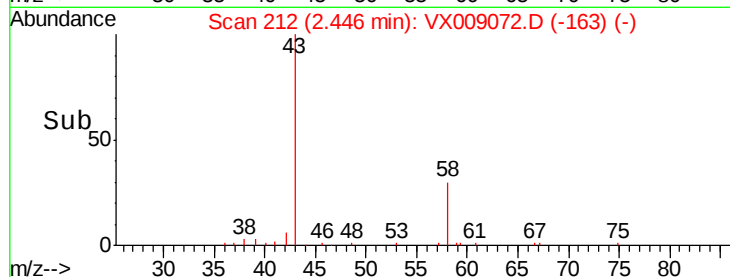
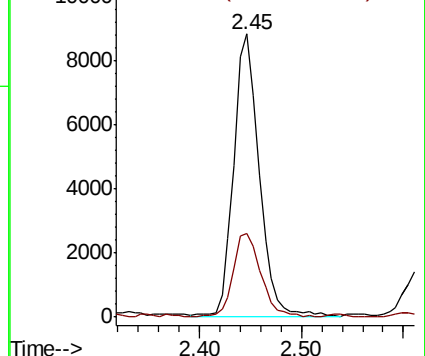
43 100

58 29.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.326 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009072.D

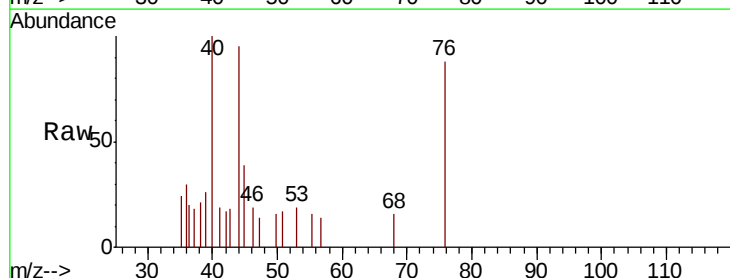
Acq: 19 Apr 2019 15:54

Tgt Ion: 76 Resp: 559

Ion Ratio Lower Upper

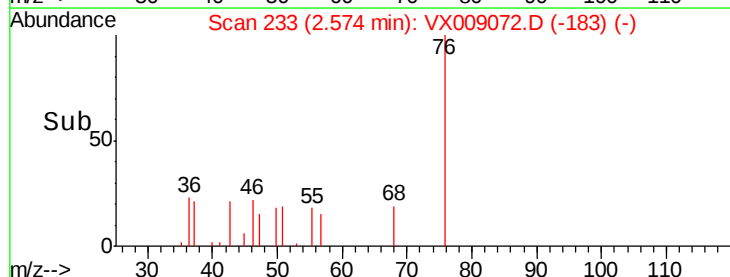
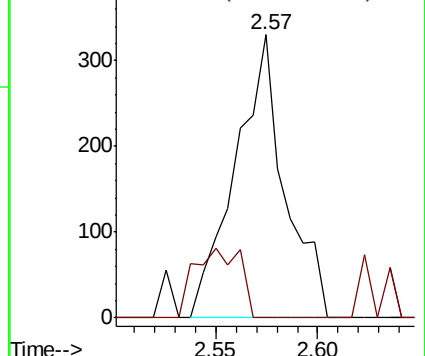
76 100

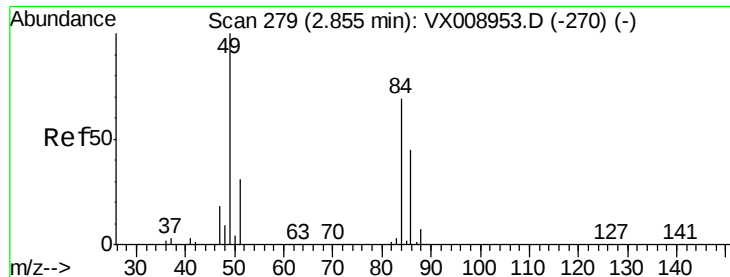
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

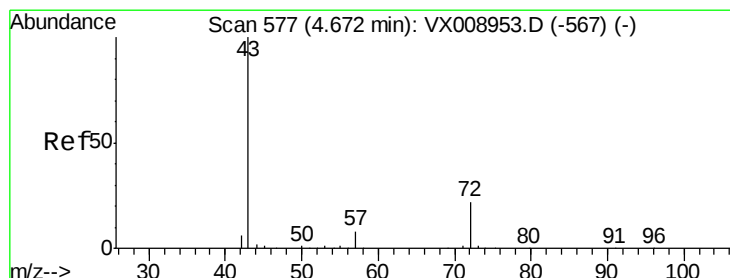
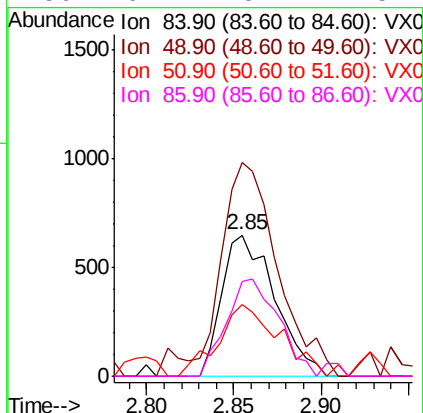
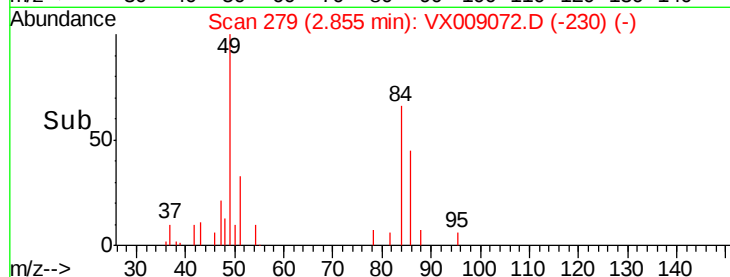
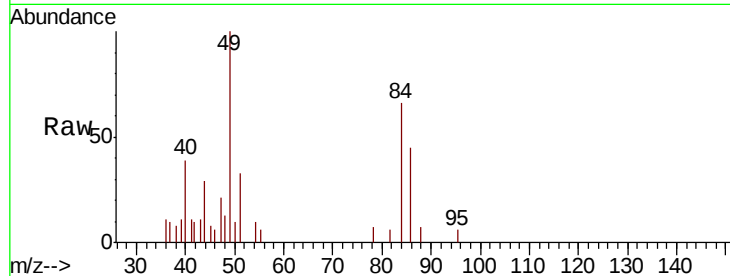




#20
Methvlene Chloride
Concen: 0.465 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009072.D
Acq: 19 Apr 2019 15:54

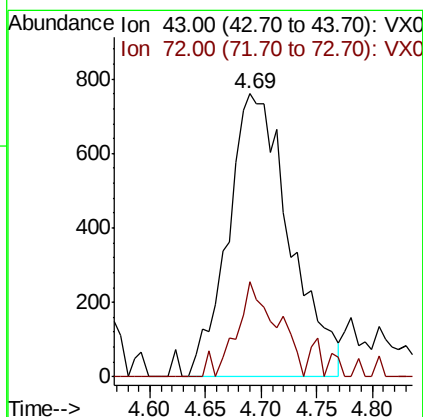
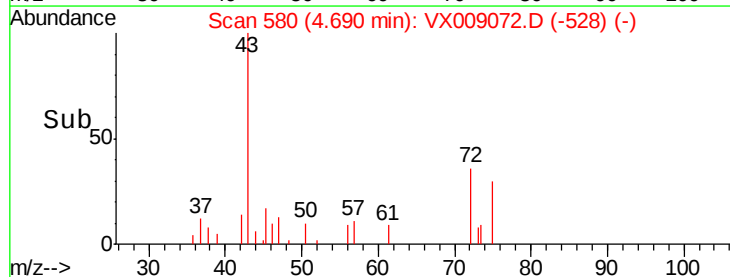
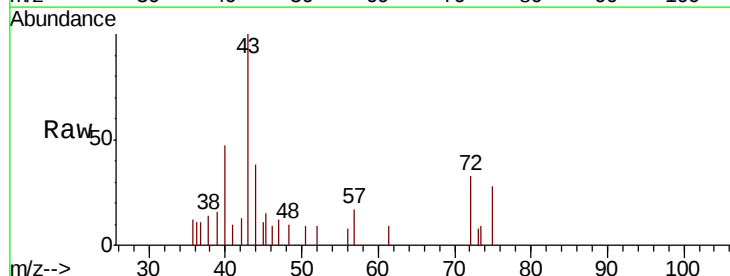
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190418

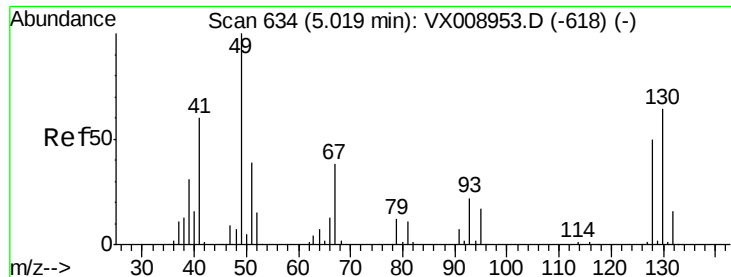
Tot Ion:	84	Resp:	1369
Ion	Ratio	Lower	Upper
84	100		
49	150.9	115.4	173.0
51	41.8	35.8	53.6
86	67.4	52.1	78.1



#25
2-Butanone
Concen: 1.067 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009072.D
Acq: 19 Apr 2019 15:54

Tgt Ion:	43	Resp:	2939
Ion	Ratio	Lower	Upper
43	100		
72	33.4	17.5	26.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

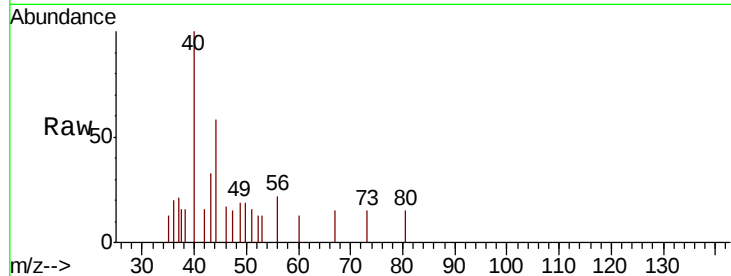
Tot Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

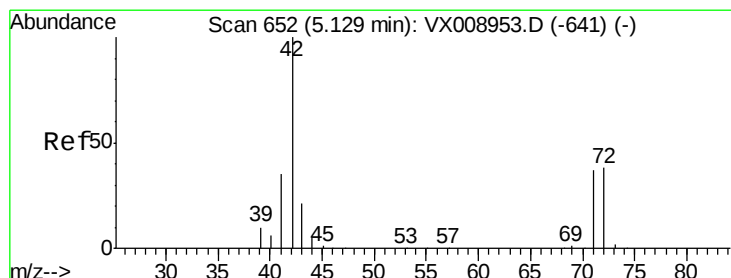
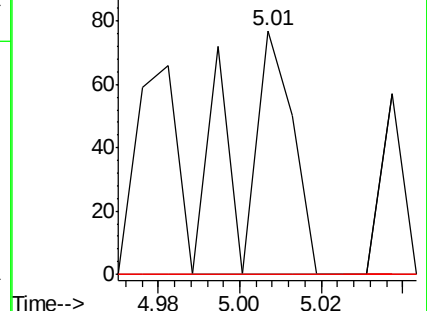
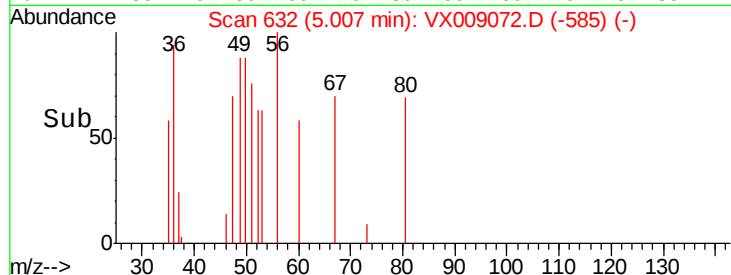
130 0.0 50.4 75.6#



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



#29

Tetrahydrofuran

Concen: 1.211 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

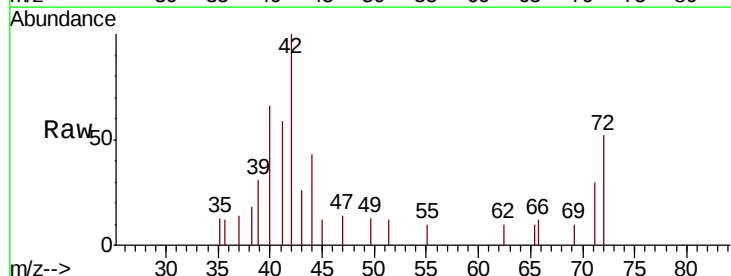
Tgt Ion: 42 Resp: 2232

Ion Ratio Lower Upper

42 100

72 35.8 30.6 45.8

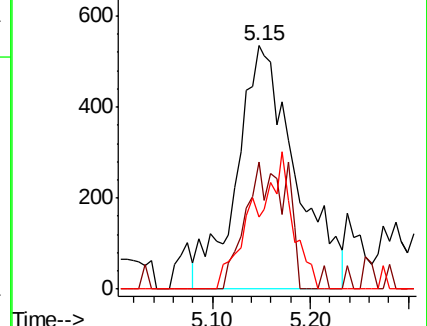
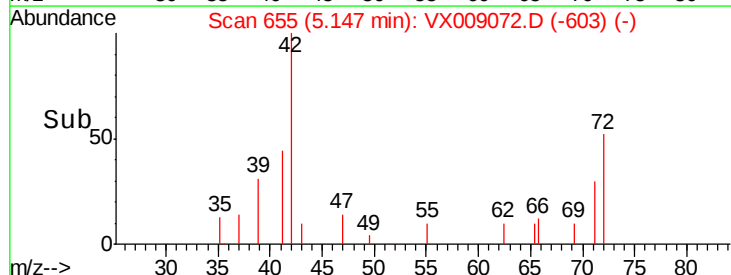
71 13.1 28.8 43.2#

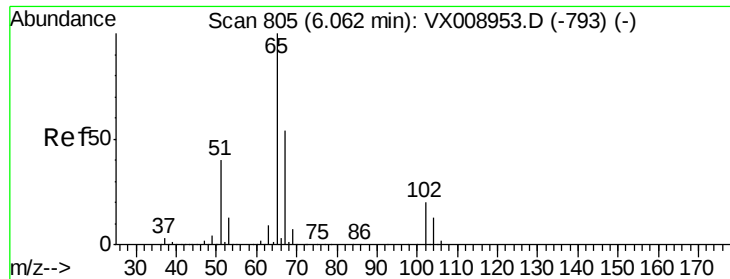


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

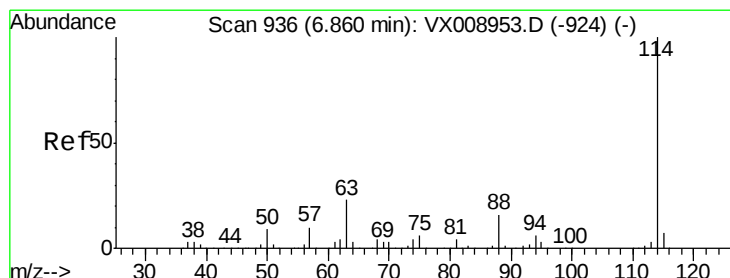
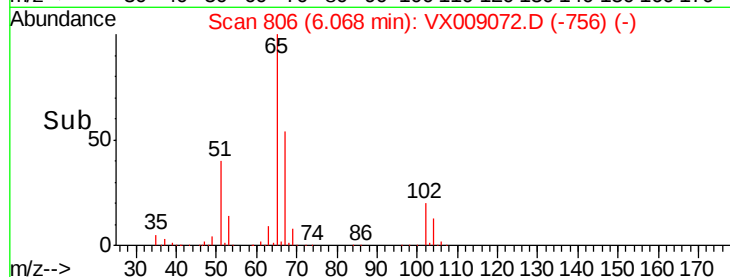
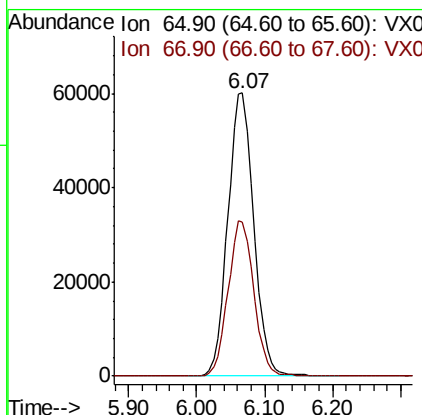
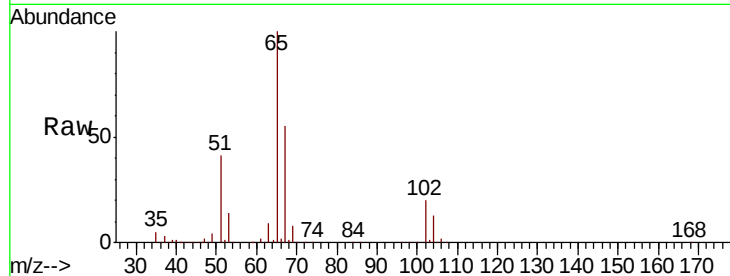




#33
 1,2-Dichloroethane-d4
 Concen: 47.853 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009072.D
 Acq: 19 Apr 2019 15:54

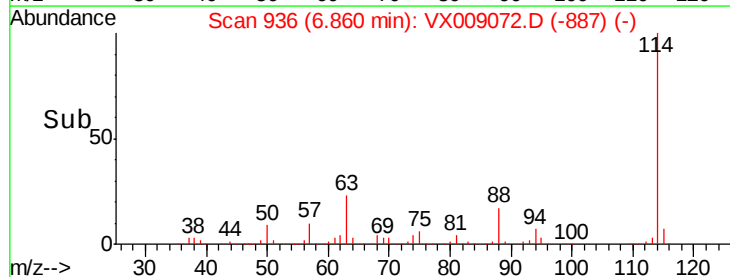
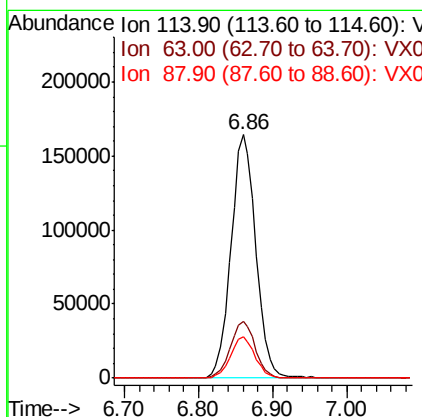
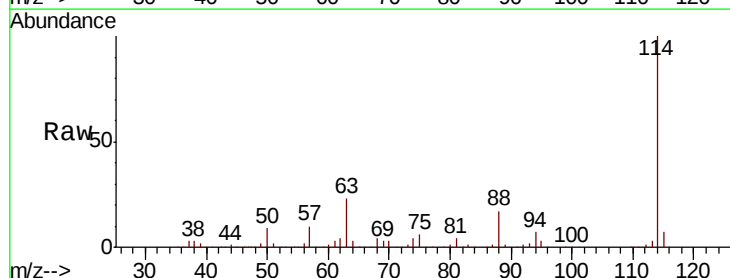
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190418

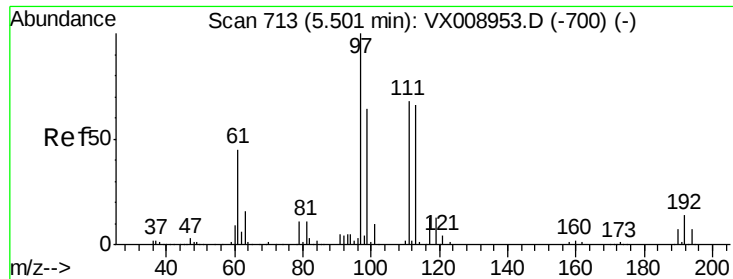
Tot Ion: 65 Resp: 158978
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009072.D
 Acq: 19 Apr 2019 15:54

Tgt Ion: 114 Resp: 383665
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.0
 88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.227 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

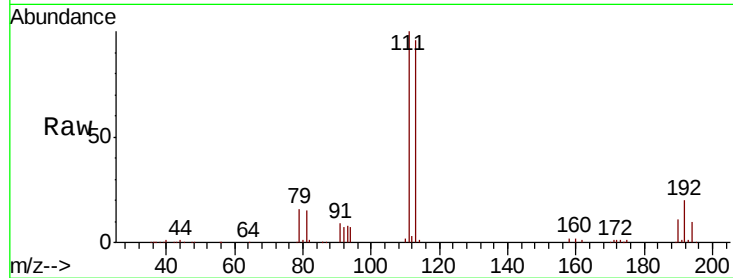
Tot Ion:113 Resp: 116286

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

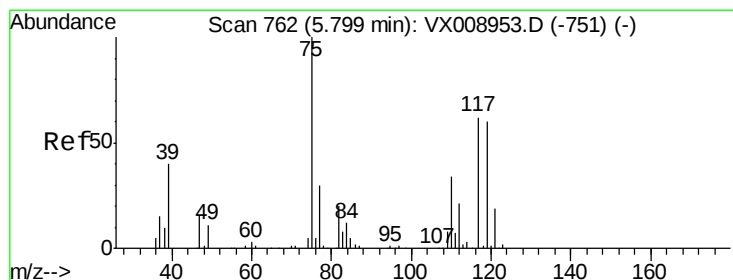
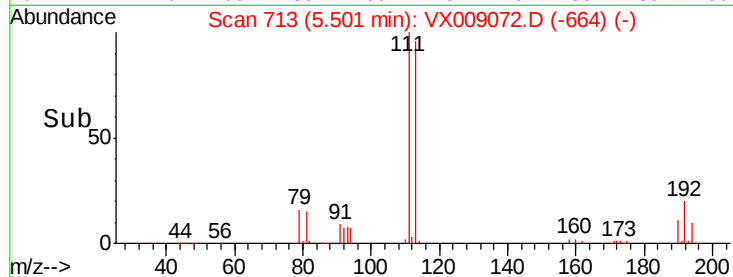
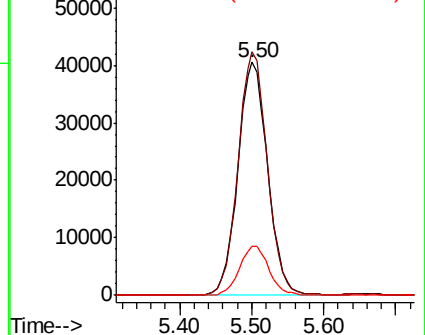
192 21.0 17.4 26.0



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: 4.705 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

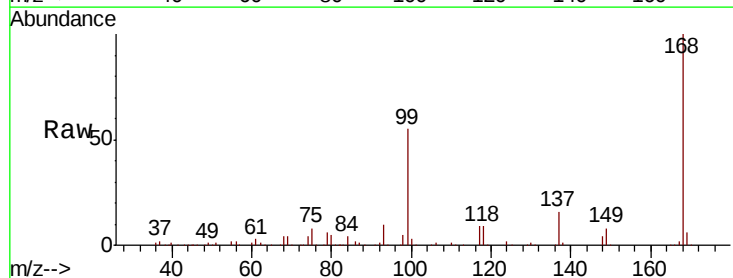
Tgt Ion: 75 Resp: 18668

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

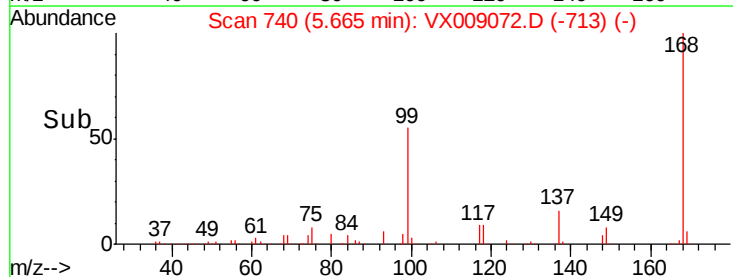
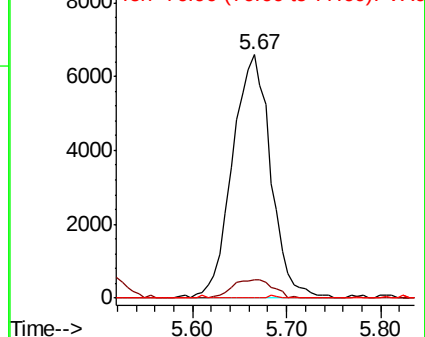
77 0.2 25.0 37.4#

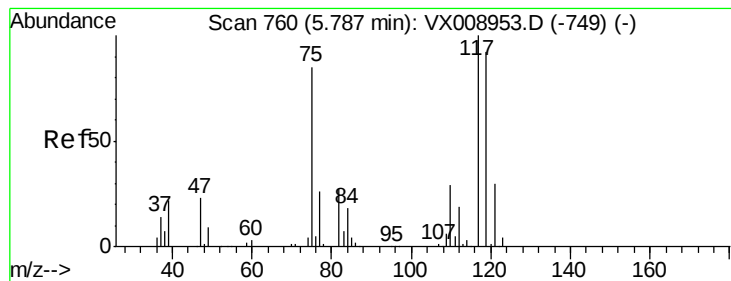


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.666 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

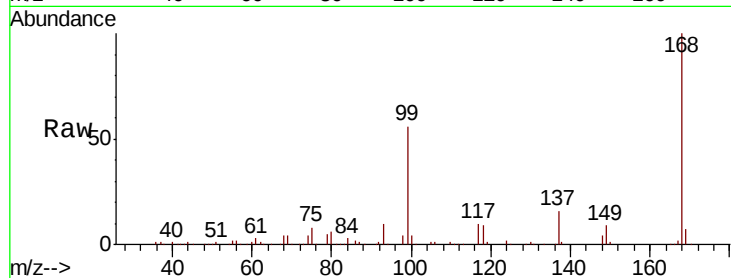
Tot Ion:117 Resp: 22423

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

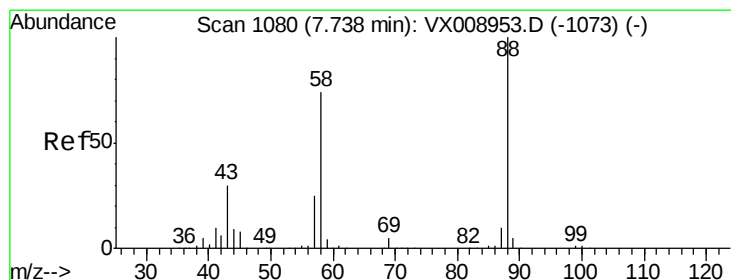
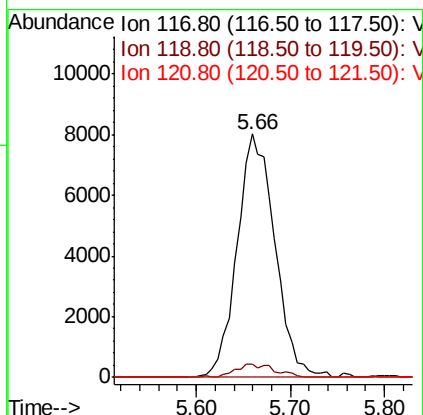
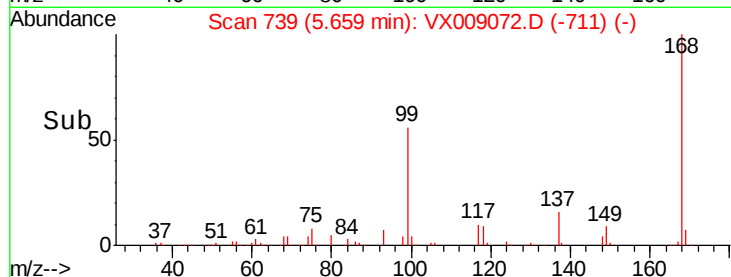
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.407 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

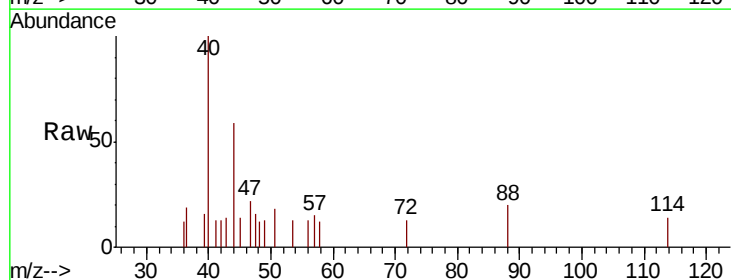
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 935.5 29.3 43.9#

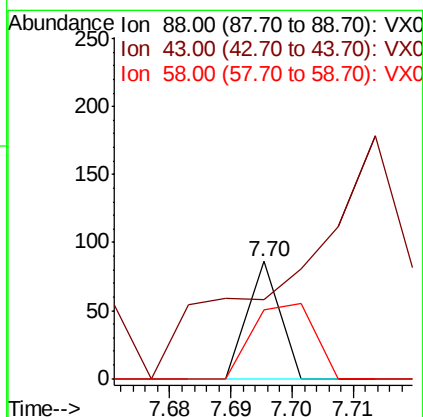
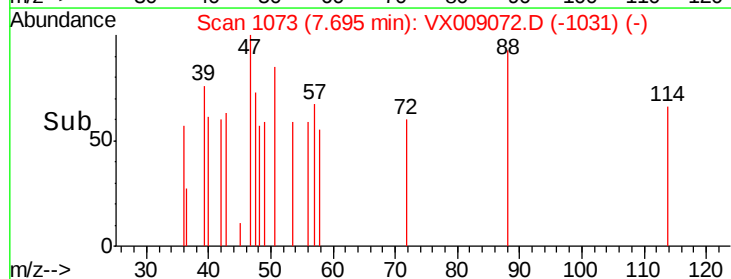
58 125.8 62.6 93.8#

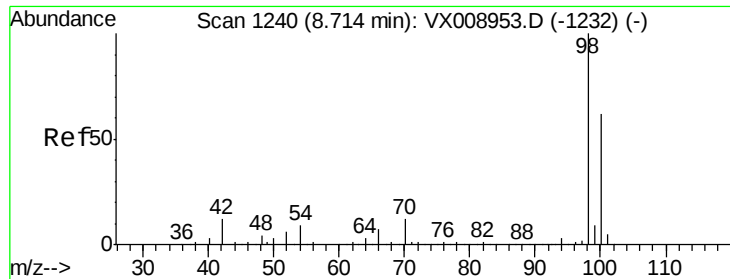


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.128 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

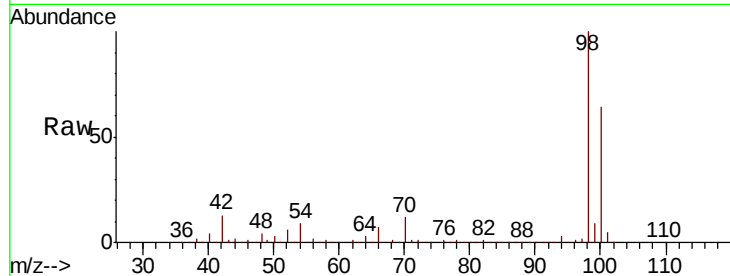
TT-TB-20190418

Tot Ion: 98 Resp: 472601

Ion Ratio Lower Upper

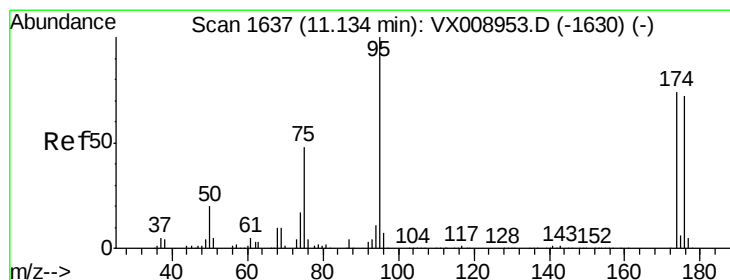
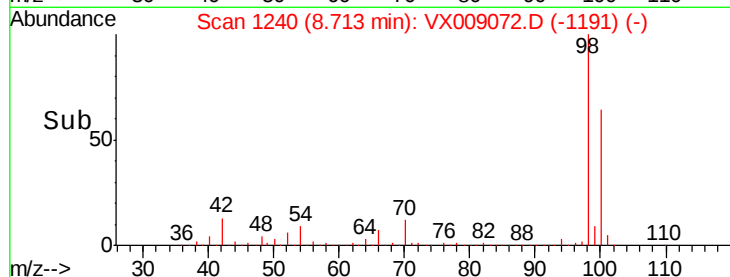
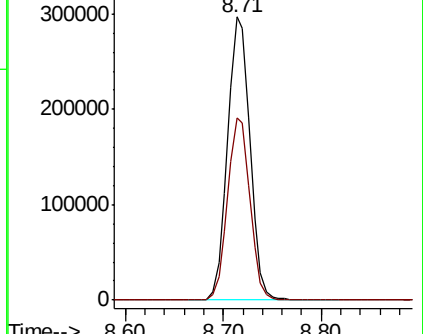
98 100

100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.609 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

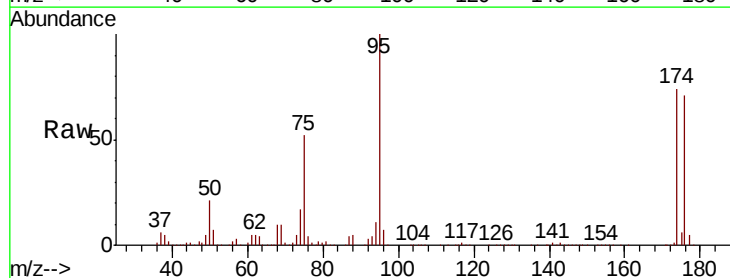
Tgt Ion: 95 Resp: 154630

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.6

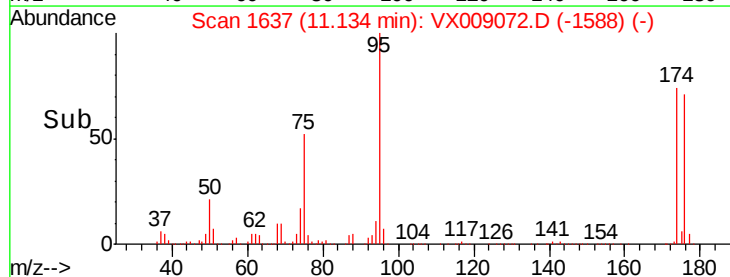
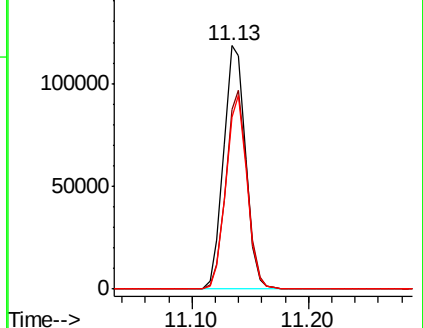
176 76.6 0.0 154.8

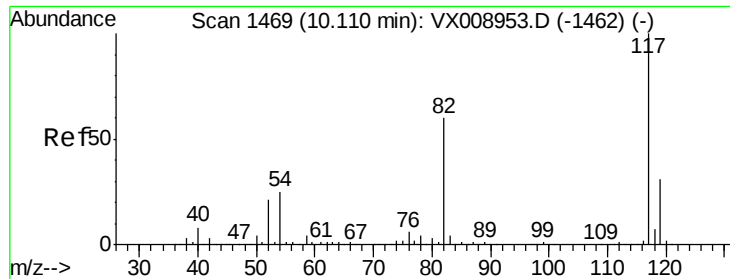


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

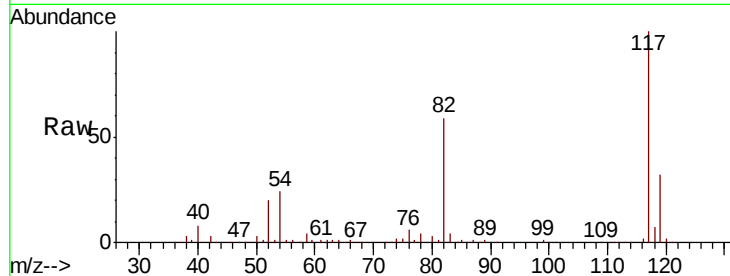




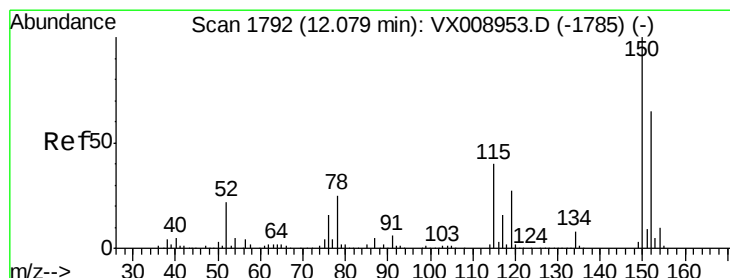
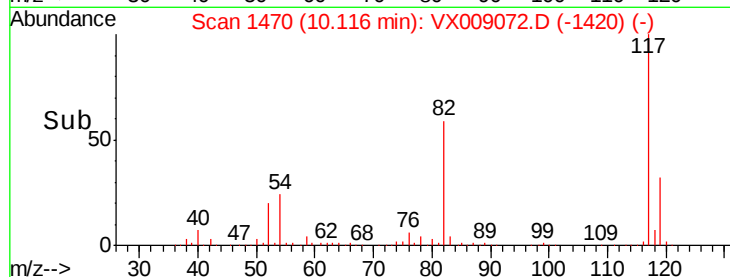
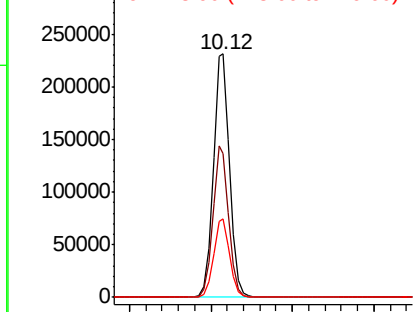
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009072.D
Acq: 19 Apr 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190418

Tot Ion:117 Resp: 324858
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 32.2 25.0 37.6

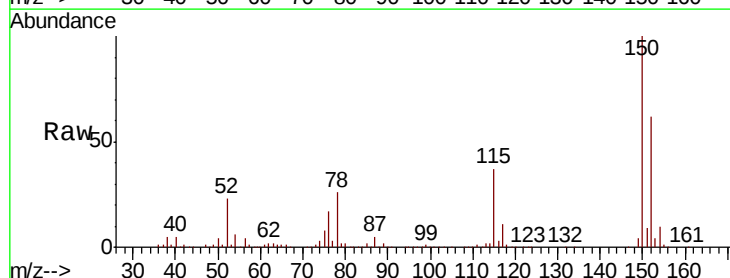


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

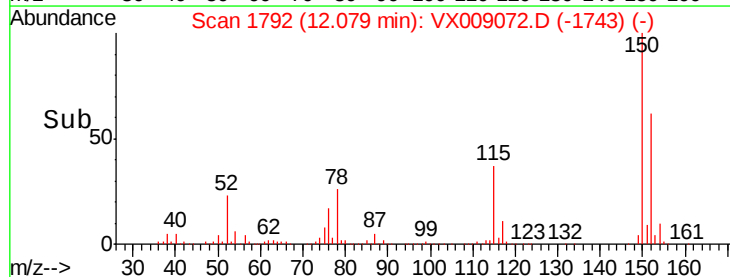
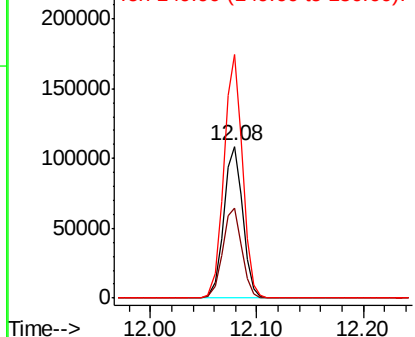


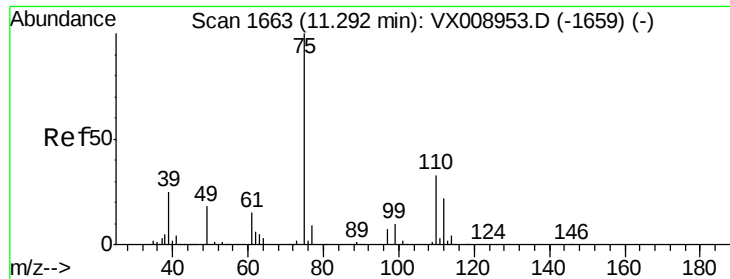
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009072.D
Acq: 19 Apr 2019 15:54

Tgt Ion:152 Resp: 135667
Ion Ratio Lower Upper
152 100
115 59.5 41.4 124.2
150 156.8 0.0 349.8



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: 23.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

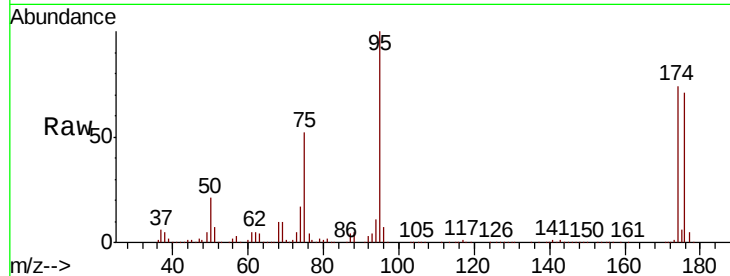
TT-TB-20190418

Tot Ion: 75 Resp: 78152

Ion Ratio Lower Upper

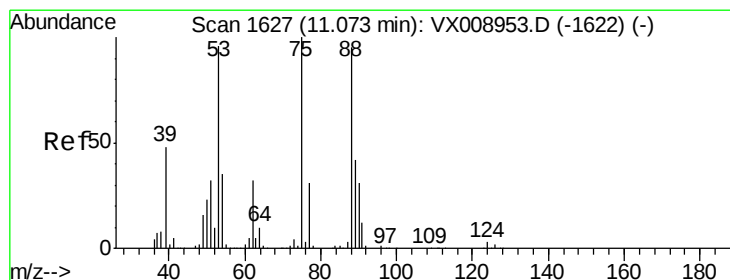
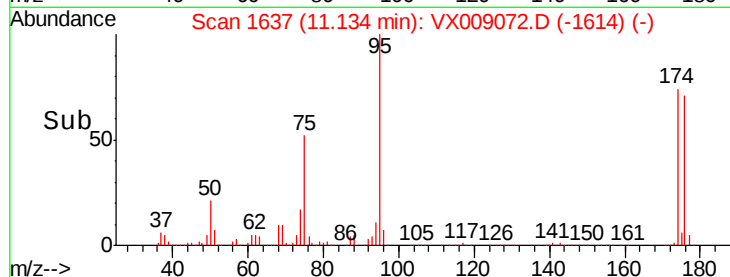
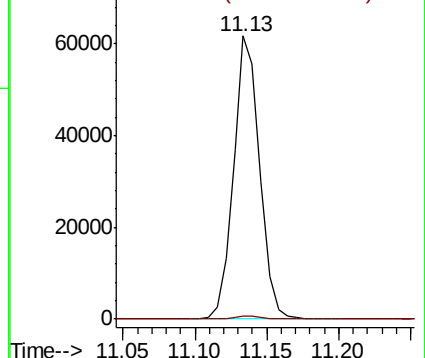
75 100

77 1.2 22.7 68.0#



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: 60.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009072.D

Acq: 19 Apr 2019 15:54

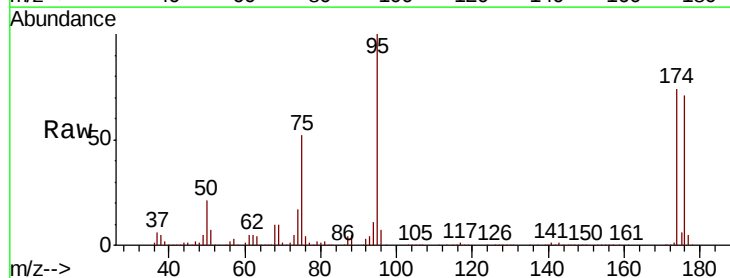
Tgt Ion: 75 Resp: 78152

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

