

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009073.D
 Acq On : 19 Apr 2019 16:17
 Operator : JC/SP
 Sample : K2495-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB12-190417

Quant Time: Apr 20 00:39:18 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	226616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129685	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	154188	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	5.50	113	112224	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	8.71	98	454598	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.13	95	146140	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	

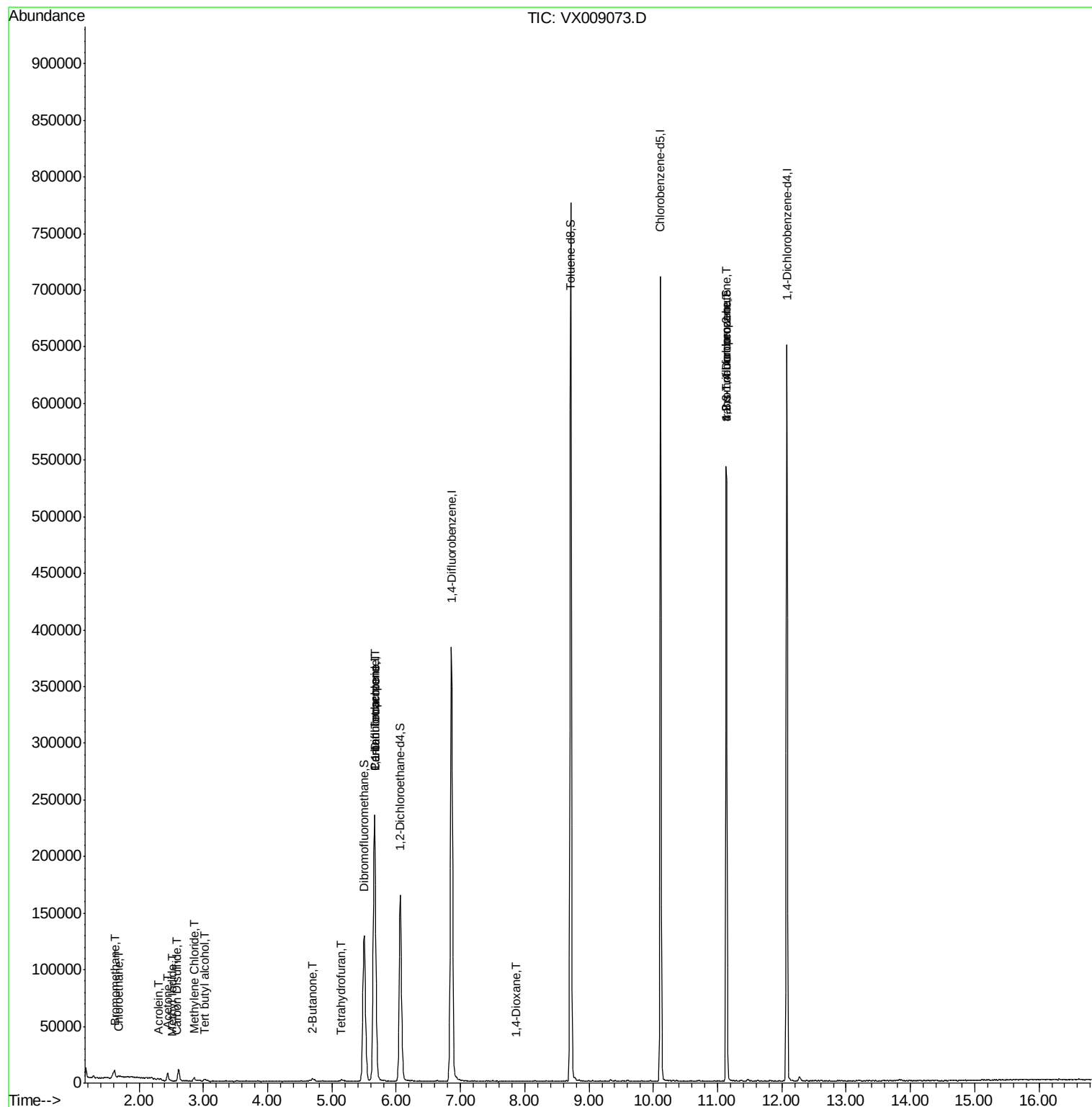
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	71	3.882	ug/l #	3
6) Chloroethane	1.70	64	2654	1.447	ug/l #	63
10) Methyl Iodide	2.51	142	78	4.442	ug/l #	42
11) Tert butyl alcohol	3.02	59	1362	1.921	ug/l #	85
13) Acrolein	2.29	56	149	0.243	ug/l	95
16) Acetone	2.45	43	7727	4.666	ug/l	100
17) Carbon Disulfide	2.58	76	546	1.327	ug/l #	75
20) Methylene Chloride	2.86	84	1307	0.461	ug/l #	88
25) 2-Butanone	4.70	43	1681	0.635	ug/l	93
28) Bromochloromethane	5.01	49	96	Below Cal	#	21
29) Tetrahydrofuran	5.14	42	637	0.360	ug/l #	41
36) 1,1-Dichloropropene	5.66	75	18605	4.853	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21398	6.584	ug/l #	18
49) 1,4-Dioxane	7.87	88	21	0.286	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	75361	23.798	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	75361	61.097	ug/l #	11

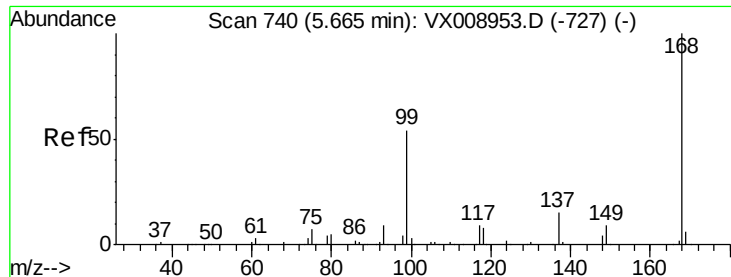
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

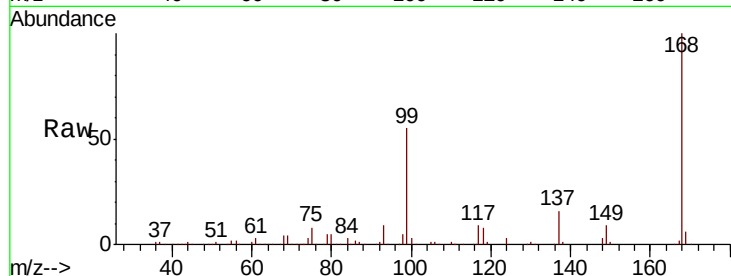
Z3-TB12-190417

Tot Ion:168 Resp: 226616

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

5.67

80000

60000

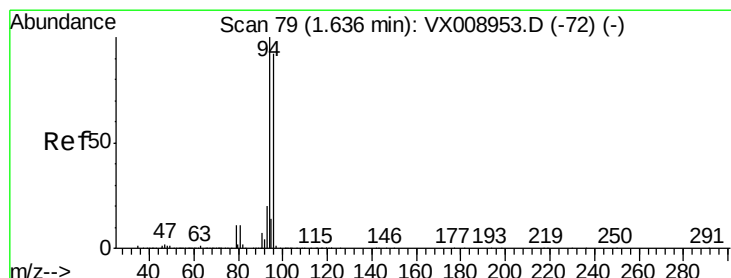
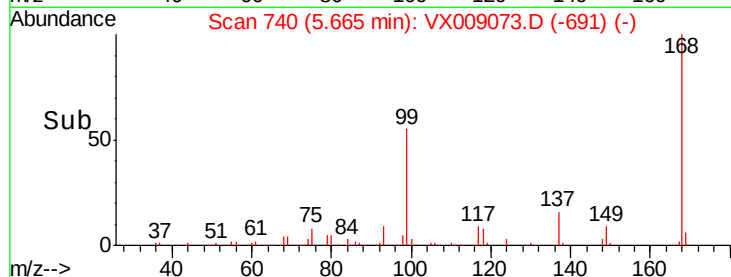
40000

20000

0

Time-->

5.60 5.80 6.00



#5

Bromomethane

Concen: 3.882 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009073.D

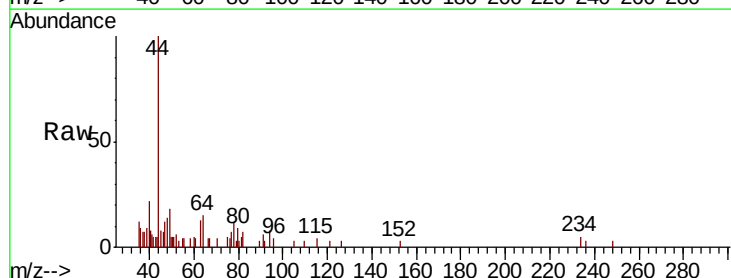
Acq: 19 Apr 2019 16:17

Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

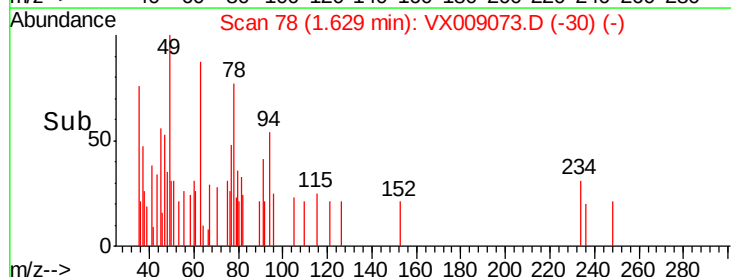
100

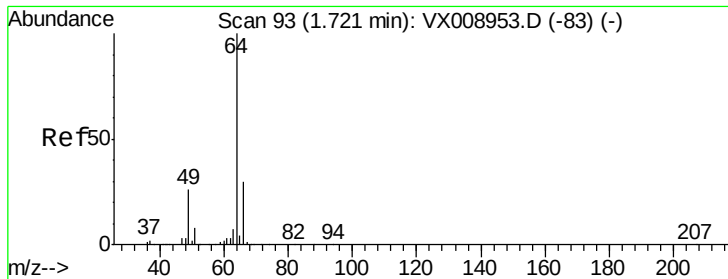
50

0

Time-->

1.61 1.62 1.63 1.64





#6

Chloroethane

Concen: 1.447 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

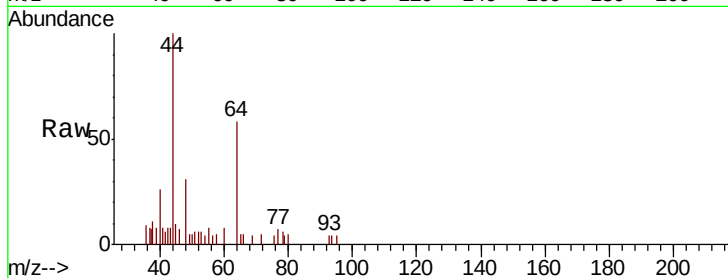
Z3-TB12-190417

Tot Ion: 64 Resp: 2654

Ion Ratio Lower Upper

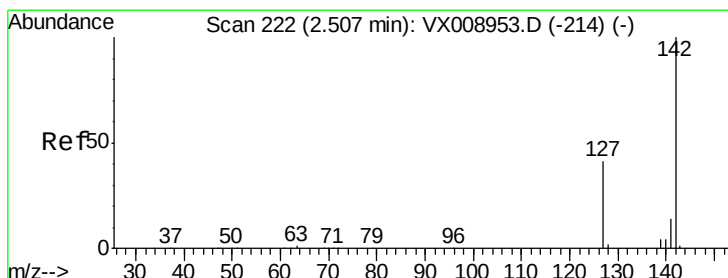
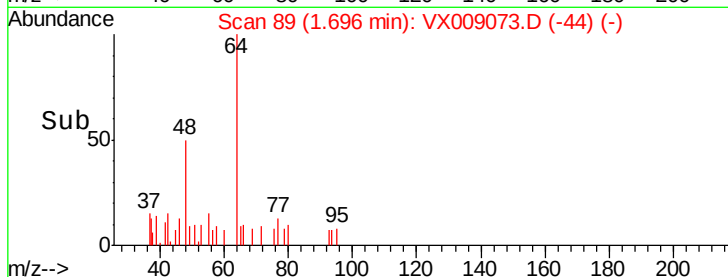
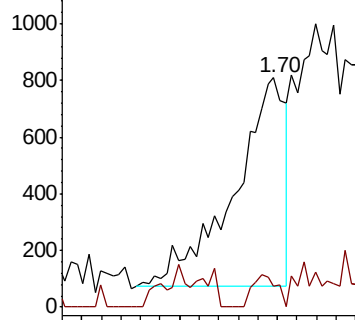
64 100

66 10.1 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.442 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

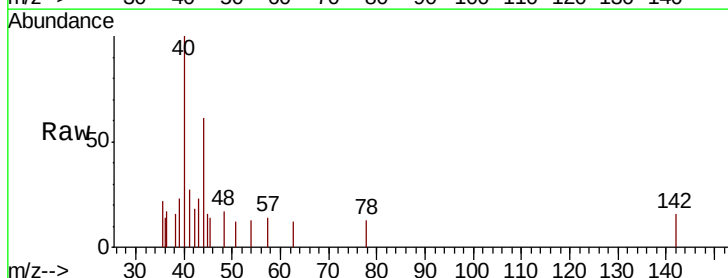
Tgt Ion: 142 Resp: 78

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

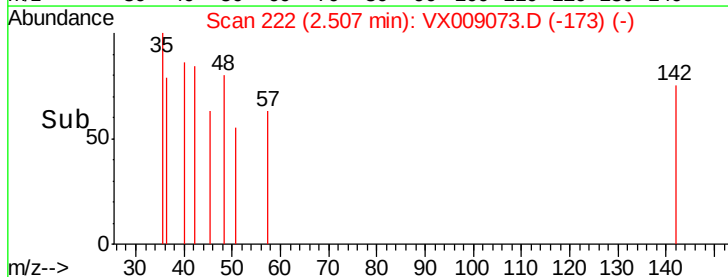
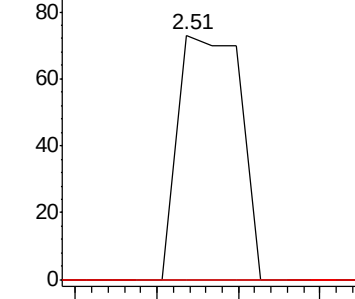
141 0.0 11.4 17.2#

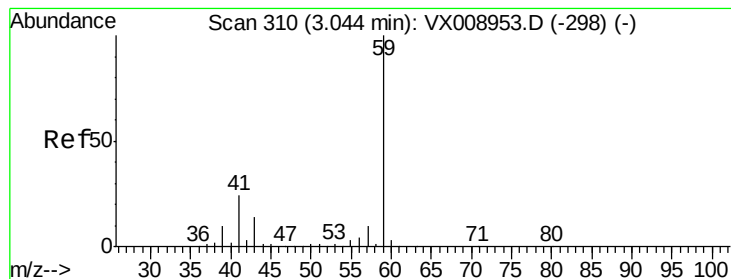


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



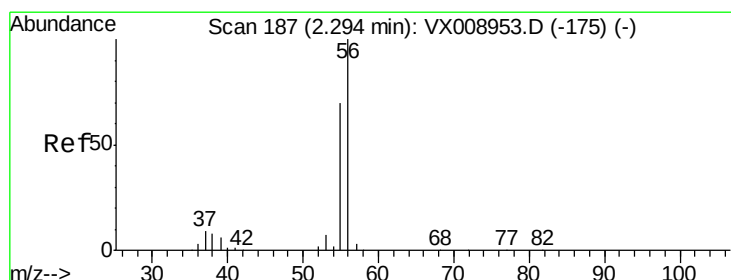
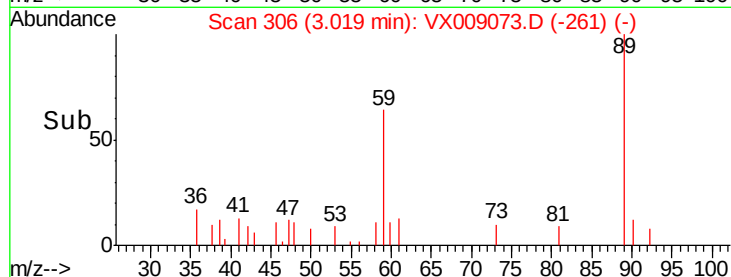
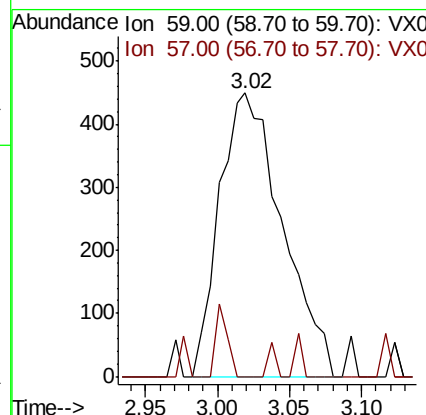
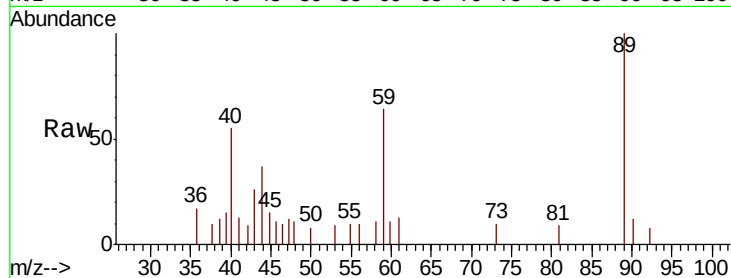


#11

Tert butyl alcohol
 Concen: 1.921 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009073.D
 Acq: 19 Apr 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB12-190417

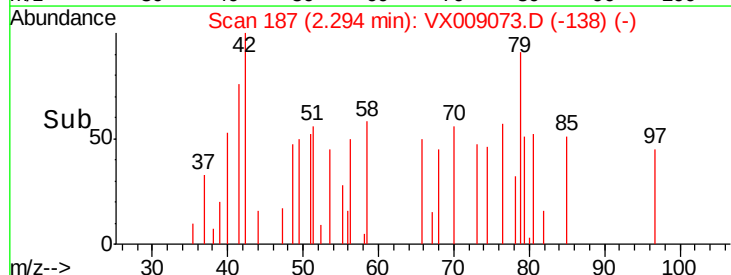
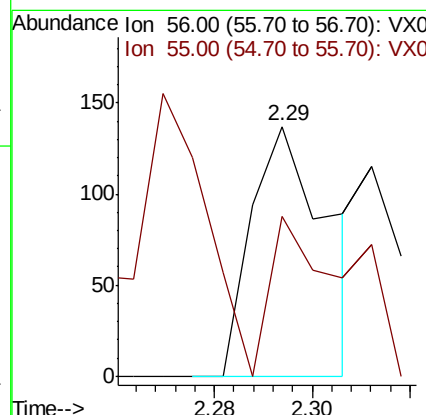
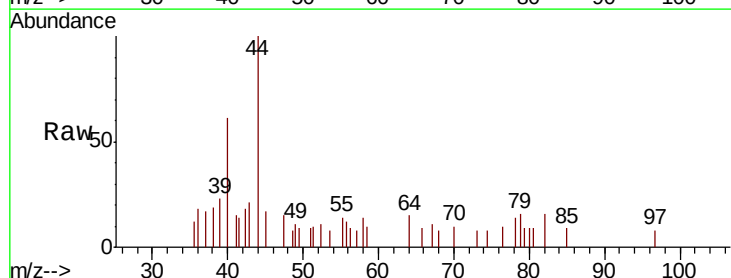
Tot Ion: 59 Resp: 1362
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.4 12.6#

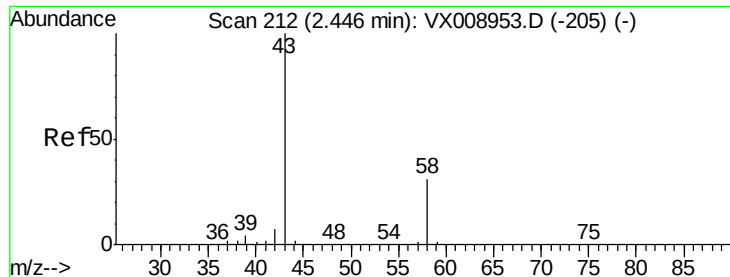


#13

Acrolein
 Concen: 0.243 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009073.D
 Acq: 19 Apr 2019 16:17

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 66.4 56.6 84.8





#16

Acetone

Concen: 4.666 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

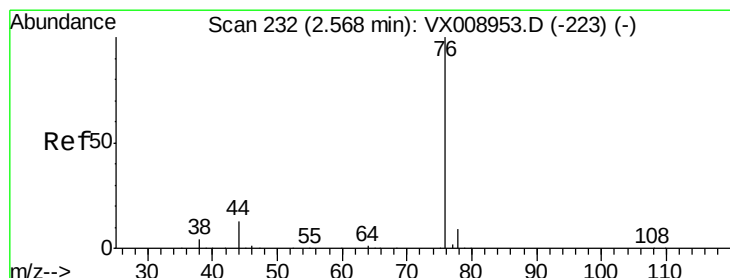
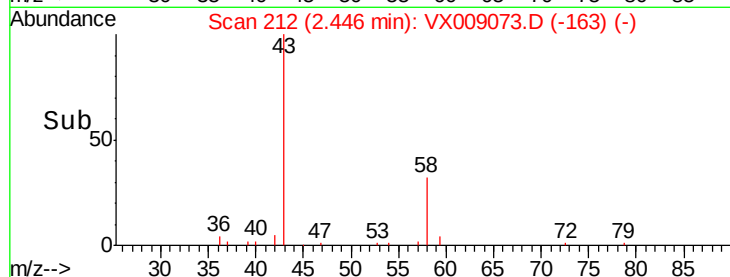
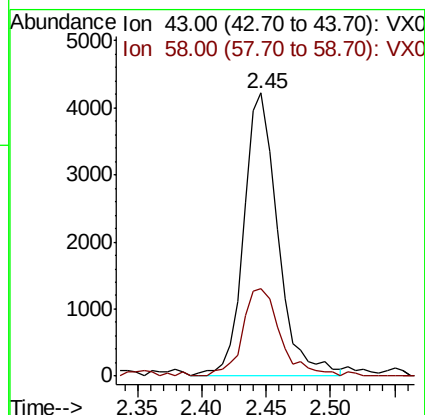
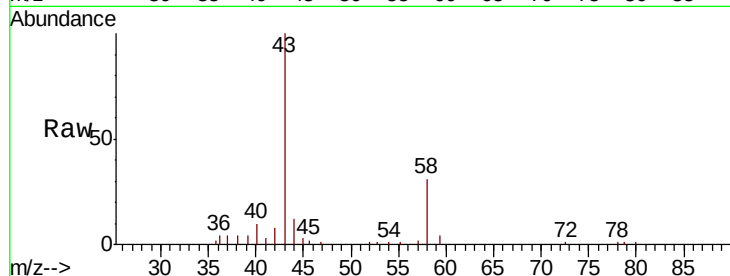
Z3-TB12-190417

Tot Ion: 43 Resp: 7727

Ion Ratio Lower Upper

43 100

58 30.9 24.8 37.2



#17

Carbon Disulfide

Concen: 1.327 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX009073.D

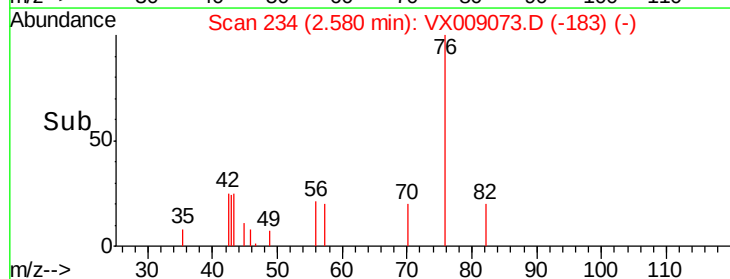
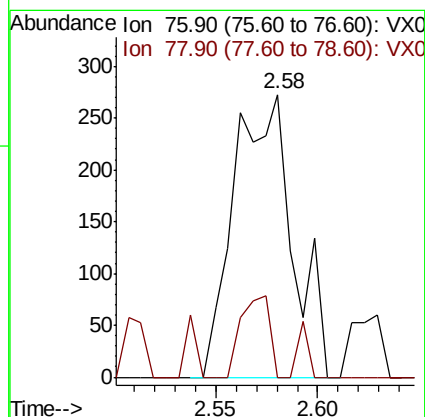
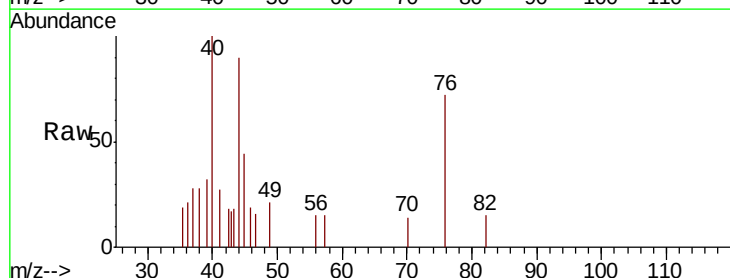
Acq: 19 Apr 2019 16:17

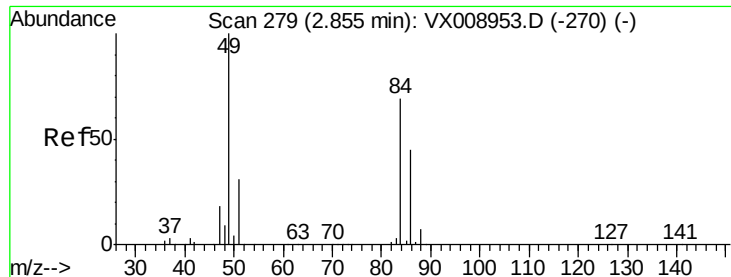
Tgt Ion: 76 Resp: 546

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

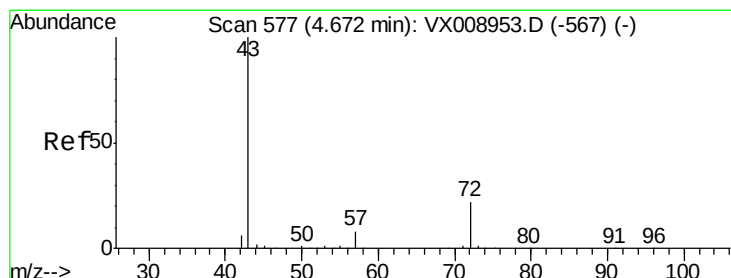
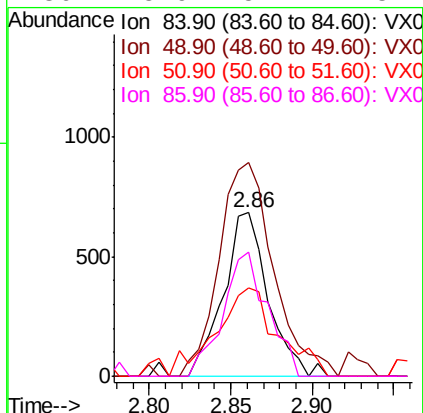
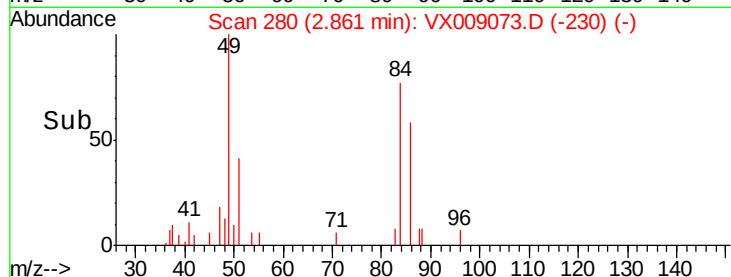
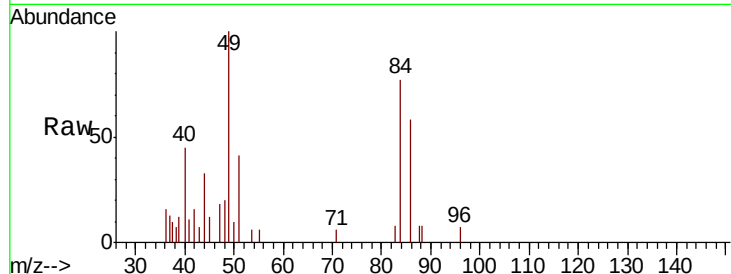




#20
Methylene Chloride
Concen: 0.461 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

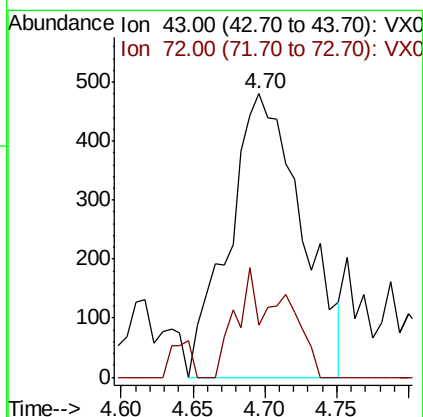
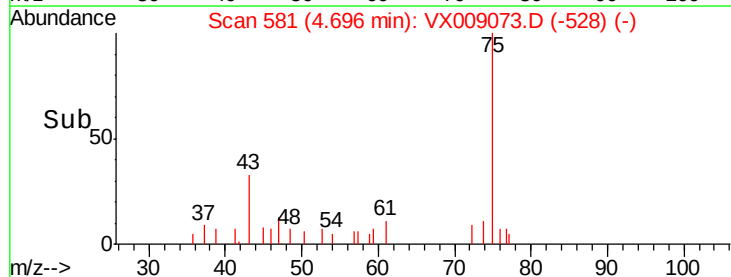
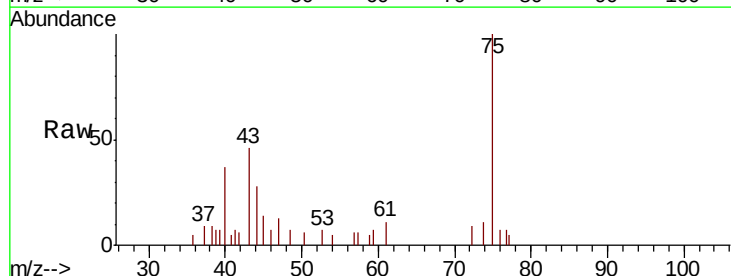
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB12-190417

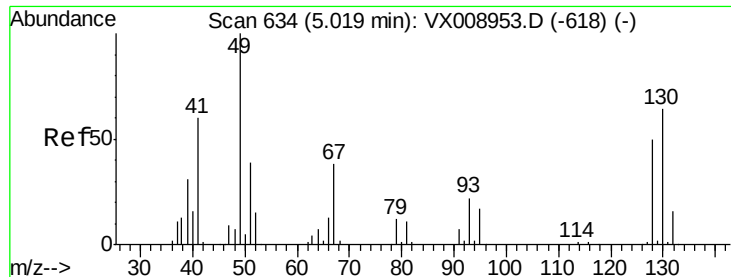
Tot Ion	84	Resp	1307
Ion	Ratio	Lower	Upper
84	100		
49	130.5	115.4	173.0
51	53.9	35.8	53.6
86	75.9	52.1	78.1



#25
2-Butanone
Concen: 0.635 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

Tgt Ion	43	Resp	1681
Ion	Ratio	Lower	Upper
43	100		
72	18.5	17.5	26.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB12-190417

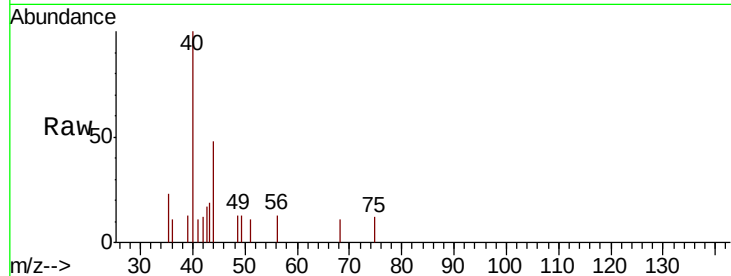
Tot Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

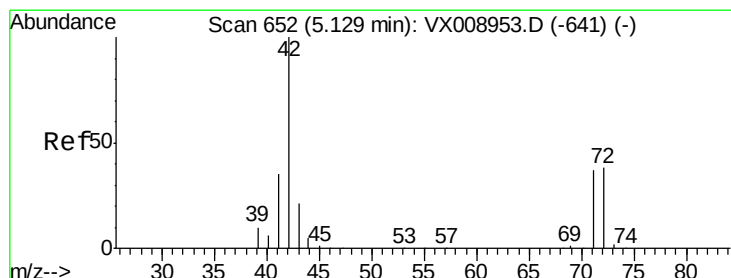
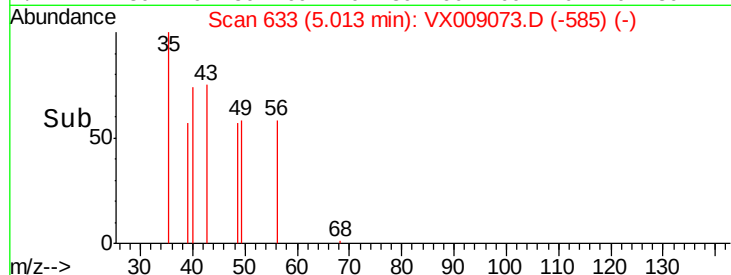
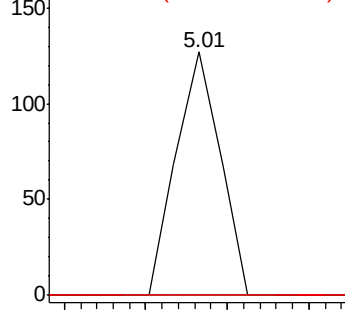
130 0.0 50.4 75.6#



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: 0.360 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

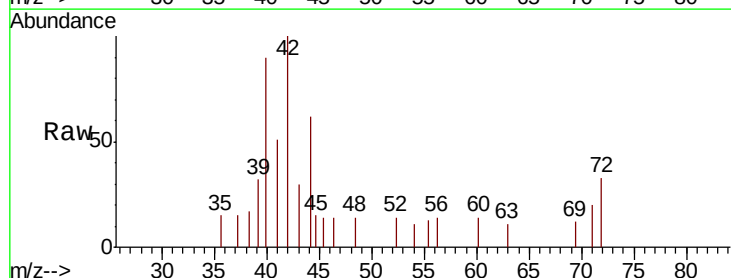
Tgt Ion: 42 Resp: 637

Ion Ratio Lower Upper

42 100

72 83.2 30.6 45.8#

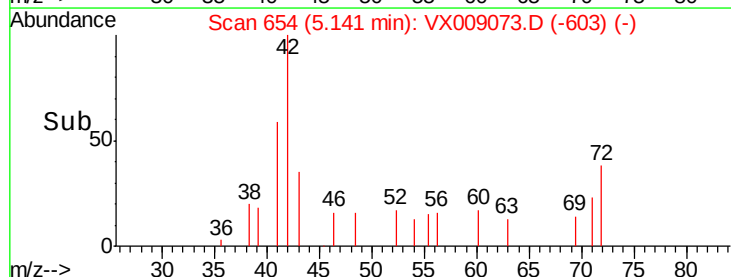
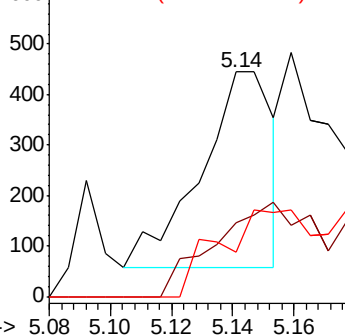
71 60.9 28.8 43.2#

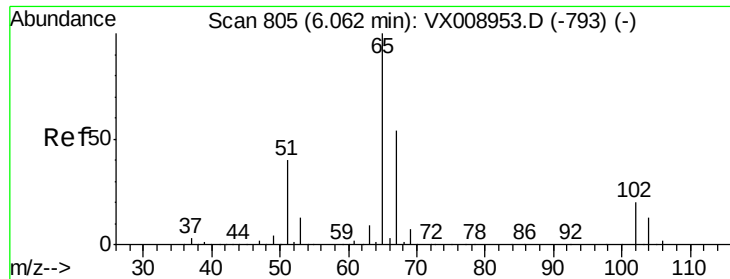


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

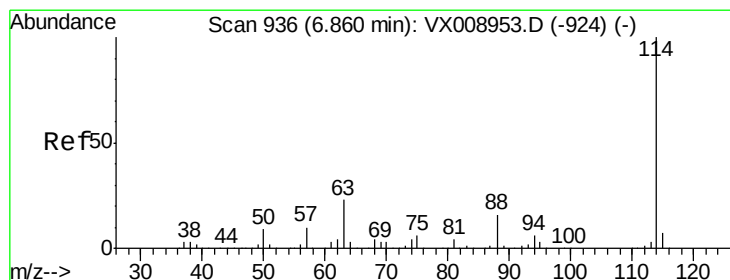
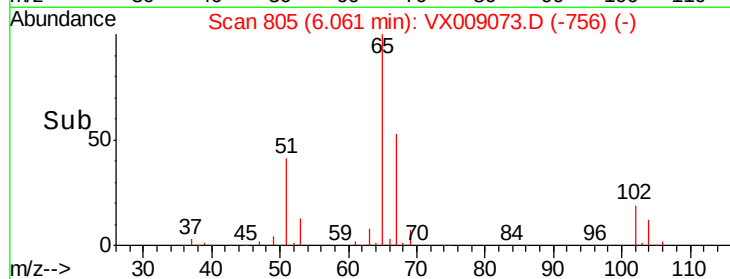
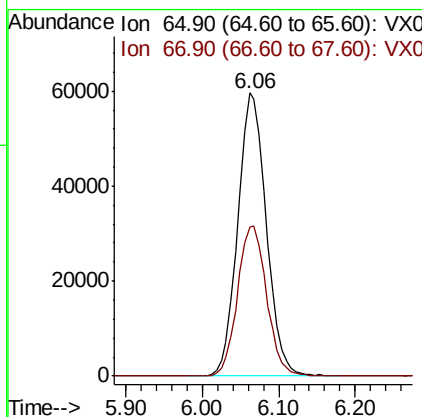
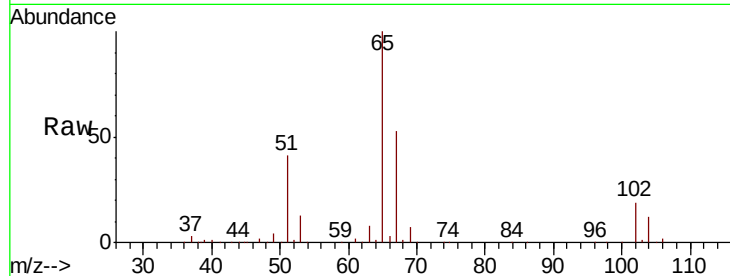




#33
 1,2-Dichloroethane-d4
 Concen: 48.279 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009073.D
 Acq: 19 Apr 2019 16:17

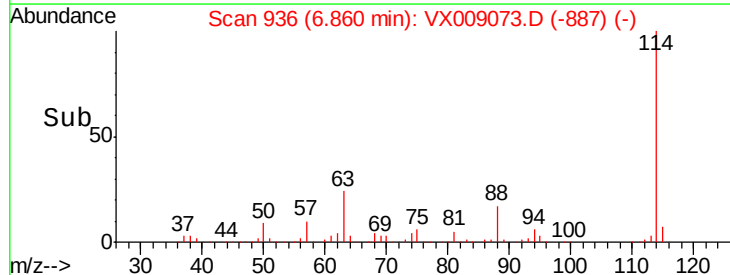
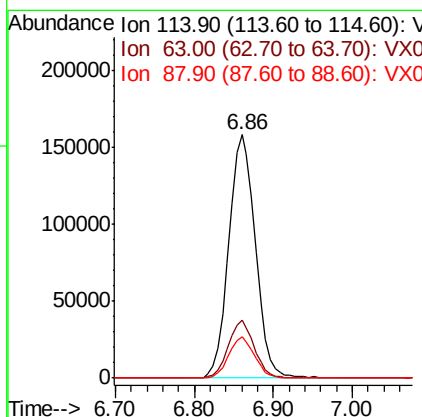
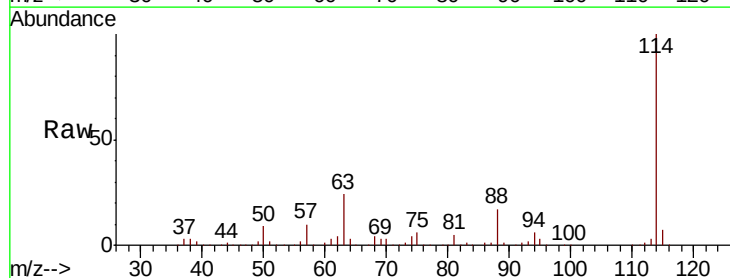
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB12-190417

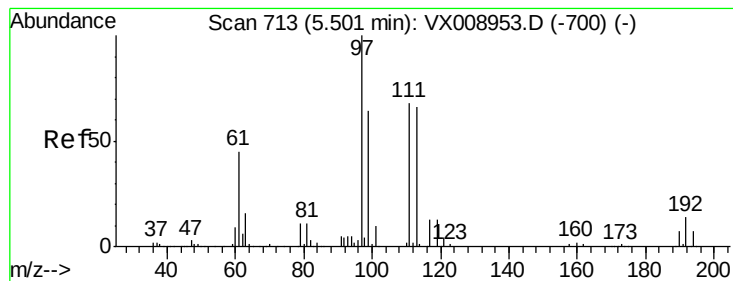
Tot Ion: 65 Resp: 154188
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009073.D
 Acq: 19 Apr 2019 16:17

Tgt Ion: 114 Resp: 370704
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.0
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.171 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB12-190417

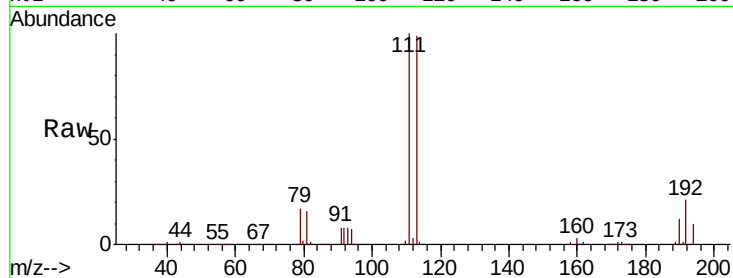
Tot Ion:113 Resp: 112224

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

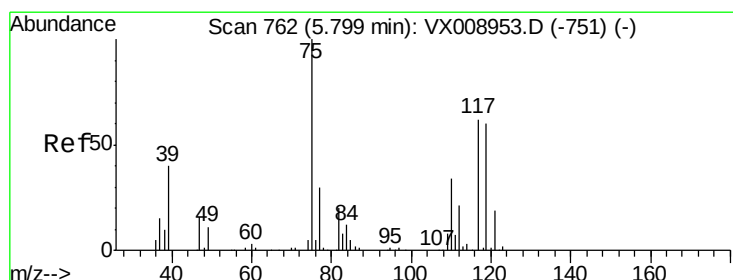
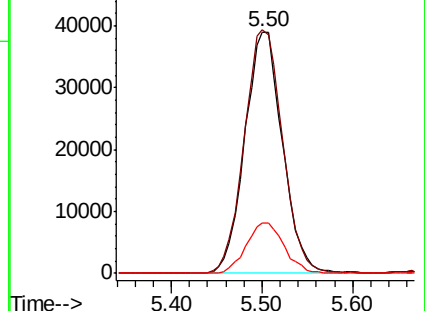
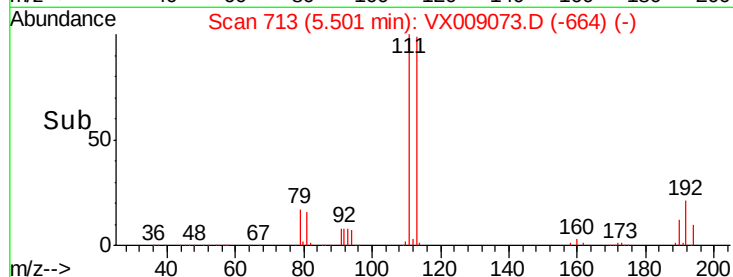
192 21.0 17.4 26.0



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: 4.853 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

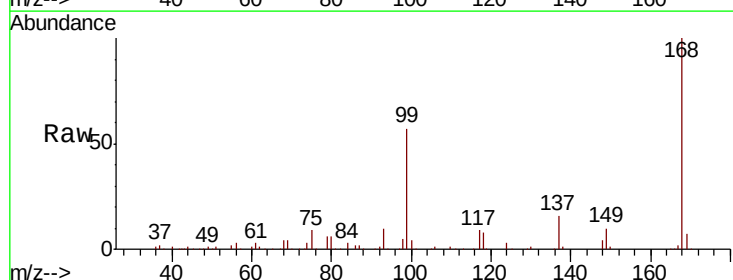
Tgt Ion: 75 Resp: 18605

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

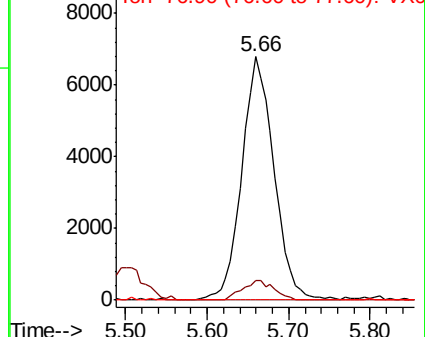
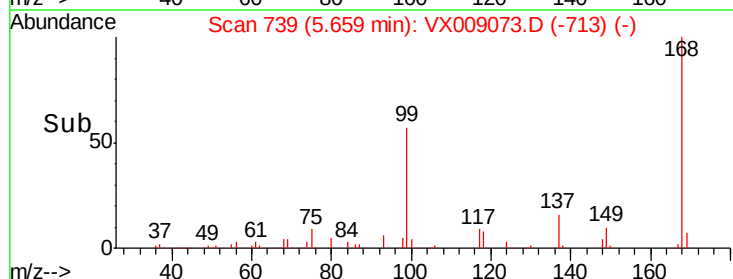
77 0.0 25.0 37.4#

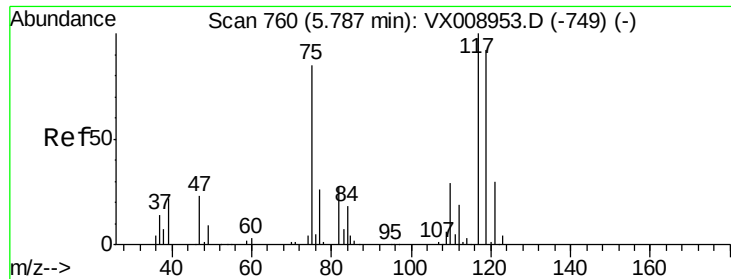


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.584 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB12-190417

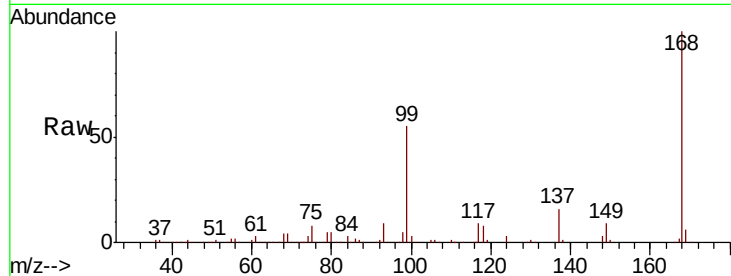
Tot Ion:117 Resp: 21398

Ion Ratio Lower Upper

117 100

119 5.9 73.8 110.8#

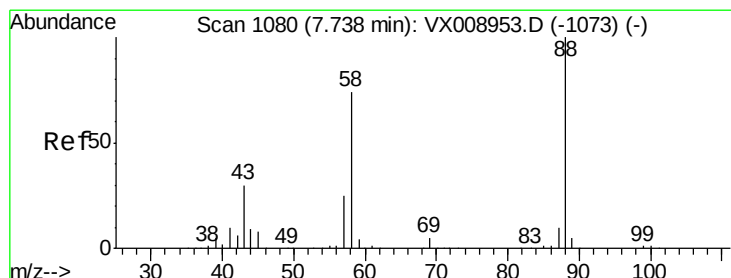
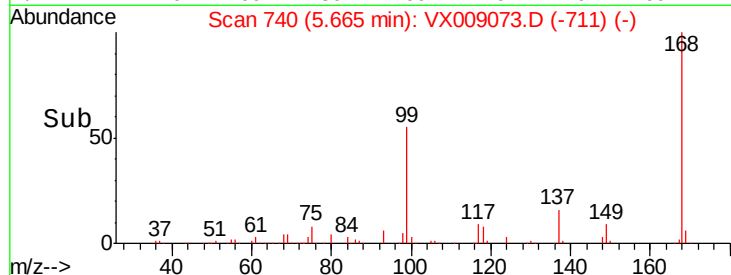
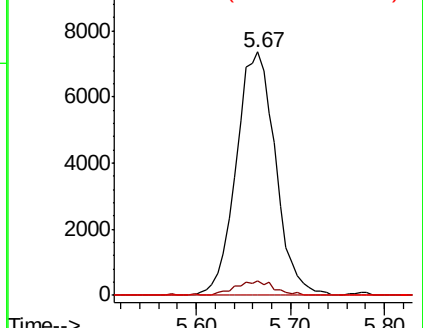
121 0.0 23.6 35.4#



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: 0.286 ug/l

RT: 7.87 min Scan# 1101

Delta R.T. 0.13 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

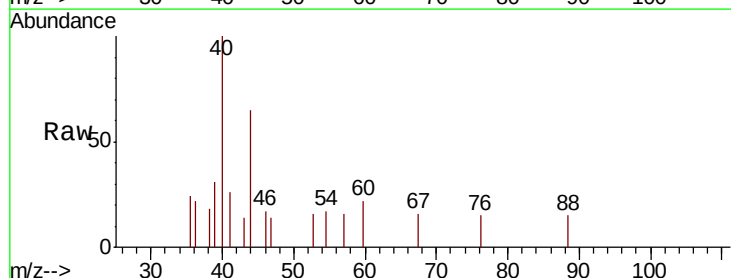
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 233.3 29.3 43.9#

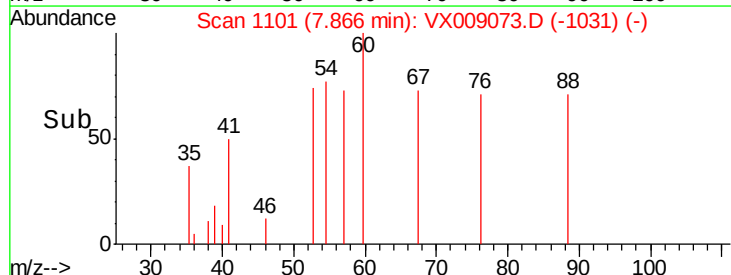
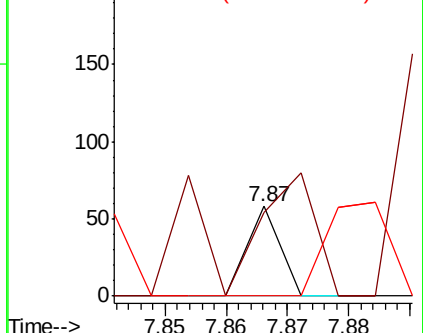
58 0.0 62.6 93.8#

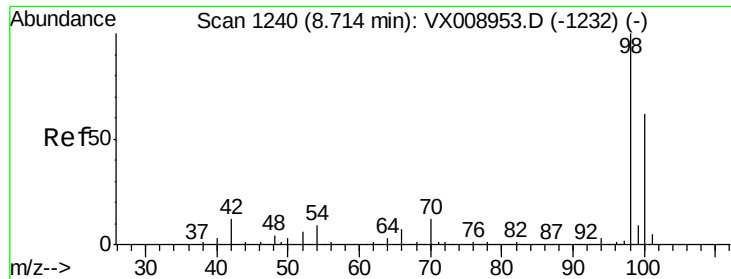


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

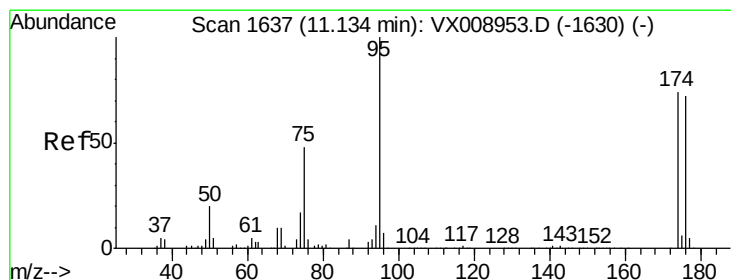
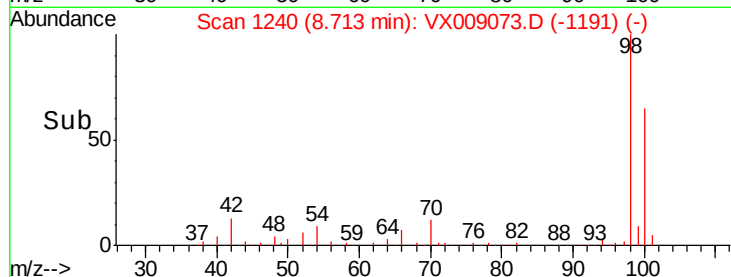
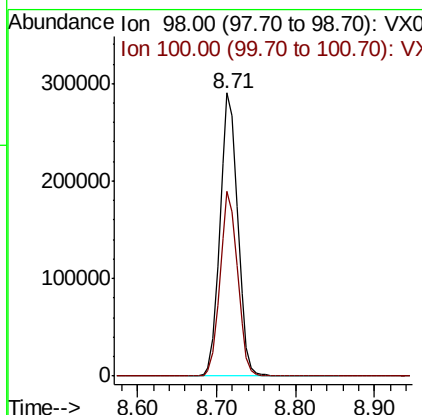
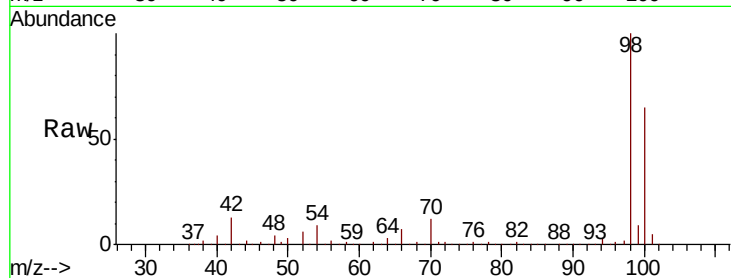




#50
Toluene-d8
Concen: 47.913 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

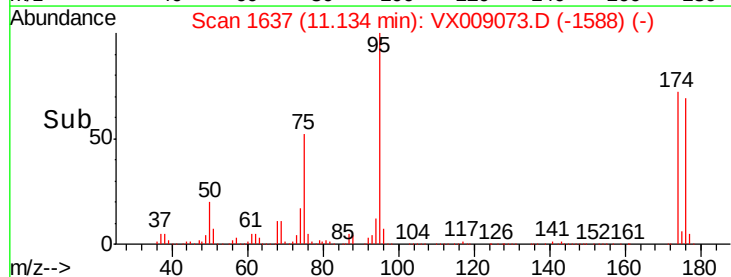
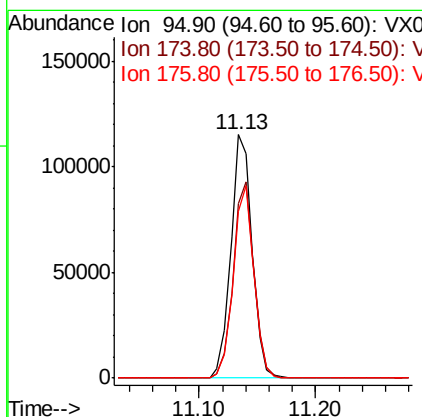
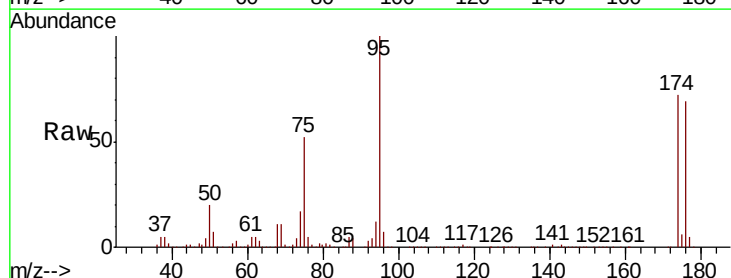
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB12-190417

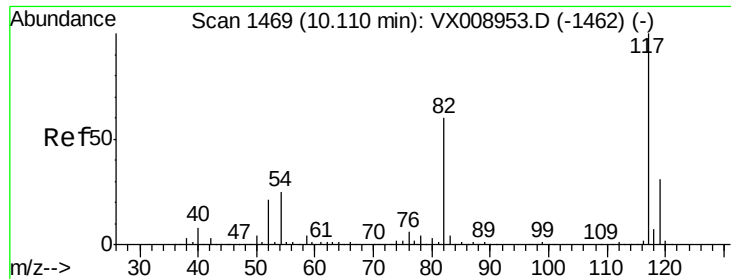
Tot Ion: 98 Resp: 454598
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 43.634 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

Tgt Ion: 95 Resp: 146140
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.6
176 77.0 0.0 154.8

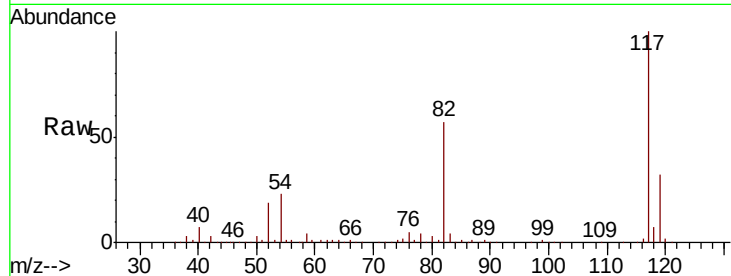




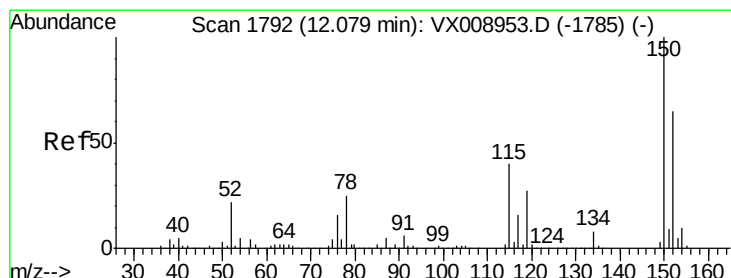
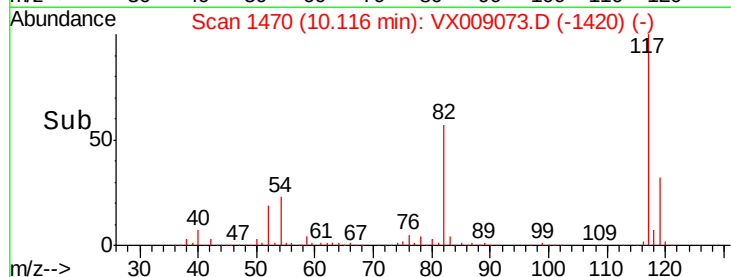
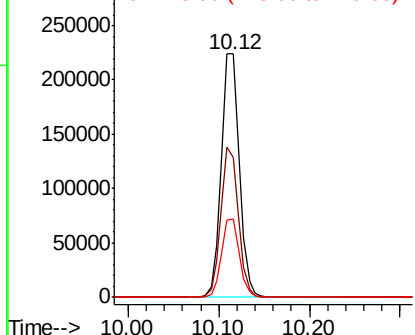
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB12-190417

Tot Ion:117 Resp: 312735
Ion Ratio Lower Upper
117 100
82 57.5 48.2 72.4
119 32.3 25.0 37.6

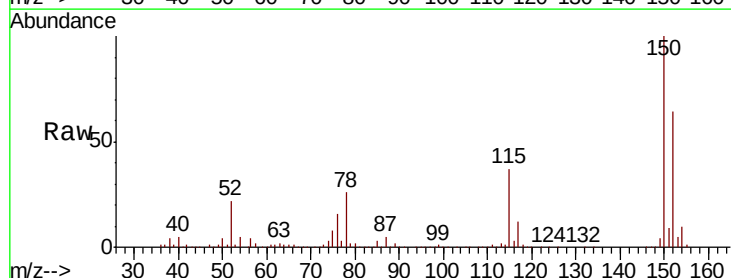


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

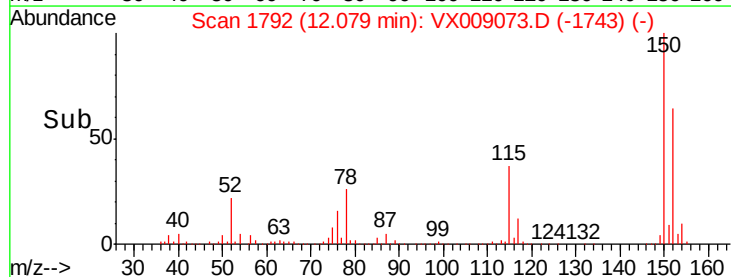
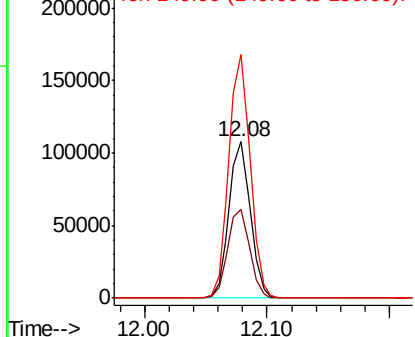


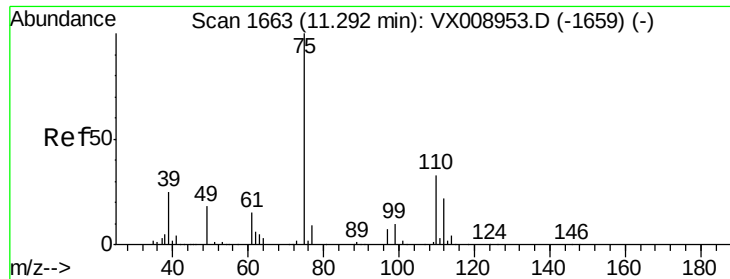
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009073.D
Acq: 19 Apr 2019 16:17

Tgt Ion:152 Resp: 129685
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 155.9 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: 23.798 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

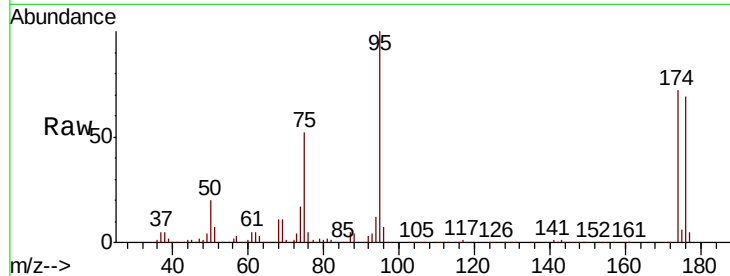
Z3-TB12-190417

Tot Ion: 75 Resp: 75361

Ion Ratio Lower Upper

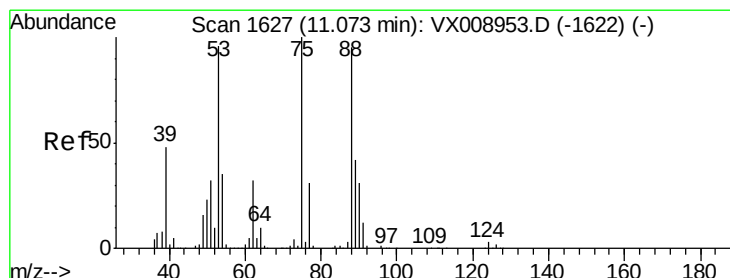
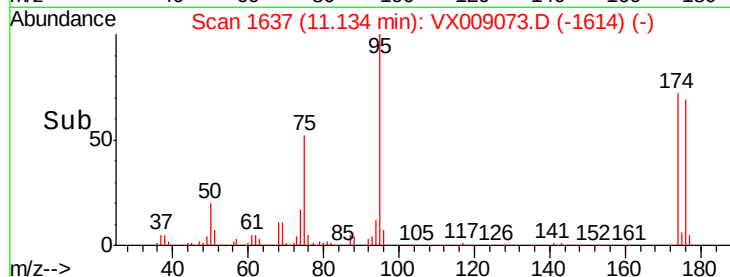
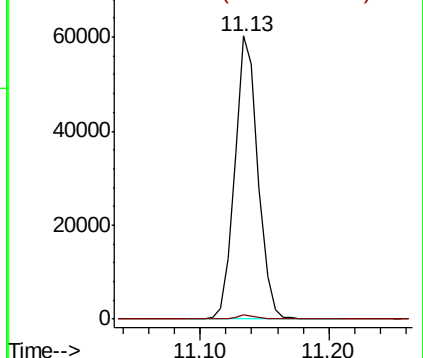
75 100

77 1.4 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: 61.097 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009073.D

Acq: 19 Apr 2019 16:17

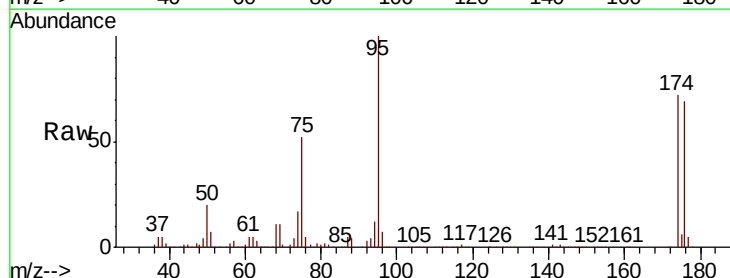
Tgt Ion: 75 Resp: 75361

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.1 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

