

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009104.D
 Acq On : 22 Apr 2019 17:55
 Operator : JC/SP
 Sample : K2522-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WELL-1

Quant Time: Apr 23 02:34:56 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	5.66	168	235425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133992	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	157309	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	5.50	113	116157	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.71	98	478966	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	154873	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

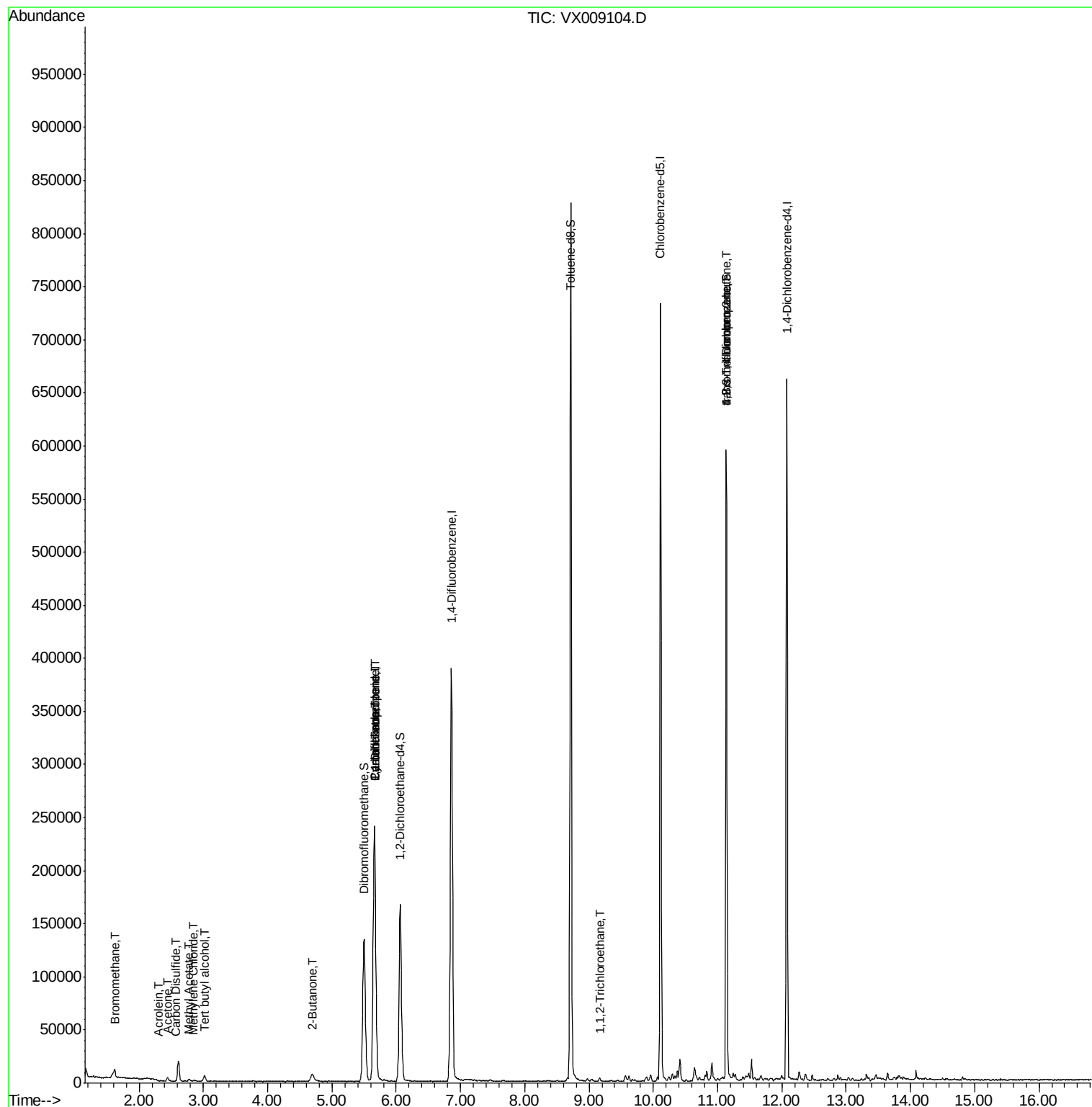
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	116	3.901	ug/l #	49
11) Tert butyl alcohol	3.01	59	3591	4.876	ug/l #	78
13) Acrolein	2.29	56	187	0.294	ug/l #	77
16) Acetone	2.45	43	3592	2.088	ug/l	97
17) Carbon Disulfide	2.57	76	498	1.318	ug/l #	23
18) Methyl Acetate	2.78	43	2445	0.569	ug/l #	86
20) Methylene Chloride	2.85	84	615	0.209	ug/l #	82
25) 2-Butanone	4.68	43	1147	0.417	ug/l #	54
28) Bromochloromethane	5.02	49	27	Below Cal	#	21
31) Cyclohexane	5.66	56	5129	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18311	4.628	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22085	6.584	ug/l #	16
55) 1,1,2-Trichloroethane	9.17	97	902	0.325	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	78144	23.884	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78144	61.317	ug/l #	11

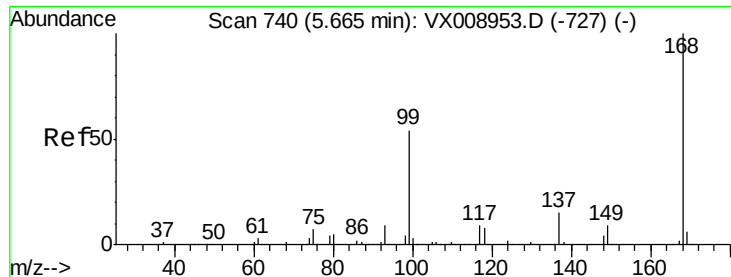
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

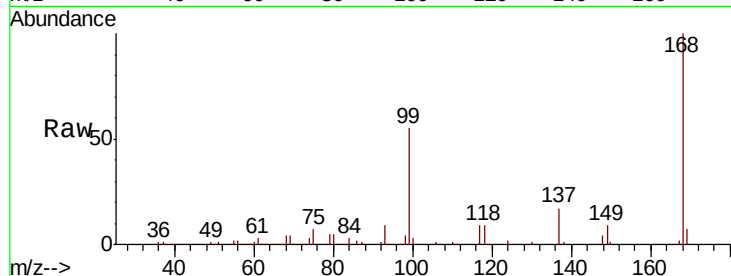
WELL-1

Tot Ion:168 Resp: 235425

Ion Ratio Lower Upper

168 100

99 55.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

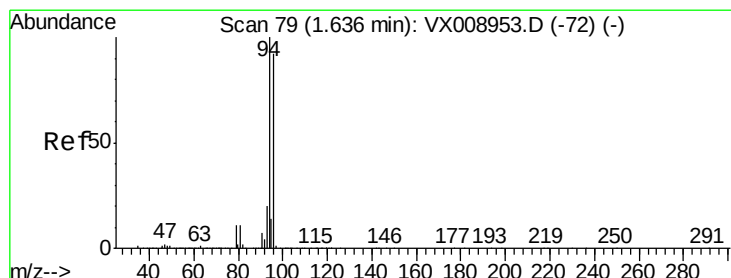
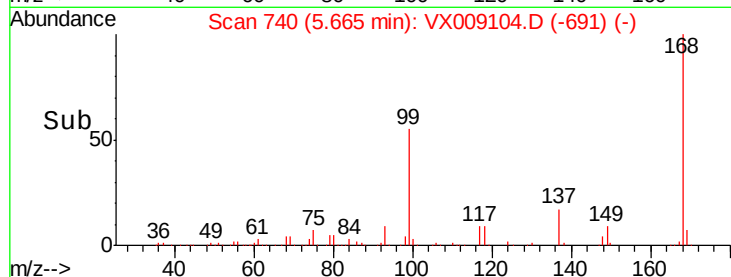
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.901 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009104.D

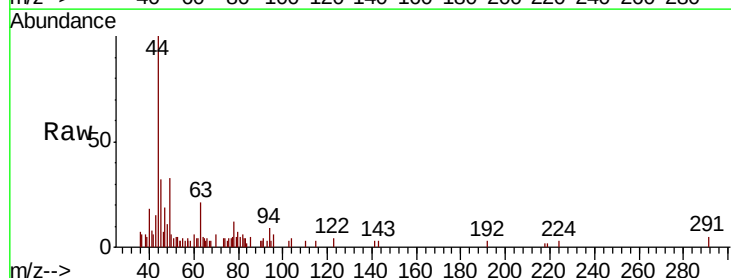
Acq: 22 Apr 2019 17:55

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 43.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

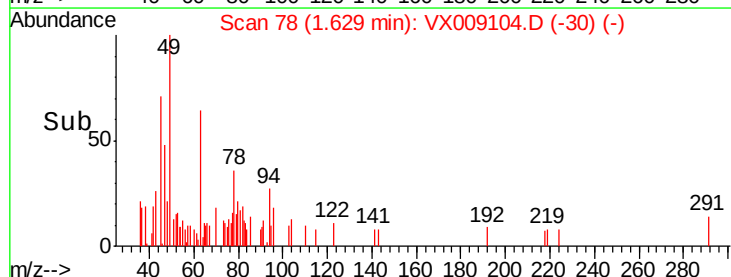
150

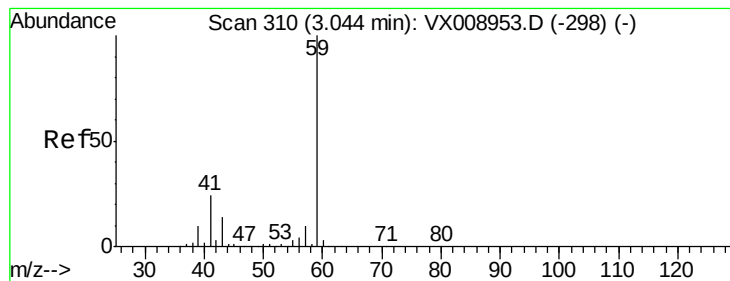
100

50

0

Time--> 1.62 1.64



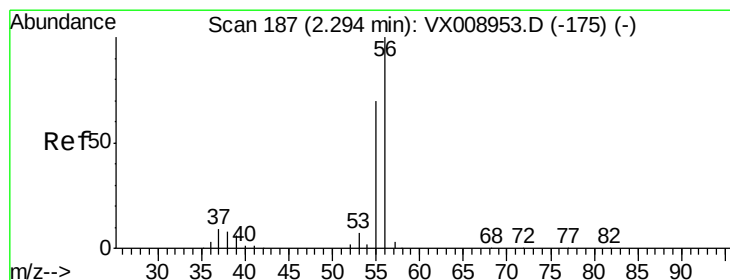
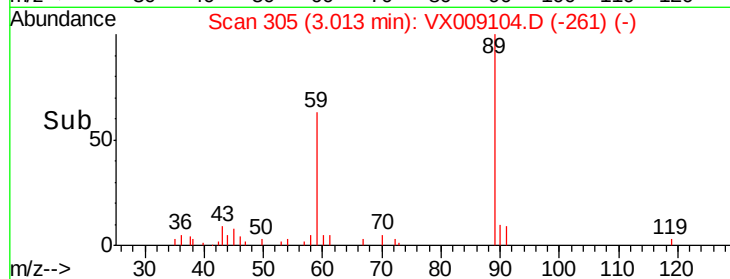
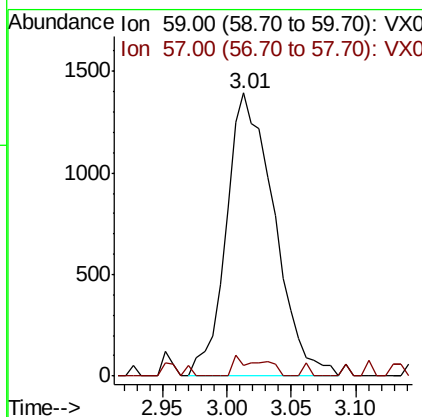
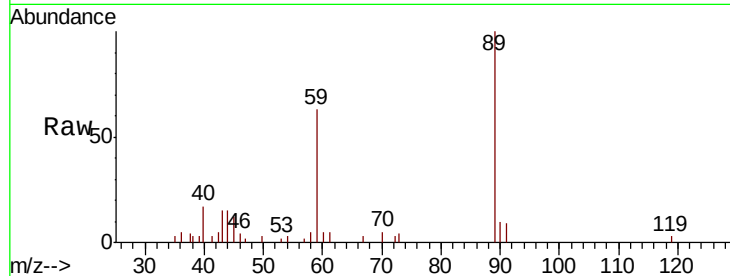


#11

Tert butyl alcohol
 Concen: 4.876 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

Instrument :
 MSVOA_X
 ClientSampled :
 WELL-1

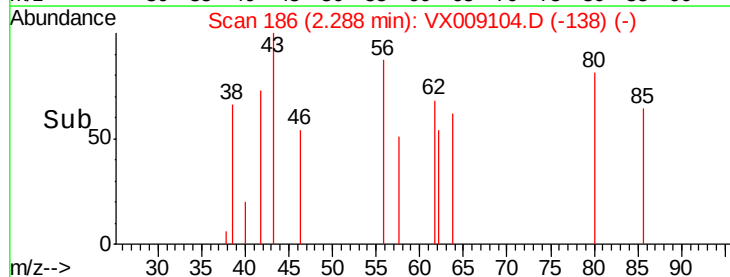
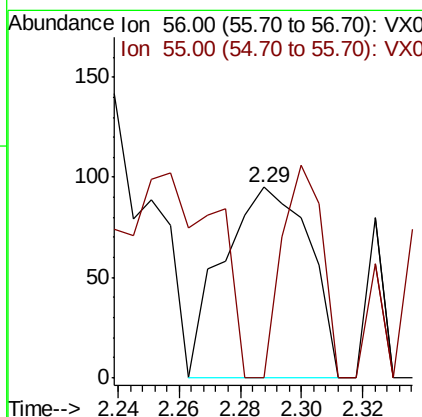
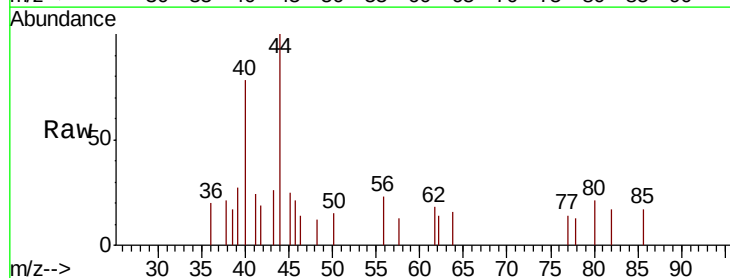
Tot Ion: 59 Resp: 3591
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.4 12.6#

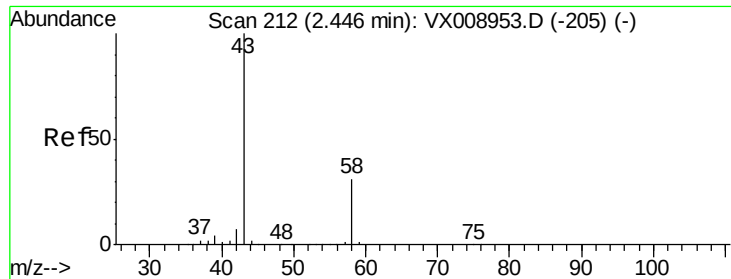


#13

Acrolein
 Concen: 0.294 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

Tgt Ion: 56 Resp: 187
 Ion Ratio Lower Upper
 56 100
 55 51.3 56.6 84.8#





#16

Acetone

Concen: 2.088 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

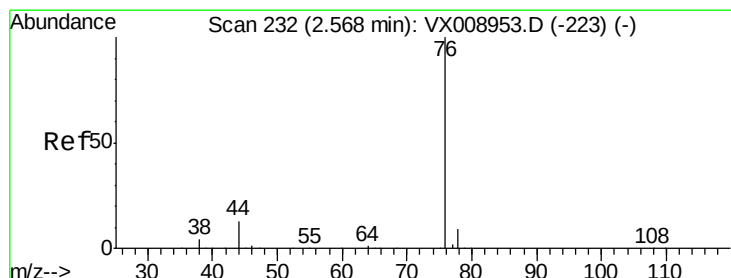
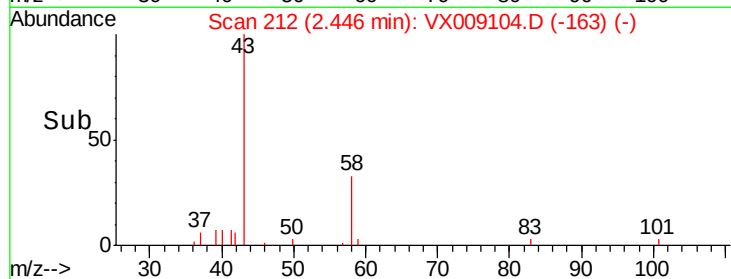
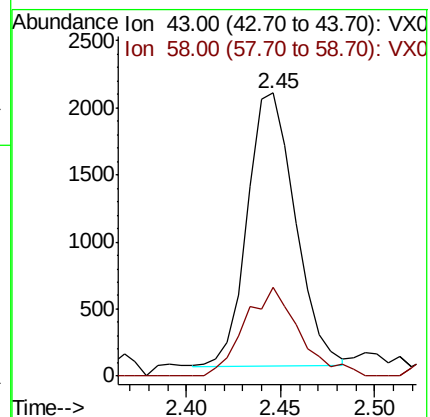
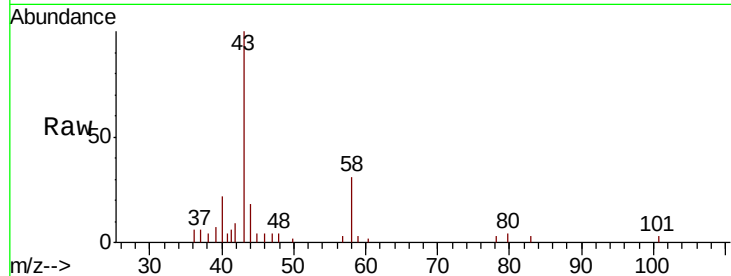
WELL-1

Tot Ion: 43 Resp: 3592

Ion Ratio Lower Upper

43 100

58 32.5 24.8 37.2



#17

Carbon Disulfide

Concen: 1.318 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009104.D

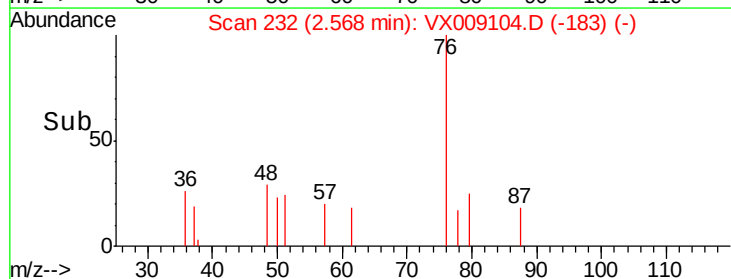
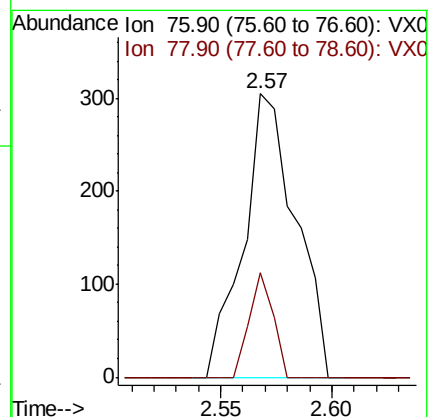
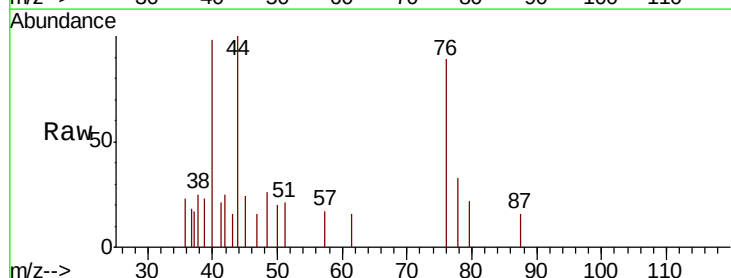
Acq: 22 Apr 2019 17:55

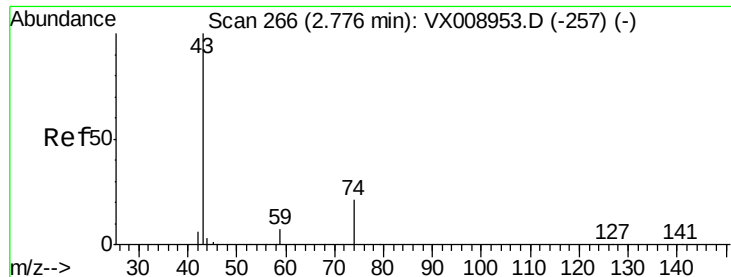
Tgt Ion: 76 Resp: 498

Ion Ratio Lower Upper

76 100

78 36.7 7.2 10.8#

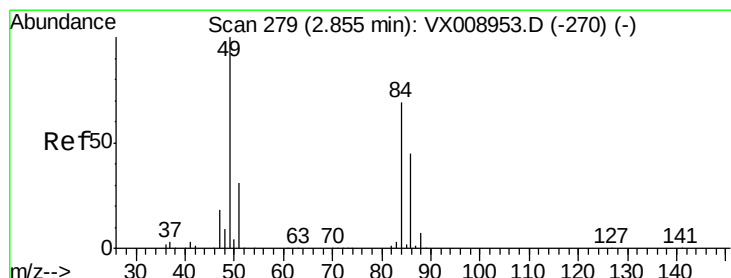
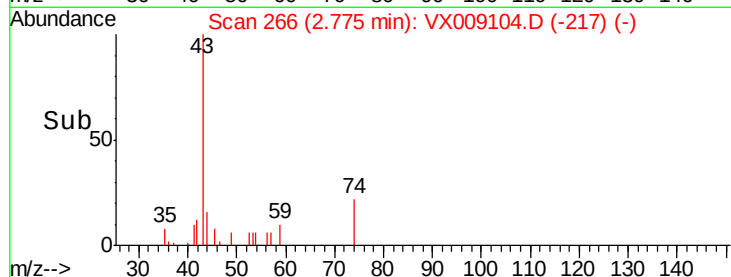
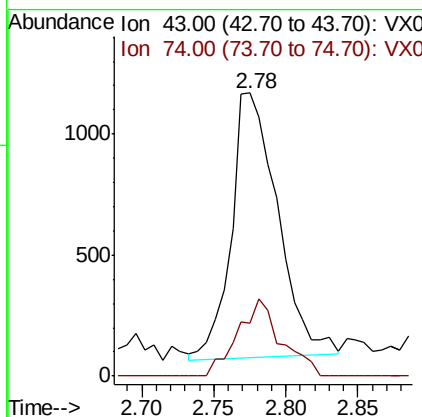
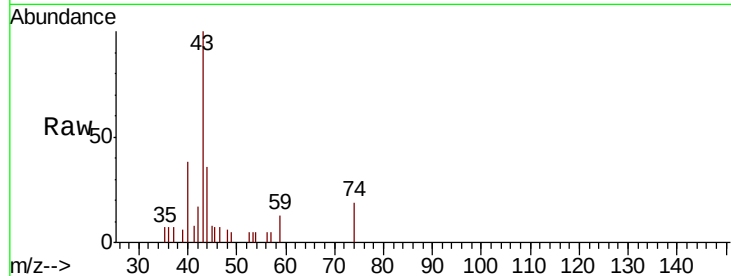




#18
Methvl Acetate
Concen: 0.569 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

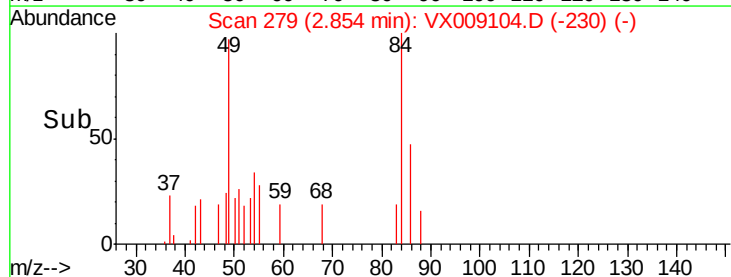
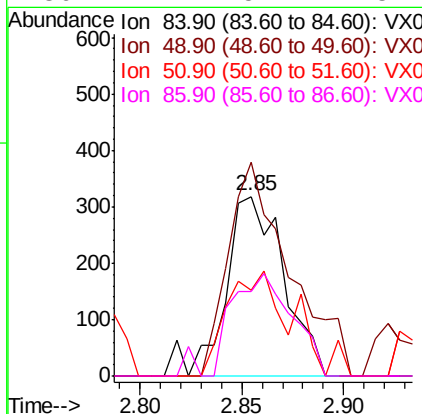
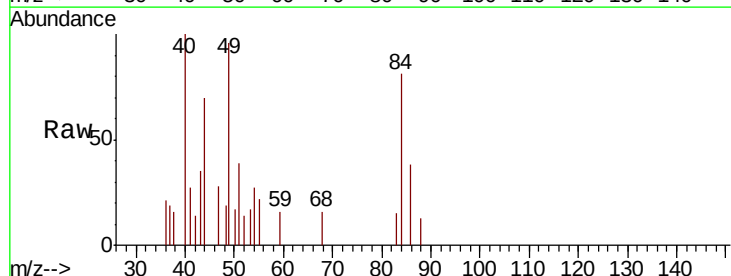
Instrument :
MSVOA_X
ClientSampled :
WELL-1

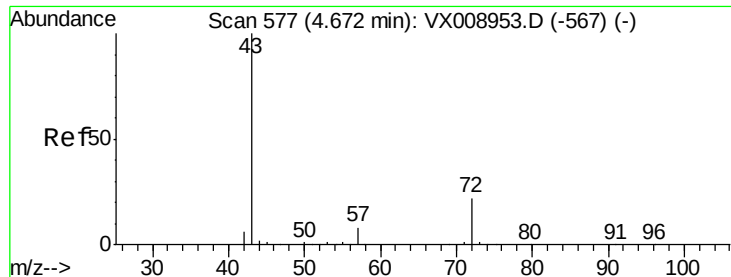
Tot Ion: 43 Resp: 2445
Ion Ratio Lower Upper
43 100
74 27.4 16.6 25.0#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

Tgt Ion: 84 Resp: 615
Ion Ratio Lower Upper
84 100
49 119.2 115.4 173.0
51 48.1 35.8 53.6
86 47.2 52.1 78.1#





#25

2-Butanone

Concen: 0.417 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

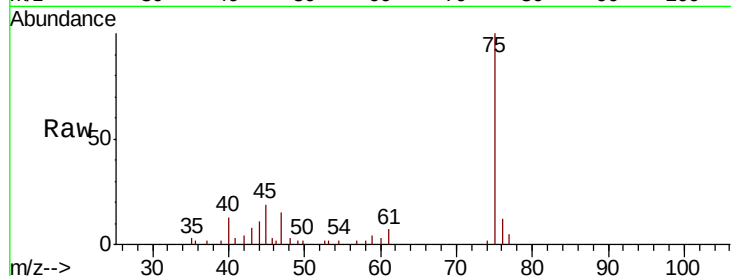
WELL-1

Tot Ion: 43 Resp: 1147

Ion Ratio Lower Upper

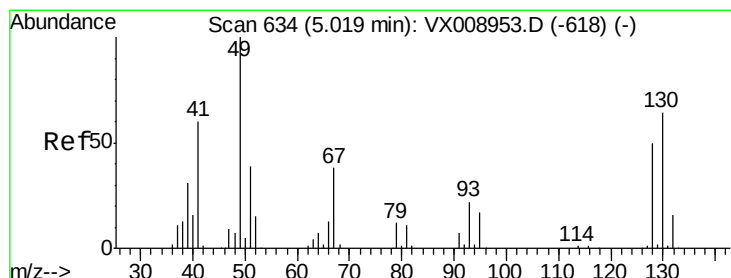
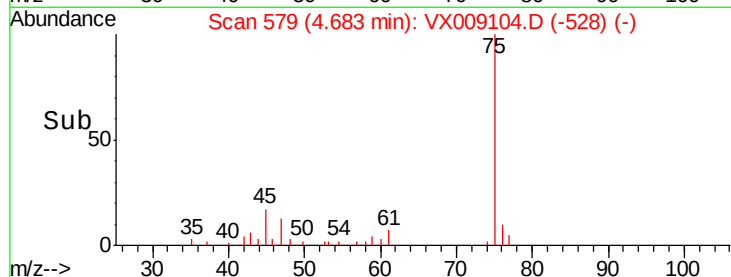
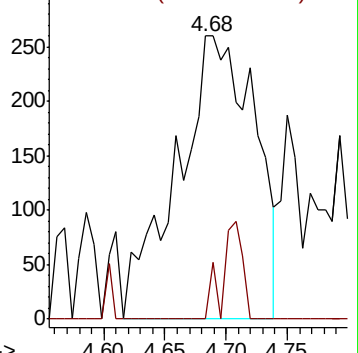
43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

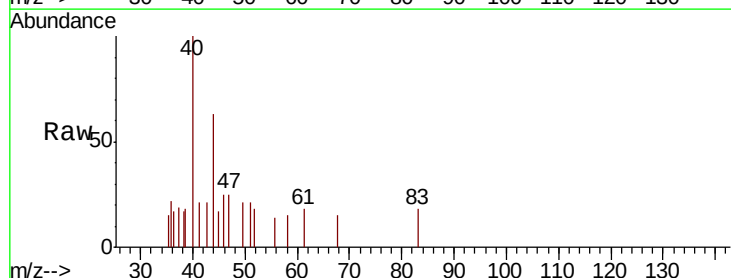
Tgt Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

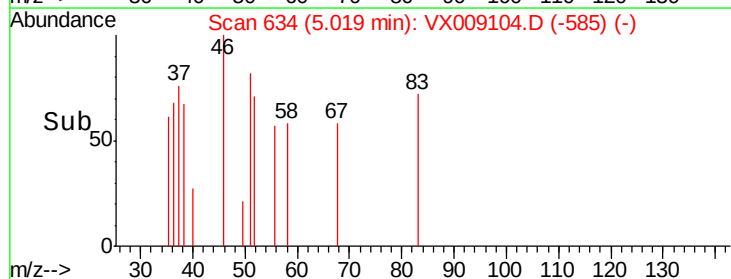
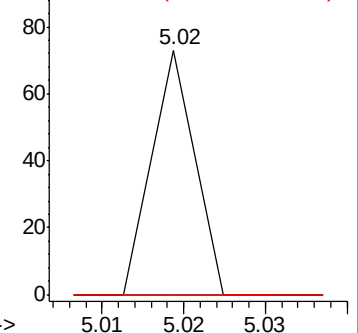
130 0.0 50.4 75.6#

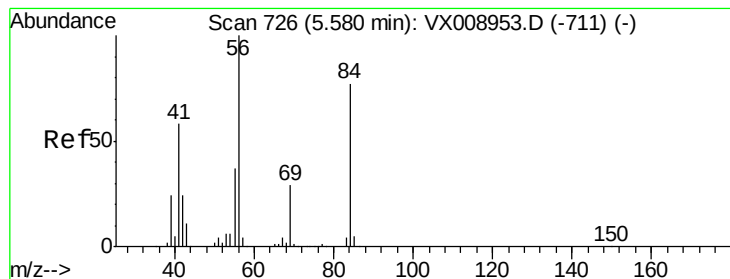


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

WELL-1

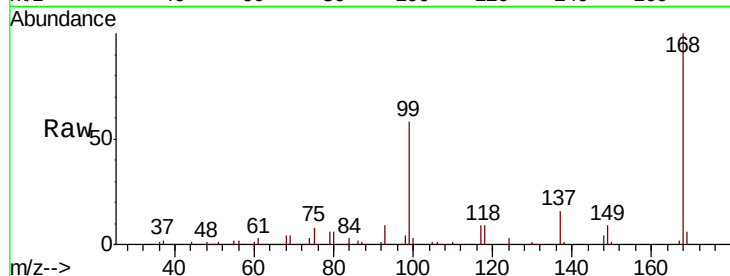
Tot Ion: 56 Resp: 5129

Ion Ratio Lower Upper

56 100

69 179.2 23.3 34.9#

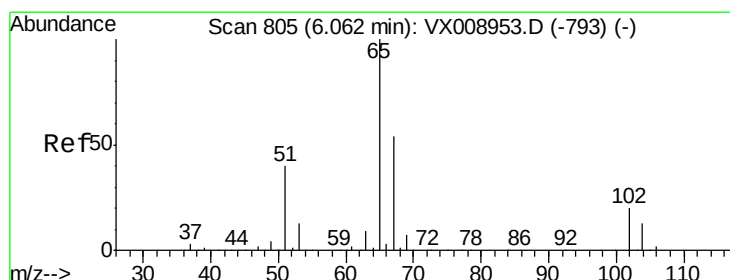
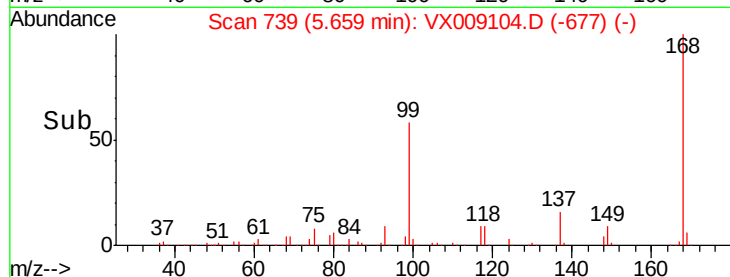
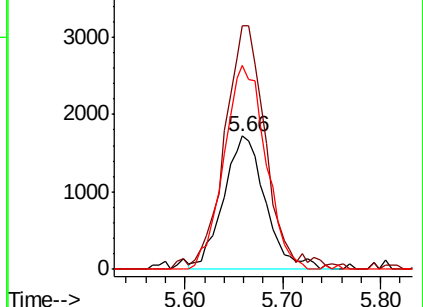
84 152.9 61.7 92.5#



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: 47.414 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009104.D

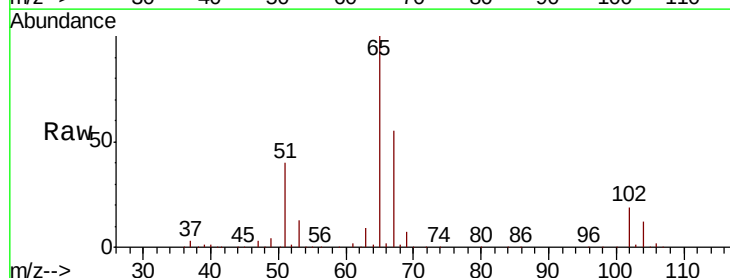
Acq: 22 Apr 2019 17:55

Tgt Ion: 65 Resp: 157309

Ion Ratio Lower Upper

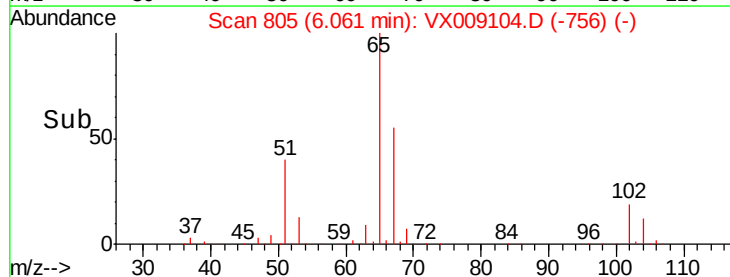
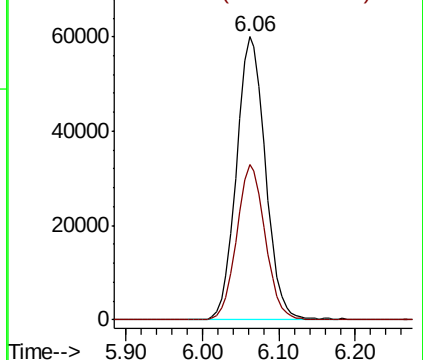
65 100

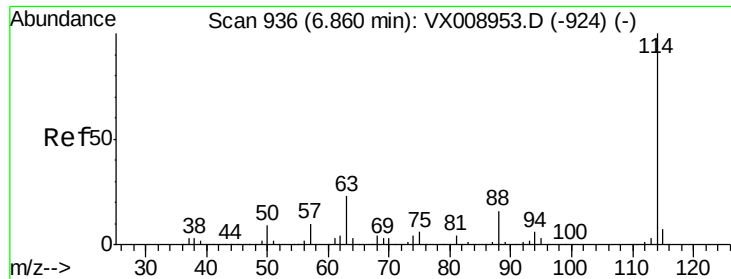
67 54.0 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

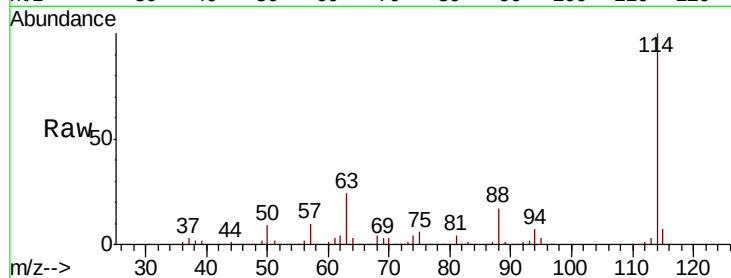




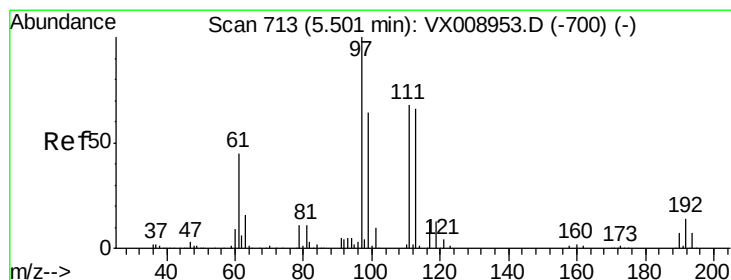
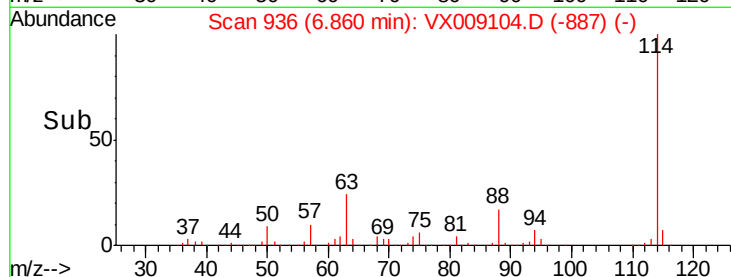
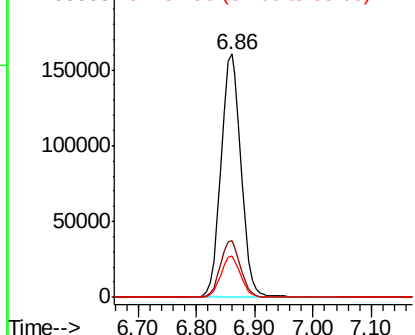
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 WELL-1

Tot Ion:114 Resp: 382551
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 17.2 0.0 32.6

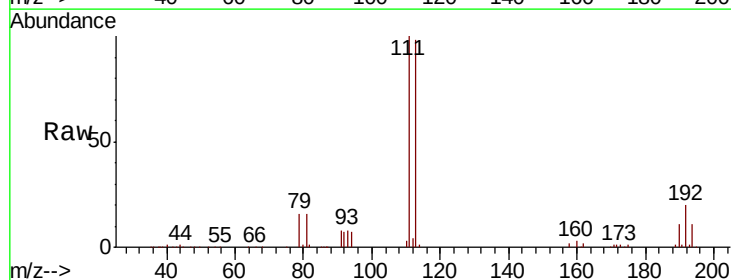


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

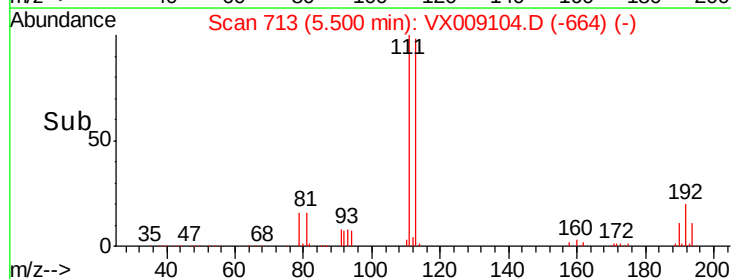
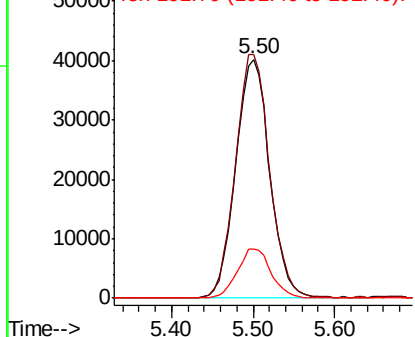


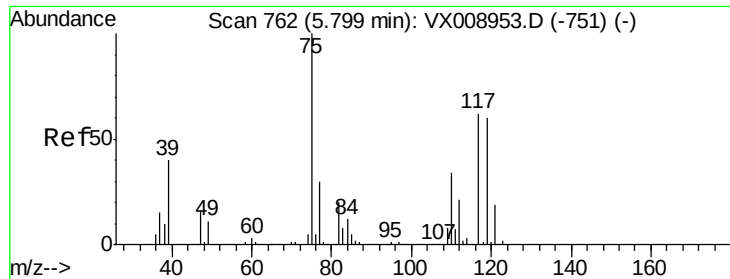
#35
 Dibromofluoromethane
 Concen: 47.312 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

Tgt Ion:113 Resp: 116157
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.9 124.3
 192 20.6 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

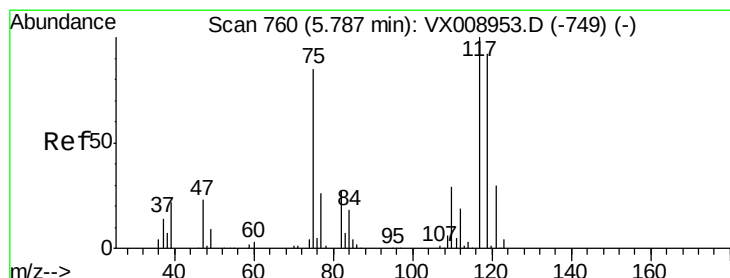
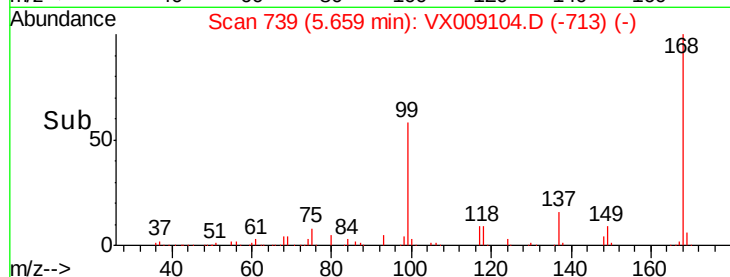
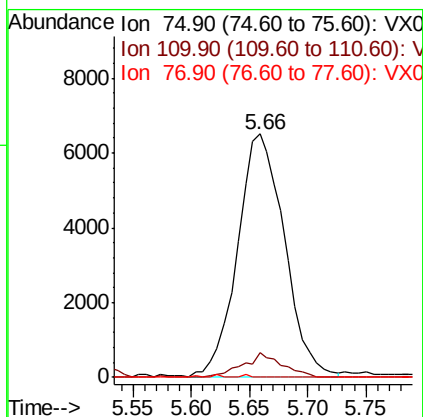
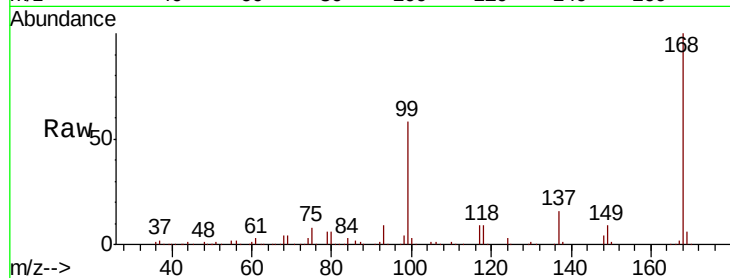




#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

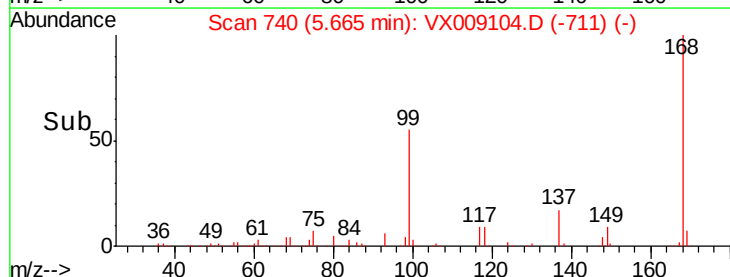
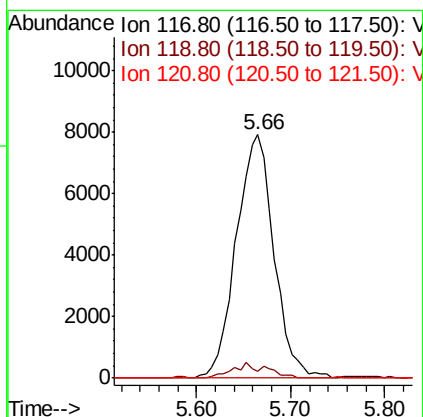
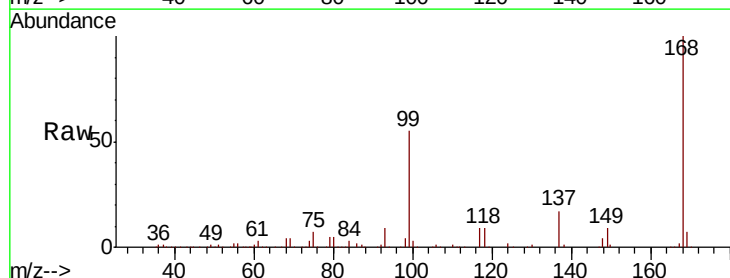
Instrument :
 MSVOA_X
 ClientSampleId :
 WELL-1

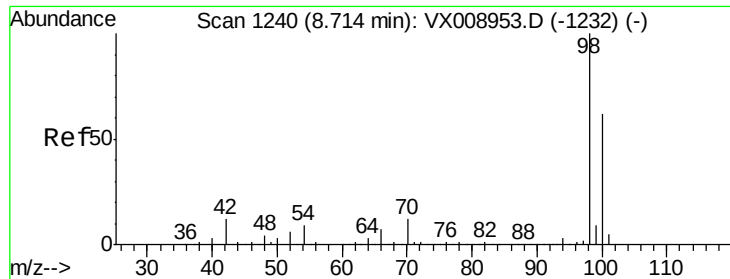
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.7#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.584 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009104.D
 Acq: 22 Apr 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	73.8	110.8#
121	0.0	23.6	35.4#

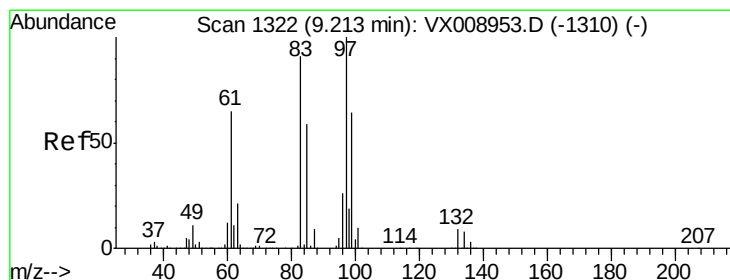
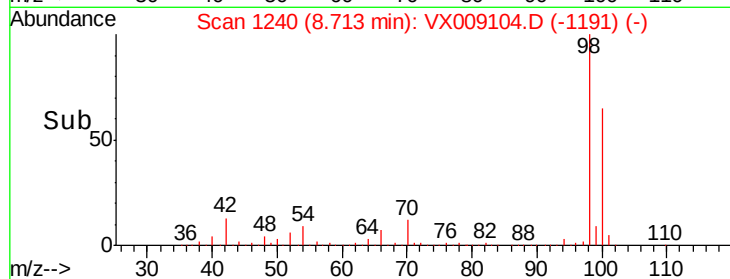
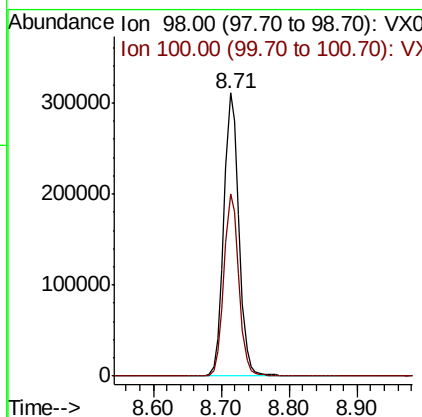
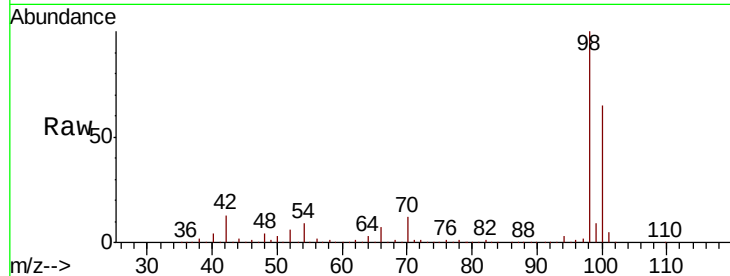




#50
Toluene-d8
Concen: 48.918 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

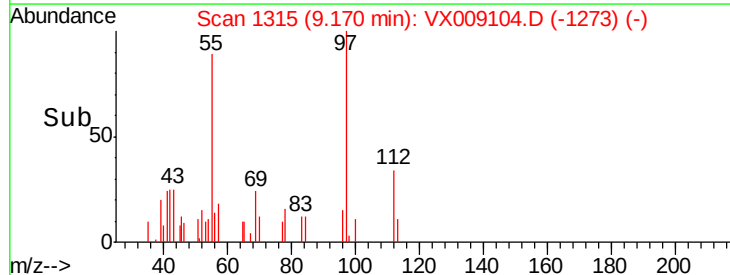
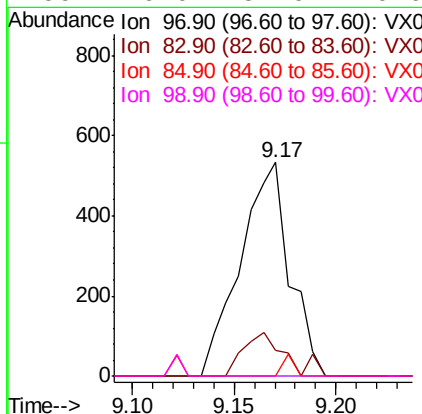
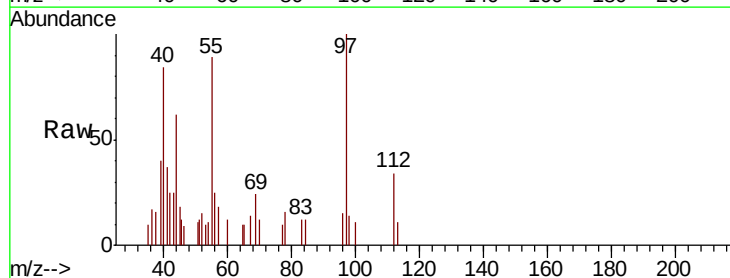
Instrument :
MSVOA_X
ClientSampleId :
WELL-1

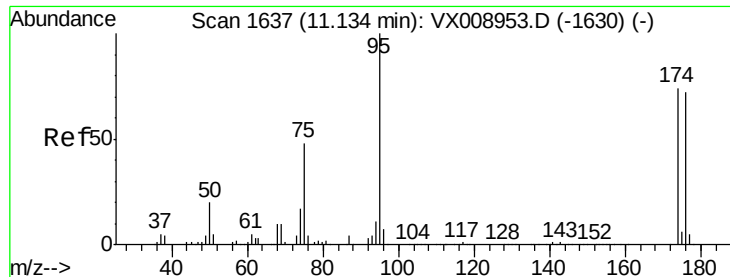
Tot Ion: 98 Resp: 478966
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#55
1,1,2-Trichloroethane
Concen: 0.325 ug/l
RT: 9.17 min Scan# 1315
Delta R.T. -0.04 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

Tgt Ion: 97 Resp: 902
Ion Ratio Lower Upper
97 100
83 11.8 72.6 108.8#
85 0.0 46.9 70.3#
99 0.0 51.0 76.6#





#62

4-Bromofluorobenzene

Concen: 44.809 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

WELL-1

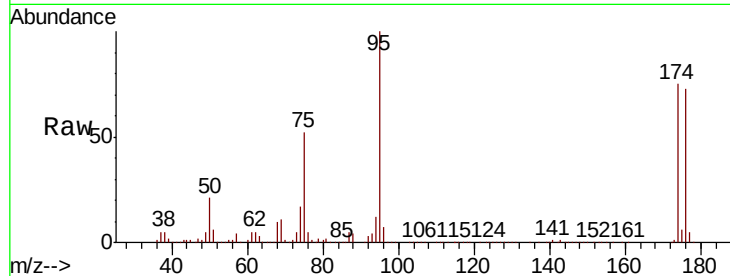
Tot Ion: 95 Resp: 154873

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

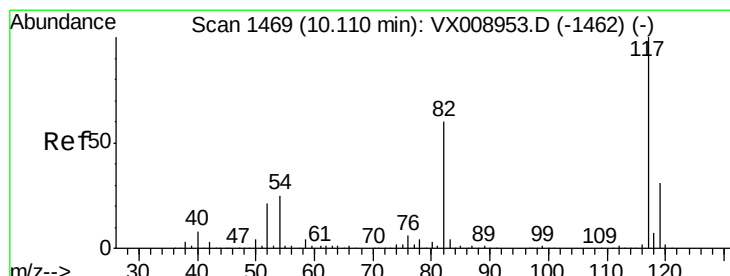
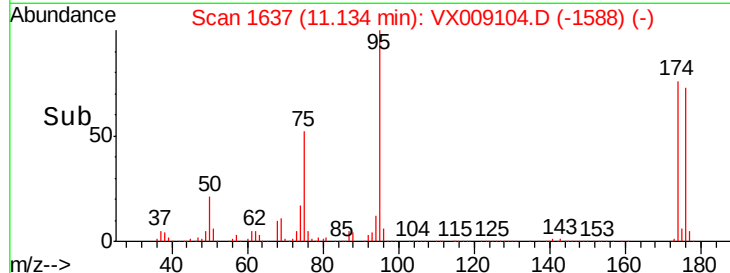
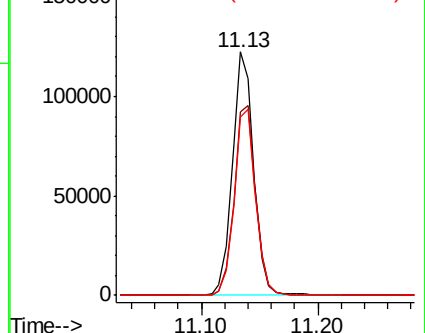
176 76.8 0.0 154.8



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: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

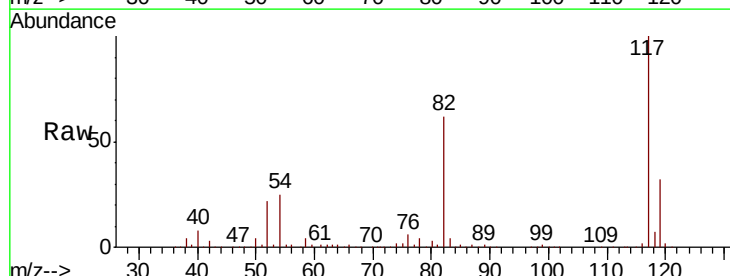
Tgt Ion: 117 Resp: 328063

Ion Ratio Lower Upper

117 100

82 61.9 48.2 72.4

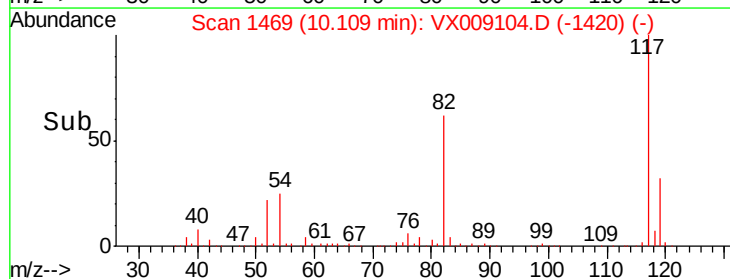
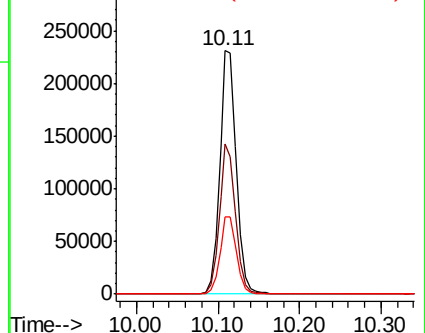
119 32.0 25.0 37.6

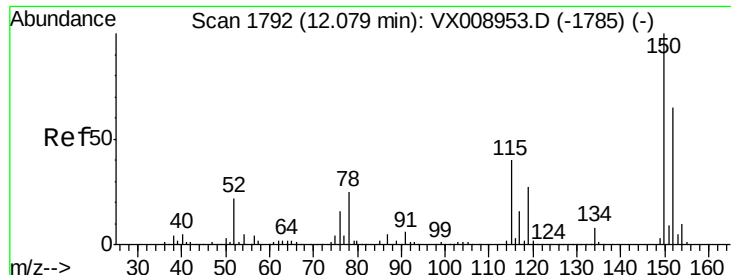


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



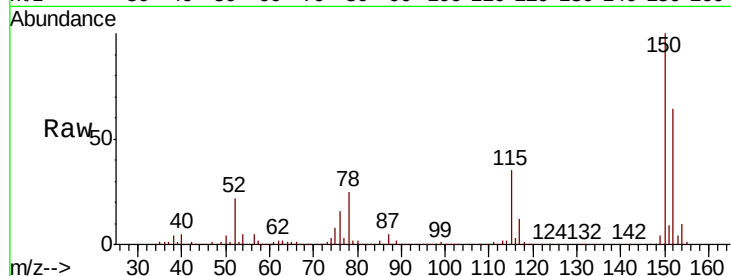


#72

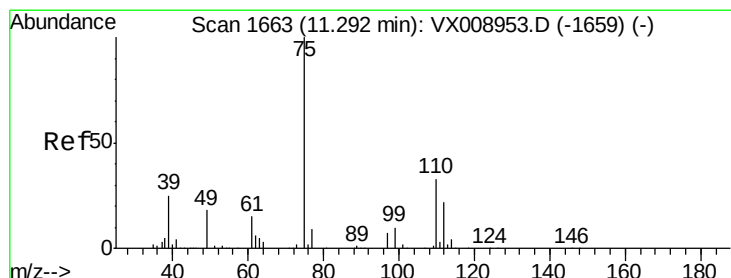
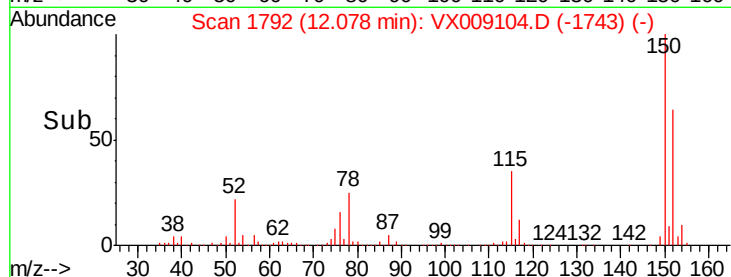
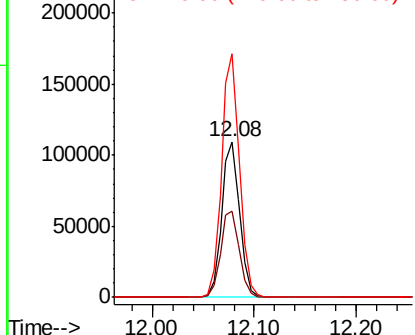
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

Instrument :
MSVOA_X
ClientSampled :
WELL-1

Tot Ion:152 Resp: 133992
Ion Ratio Lower Upper
152 100
115 57.7 41.4 124.2
150 155.6 0.0 349.8



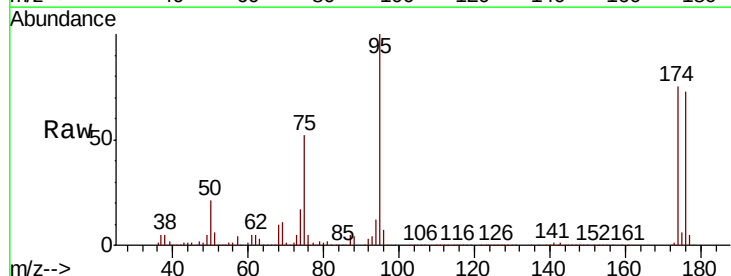
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



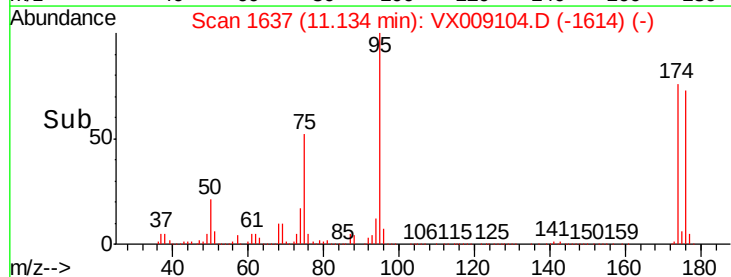
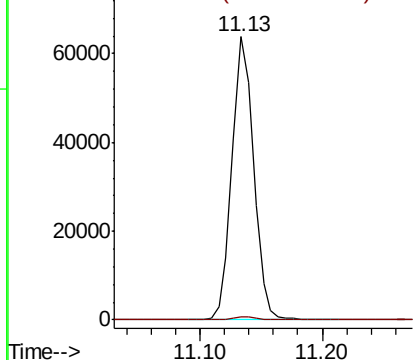
#76

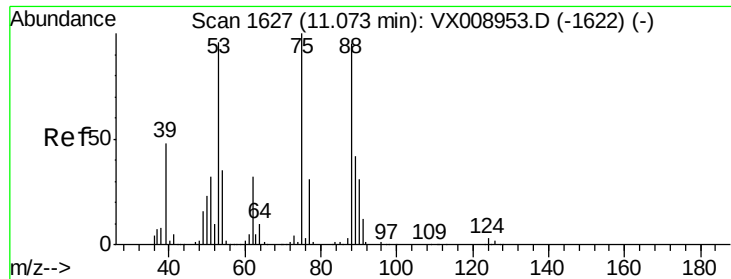
1,2,3-Trichloropropane
Concen: 23.884 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009104.D
Acq: 22 Apr 2019 17:55

Tgt Ion: 75 Resp: 78144
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: 61.317 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009104.D

Acq: 22 Apr 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

WELL-1

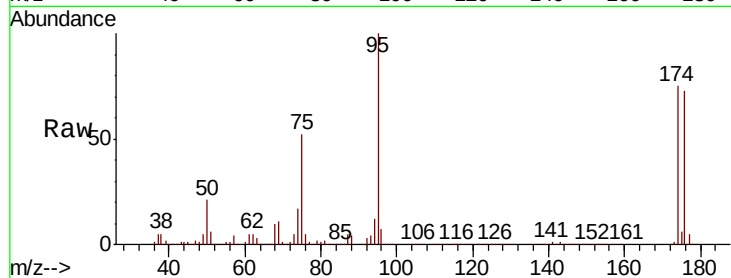
Tot Ion: 75 Resp: 78144

Ion Ratio Lower Upper

75 100

53 0.4 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

