

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009105.D
 Acq On : 22 Apr 2019 18:19
 Operator : JC/SP
 Sample : K2522-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WELL-2

Quant Time: Apr 23 02:35:04 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	242571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	161250	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	5.50	113	118701	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	8.71	98	490667	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	164535	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

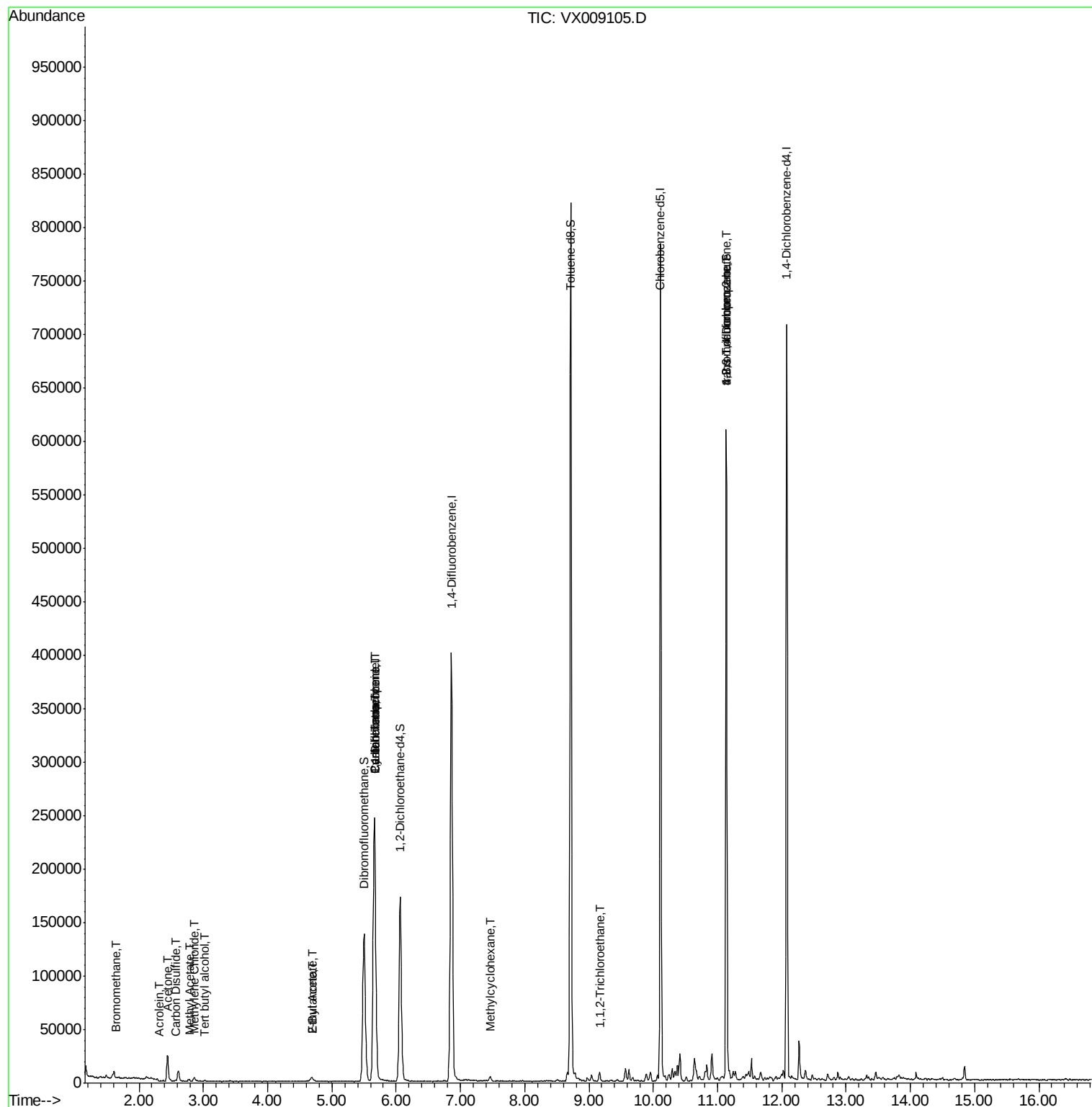
					Qvalue	
5) Bromomethane	1.65	94	207	3.940	ug/l #	69
11) Tert butyl alcohol	3.01	59	425	0.560	ug/l #	84
13) Acrolein	2.32	56	173	0.264	ug/l #	14
16) Acetone	2.45	43	26223	14.792	ug/l	97
17) Carbon Disulfide	2.57	76	831	1.359	ug/l #	74
18) Methyl Acetate	2.78	43	1905	0.431	ug/l	93
20) Methylene Chloride	2.86	84	1517	0.500	ug/l	96
25) 2-Butanone	4.69	43	6201	2.188	ug/l #	88
28) Bromochloromethane	5.00	49	64	Below Cal	#	21
31) Cyclohexane	5.66	56	5201	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19255	4.730	ug/l #	50
37) Ethyl Acetate	4.69	43	6201	1.184	ug/l #	70
38) Carbon Tetrachloride	5.67	117	23037	6.675	ug/l #	17
39) Methylcyclohexane	7.46	83	1905	0.384	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	2760	0.968	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	82747	23.080	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	82747	59.254	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042219\
Data File : VX009105.D
Acq On : 22 Apr 2019 18:19
Operator : JC/SP
Sample : K2522-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WELL-2

Quant Time: Apr 23 02:35:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
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: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

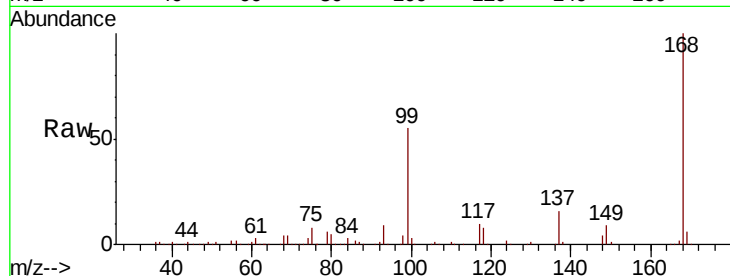
WELL-2

Tot Ion:168 Resp: 242571

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

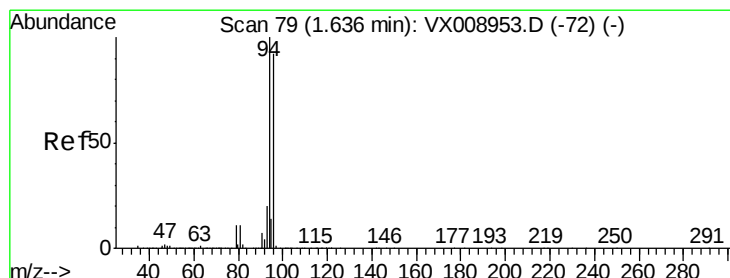
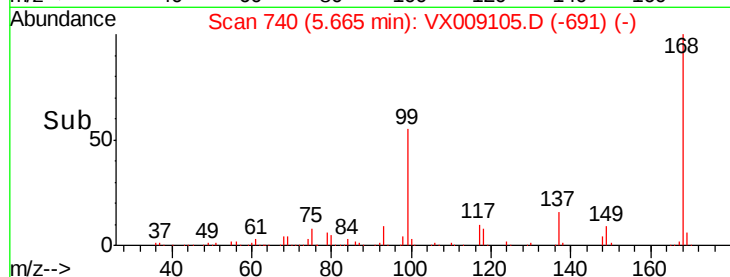
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.940 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009105.D

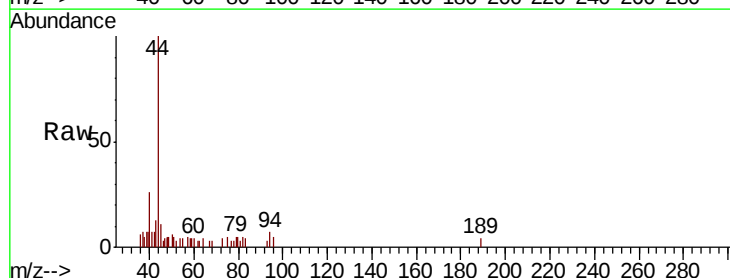
Acq: 22 Apr 2019 18:19

Tgt Ion: 94 Resp: 207

Ion Ratio Lower Upper

94 100

96 62.8 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

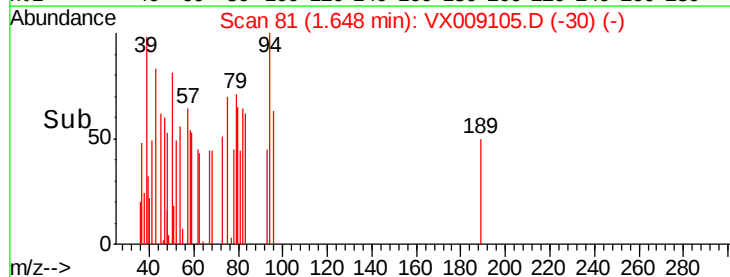
100

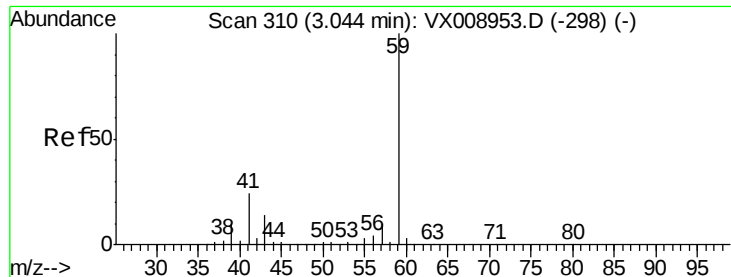
50

0

Time-->

1.62 1.64 1.66 1.68

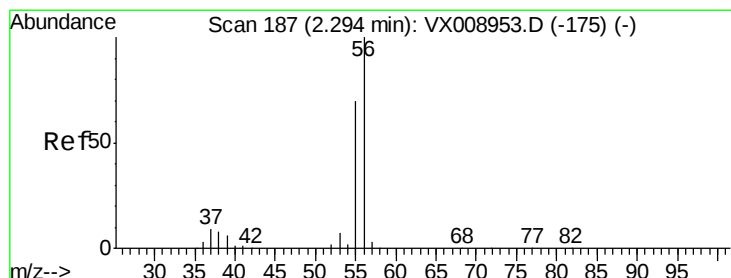
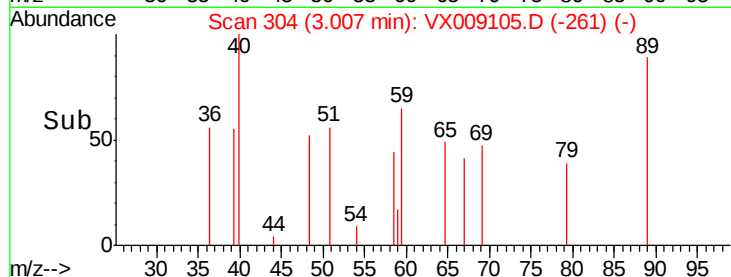
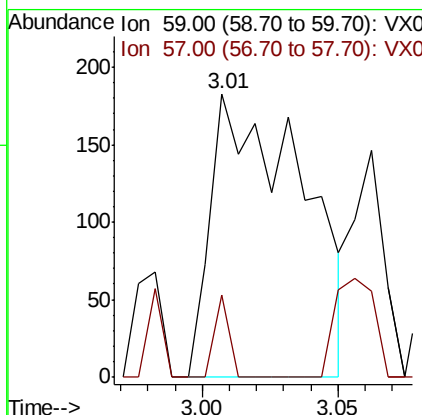
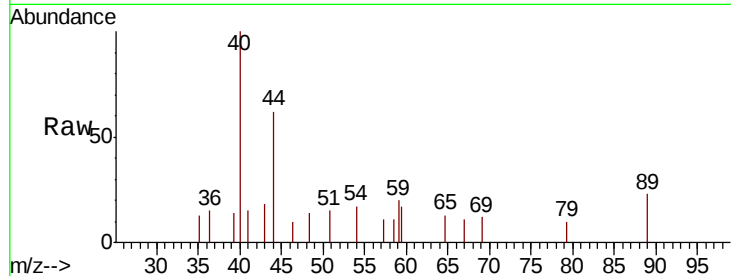




#11
Tert butyl alcohol
Concen: 0.560 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

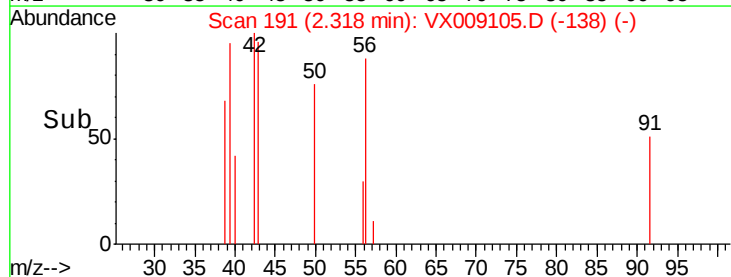
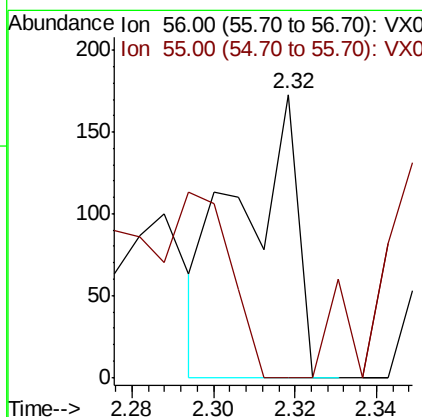
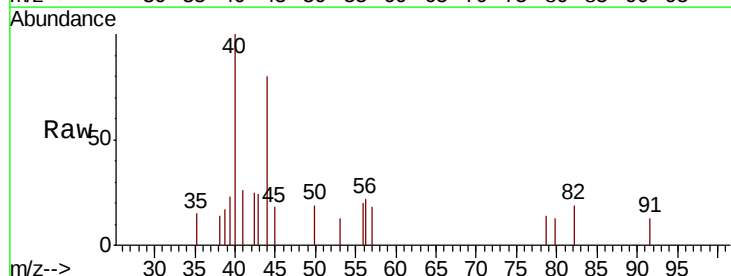
Instrument :
MSVOA_X
ClientSampled :
WELL-2

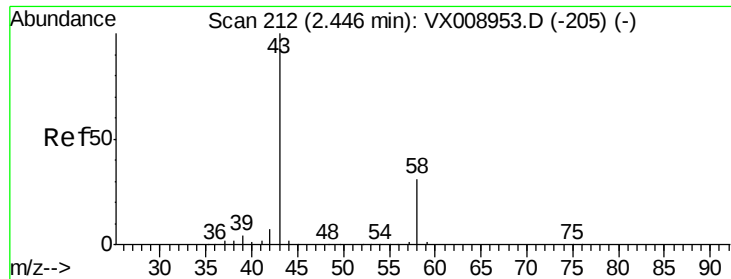
Tot Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 4.5 8.4 12.6#



#13
Acrolein
Concen: 0.264 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#16

Acetone

Concen: 14.792 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

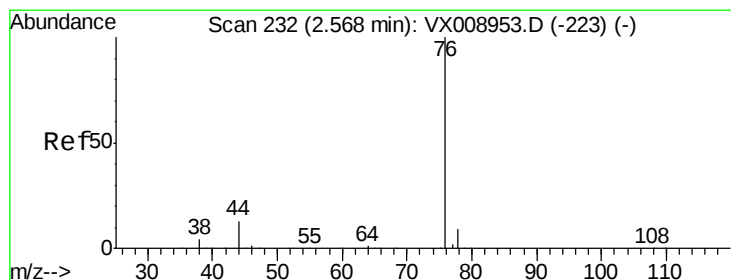
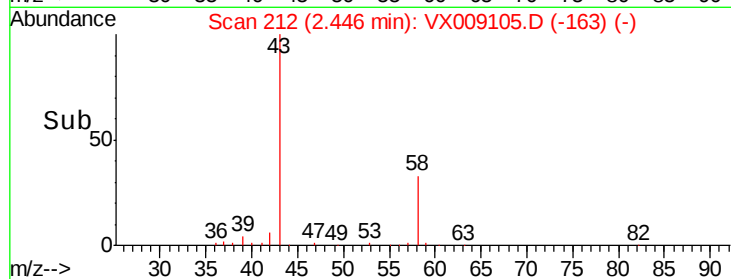
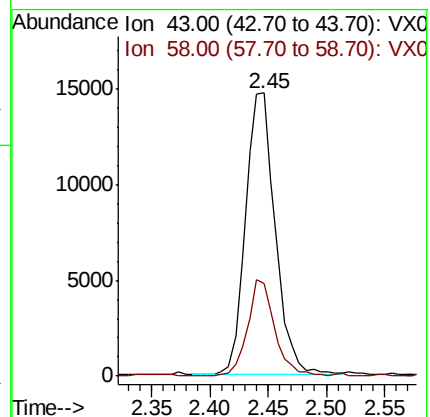
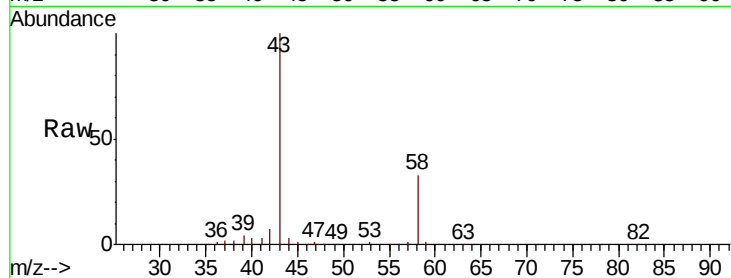
WELL-2

Tot Ion: 43 Resp: 26223

Ion Ratio Lower Upper

43 100

58 32.9 24.8 37.2



#17

Carbon Disulfide

Concen: 1.359 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009105.D

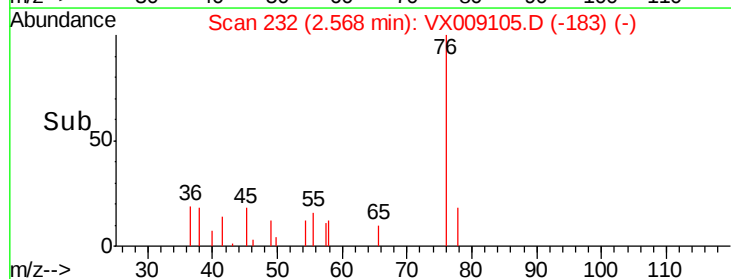
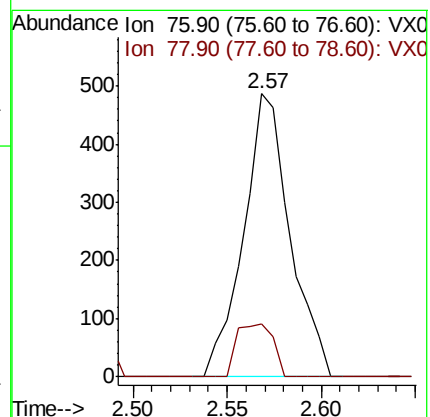
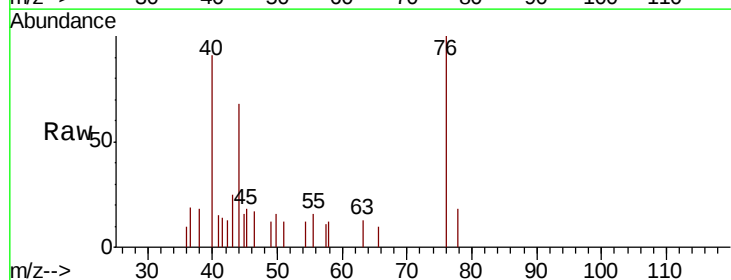
Acq: 22 Apr 2019 18:19

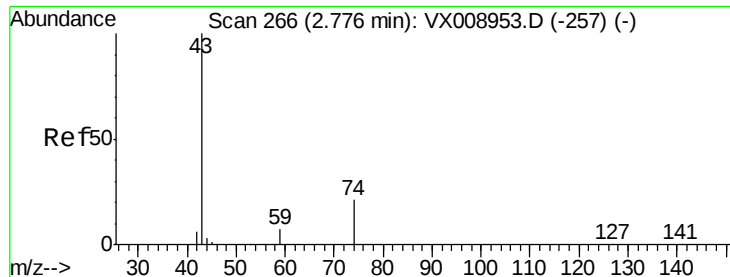
Tgt Ion: 76 Resp: 831

Ion Ratio Lower Upper

76 100

78 18.5 7.2 10.8#

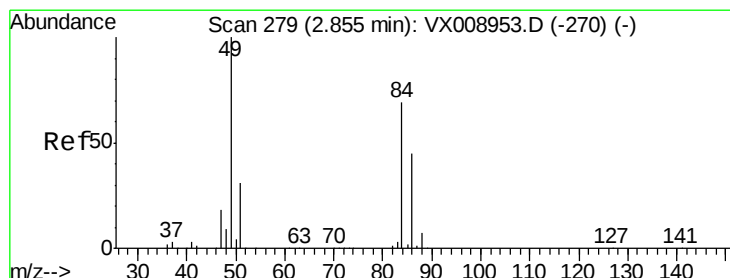
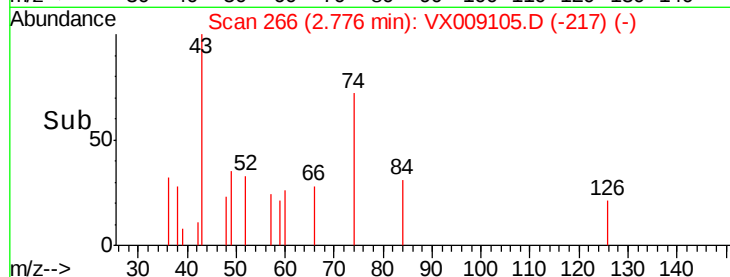
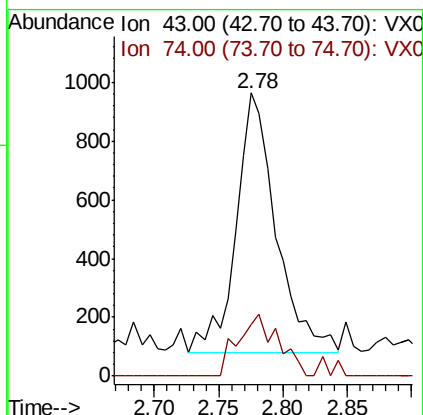
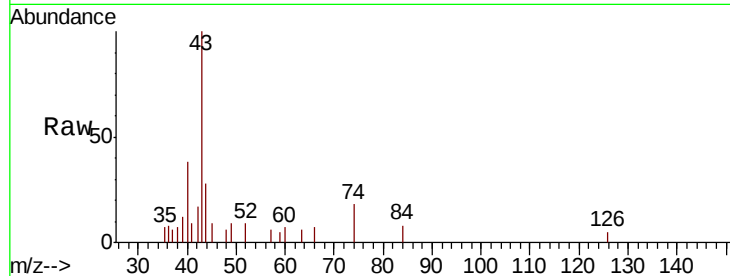




#18
Methvl Acetate
Concen: 0.431 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

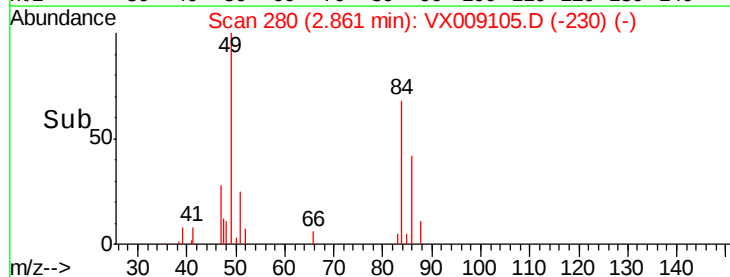
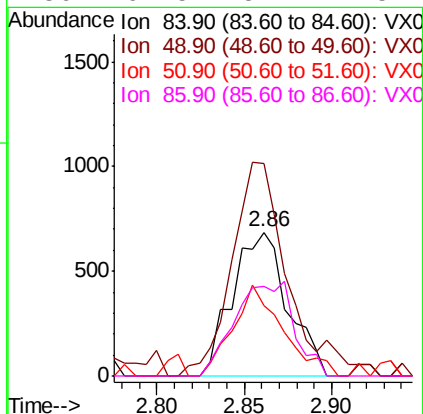
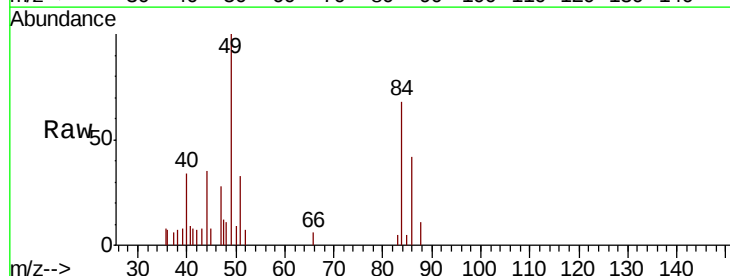
Instrument :
MSVOA_X
ClientSampled :
WELL-2

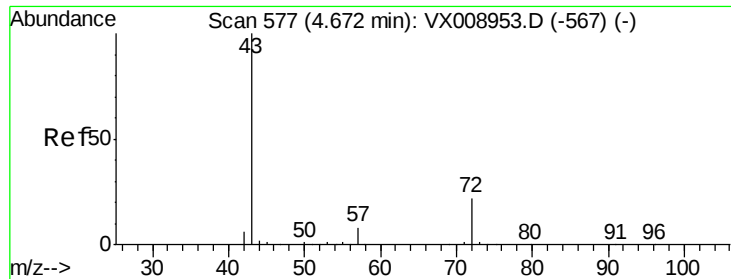
Tot Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
74 23.9 16.6 25.0



#20
Methylene Chloride
Concen: 0.500 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Tgt Ion: 84 Resp: 1517
Ion Ratio Lower Upper
84 100
49 140.3 115.4 173.0
51 49.1 35.8 53.6
86 62.5 52.1 78.1





#25

2-Butanone

Concen: 2.188 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

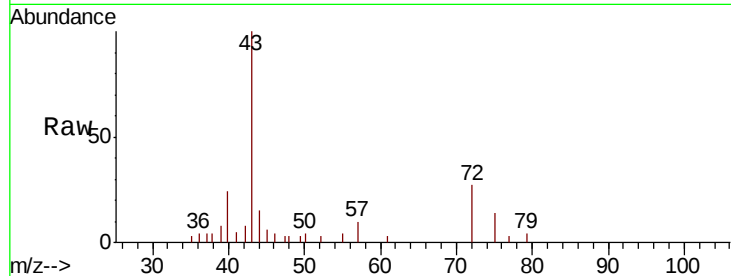
WELL-2

Tot Ion: 43 Resp: 6201

Ion Ratio Lower Upper

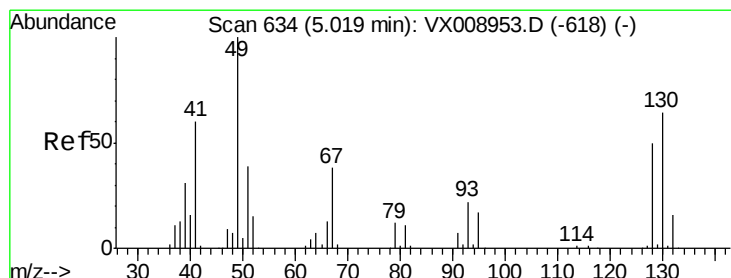
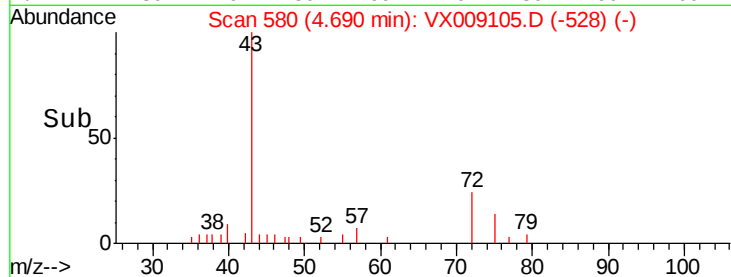
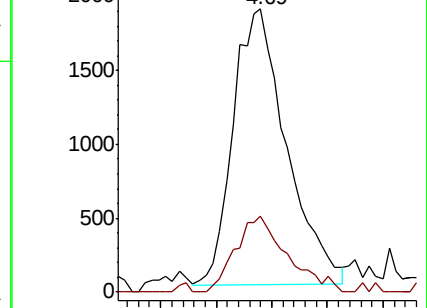
43 100

72 27.8 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: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

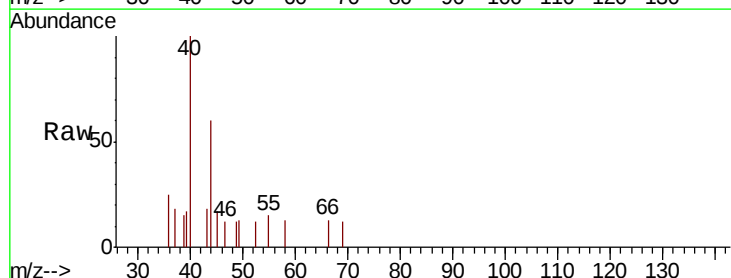
Tgt Ion: 49 Resp: 64

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

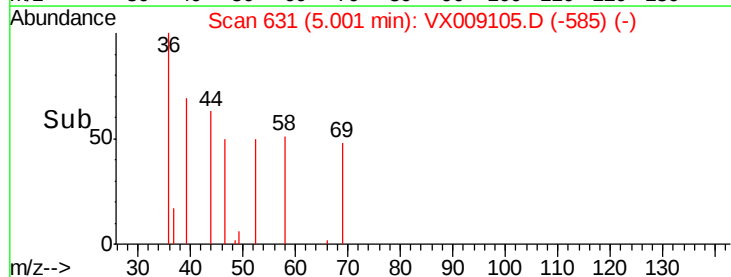
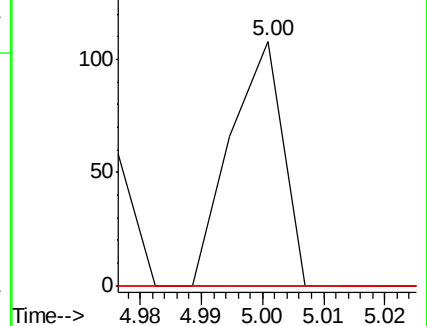
130 0.0 50.4 75.6#

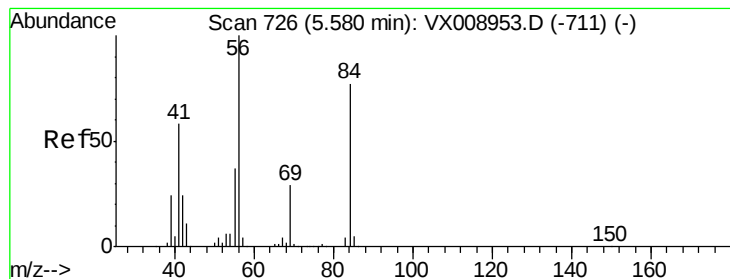


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 0.955 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WELL-2

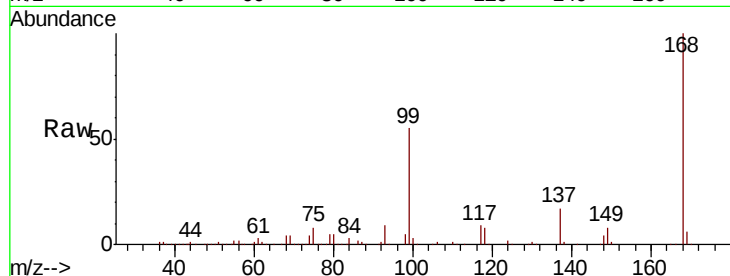
Tot Ion: 56 Resp: 5201

Ion Ratio Lower Upper

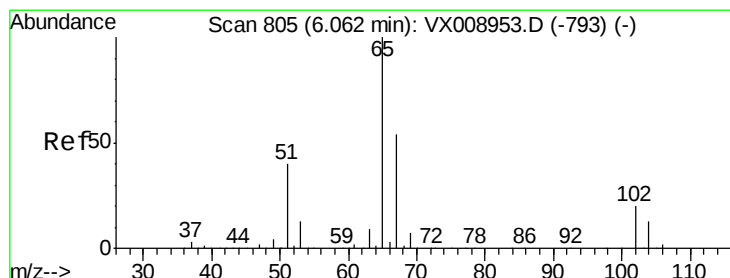
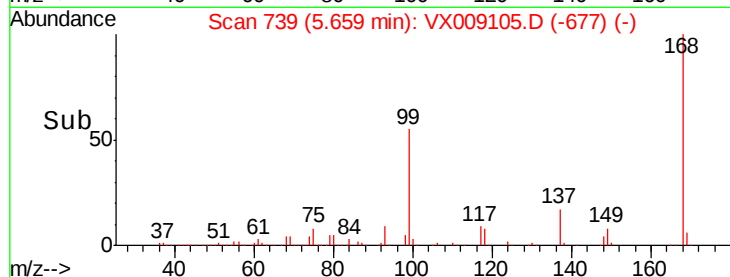
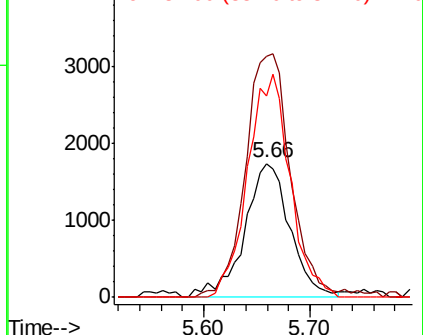
56 100

69 179.7 23.3 34.9#

84 150.3 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: 47.170 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009105.D

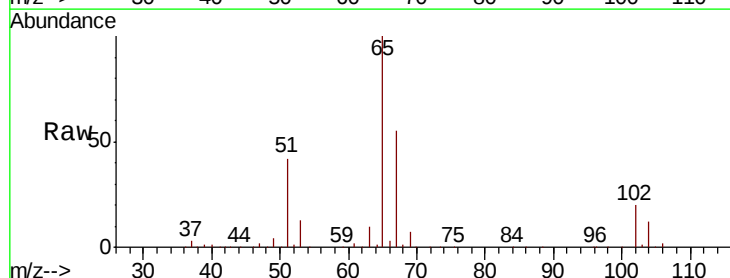
Acq: 22 Apr 2019 18:19

Tgt Ion: 65 Resp: 161250

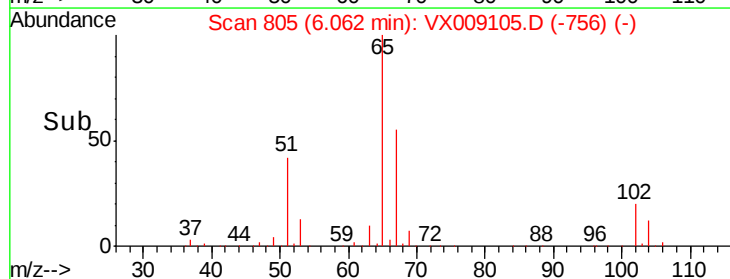
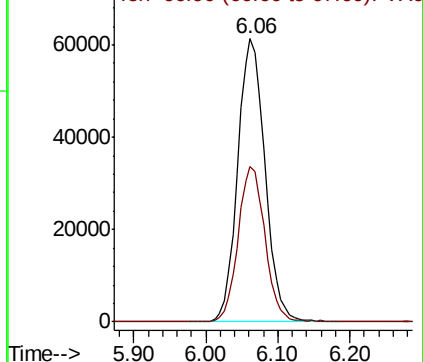
Ion Ratio Lower Upper

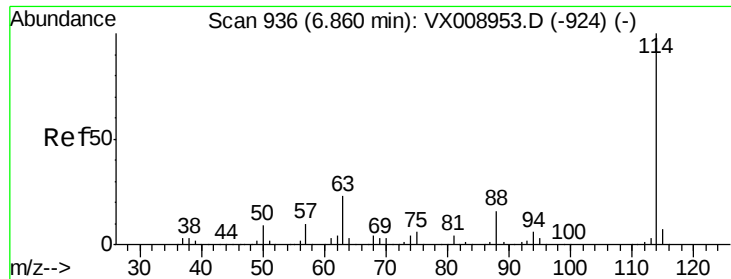
65 100

67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

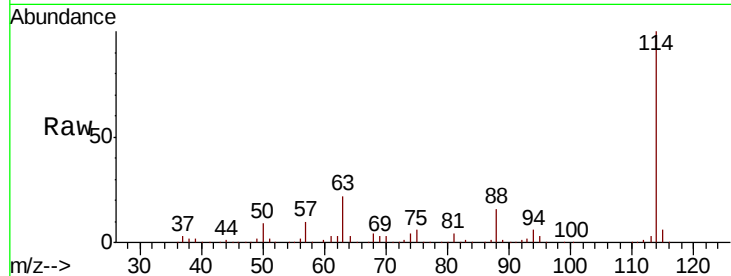




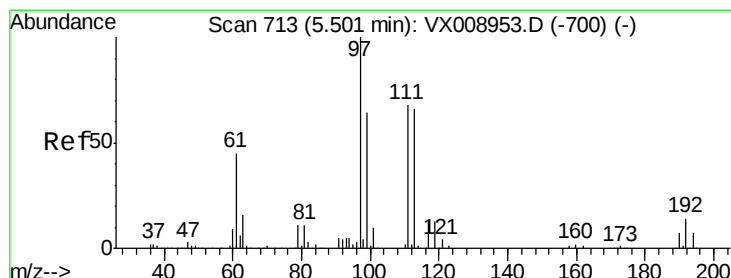
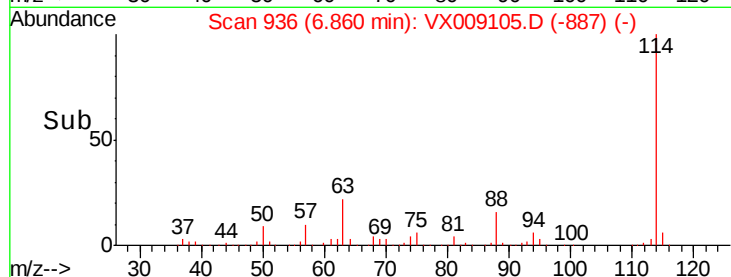
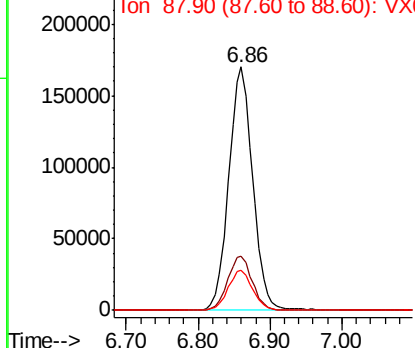
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
WELL-2

Tot Ion:114 Resp: 393606
Ion Ratio Lower Upper
114 100
63 22.2 0.0 46.0
88 16.4 0.0 32.6

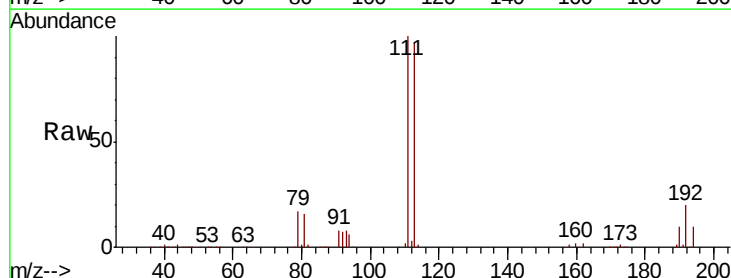


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

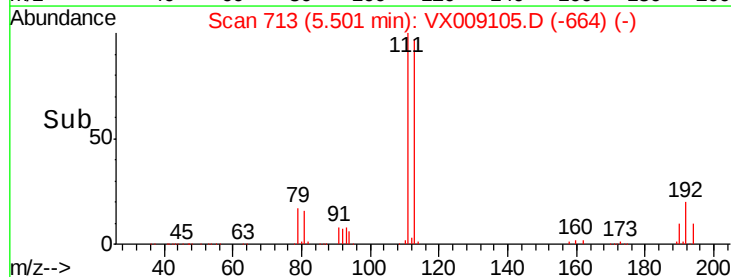
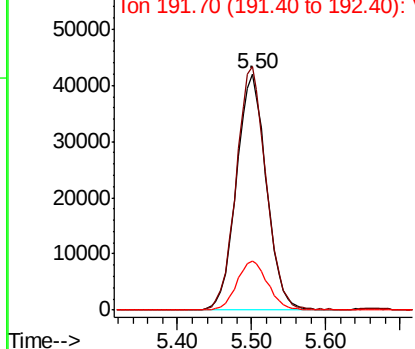


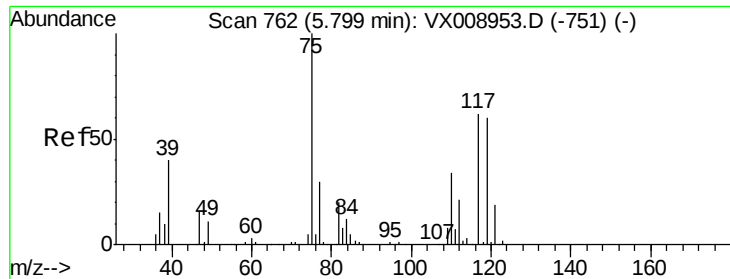
#35
Dibromofluoromethane
Concen: 46.990 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Tgt Ion:113 Resp: 118701
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 21.3 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

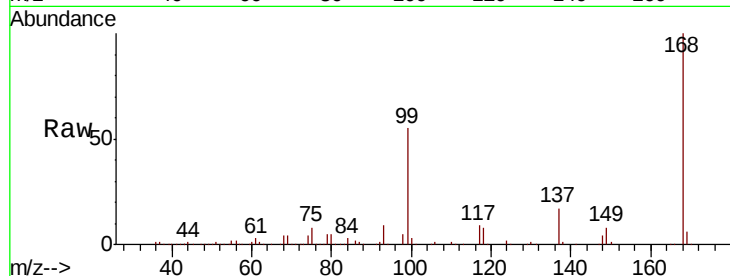




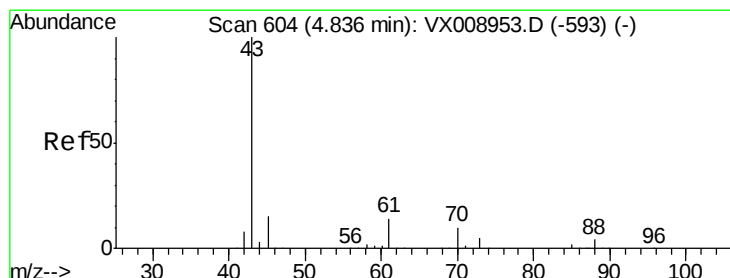
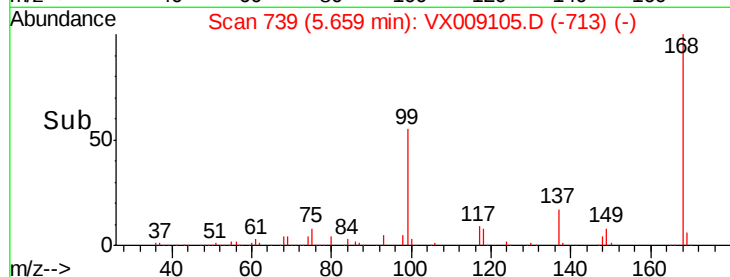
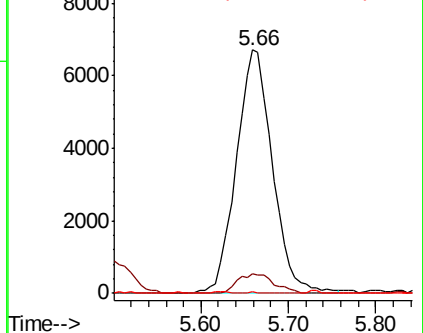
#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009105.D
 Acq: 22 Apr 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 WELL-2

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.9	50.7#
77	0.1	25.0	37.4#

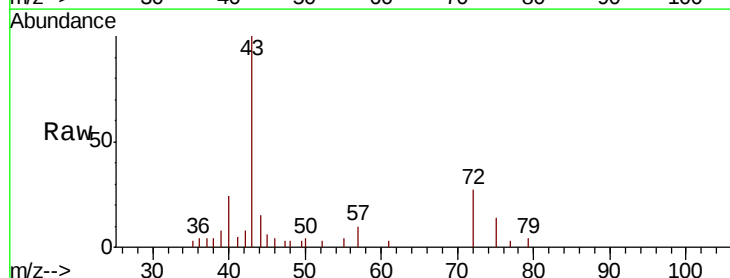


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

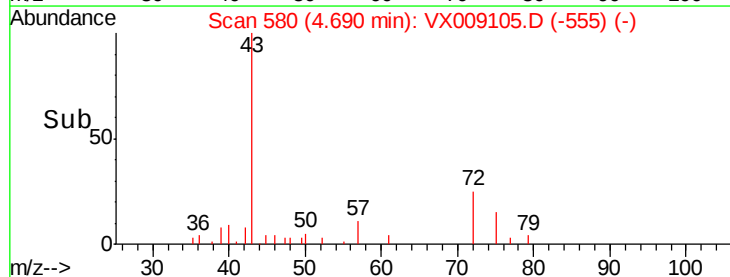
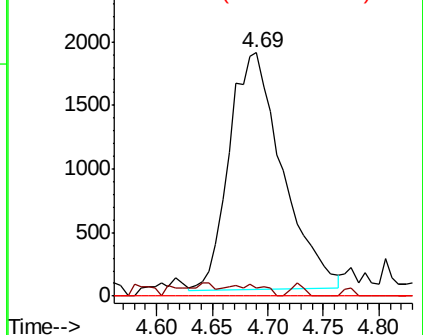


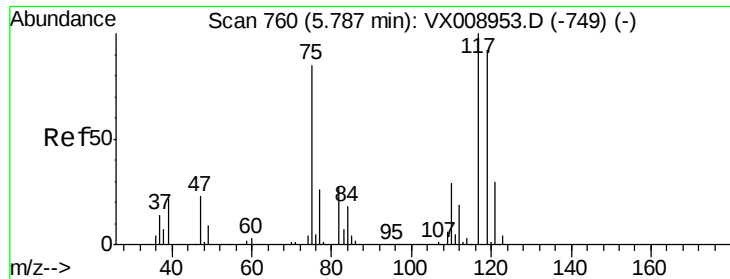
#37
 Ethyl Acetate
 Concen: 1.184 ug/l
 RT: 4.69 min Scan# 580
 Delta R.T. -0.15 min
 Lab File: VX009105.D
 Acq: 22 Apr 2019 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.3	10.6	15.8#
70	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.675 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

WELL-2

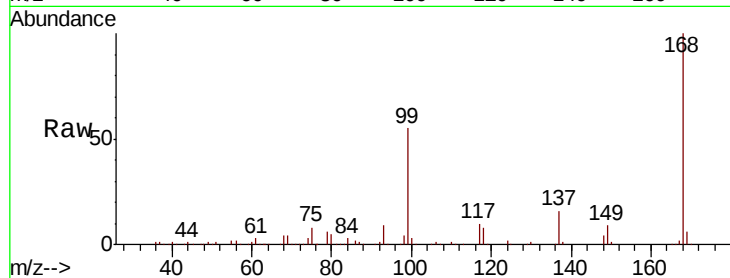
Tot Ion:117 Resp: 23037

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

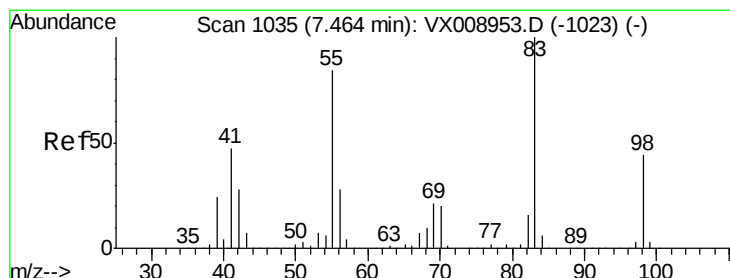
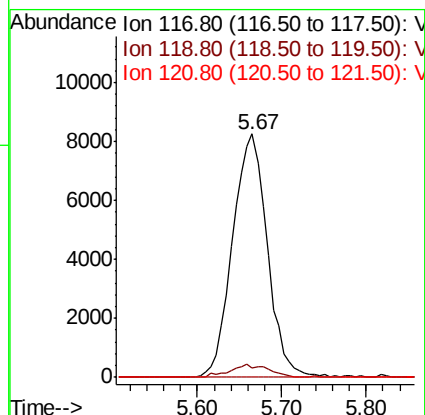
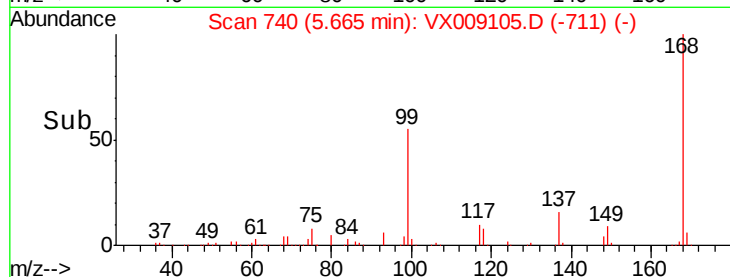
121 0.0 23.6 35.4#



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



#39

Methylcyclohexane

Concen: 0.384 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

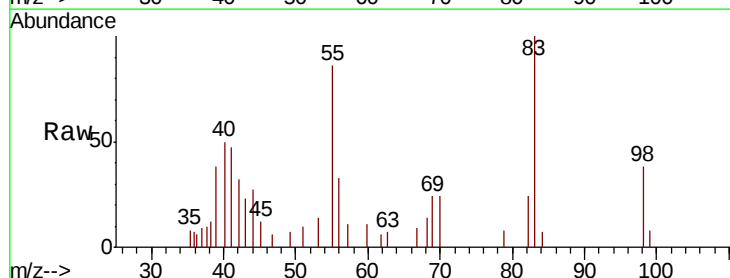
Tgt Ion: 83 Resp: 1905

Ion Ratio Lower Upper

83 100

55 85.7 67.1 100.7

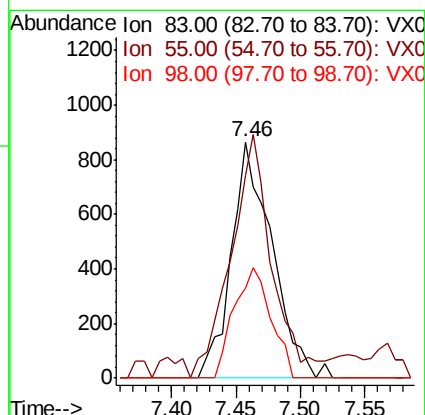
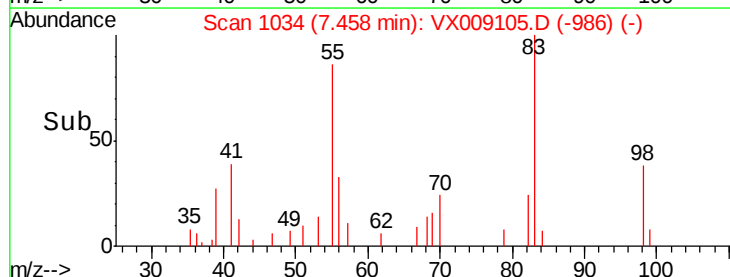
98 38.2 35.1 52.7

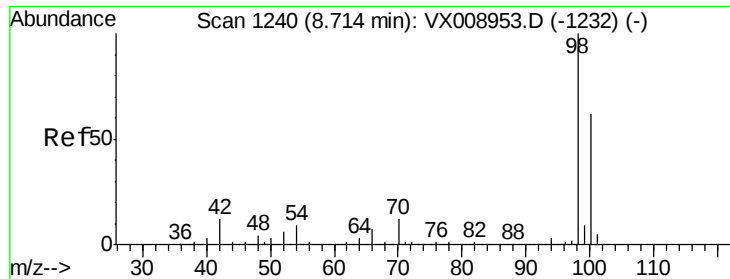


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 48.706 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

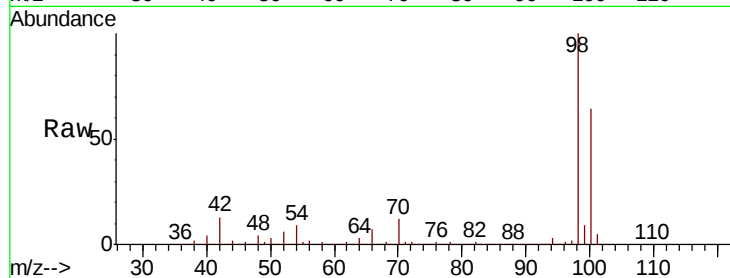
WELL-2

Tot Ion: 98 Resp: 490667

Ion Ratio Lower Upper

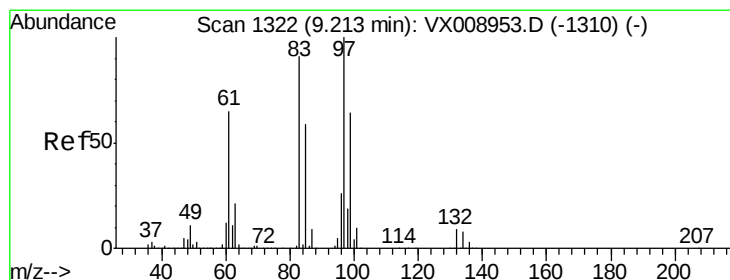
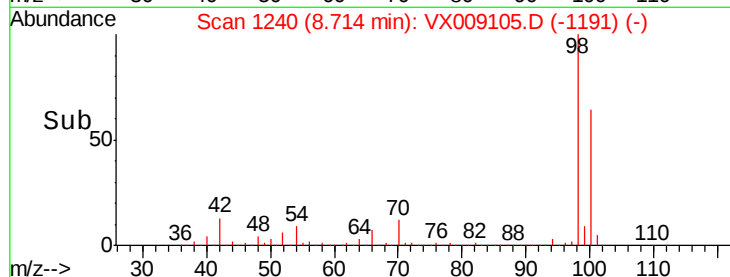
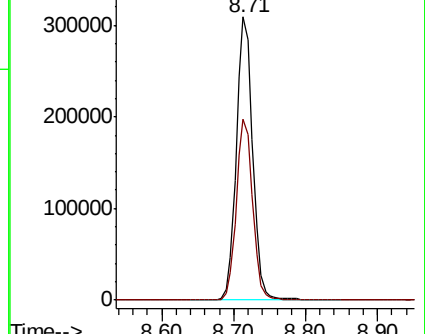
98 100

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): VX



#55

1,1,2-Trichloroethane

Concen: 0.968 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Tgt Ion: 97 Resp: 2760

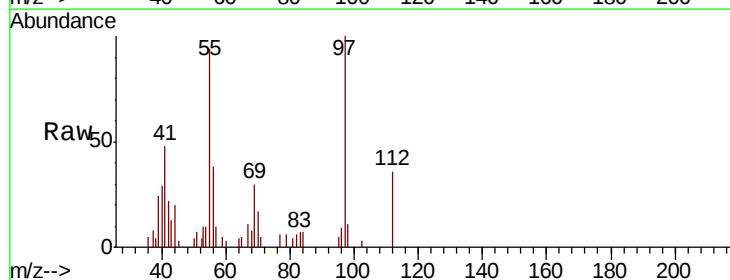
Ion Ratio Lower Upper

97 100

83 7.1 72.6 108.8#

85 0.0 46.9 70.3#

99 0.0 51.0 76.6#

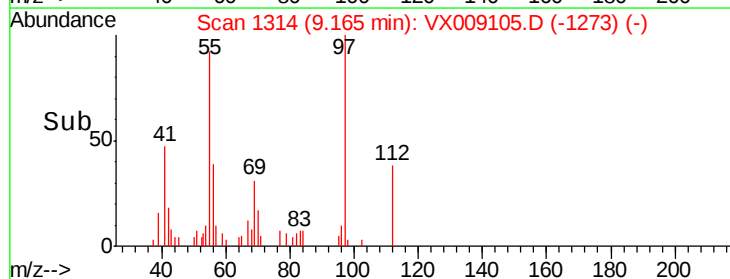
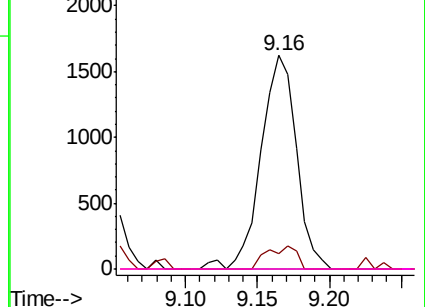


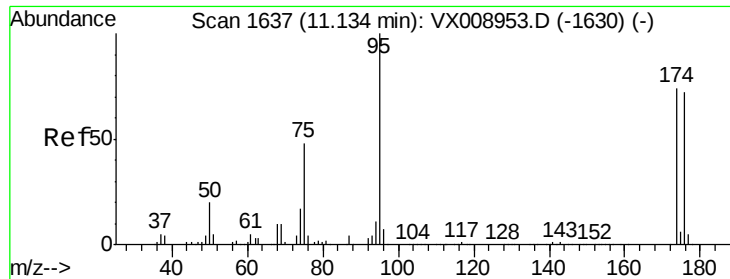
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#62

4-Bromofluorobenzene

Concen: 46.267 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

WELL-2

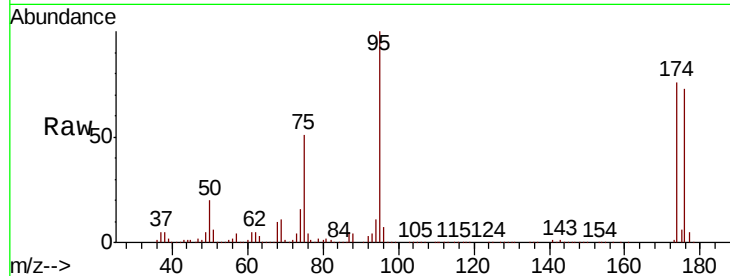
Tot Ion: 95 Resp: 164535

Ion Ratio Lower Upper

95 100

174 78.5 0.0 159.6

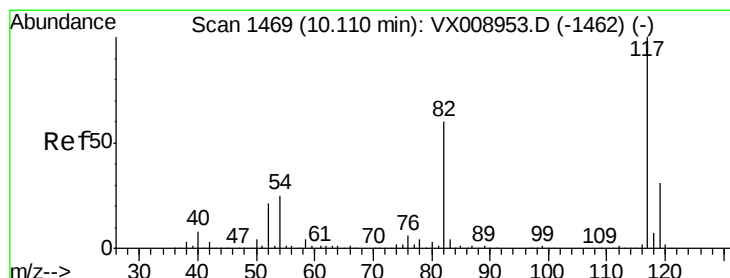
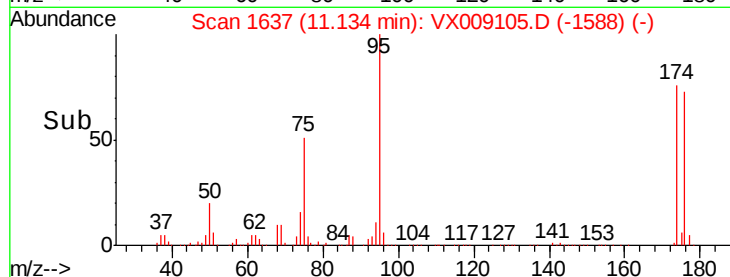
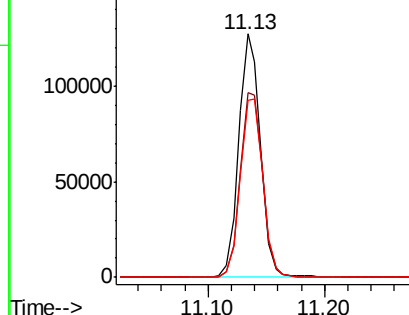
176 76.6 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

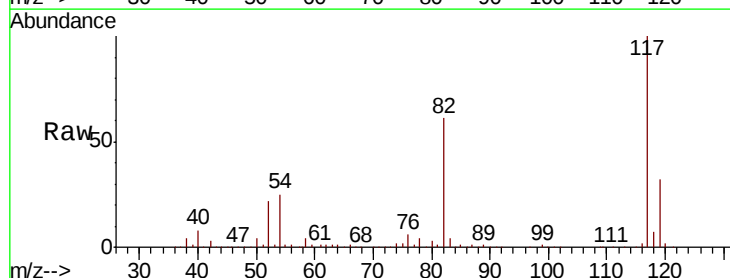
Tgt Ion: 117 Resp: 341175

Ion Ratio Lower Upper

117 100

82 60.9 48.2 72.4

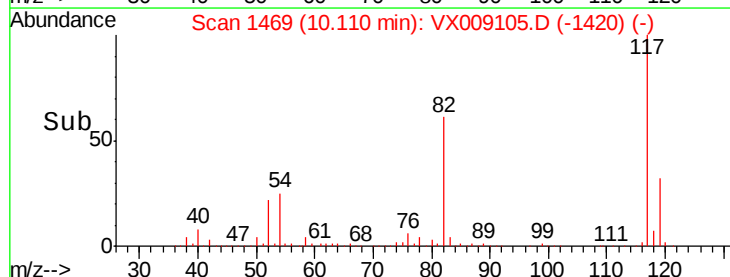
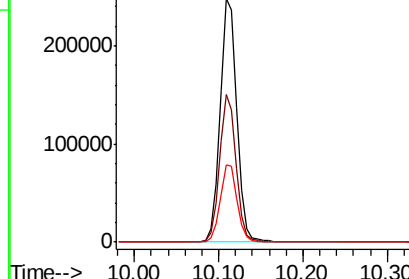
119 31.5 25.0 37.6

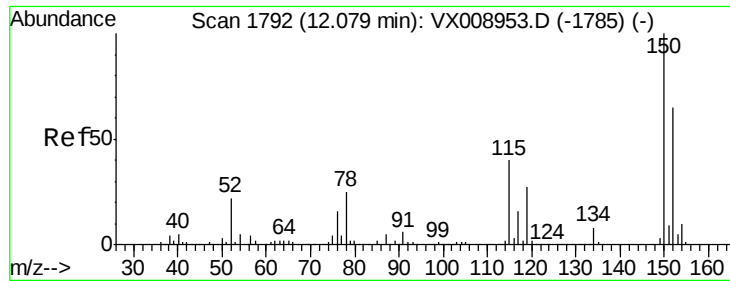


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)



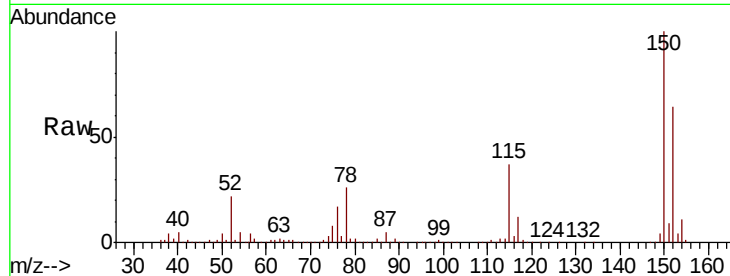


#72

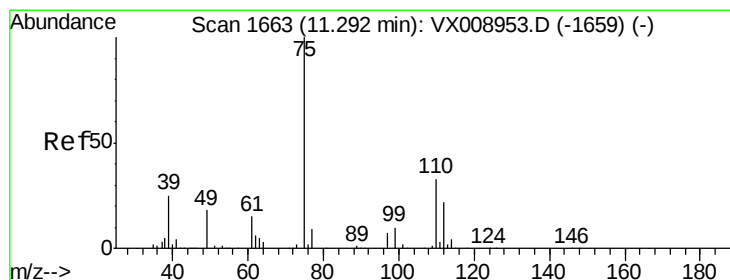
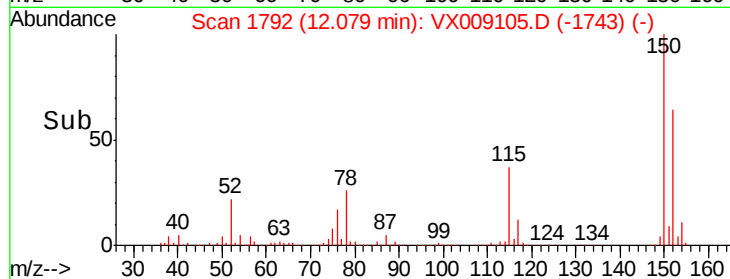
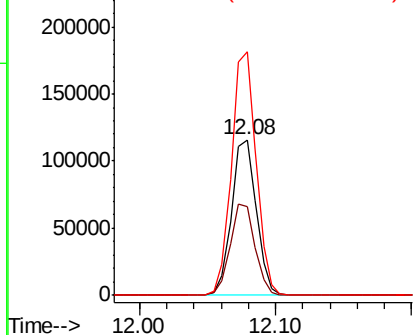
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
WELL-2

Tot Ion:152 Resp: 146824
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 156.3 0.0 349.8



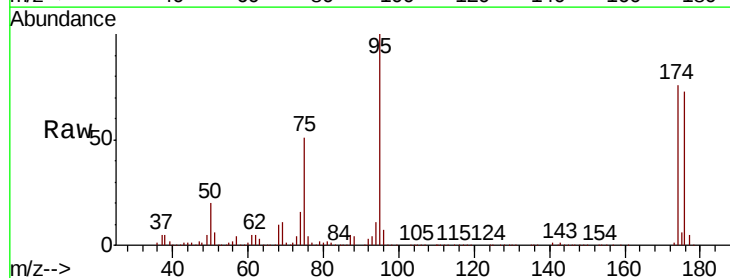
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



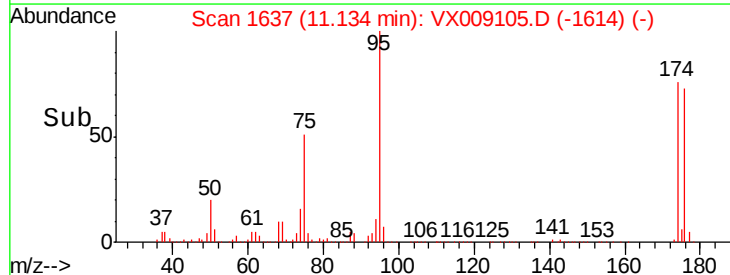
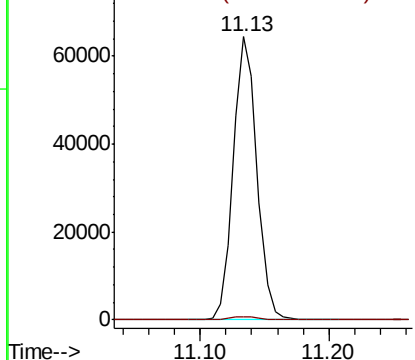
#76

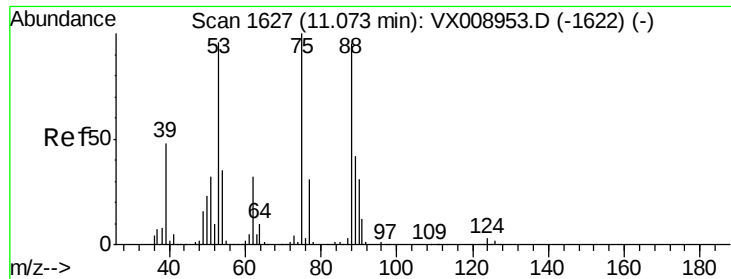
1,2,3-Trichloropropane
Concen: 23.080 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009105.D
Acq: 22 Apr 2019 18:19

Tgt Ion: 75 Resp: 82747
Ion Ratio Lower Upper
75 100
77 1.5 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: 59.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009105.D

Acq: 22 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WELL-2

Tot Ion: 75 Resp: 82747

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.4#

89 0.1 36.0 54.0#

