

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008176.D
 Acq On : 18 Mar 2019 19:49
 Operator : JC/SP
 Sample : K1934-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Mar 19 02:43:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45329	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	269048	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	231109	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	123782	32.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.43%
60) 4-Bromofluorobenzene	11.13	95	112666	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	8.71	98	338127	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

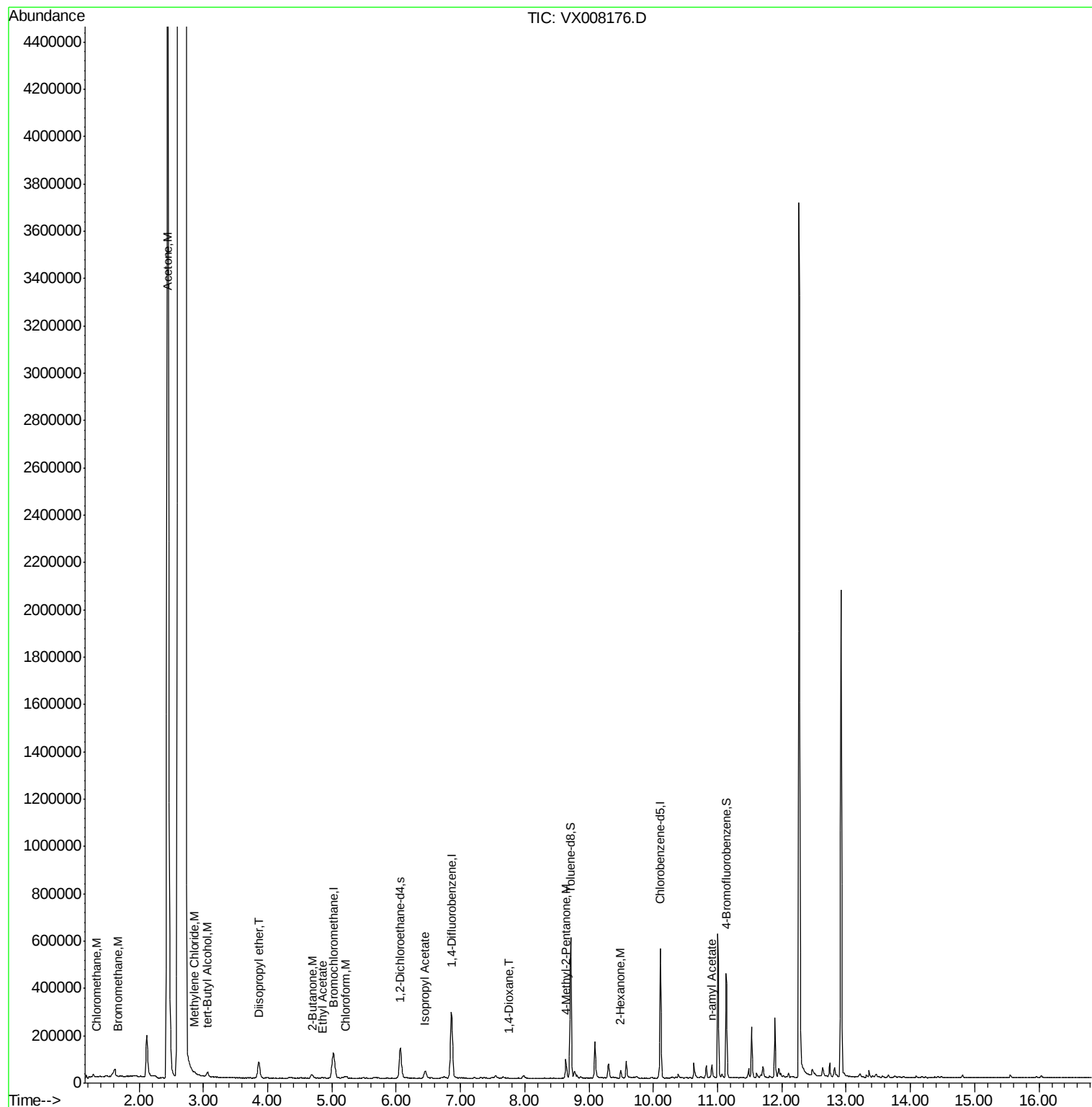
					Ovalue	
3) Chloromethane	1.34	50	610	0.238	ug/l	99
5) Bromomethane	1.66	94	370	0.215	ug/l	82
15) Acetone	2.45	58	2358418	4744.988	ug/l	99
18) Methylene Chloride	2.87	84	1313	0.529	ug/l #	74
20) Diisopropyl ether	3.86	45	75529	8.284	ug/l #	84
23) tert-Butyl Alcohol	3.06	59	20564	36.082	ug/l #	100
25) Chloroform	5.21	83	9603	2.188	ug/l	89
30) 2-Butanone	4.68	43	26479	10.549	ug/l #	95
43) Ethyl Acetate	4.84	43	2436	0.547	ug/l #	64
44) Isopropyl Acetate	6.45	43	41928	6.074	ug/l	95
45) 1,4-Dioxane	7.75	88	99	1.535	ug/l #	45
47) n-amyl Acetate	10.91	43	6853	1.162	ug/l #	1
58) 4-Methyl-2-Pentanone	8.64	43	51301	11.607	ug/l	94
59) 2-Hexanone	9.49	43	20088	5.760	ug/l	96

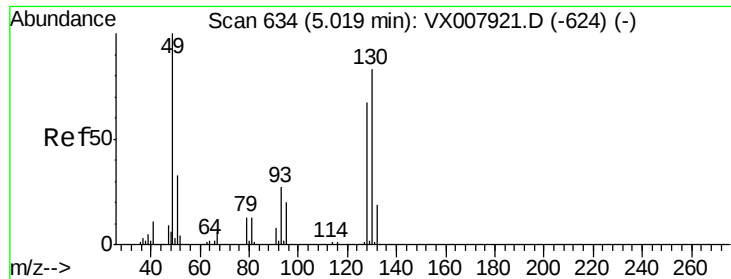
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031819\
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EFF-WW

Quant Time: Mar 19 02:43:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008176.D

Acq: 18 Mar 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

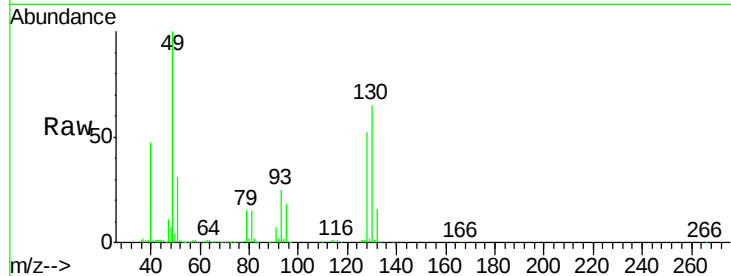
Tot Ion:128 Resp: 45329

Ion Ratio Lower Upper

128 100

49 194.5 0.0 350.8

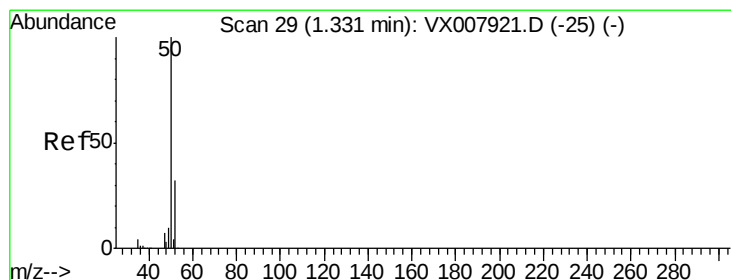
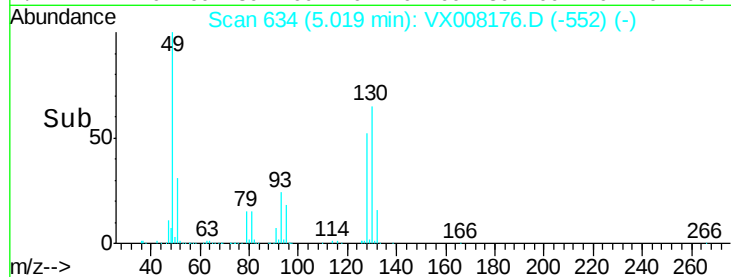
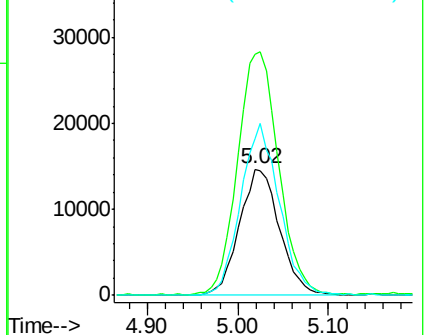
130 129.9 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX008176.D

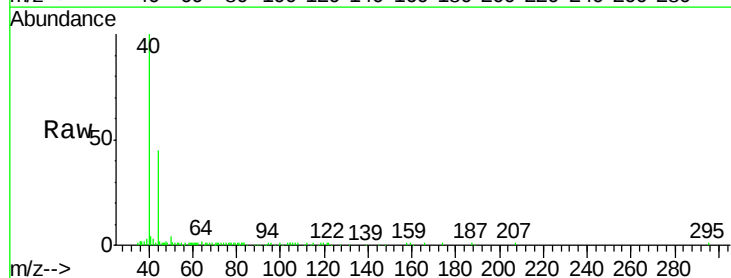
Acq: 18 Mar 2019 19:49

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

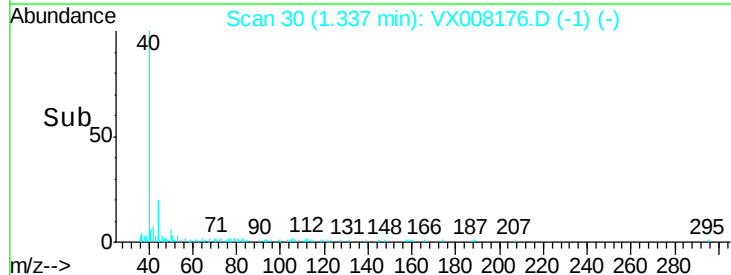
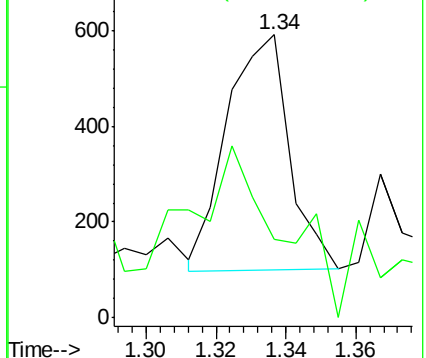
50 100

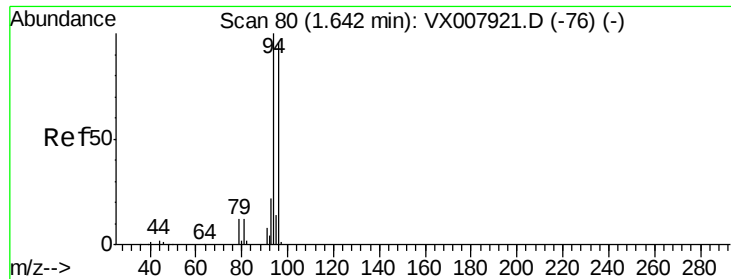
52 33.6 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008176.D

Acq: 18 Mar 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

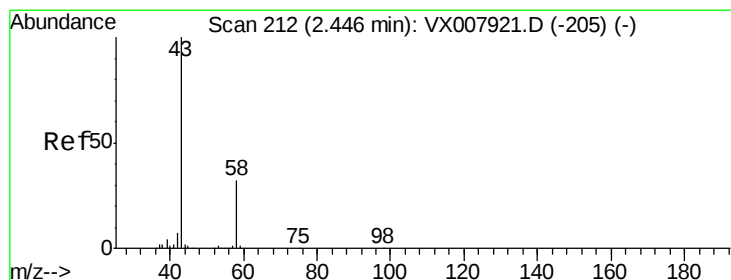
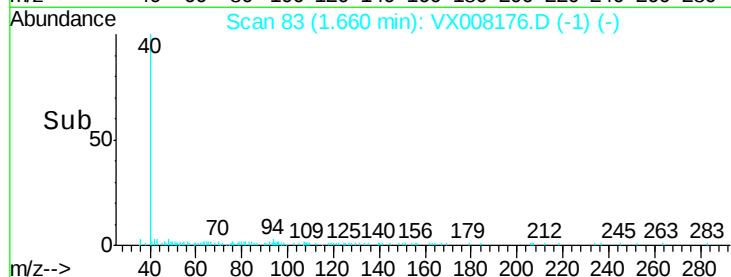
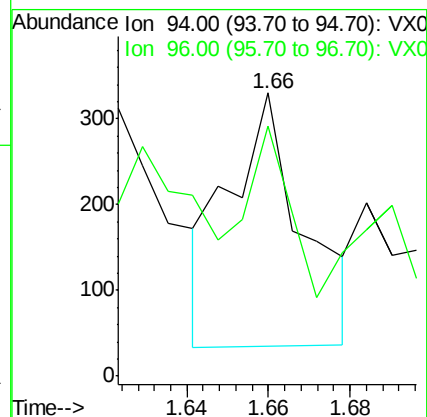
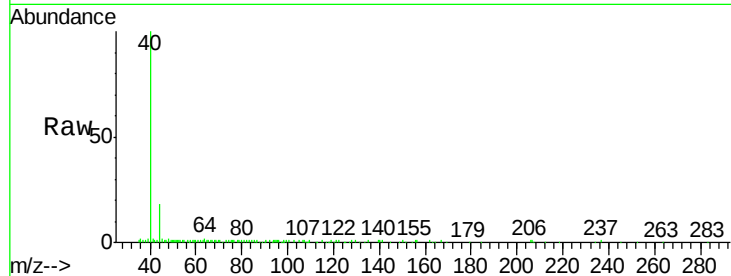
EFF-WW

Tot Ion: 94 Resp: 370

Ion Ratio Lower Upper

94 100

96 77.4 75.6 113.4



#15

Acetone

Concen: 4744.988 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008176.D

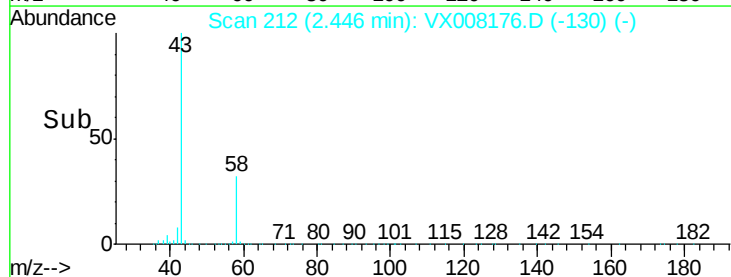
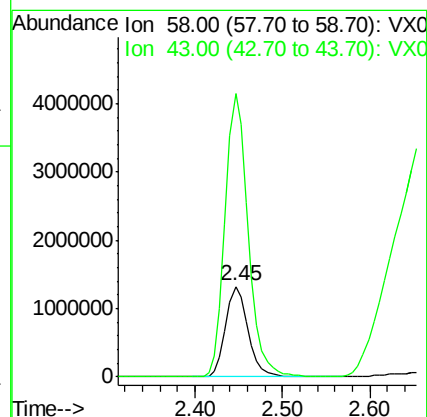
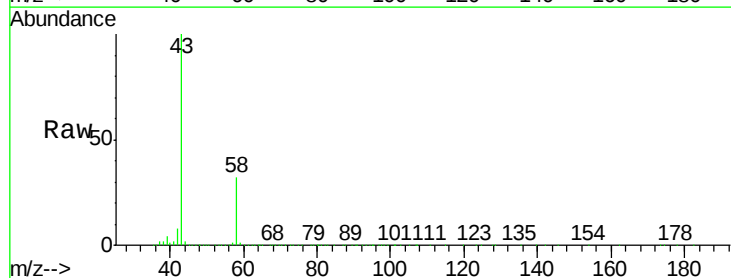
Acq: 18 Mar 2019 19:49

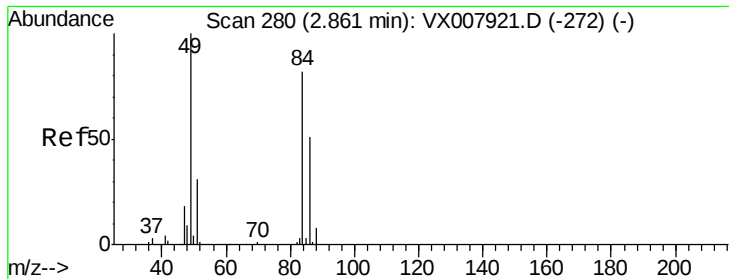
Tgt Ion: 58 Resp: 2358418

Ion Ratio Lower Upper

58 100

43 313.8 249.8 374.6

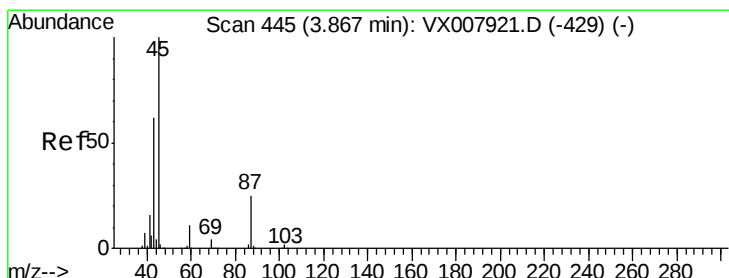
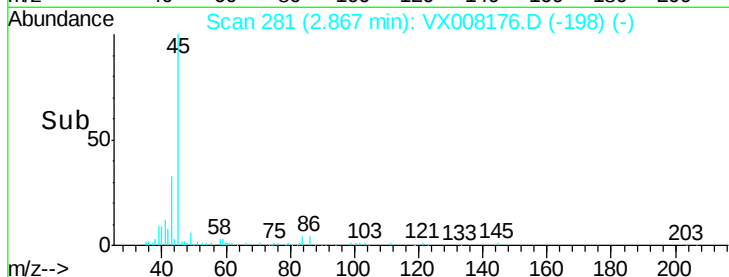
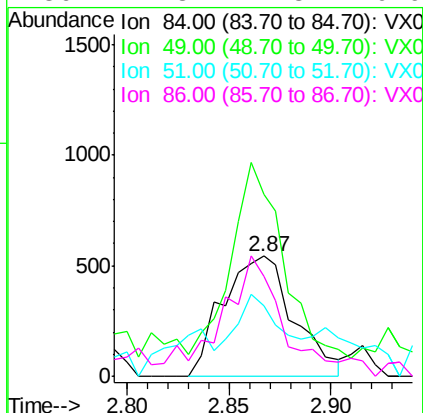
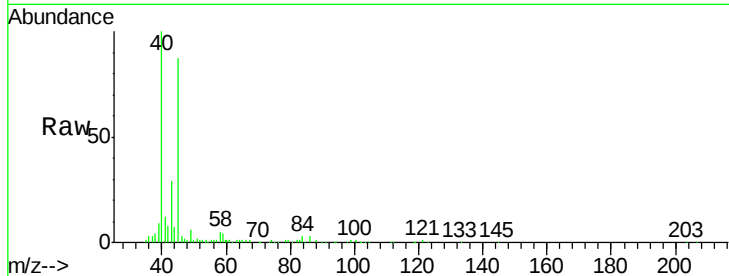




#18
Methvlene Chloride
Concen: 0.529 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

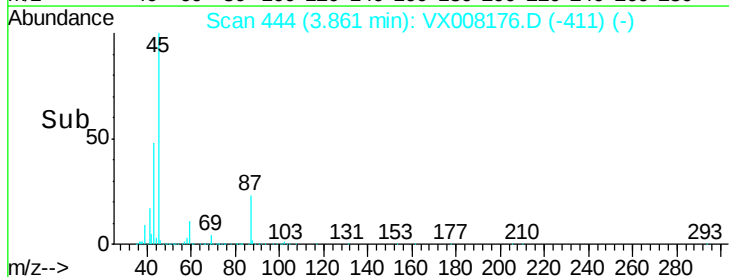
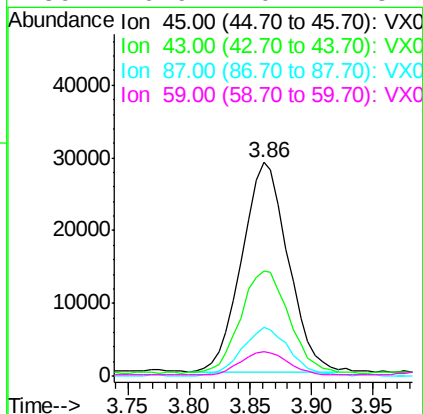
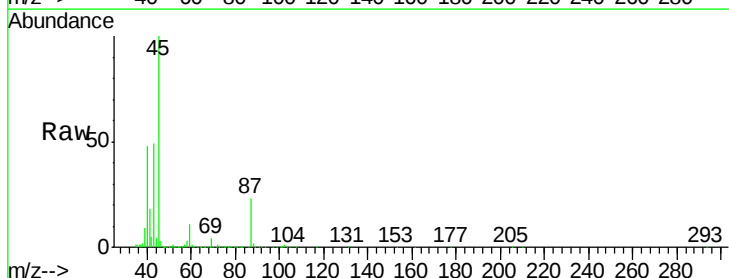
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

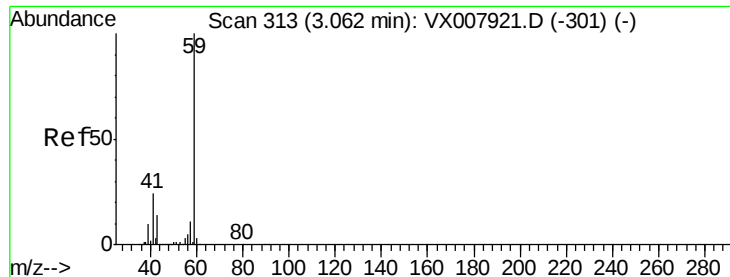
Tot Ion: 84 Resp: 1313
Ion Ratio Lower Upper
84 100
49 157.0 96.1 144.1#
51 27.0 29.1 43.7#
86 71.3 47.3 70.9#



#20
Diisopropyl ether
Concen: 8.284 ug/l
RT: 3.86 min Scan# 444
Delta R.T. -0.00 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Tgt Ion: 45 Resp: 75529
Ion Ratio Lower Upper
45 100
43 48.3 50.6 76.0#
87 23.0 24.5 36.7#
59 10.9 10.2 15.2



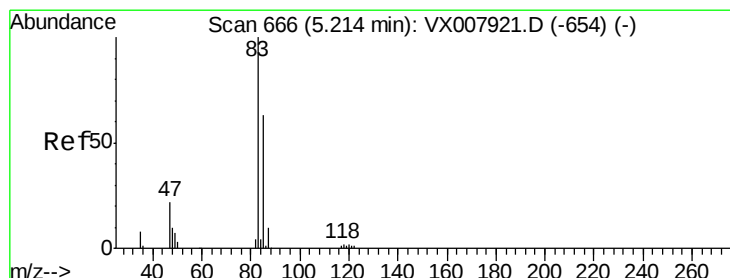
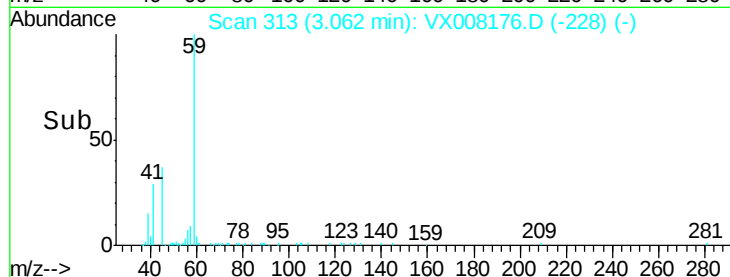
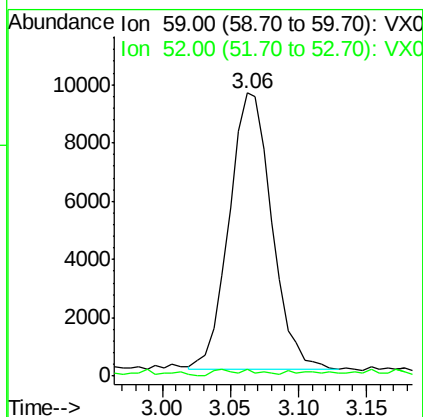
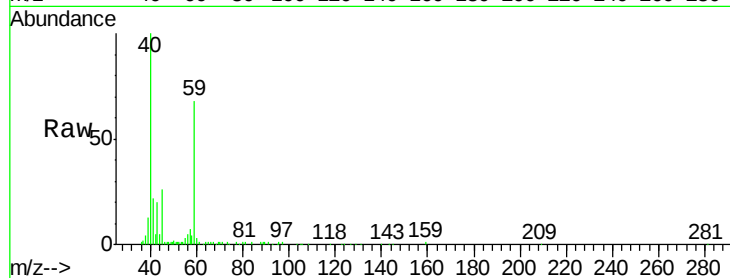


#23

tert-Butyl Alcohol
 Concen: 36.082 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.02 min
 Lab File: VX008176.D
 Acq: 18 Mar 2019 19:49

Instrument :
 MSVOA_X
 ClientSampled :
 EFF-WW

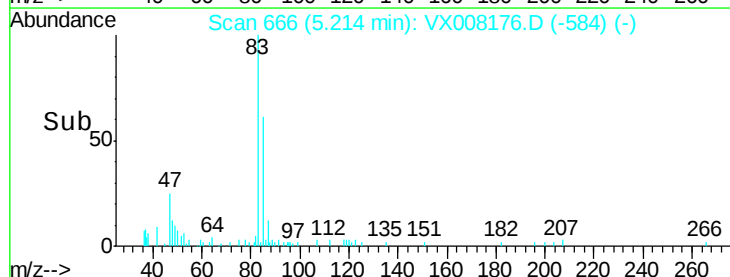
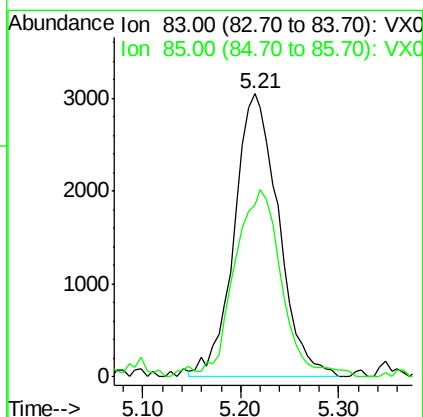
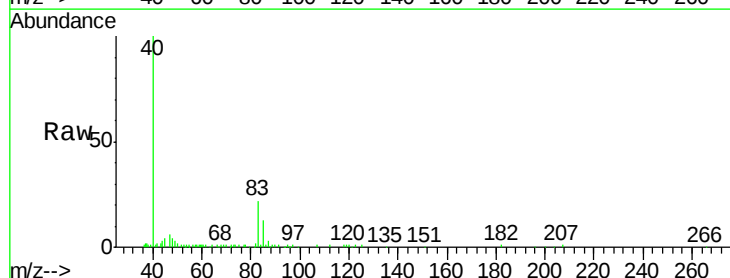
Tot Ion: 59 Resp: 20564
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

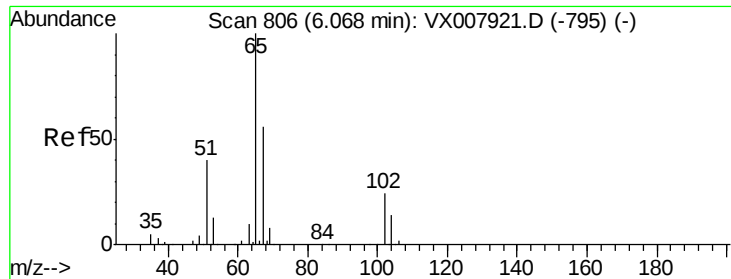


#25

Chloroform
 Concen: 2.188 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX008176.D
 Acq: 18 Mar 2019 19:49

Tgt Ion: 83 Resp: 9603
 Ion Ratio Lower Upper
 83 100
 85 58.1 53.8 80.6





#27

1,2-Dichloroethane-d4

Concen: 32.828 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008176.D

Acq: 18 Mar 2019 19:49

Instrument :

MSVOA_X

ClientSampled :

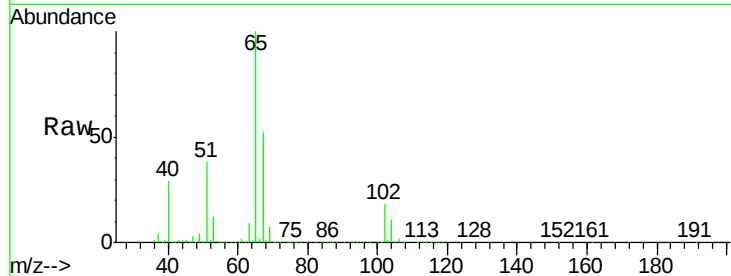
EFF-WW

Tot Ion: 65 Resp: 123782

Ion Ratio Lower Upper

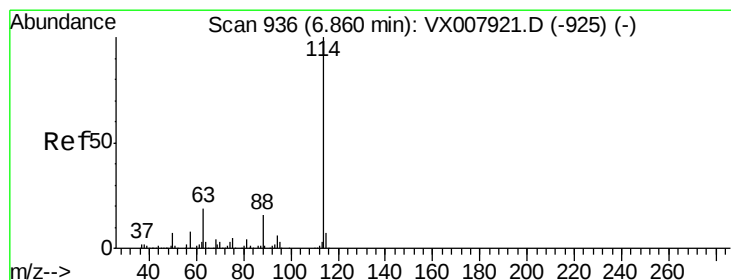
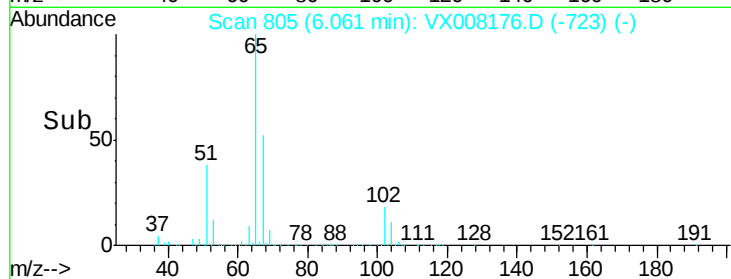
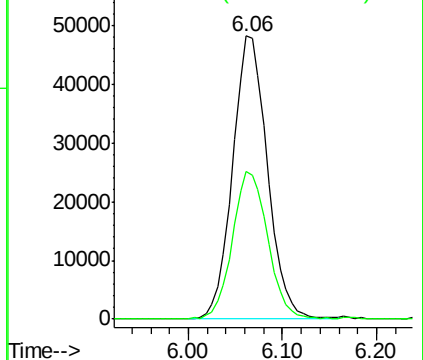
65 100

67 52.4 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008176.D

Acq: 18 Mar 2019 19:49

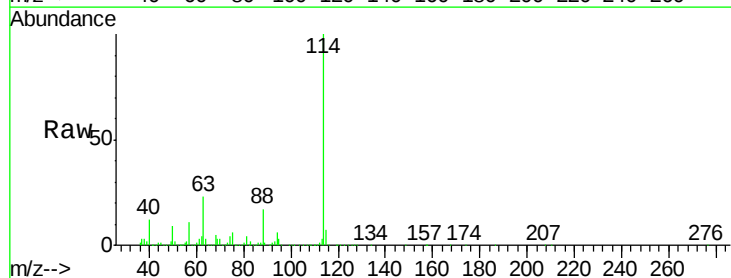
Tgt Ion: 114 Resp: 269048

Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

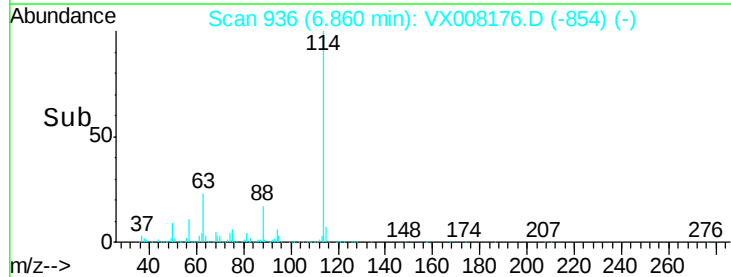
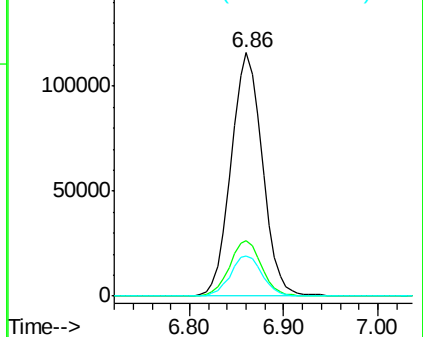
88 16.8 11.9 17.9

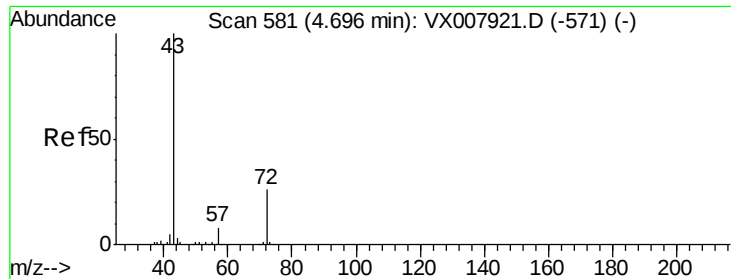


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

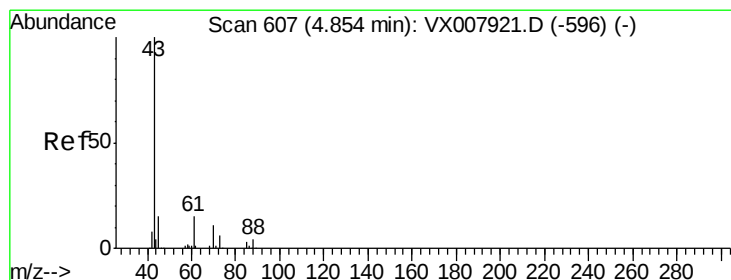
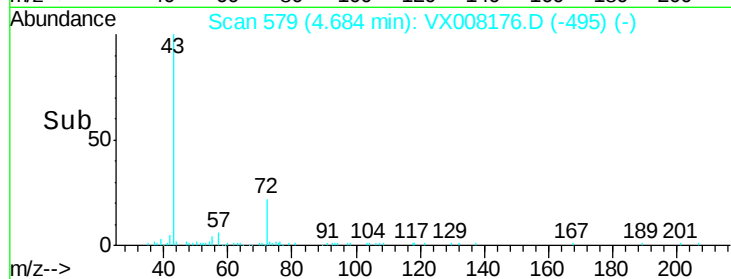
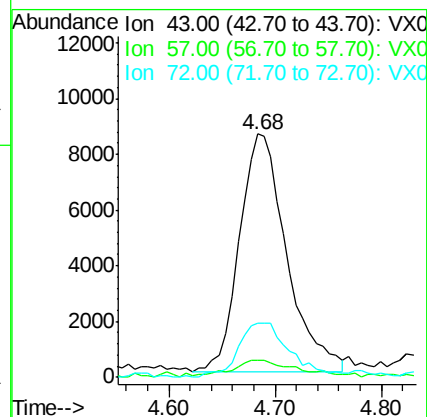
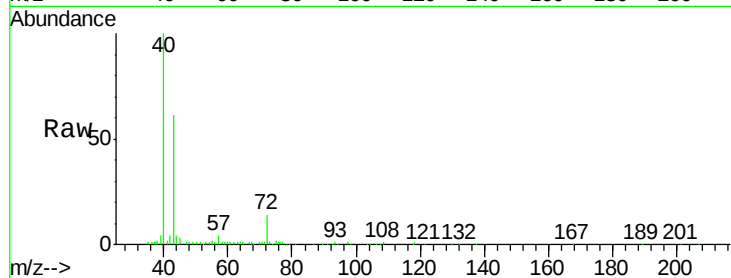




#30
2-Butanone
Concen: 10.549 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

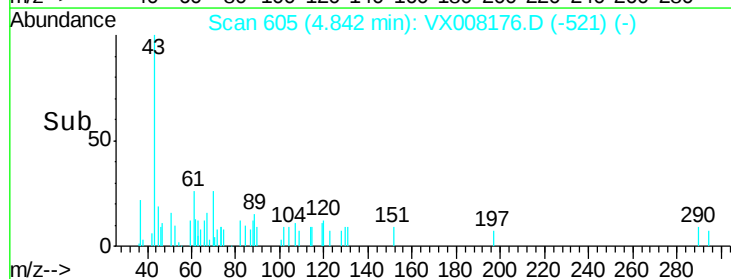
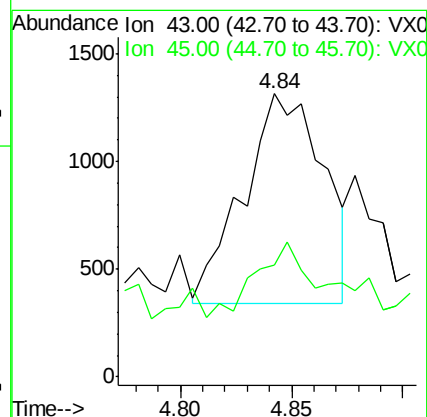
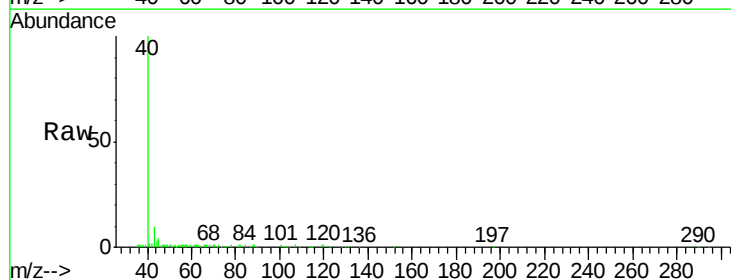
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

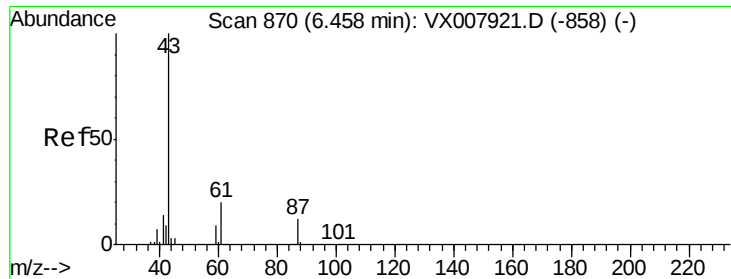
Tot Ion: 43 Resp: 26479
Ion Ratio Lower Upper
43 100
57 6.7 7.0 10.6#
72 24.5 21.5 32.3



#43
Ethyl Acetate
Concen: 0.547 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
45 21.6 6.9 10.3#



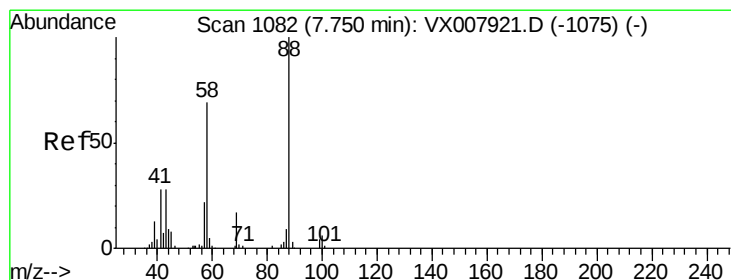
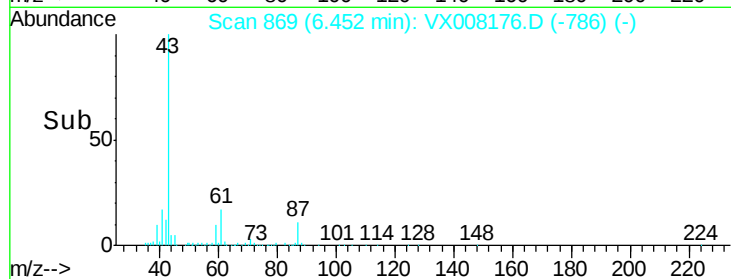
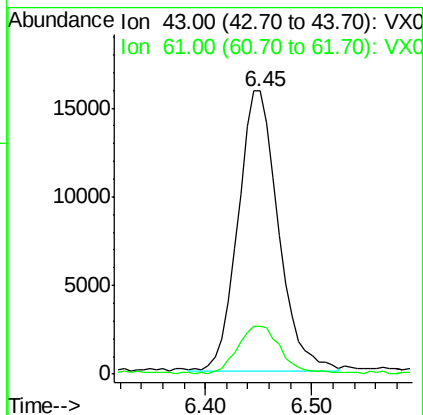
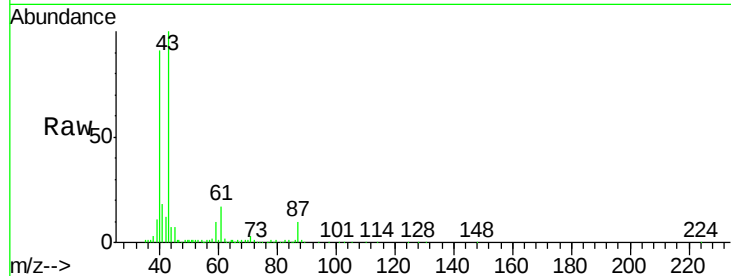


#44

Isopropyl Acetate
 Concen: 6.074 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX008176.D
 Acq: 18 Mar 2019 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

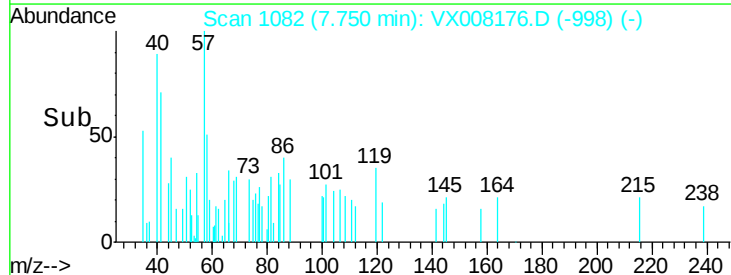
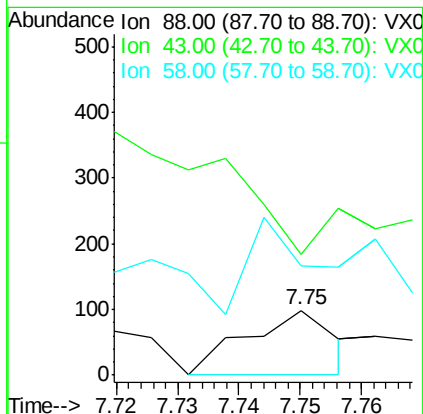
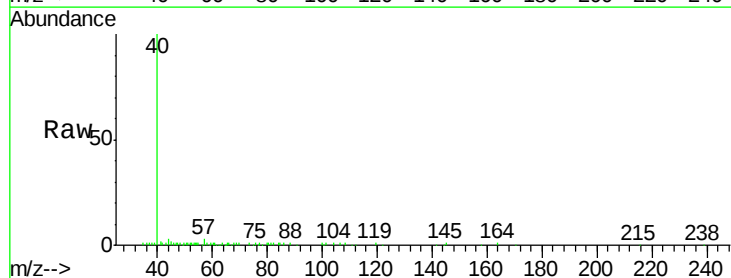
Tot Ion: 43 Resp: 41928
 Ion Ratio Lower Upper
 43 100
 61 18.0 16.1 24.1

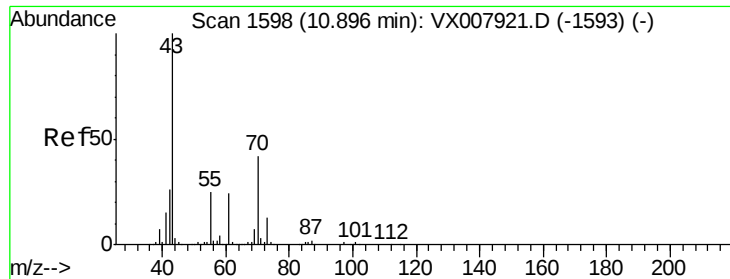


#45

1,4-Dioxane
 Concen: 1.535 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX008176.D
 Acq: 18 Mar 2019 19:49

Tgt Ion: 88 Resp: 99
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.6 35.4#
 58 108.1 51.6 77.4#

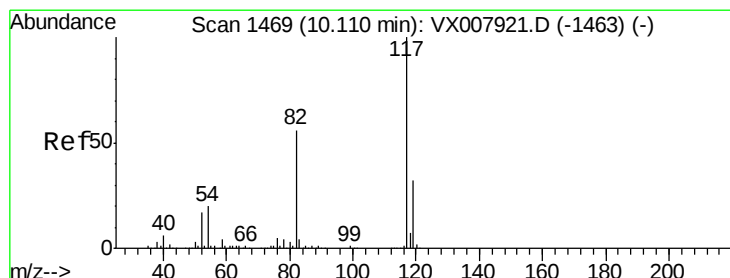
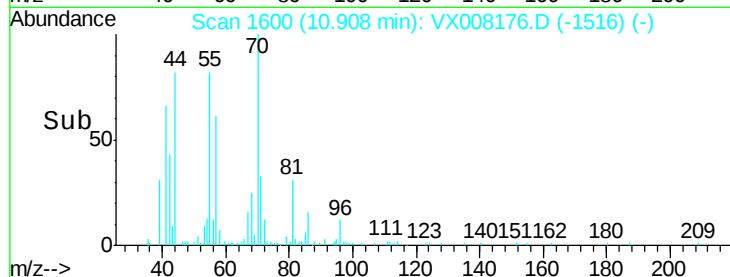
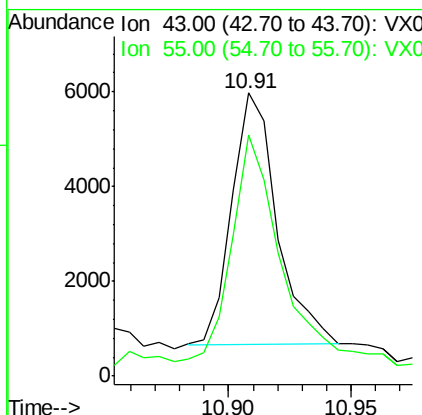
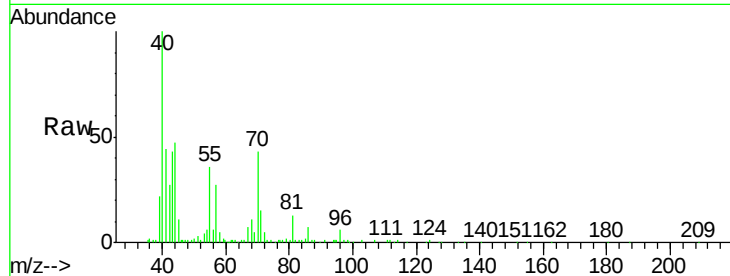




#47
n-amvl Acetate
Concen: 1.162 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

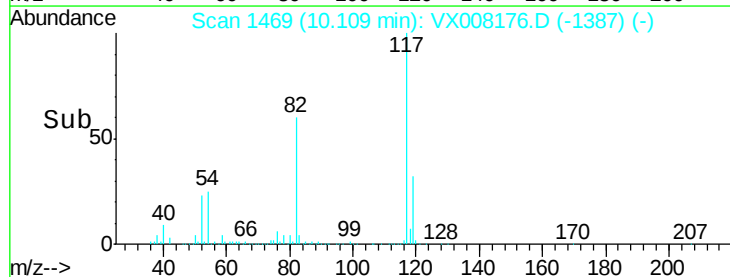
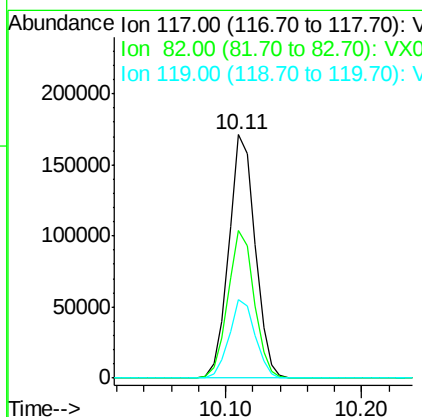
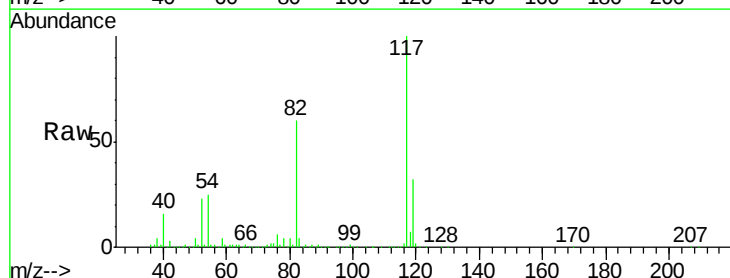
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

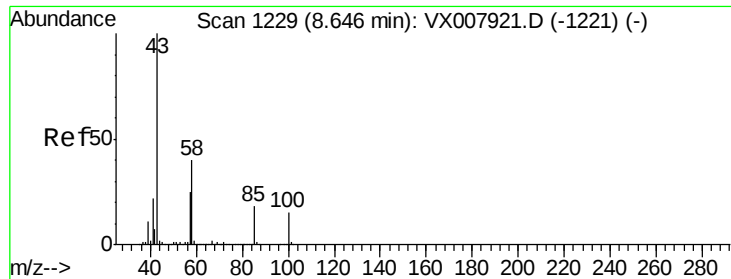
Tot Ion: 43 Resp: 6853
Ion Ratio Lower Upper
43 100
55 101.9 20.8 31.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Tgt Ion:117 Resp: 231109
Ion Ratio Lower Upper
117 100
82 60.2 40.4 60.6
119 31.9 25.8 38.6

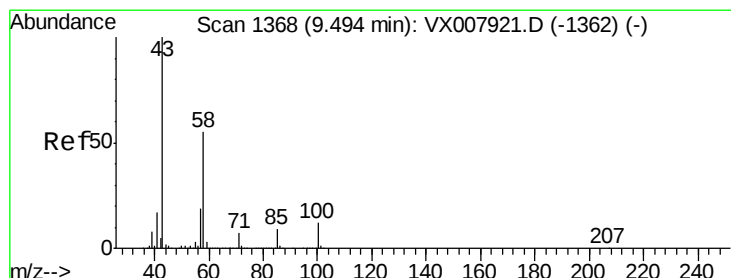
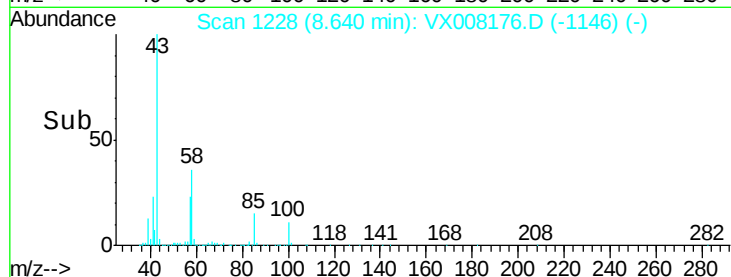
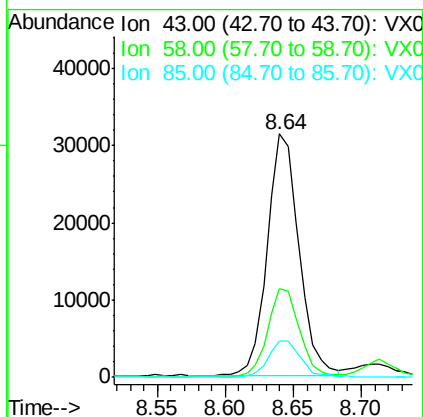
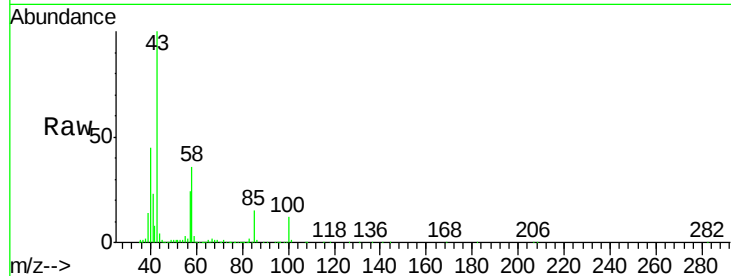




#58
4-Methyl-2-Pentanone
Concen: 11.607 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

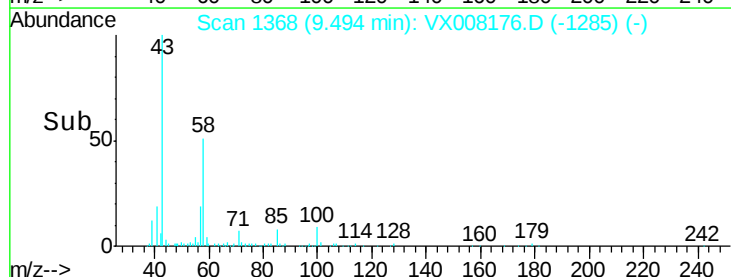
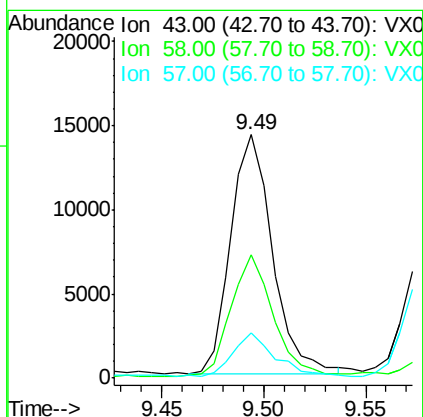
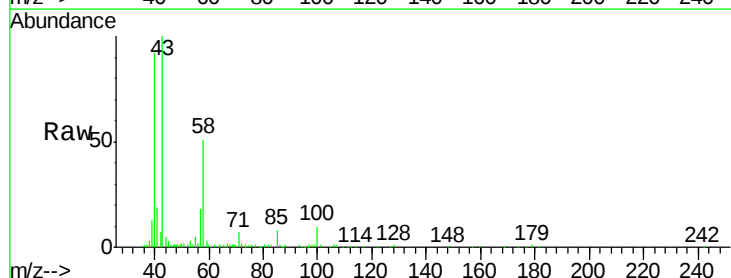
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

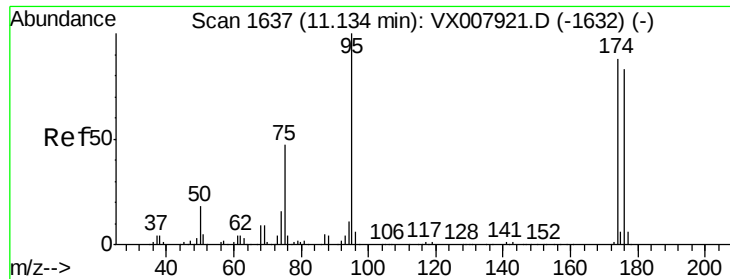
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.2	31.4	47.0
85	15.4	15.0	22.6



#59
2-Hexanone
Concen: 5.760 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.3	43.9	65.9
57	18.8	14.9	22.3

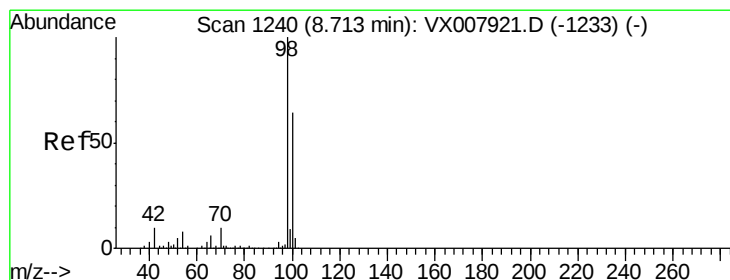
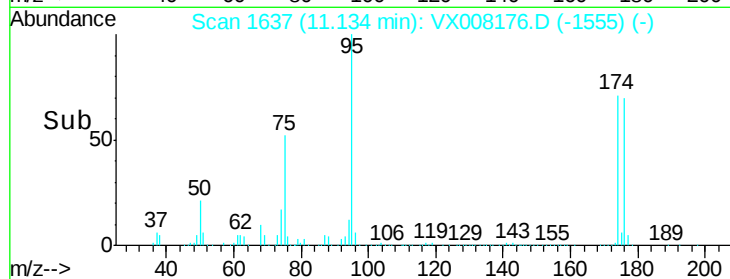
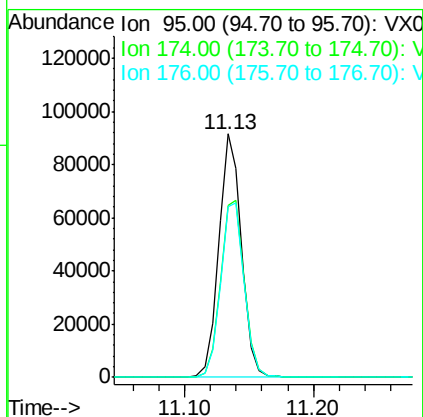
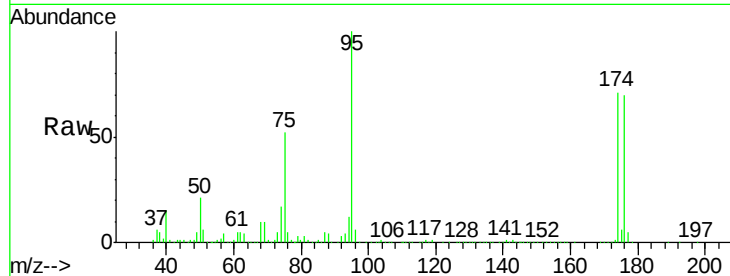




#60
4-Bromofluorobenzene
Concen: 29.210 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion: 95 Resp: 112666
Ion Ratio Lower Upper
95 100
174 76.8 74.9 112.3
176 75.1 70.7 106.1



#63
Toluene-d8
Concen: 30.112 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008176.D
Acq: 18 Mar 2019 19:49

Tgt Ion: 98 Resp: 338127
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3

