

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006139.D
 Acq On : 17 Oct 2018 20:45
 Operator : VA/AP
 Sample : J5515-18
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Quant Time: Oct 18 10:45:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	18919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	36427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	36670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	16527	105.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.74%	
35) Dibromofluoromethane	7.89	113	13000	60.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.80%	
50) Toluene-d8	10.33	98	35532	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
62) 4-Bromofluorobenzene	12.62	95	16720	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.19	59	215	20.38	ug/l	# 71
16) Acetone	4.13	43	3181	99.17	ug/l	99
18) Methyl Acetate	4.68	43	98	1.24	ug/l	# 49
20) Methylene Chloride	4.93	84	3780	21.86	ug/l	94
25) 2-Butanone	7.17	43	140	3.30	ug/l	# 46
26) 2,2-Dichloropropane	7.14	77	599	2.95	ug/l	# 51
31) Cyclohexane	7.96	56	7755	27.02	ug/l	94
36) 1,1-Dichloropropene	7.96	75	1322	3.94	ug/l	# 43
38) Carbon Tetrachloride	7.95	117	1736	4.72	ug/l	# 13
39) Methylcyclohexane	9.34	83	20259	45.39	ug/l	97
40) Benzene	8.33	78	4068	4.42	ug/l	100
43) Isopropyl Acetate	8.43	43	2649	10.39	ug/l	# 50
45) 1,2-Dichloropropane	9.34	63	295	1.34	ug/l	# 1
47) Bromodichloromethane	9.62	83	1109	3.64	ug/l	# 25
48) Methyl methacrylate	9.48	41	956	7.91	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.32	43	869	6.80	ug/l	90
52) Toluene	10.39	92	1499	2.43	ug/l	99
55) 1,1,2-Trichloroethane	10.77	97	6223	35.40	ug/l	# 23
56) Ethyl methacrylate	10.67	69	1217	5.65	ug/l	# 12
58) 2-Chloroethyl Vinyl ether	9.92	63	149	1.81	ug/l	# 44
66) 1,1,1,2-Tetrachloroethane	11.73	131	324	1.16	ug/l	# 14
67) Ethyl Benzene	11.73	91	4505	3.31	ug/l	# 88
68) m/p-Xylenes	11.85	106	3871	7.20	ug/l	99
69) o-Xylene	12.17	106	1766	3.45	ug/l	100
73) Isopropylbenzene	12.47	105	29854	22.84	ug/l	98
74) N-amyl acetate	12.26	43	971	3.82	ug/l	# 59
75) 1,1,2,2-Tetrachloroethane	12.93	83	743	3.74	ug/l	81
76) 1,2,3-Trichloropropane	12.80	75	498	3.52	ug/l	# 100
77) Bromobenzene	12.60	156	1696	5.30	ug/l	# 1
78) n-propylbenzene	12.81	91	72313	47.54	ug/l	98
79) 2-Chlorotoluene	12.81	91	72313	84.62	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.91	105	5904	5.36	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.47	75	488	8.25	ug/l	# 71
82) 4-Chlorotoluene	13.11	91	5706	6.37	ug/l	# 40

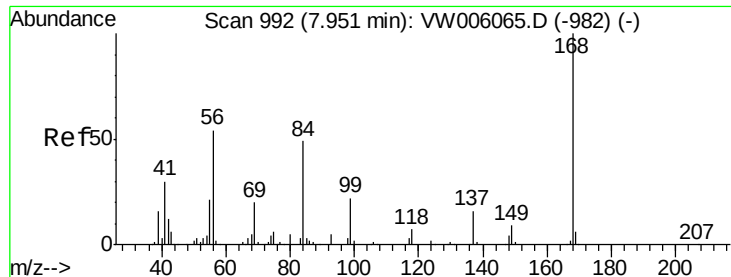
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
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 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.21	119	1551	1.57	ug/l	83
84) 1,2,4-Trimethylbenzene	13.26	105	5489	4.92	ug/l	96
85) sec-Butylbenzene	13.39	105	13519	9.70	ug/l #	67
86) p-Isopropyltoluene	13.66	119	9235	7.33	ug/l	97
89) n-Butylbenzene	13.83	91	18588	16.13	ug/l #	66
90) Hexachloroethane	14.10	117	46570	218.20	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.51	75	349	9.80	ug/l #	14
95) Naphthalene	15.38	128	2059	2.83	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

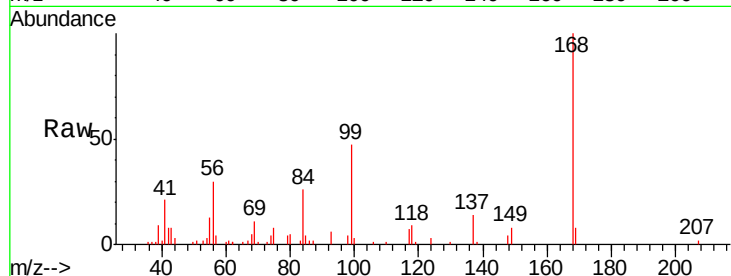
AOC1-01A

Tgt Ion:168 Resp: 18919

Ion Ratio Lower Upper

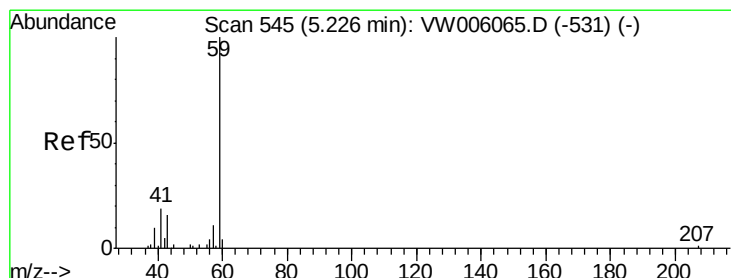
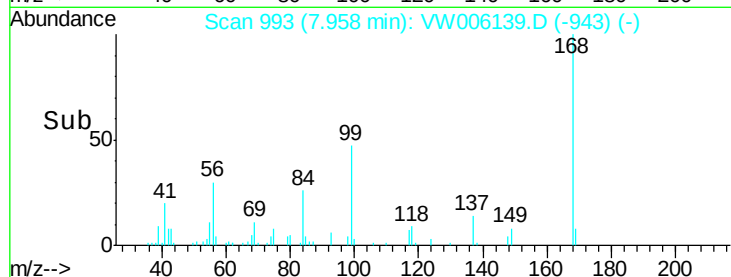
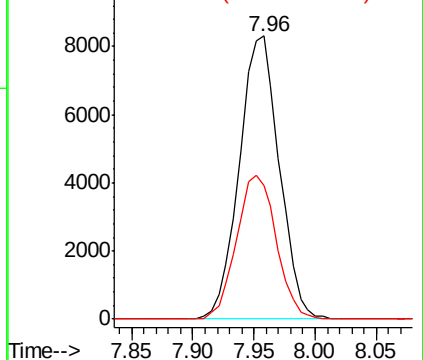
168 100

99 47.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 20.38 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.04 min

Lab File: VW006139.D

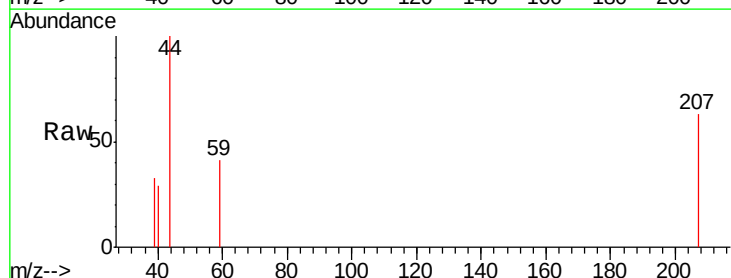
Acq: 17 Oct 2018 20:45

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

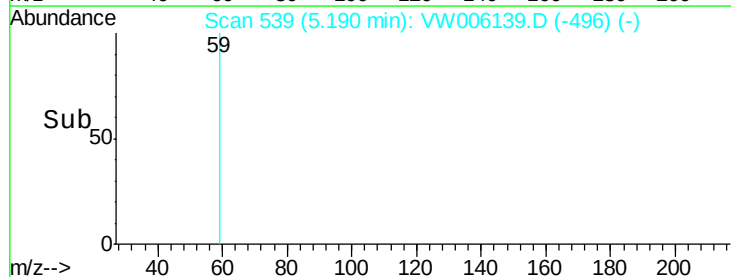
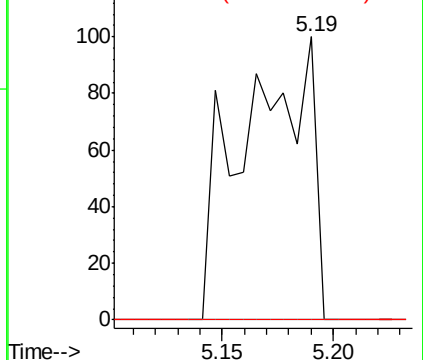
59 100

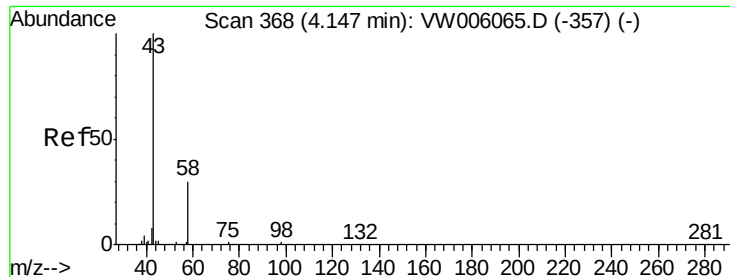
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 99.17 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

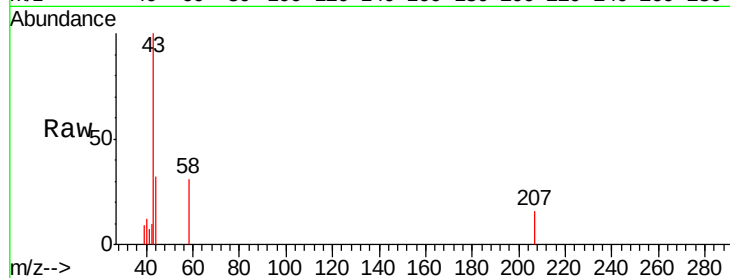
AOC1-01A

Tgt Ion: 43 Resp: 3181

Ion Ratio Lower Upper

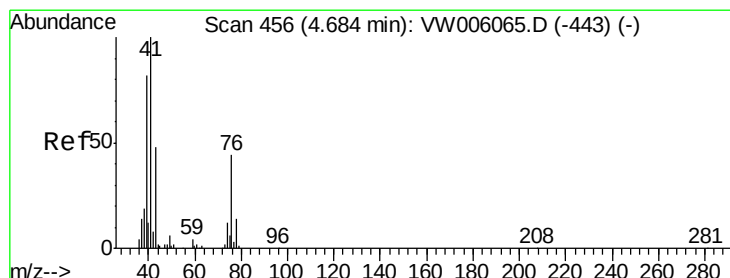
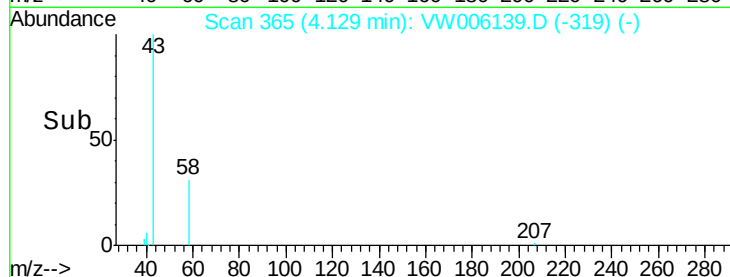
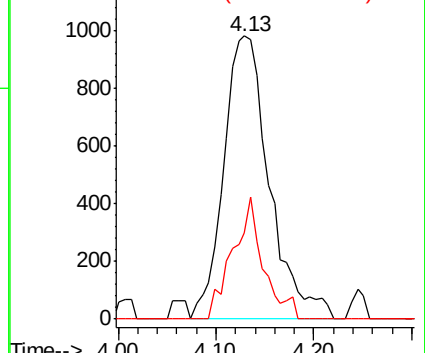
43 100

58 30.7 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.24 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006139.D

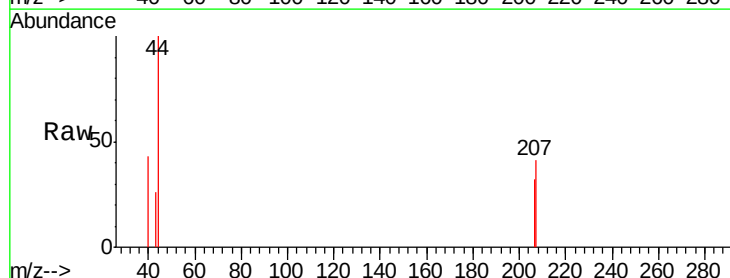
Acq: 17 Oct 2018 20:45

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

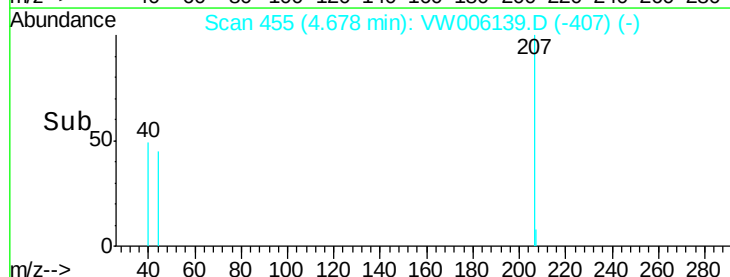
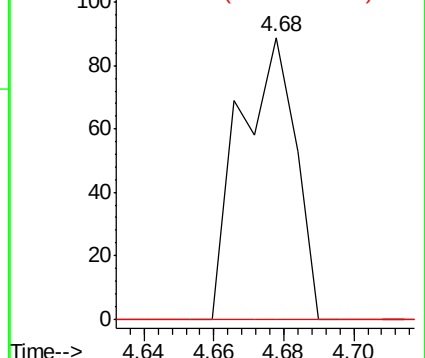
43 100

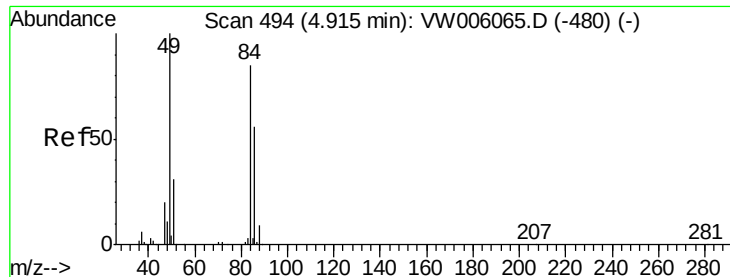
74 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

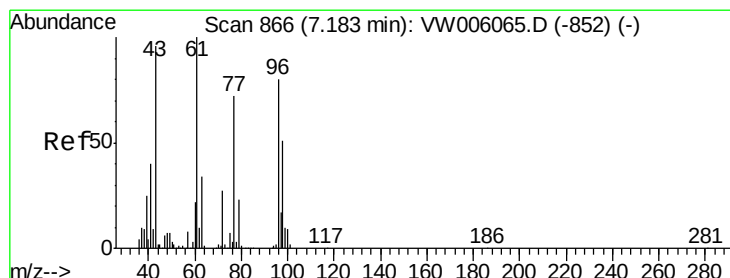
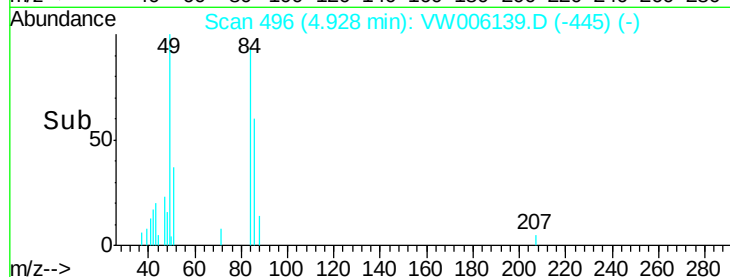
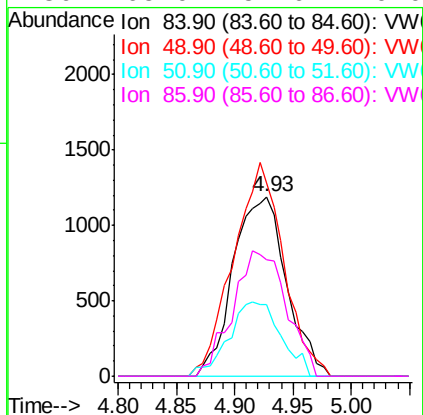
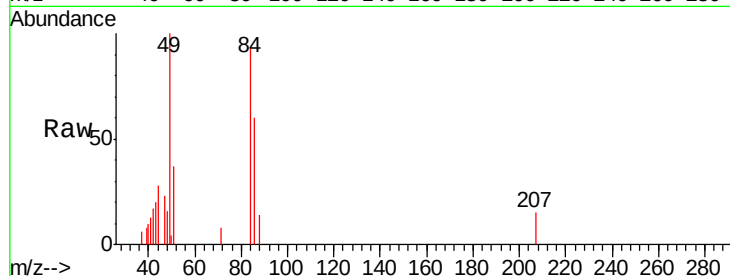




#20
Methylene Chloride
Concen: 21.86 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

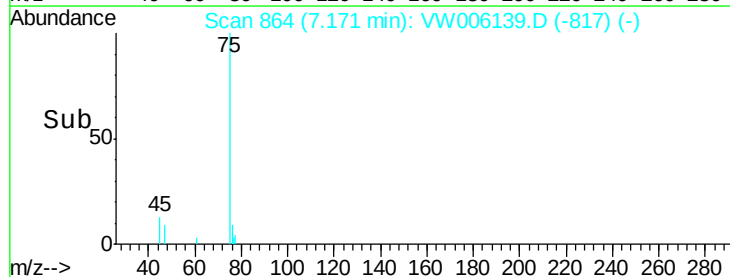
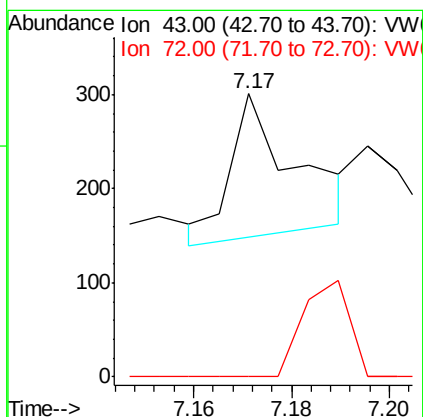
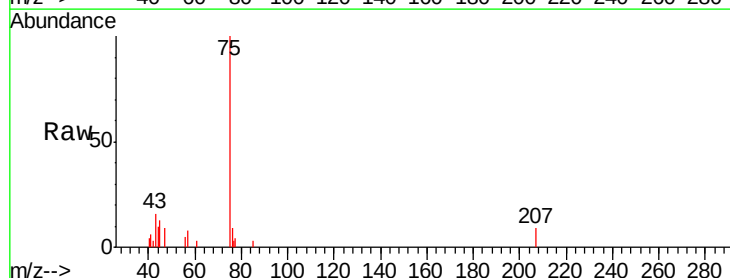
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

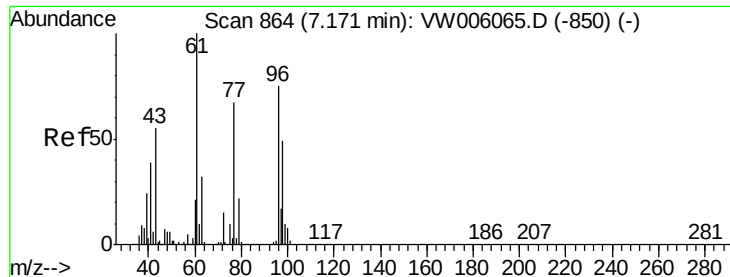
Tgt Ion:	84	Resp:	3780
Ion	Ratio	Lower	Upper
84	100		
49	107.7	93.6	140.4
51	39.9	29.0	43.4
86	65.0	52.6	79.0



#25
2-Butanone
Concen: 3.30 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion:	43	Resp:	140
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

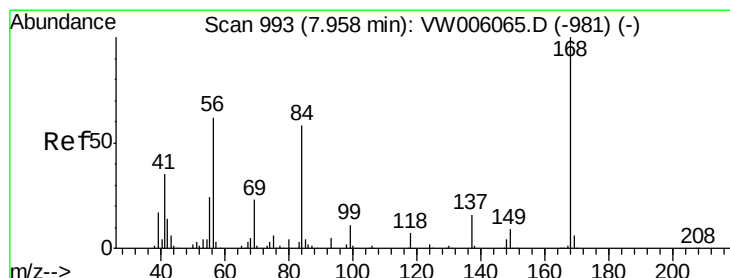
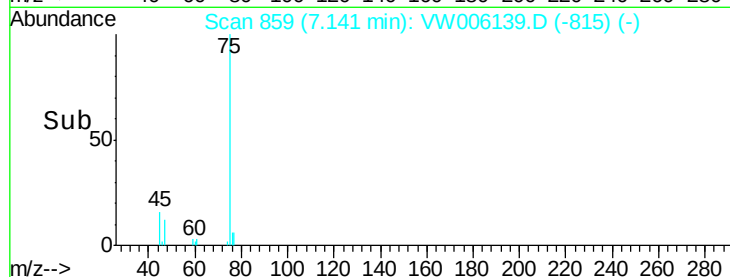
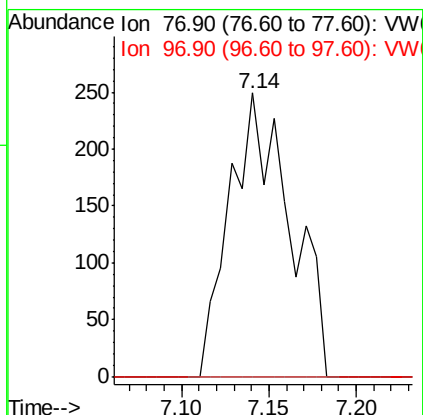
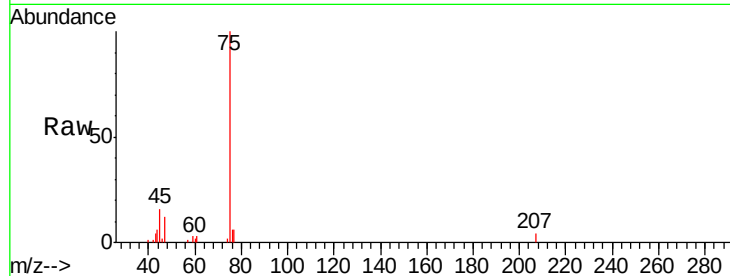




#26
 2,2-Dichloropropane
 Concen: 2.95 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

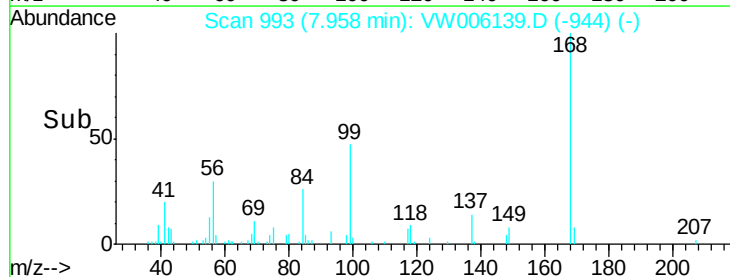
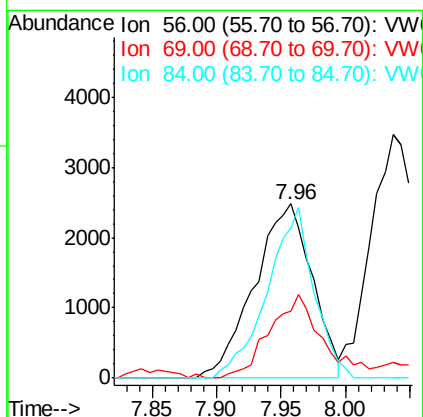
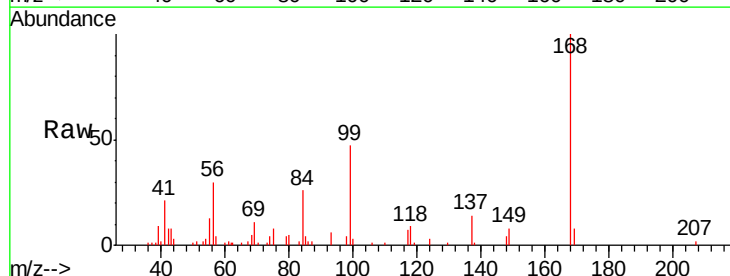
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

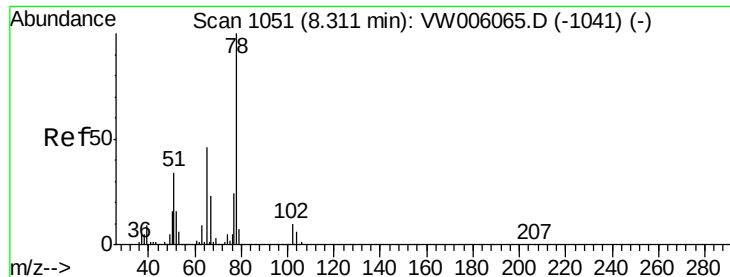
Tgt Ion: 77 Resp: 599
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.4#



#31
 Cyclohexane
 Concen: 27.02 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 56 Resp: 7755
 Ion Ratio Lower Upper
 56 100
 69 38.2 29.4 44.0
 84 86.0 74.0 111.0





#33

1,2-Dichloroethane-d4

Concen: 105.37 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

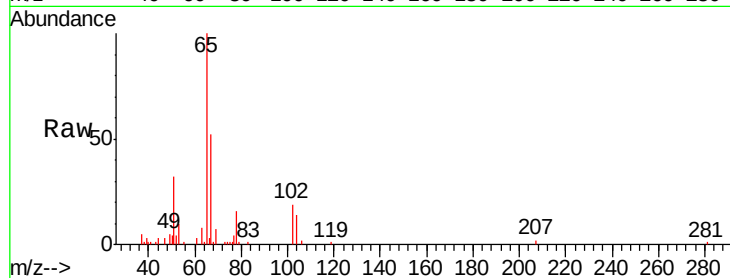
AOC1-01A

Tgt Ion: 65 Resp: 16527

Ion Ratio Lower Upper

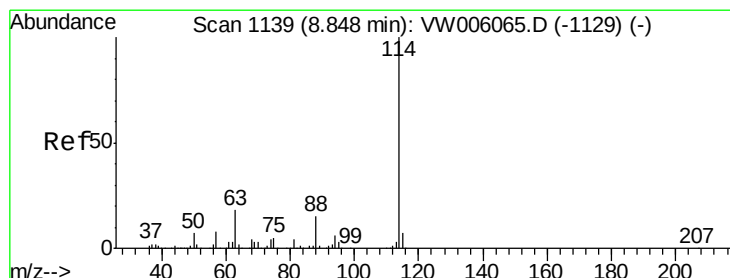
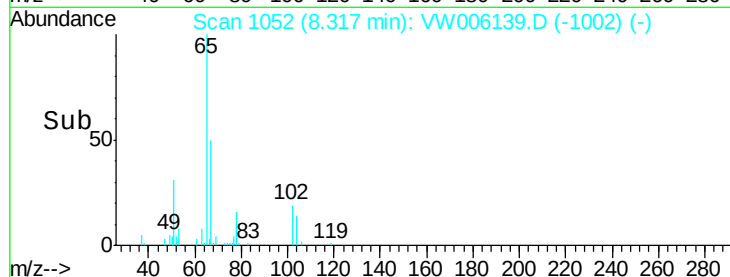
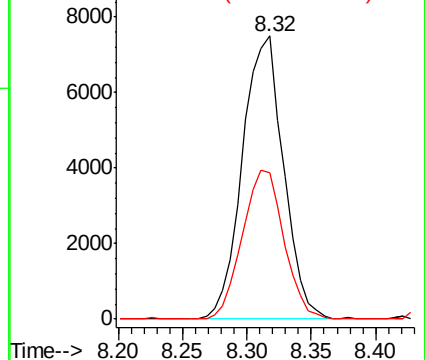
65 100

67 53.4 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

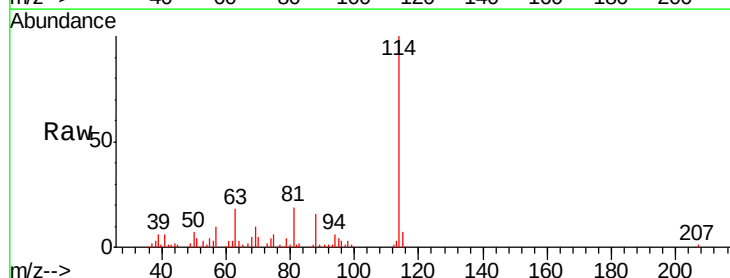
Tgt Ion: 114 Resp: 36427

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

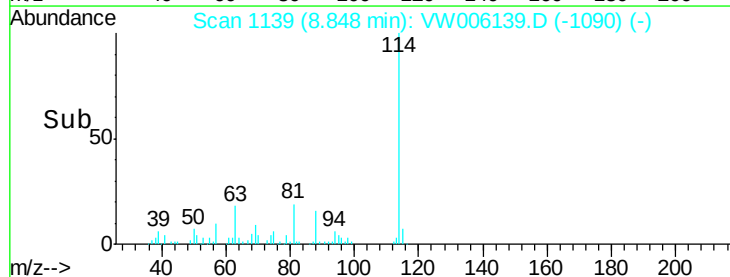
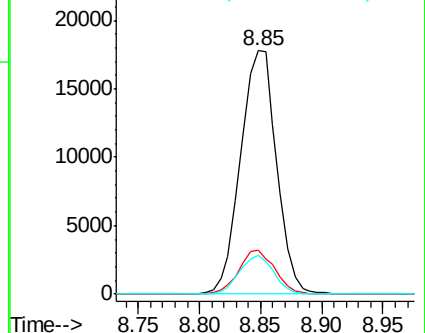
88 15.9 0.0 29.0

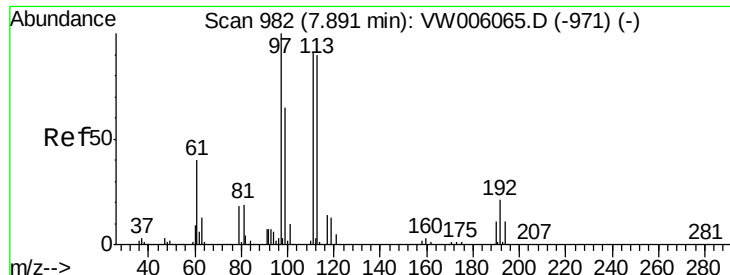


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 60.40 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

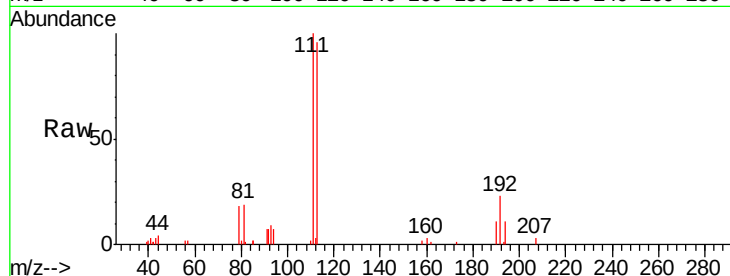
Tgt Ion:113 Resp: 13000

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

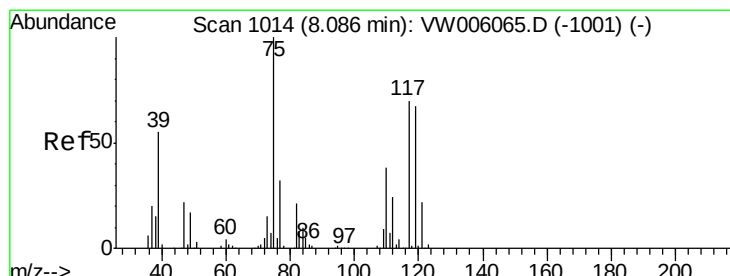
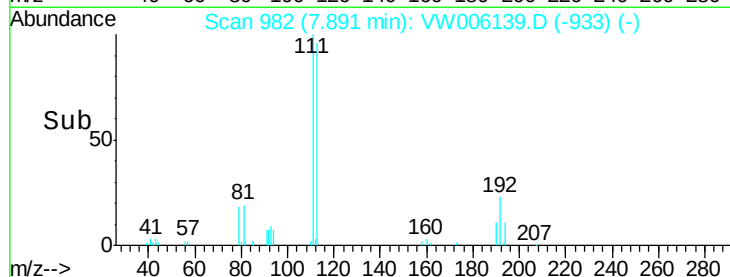
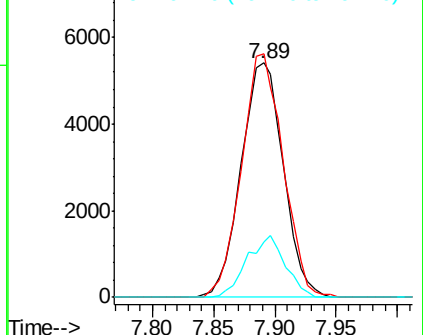
192 23.9 18.7 28.1



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: 3.94 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

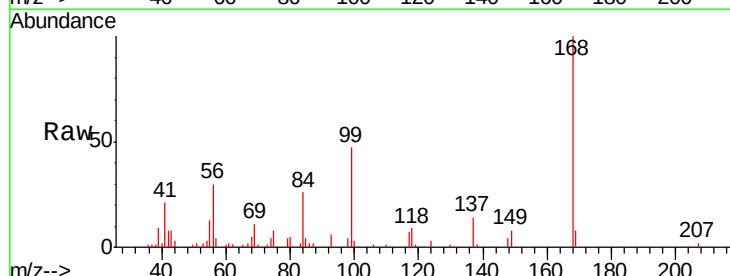
Tgt Ion: 75 Resp: 1322

Ion Ratio Lower Upper

75 100

110 3.7 19.1 57.1#

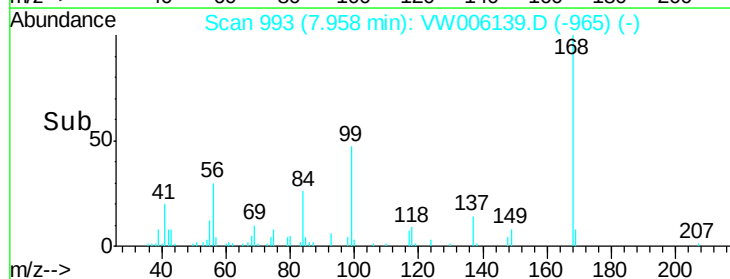
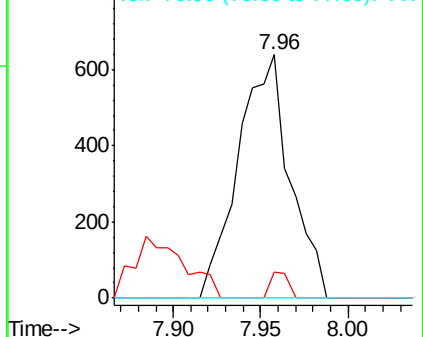
77 0.0 25.0 37.4#

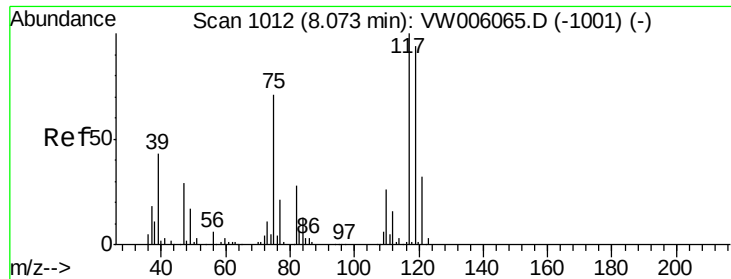


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

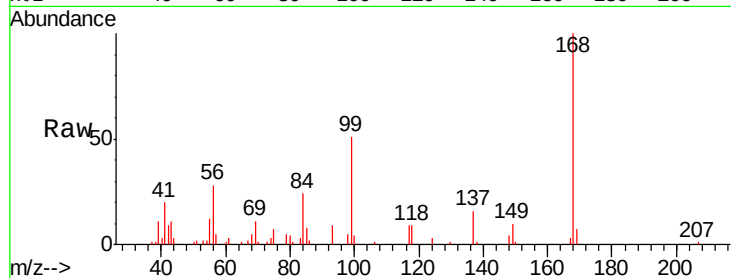




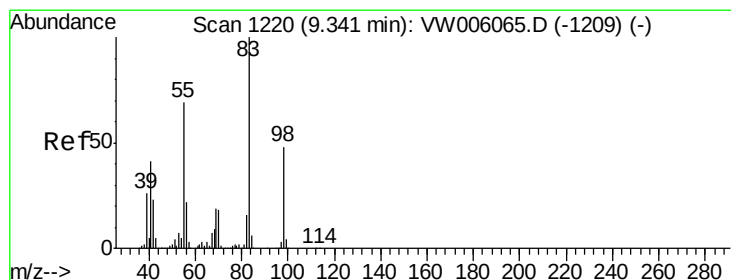
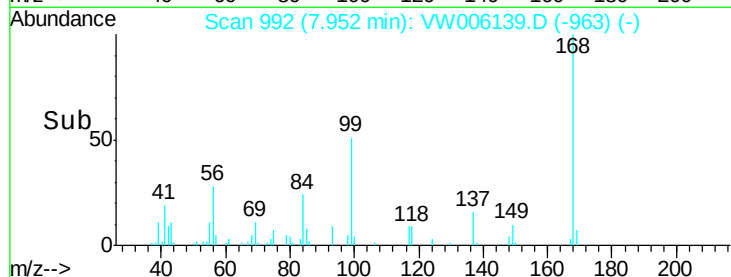
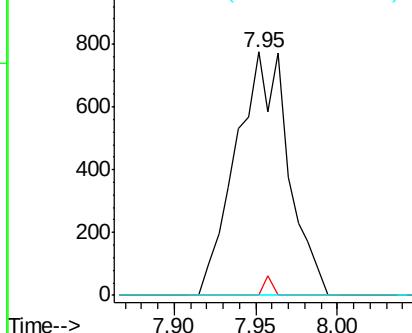
#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

Tgt Ion: 117 Resp: 1736
Ion Ratio Lower Upper
117 100
119 0.0 75.2 112.8#
121 0.0 25.3 37.9#

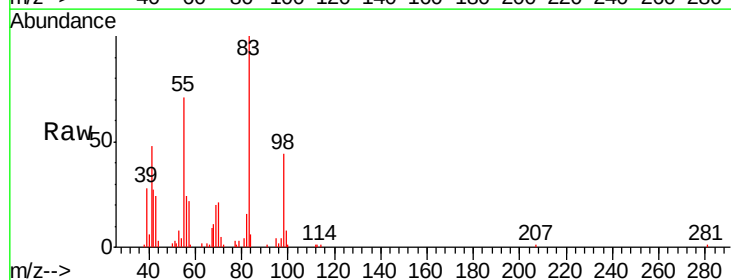


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

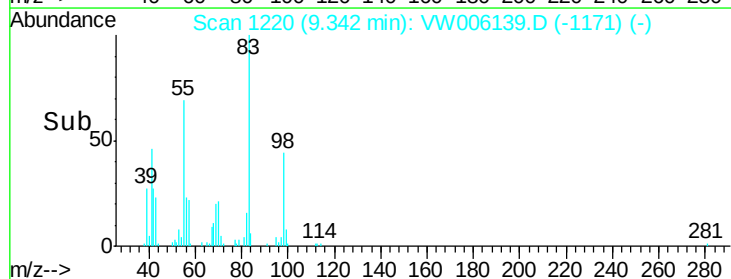
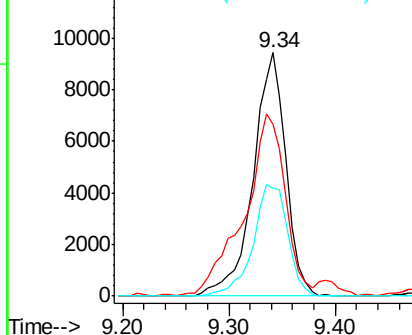


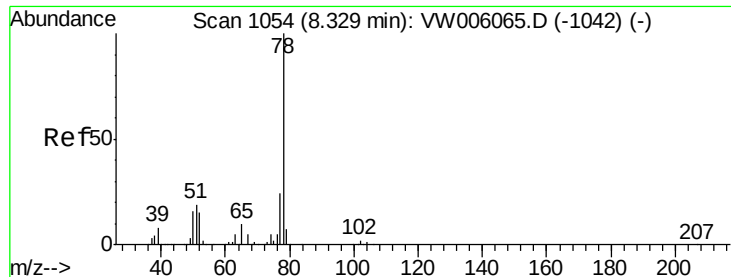
#39
Methylcyclohexane
Concen: 45.39 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion: 83 Resp: 20259
Ion Ratio Lower Upper
83 100
55 69.4 55.0 82.6
98 44.3 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 4.42 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

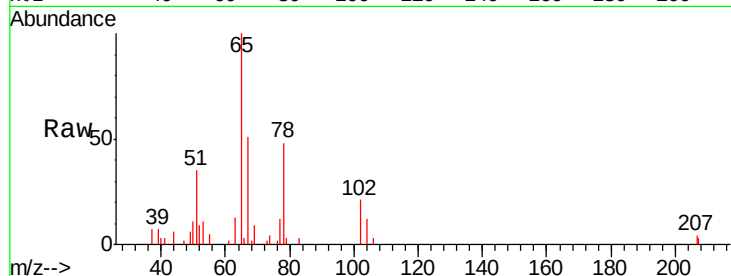
AOC1-01A

Tgt Ion: 78 Resp: 4068

Ion Ratio Lower Upper

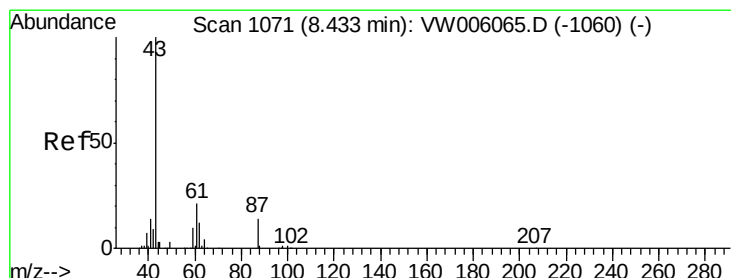
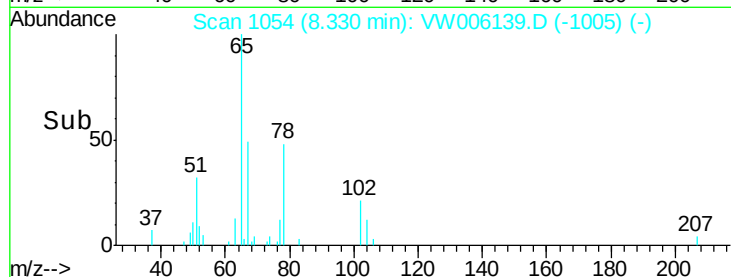
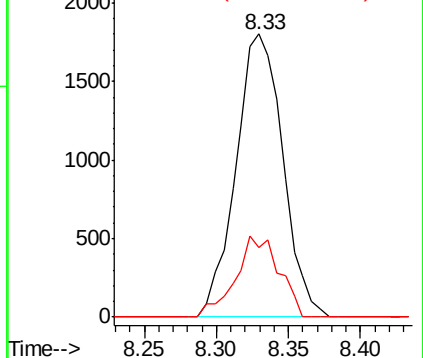
78 100

77 24.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

Isopropyl Acetate

Concen: 10.39 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

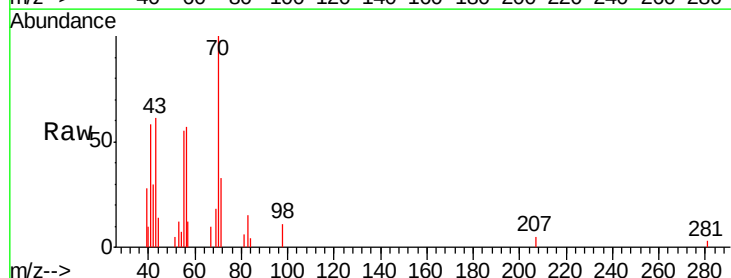
Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

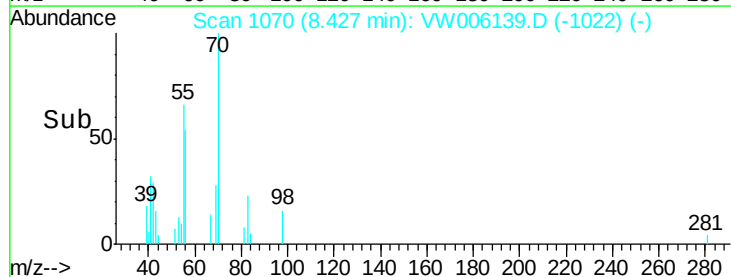
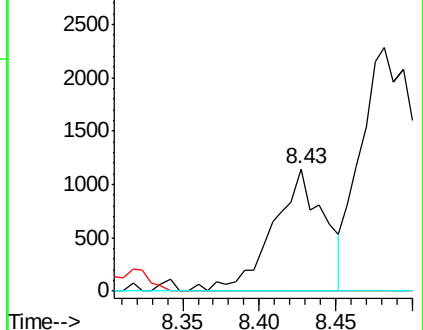
87 0.0 11.7 17.5#

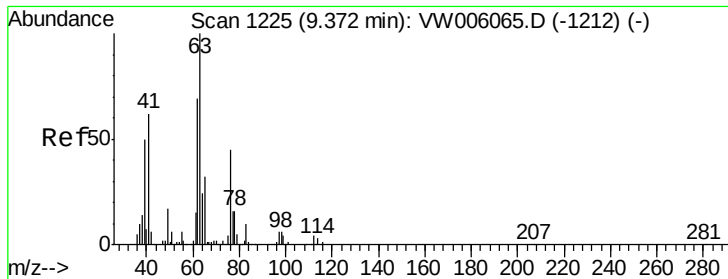


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

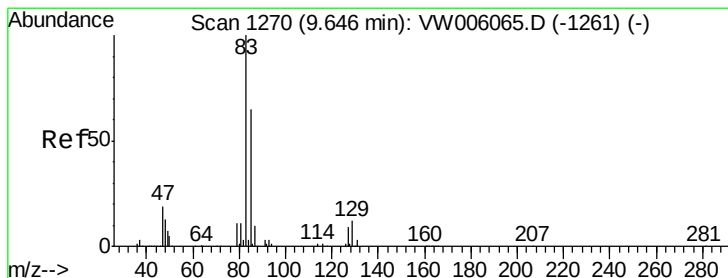
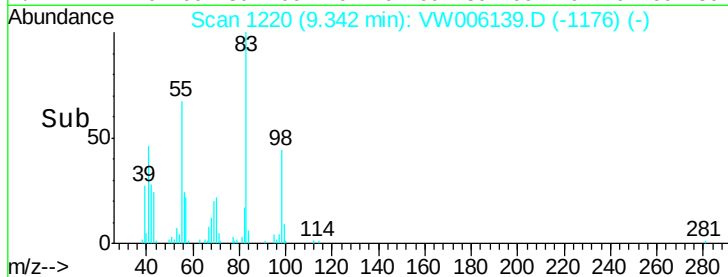
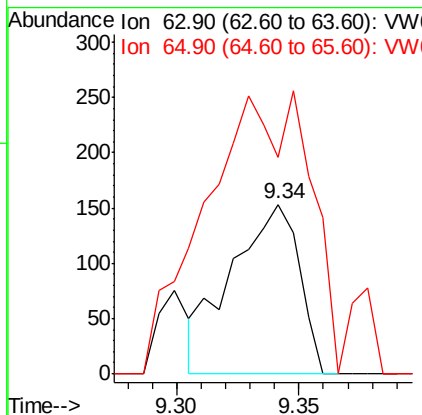
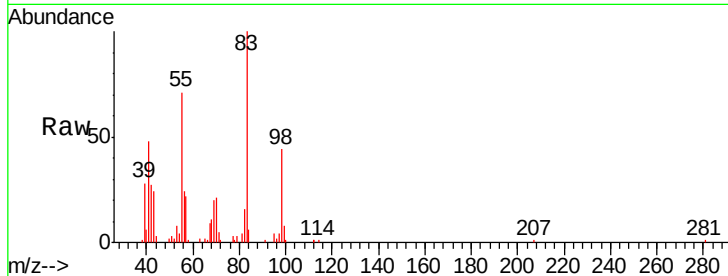




#45
 1,2-Dichloropropane
 Concen: 1.34 ug/l
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.03 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

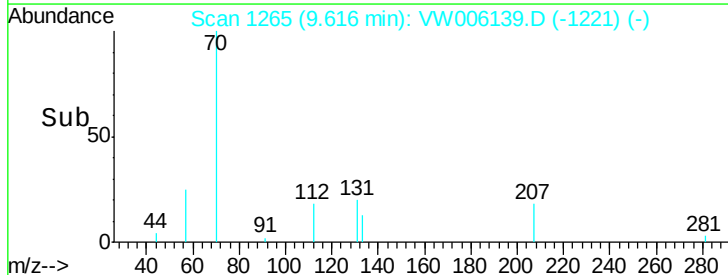
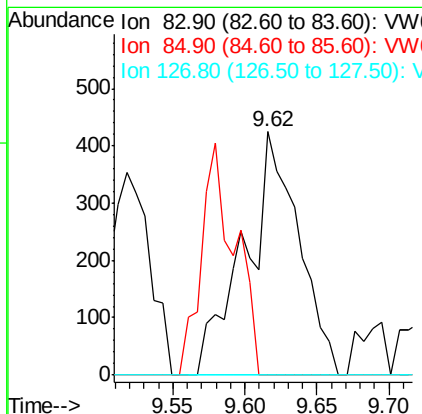
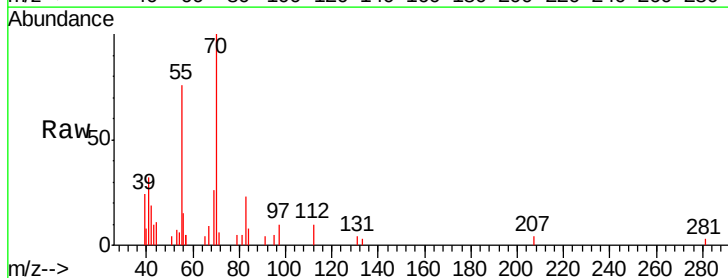
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

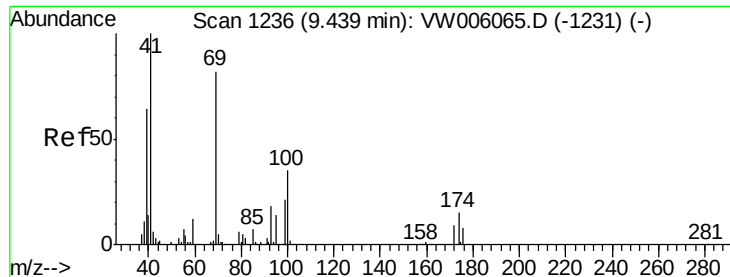
Tgt Ion: 63 Resp: 295
 Ion Ratio Lower Upper
 63 100
 65 128.1 25.4 38.0#



#47
 Bromodichloromethane
 Concen: 3.64 ug/l
 RT: 9.62 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 83 Resp: 1109
 Ion Ratio Lower Upper
 83 100
 85 0.0 51.8 77.8#
 127 0.0 6.9 10.3#

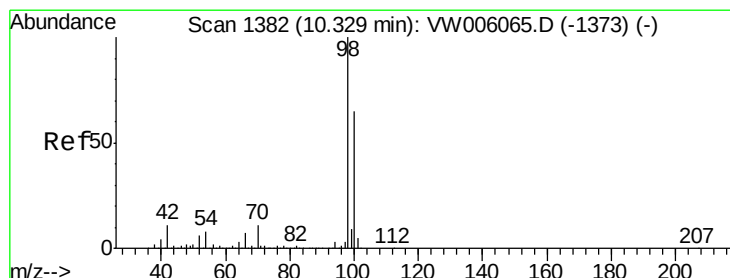
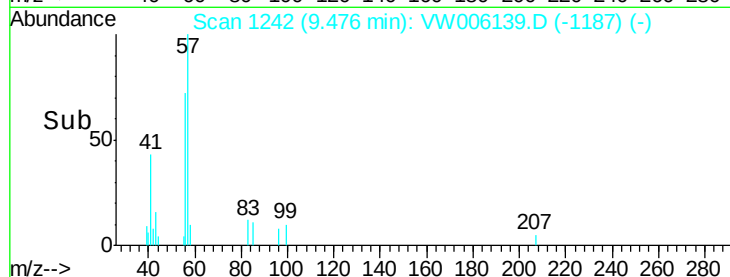
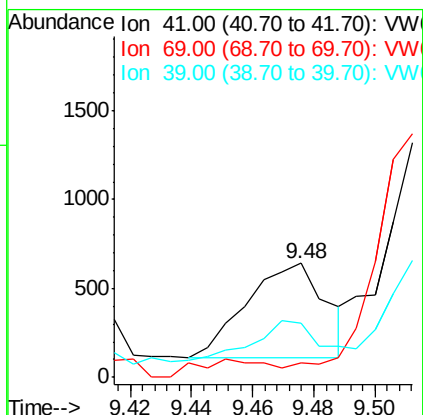
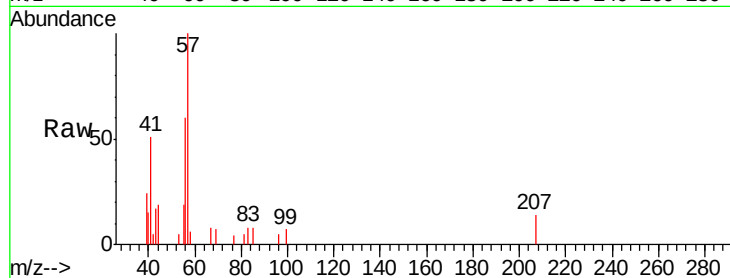




#48
Methyl methacrylate
Concen: 7.91 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.04 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

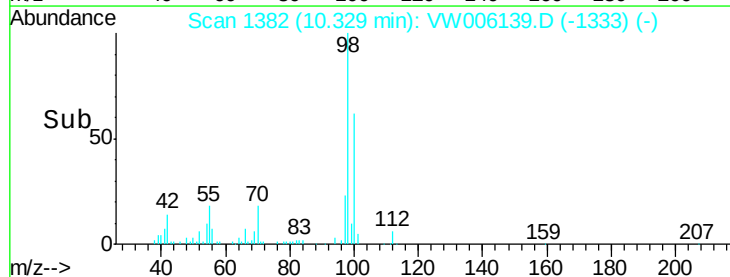
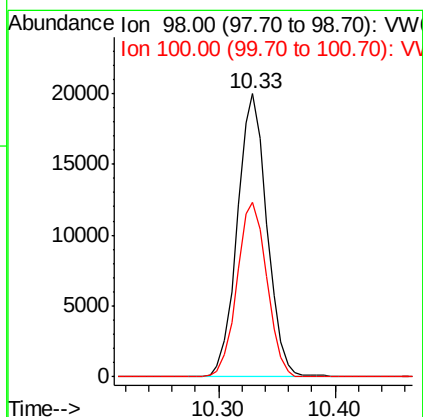
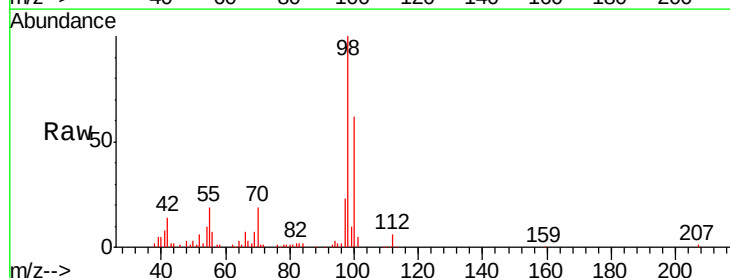
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

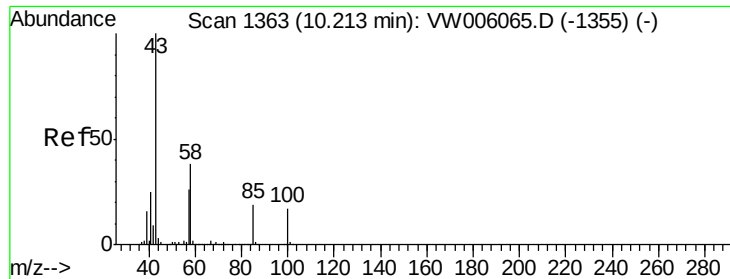
Tgt Ion: 41 Resp: 956
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 38.3 52.5 78.7#



#50
Toluene-d8
Concen: 43.39 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion: 98 Resp: 35532
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4

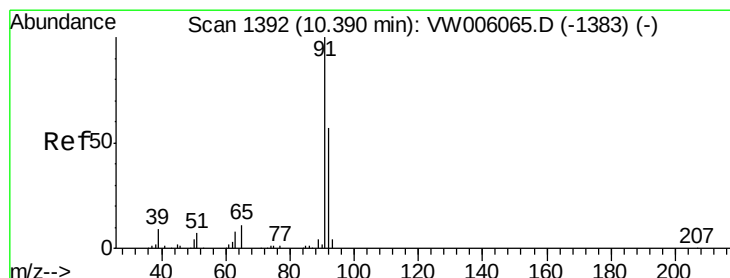
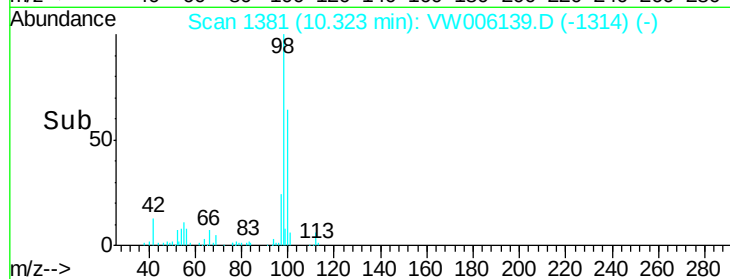
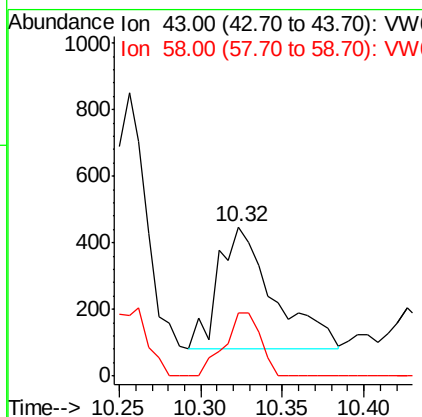
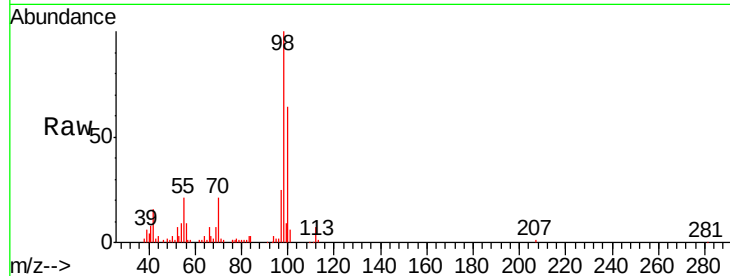




#51
 4-Methyl-2-Pentanone
 Concen: 6.80 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.11 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

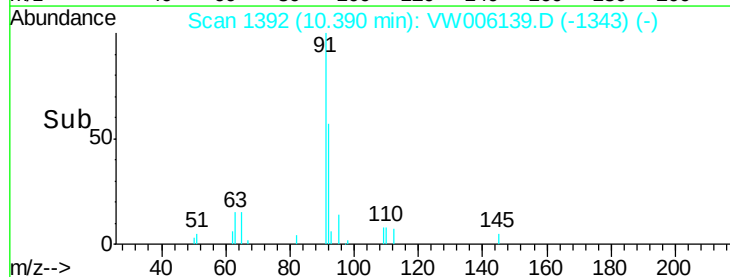
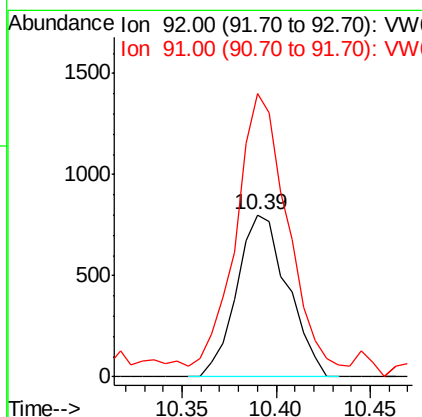
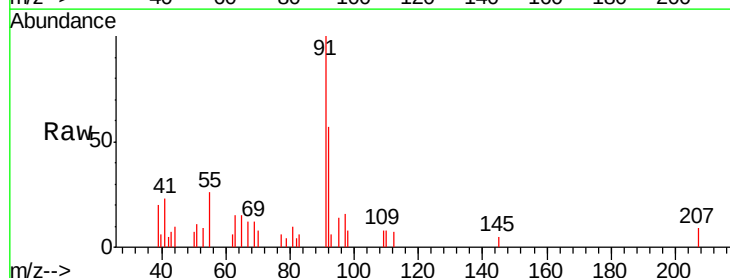
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

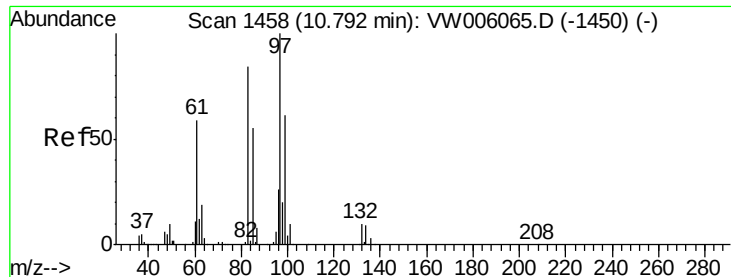
Tgt Ion: 43 Resp: 869
 Ion Ratio Lower Upper
 43 100
 58 33.1 31.5 47.3



#52
 Toluene
 Concen: 2.43 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 92 Resp: 1499
 Ion Ratio Lower Upper
 92 100
 91 176.4 140.0 210.0

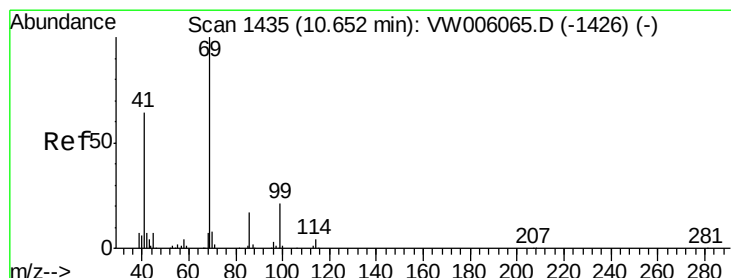
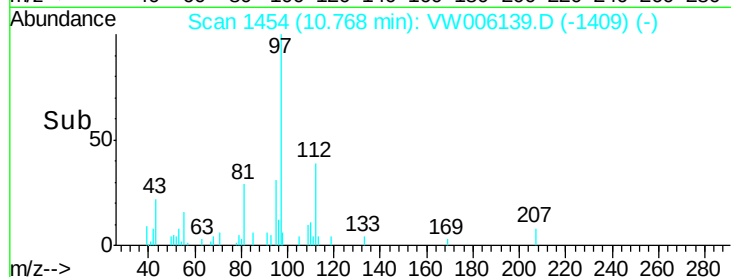
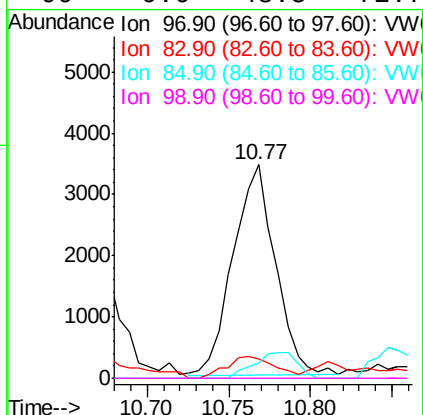
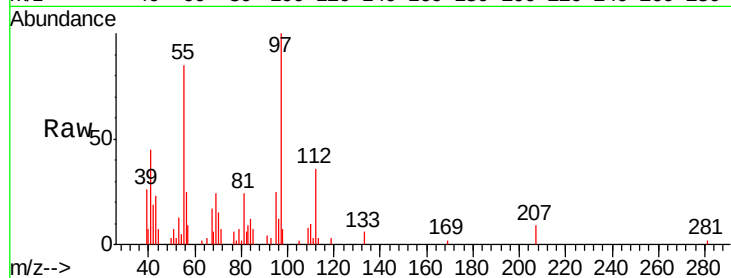




#55
 1,1,2-Trichloroethane
 Concen: 35.40 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

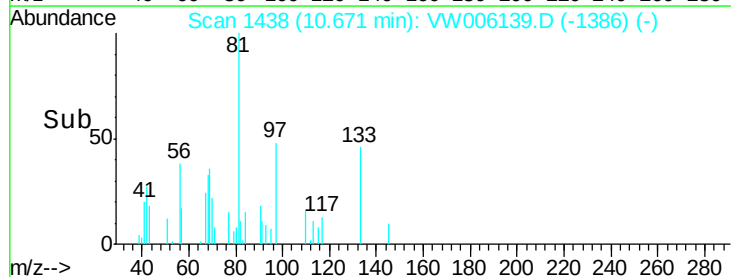
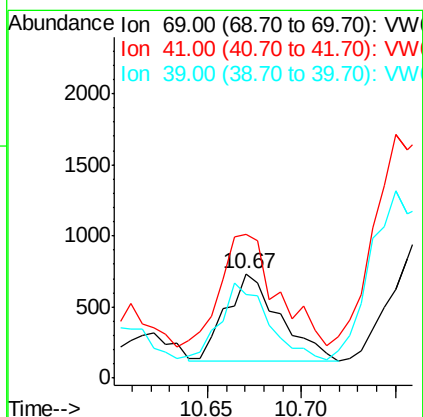
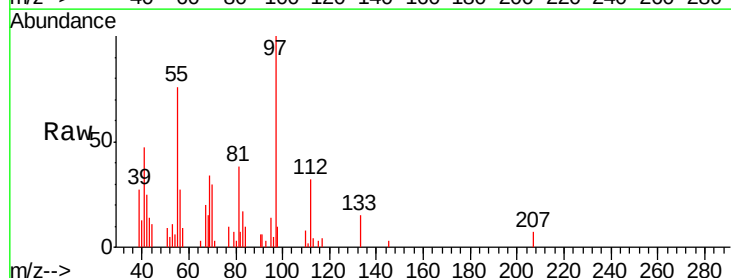
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

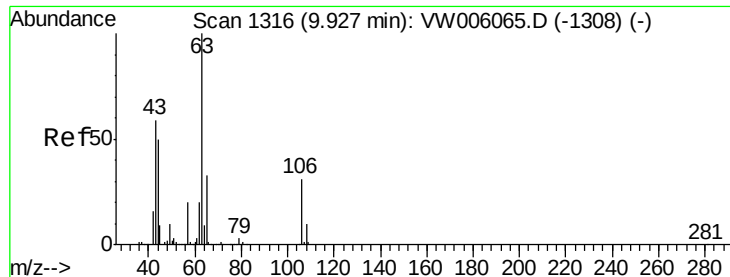
Tgt Ion: 97 Resp: 6223
 Ion Ratio Lower Upper
 97 100
 83 9.4 67.2 100.8#
 85 7.2 43.7 65.5#
 99 0.0 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 5.65 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 69 Resp: 1217
 Ion Ratio Lower Upper
 69 100
 41 143.3 52.8 79.2#
 39 81.3 30.6 45.8#

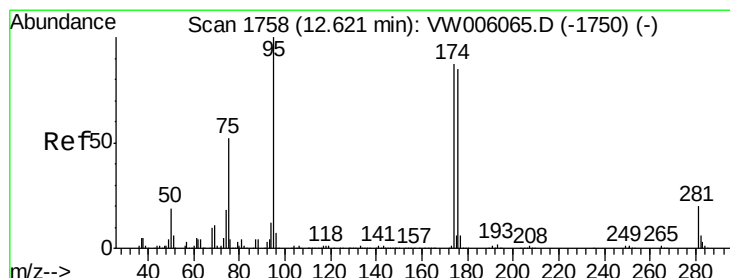
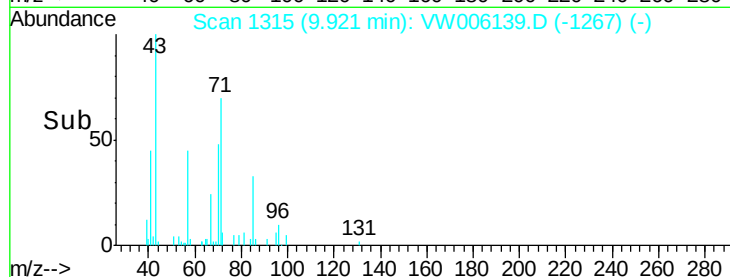
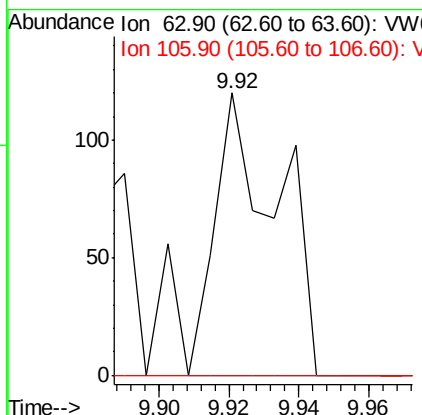
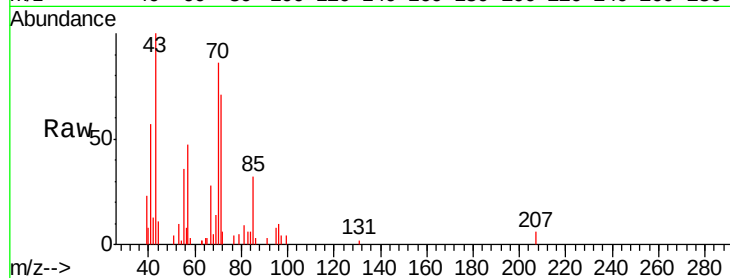




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.81 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

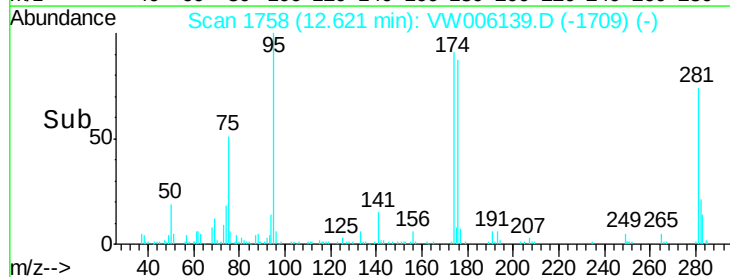
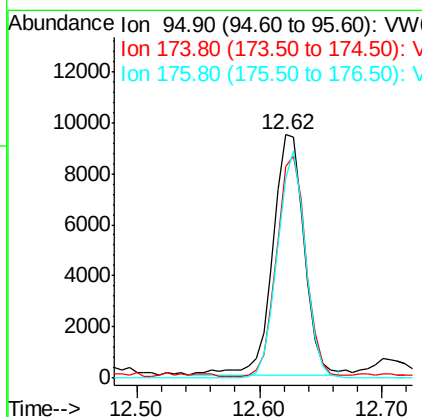
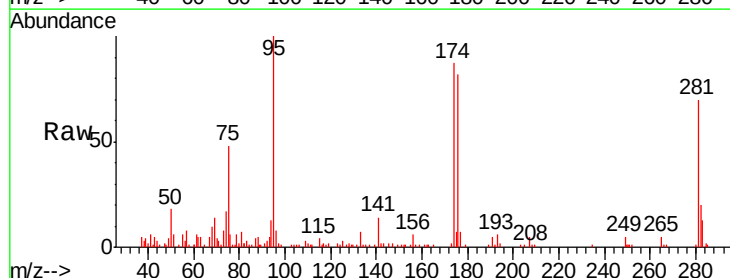
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

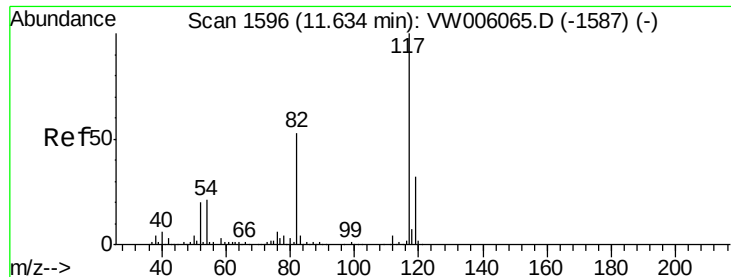
Tgt Ion: 63 Resp: 149
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.5 36.7#



#62
 4-Bromofluorobenzene
 Concen: 54.36 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 95 Resp: 16720
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 186.0
 176 84.5 0.0 181.6

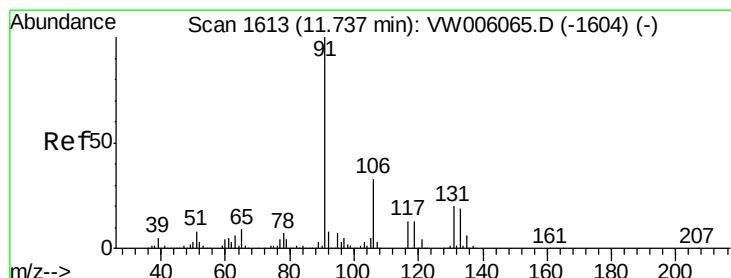
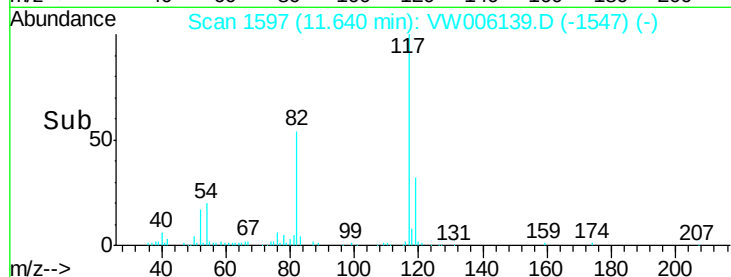
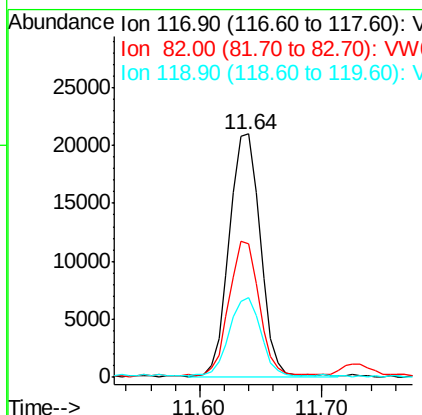
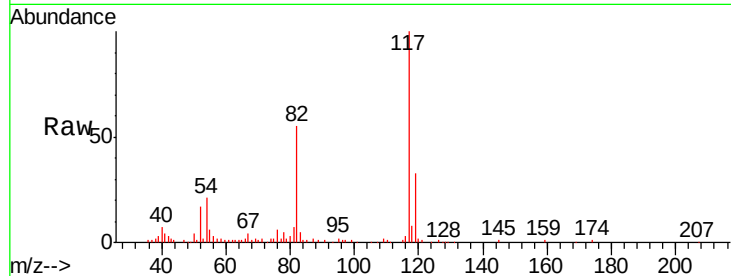




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

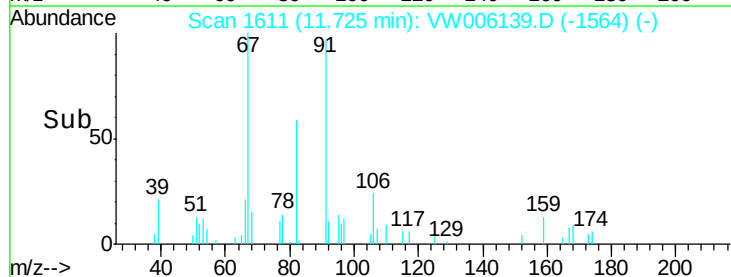
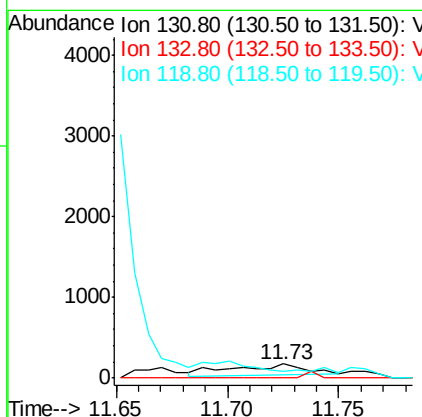
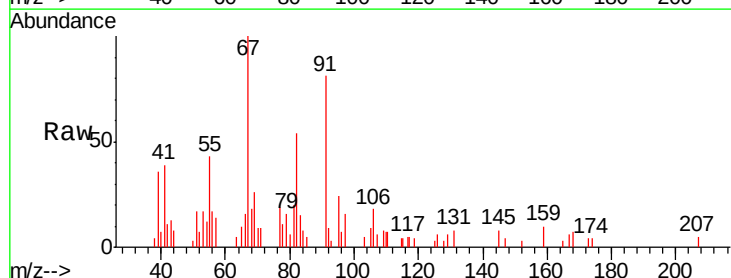
Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

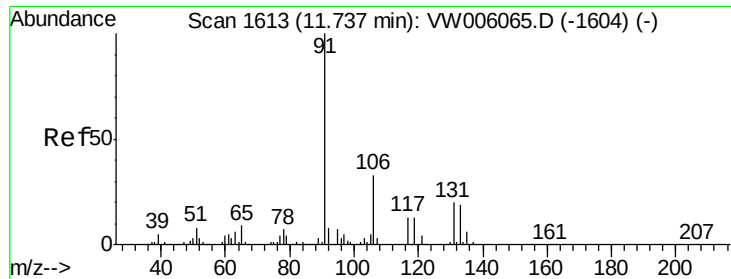
Tgt Ion:117 Resp: 36670
Ion Ratio Lower Upper
117 100
82 53.7 42.1 63.1
119 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 1.16 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion:131 Resp: 324
Ion Ratio Lower Upper
131 100
133 9.3 48.1 144.3#
119 0.0 31.6 94.7#

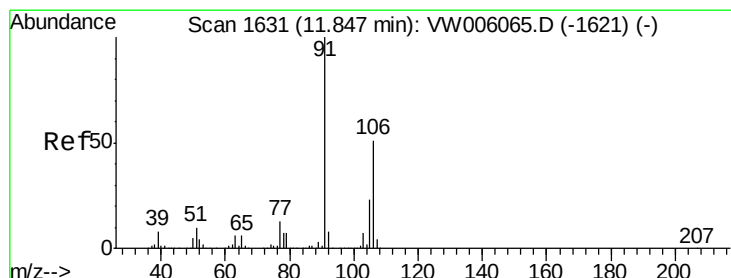
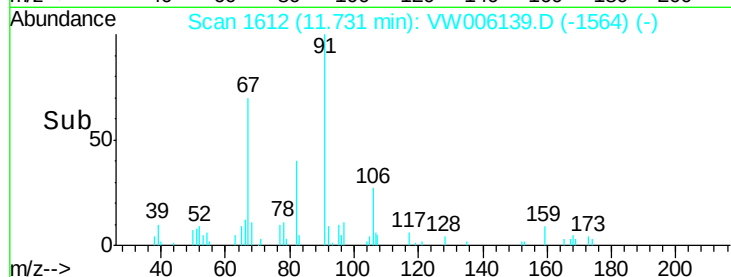
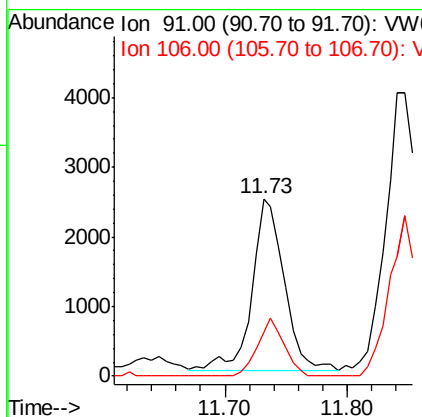
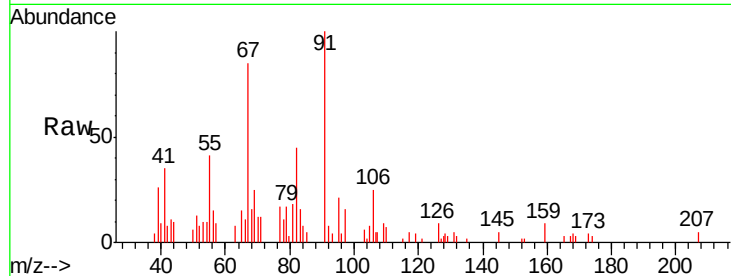




#67
Ethyl Benzene
Concen: 3.31 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

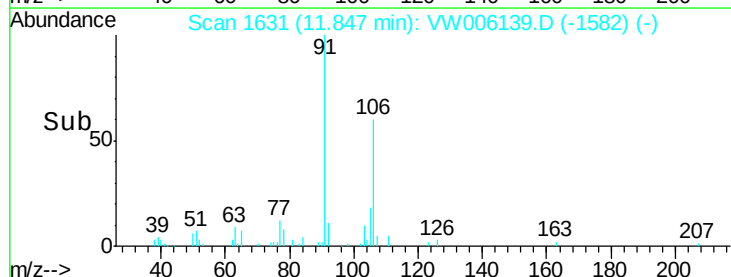
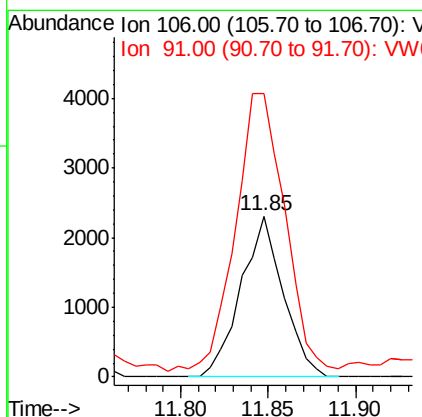
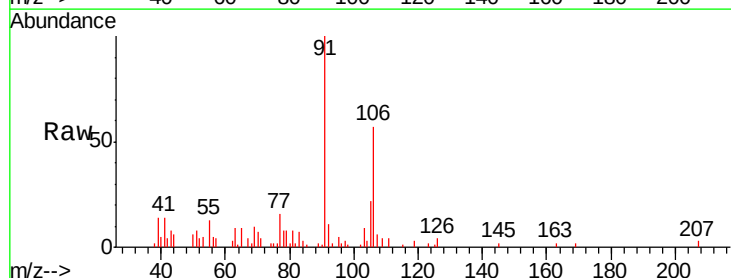
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

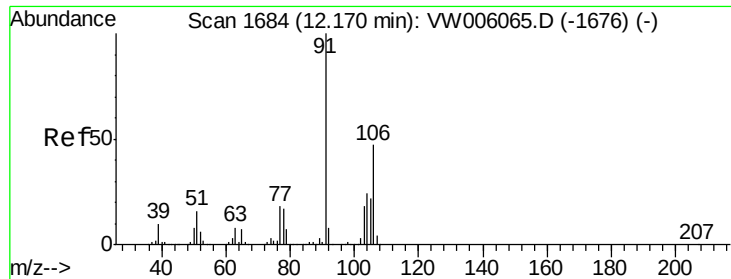
Tgt Ion: 91 Resp: 4505
Ion Ratio Lower Upper
91 100
106 25.8 26.1 39.1#



#68
m/p-Xylenes
Concen: 7.20 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion: 106 Resp: 3871
Ion Ratio Lower Upper
106 100
91 201.0 159.1 238.7

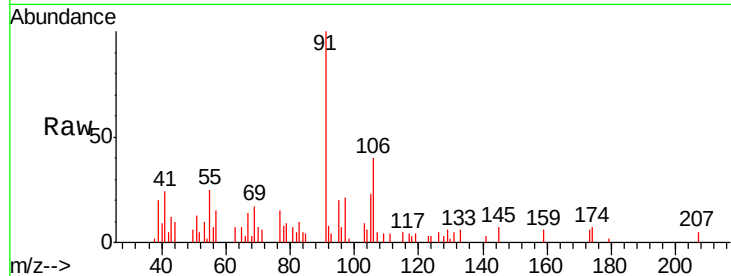




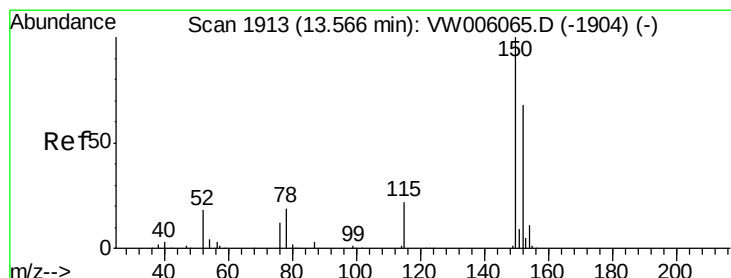
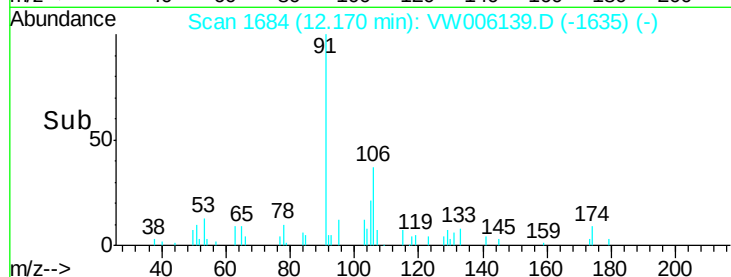
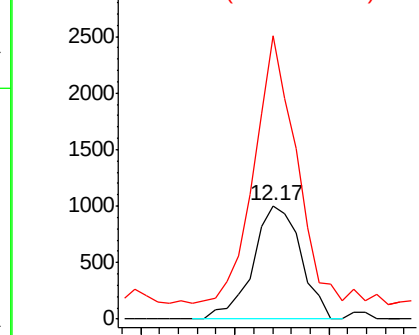
#69
o-Xylene
Concen: 3.45 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tgt Ion:106 Resp: 1766
Ion Ratio Lower Upper
106 100
91 211.3 105.4 316.1

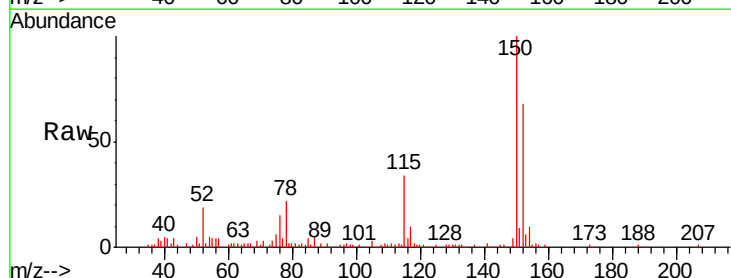


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

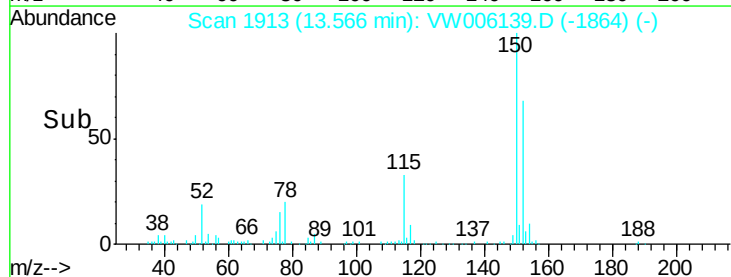
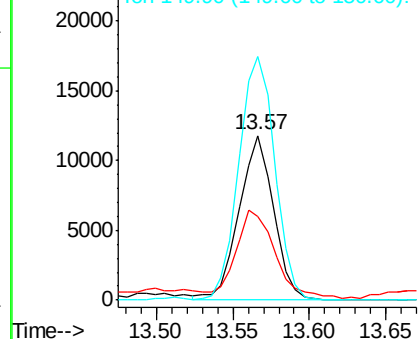


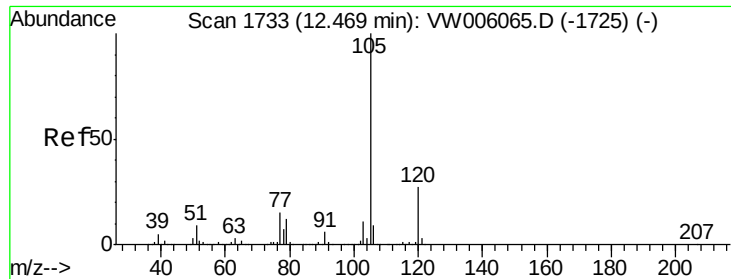
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion:152 Resp: 18505
Ion Ratio Lower Upper
152 100
115 59.5 27.8 83.3
150 154.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 22.84 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

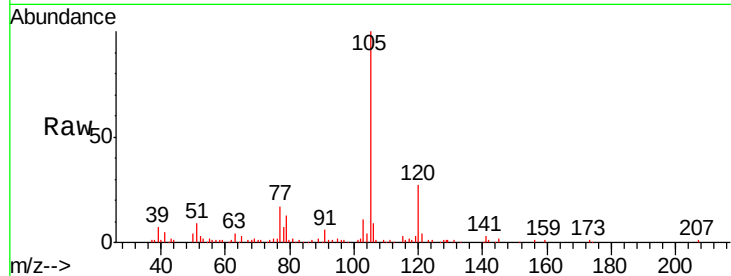
AOC1-01A

Tgt Ion: 105 Resp: 29854

Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

20000

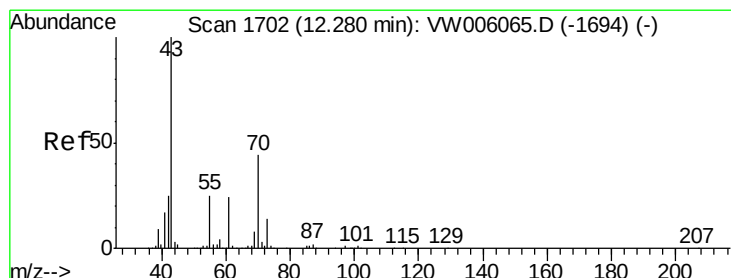
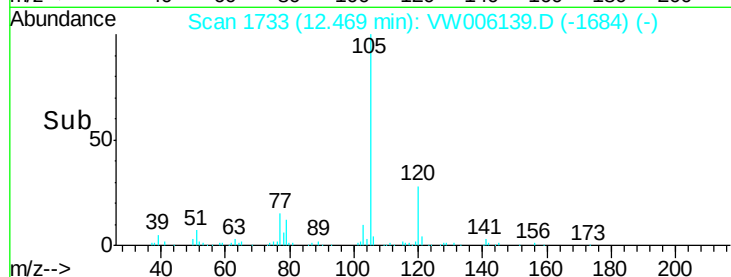
15000

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 3.82 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Tgt Ion: 43 Resp: 971

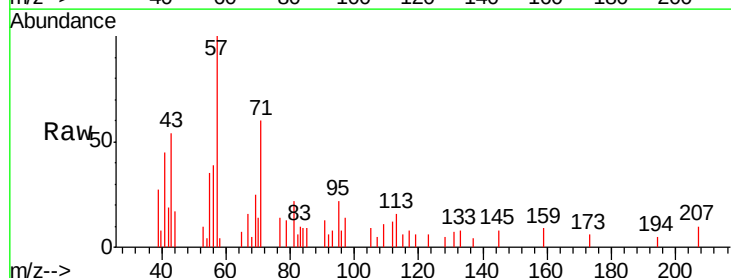
Ion Ratio Lower Upper

43 100

70 14.2 34.2 51.4#

55 10.9 19.2 28.8#

61 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

1000

800

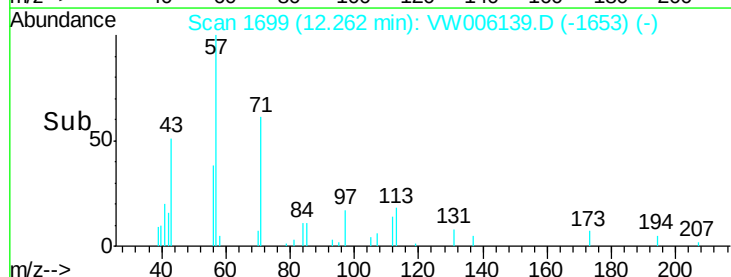
600

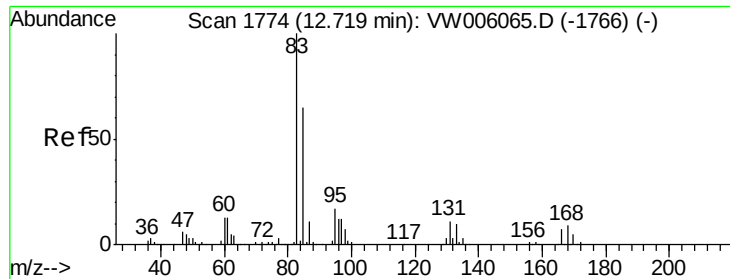
400

200

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 3.74 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.21 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

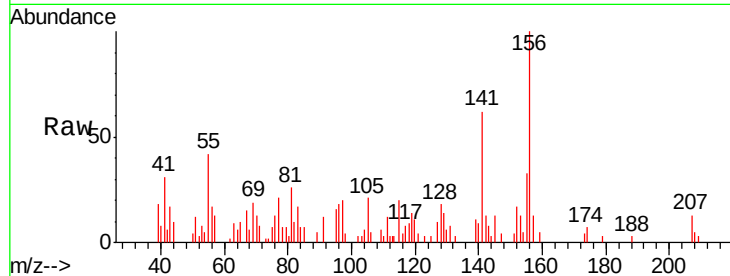
MSVOA_W

ClientSampleId :

AOC1-01A

Tgt Ion: 83 Resp: 743

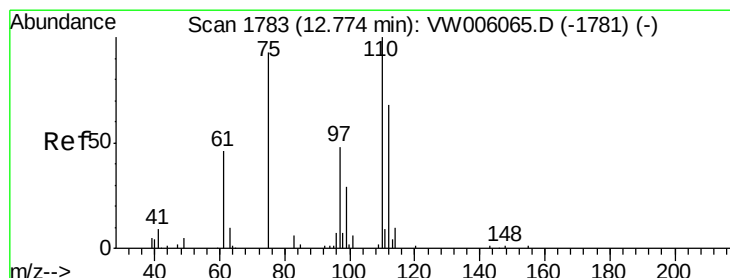
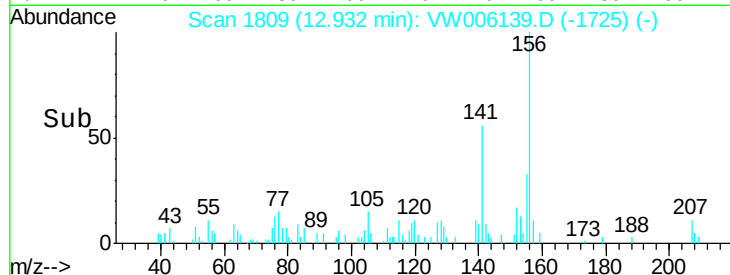
Ion	Ratio	Lower	Upper
83	100		
131	8.3	5.9	17.7
85	47.9	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 3.52 ug/l

RT: 12.80 min Scan# 1788

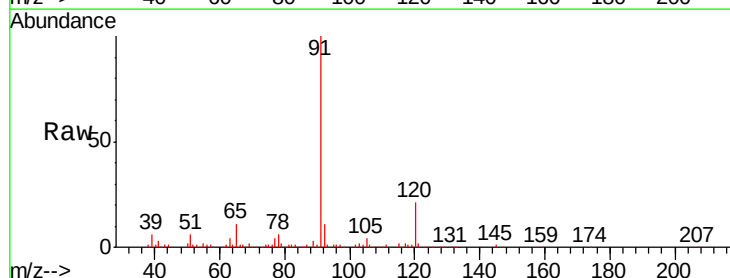
Delta R.T. 0.03 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

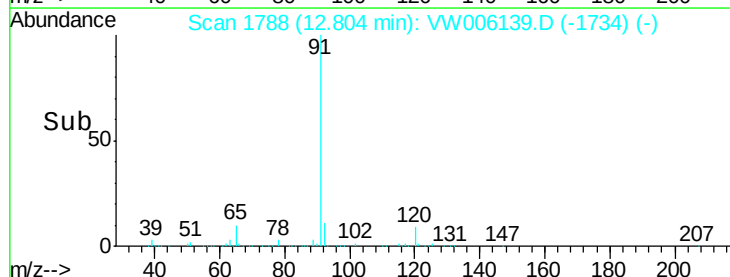
Tgt Ion: 75 Resp: 498

Ion	Ratio	Lower	Upper
75	100		
77	597.2	0.0	0.0#

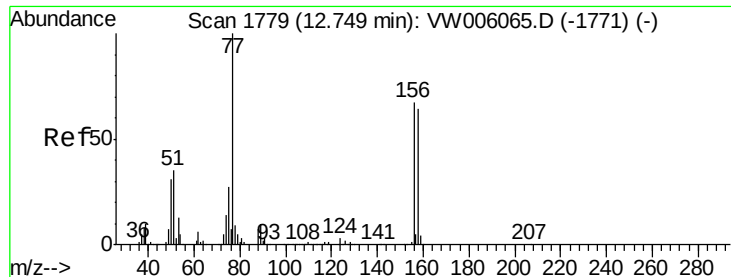


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#77

Bromobenzene

Concen: 5.30 ug/l

RT: 12.60 min Scan# 1755

Delta R.T. -0.15 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

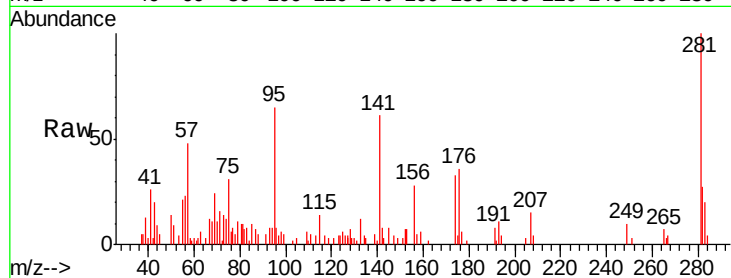
Tgt Ion: 156 Resp: 1696

Ion Ratio Lower Upper

156 100

77 9.6 79.1 237.4#

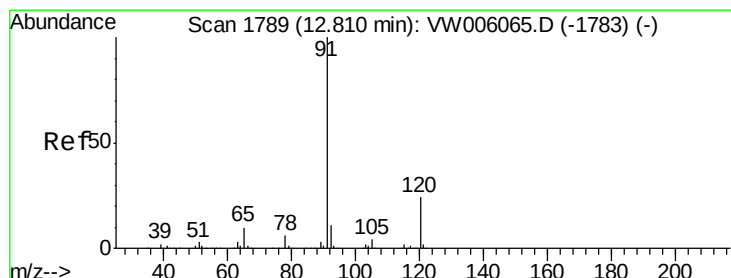
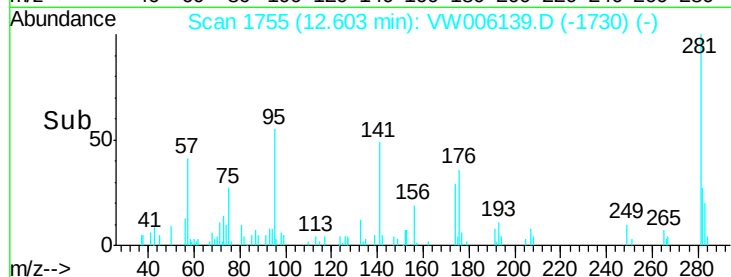
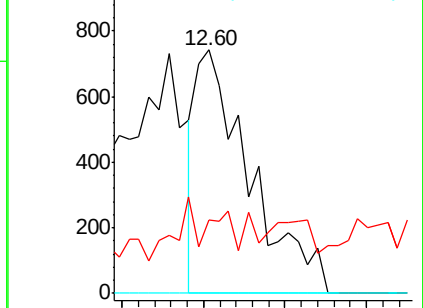
158 0.0 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.54 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006139.D

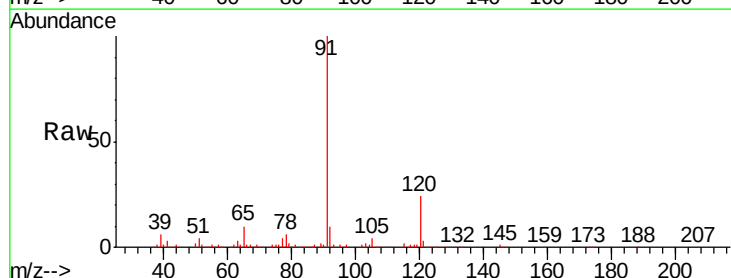
Acq: 17 Oct 2018 20:45

Tgt Ion: 91 Resp: 72313

Ion Ratio Lower Upper

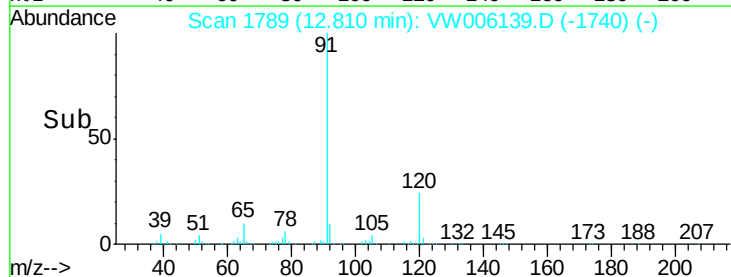
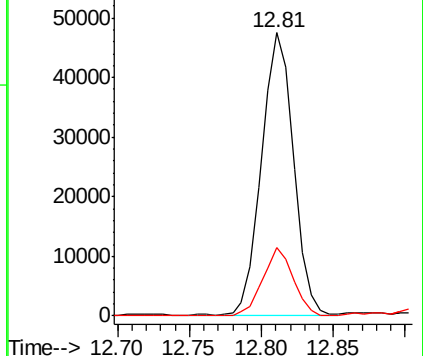
91 100

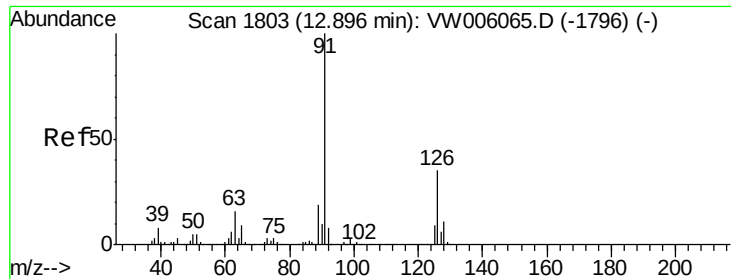
120 23.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 84.62 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

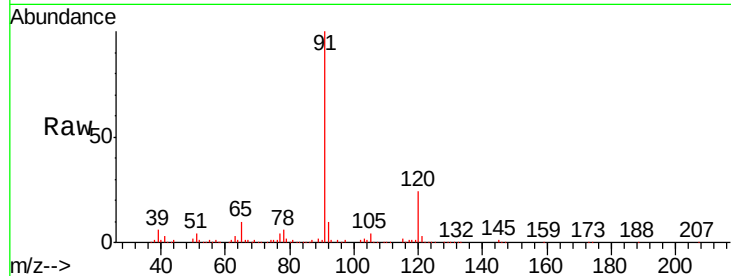
AOC1-01A

Tgt Ion: 91 Resp: 72313

Ion Ratio Lower Upper

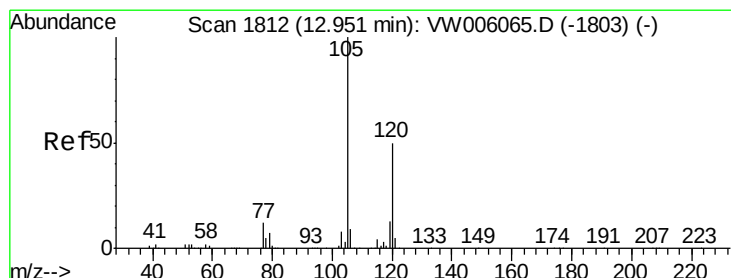
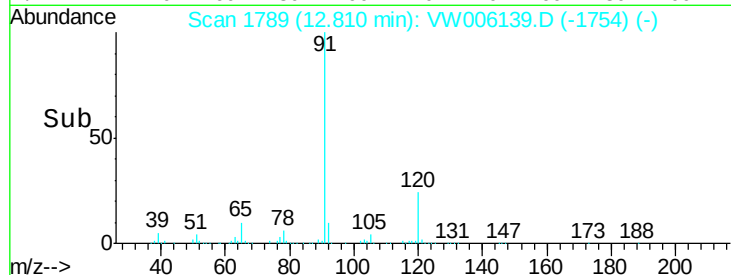
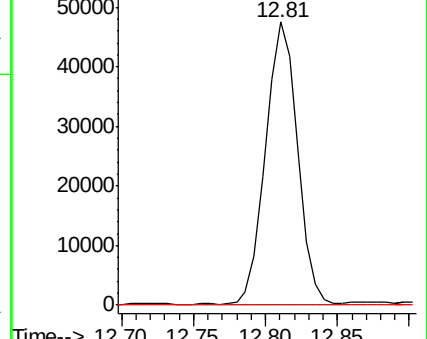
91 100

126 0.0 17.9 53.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.36 ug/l

RT: 12.91 min Scan# 1805

Delta R.T. -0.04 min

Lab File: VW006139.D

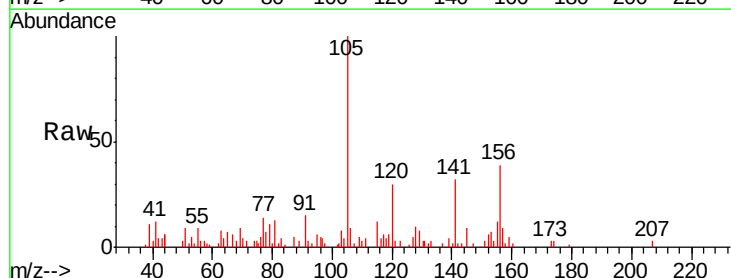
Acq: 17 Oct 2018 20:45

Tgt Ion: 105 Resp: 5904

Ion Ratio Lower Upper

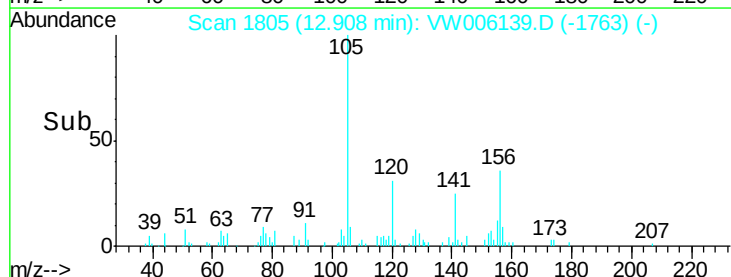
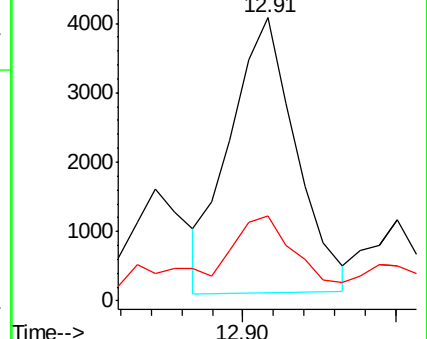
105 100

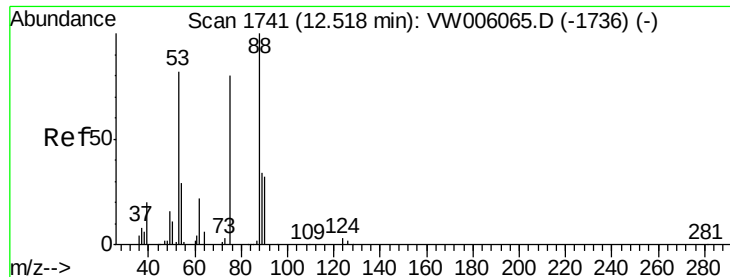
120 29.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 8.25 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

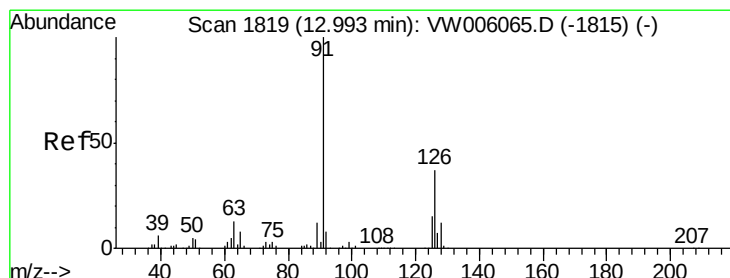
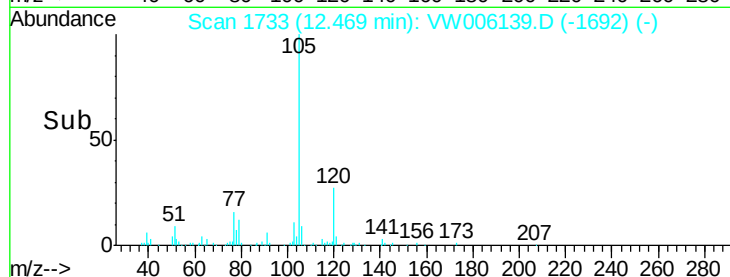
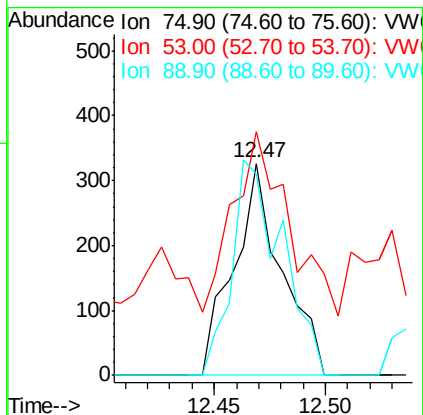
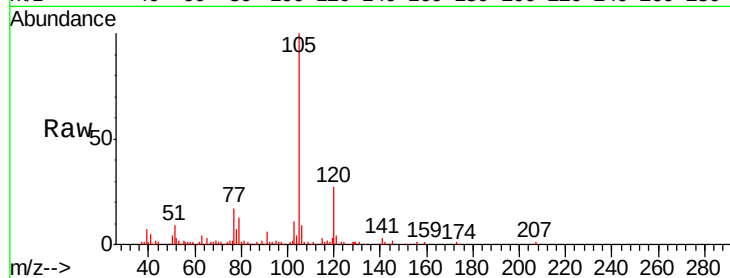
Tgt Ion: 75 Resp: 488

Ion Ratio Lower Upper

75 100

53 99.2 79.8 119.6

89 106.6 37.5 56.3#



#82

4-Chlorotoluene

Concen: 6.37 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. 0.12 min

Lab File: VW006139.D

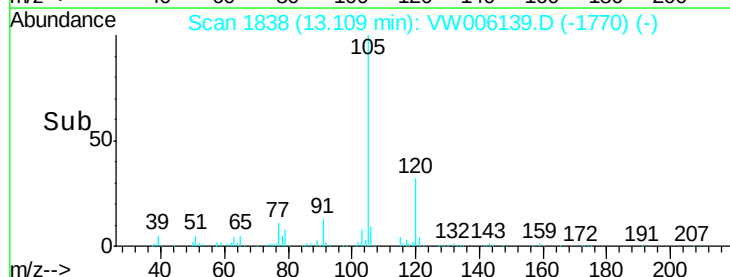
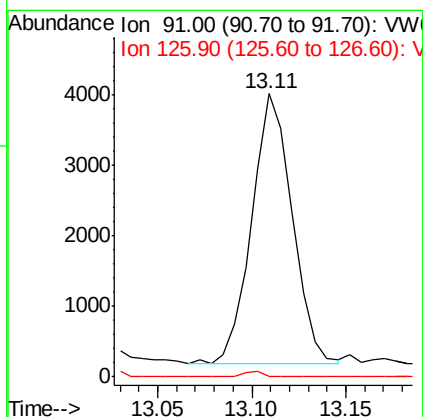
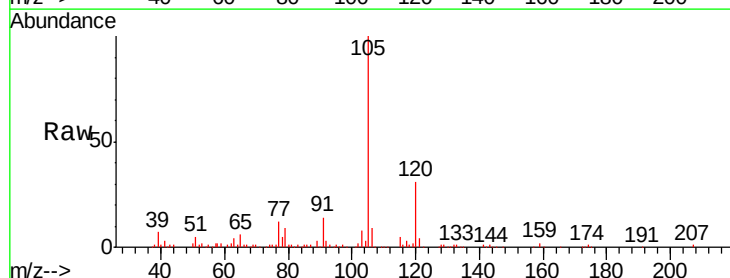
Acq: 17 Oct 2018 20:45

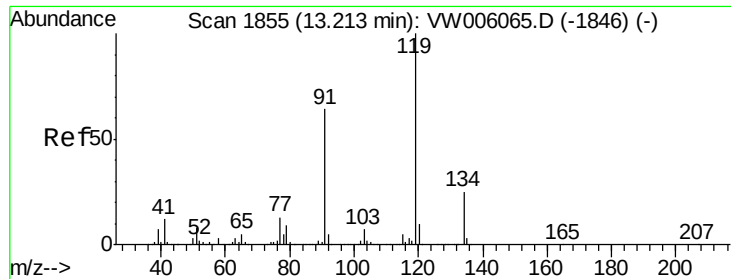
Tgt Ion: 91 Resp: 5706

Ion Ratio Lower Upper

91 100

126 0.9 18.1 54.3#





#83

tert-Butylbenzene

Concen: 1.57 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

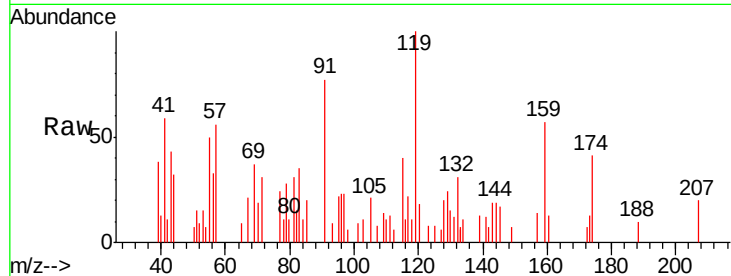
Tgt Ion:119 Resp: 1551

Ion Ratio Lower Upper

119 100

91 47.9 32.3 96.9

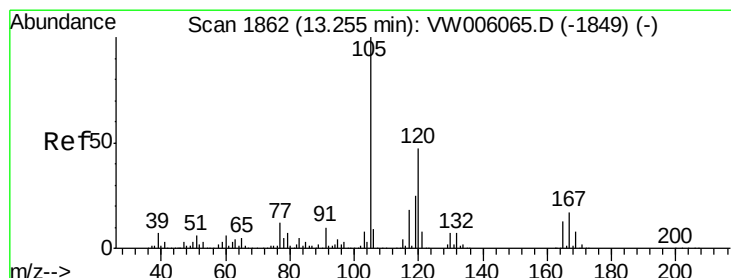
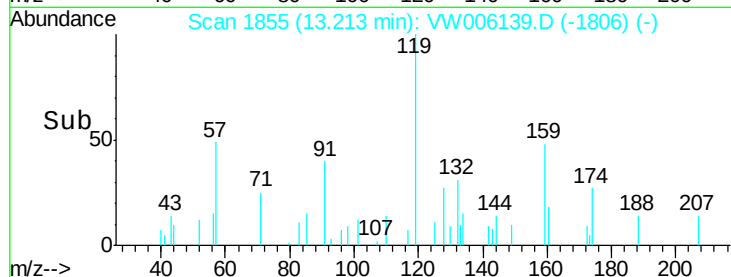
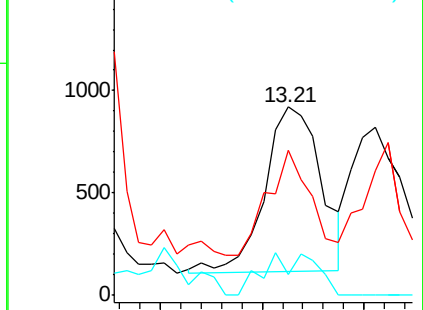
134 23.1 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.92 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006139.D

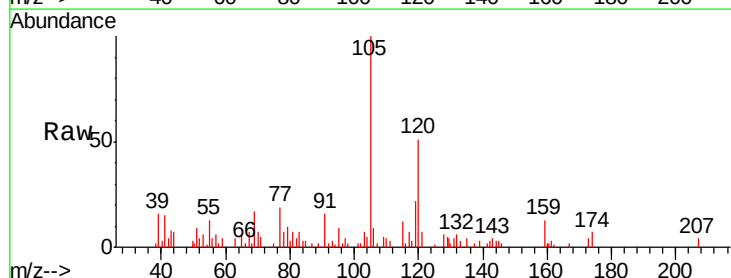
Acq: 17 Oct 2018 20:45

Tgt Ion:105 Resp: 5489

Ion Ratio Lower Upper

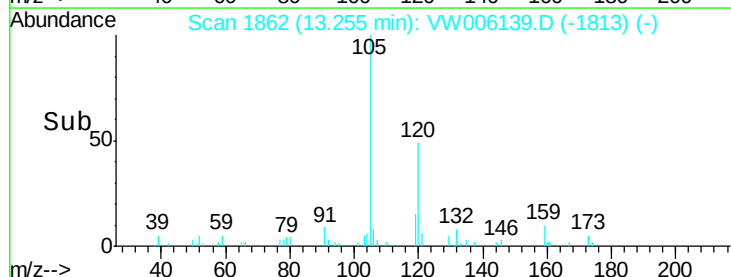
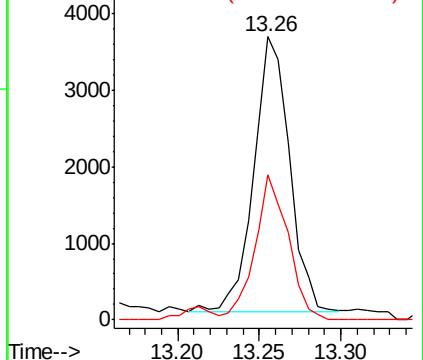
105 100

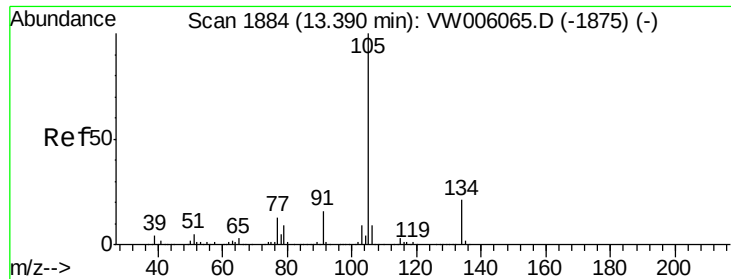
120 48.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.70 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

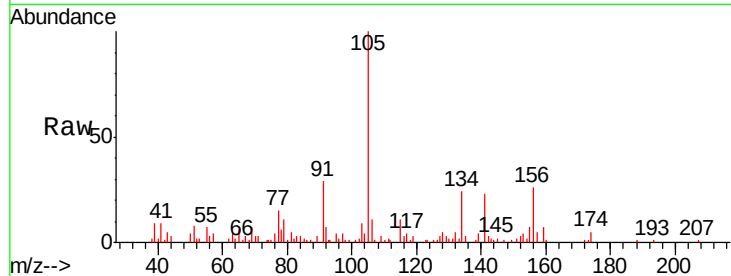
AOC1-01A

Tgt Ion:105 Resp: 13519

Ion Ratio Lower Upper

105 100

134 36.7 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

8000

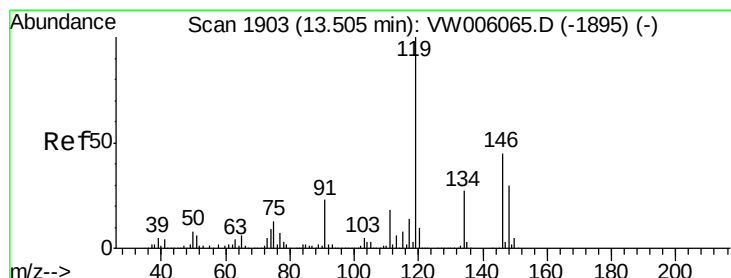
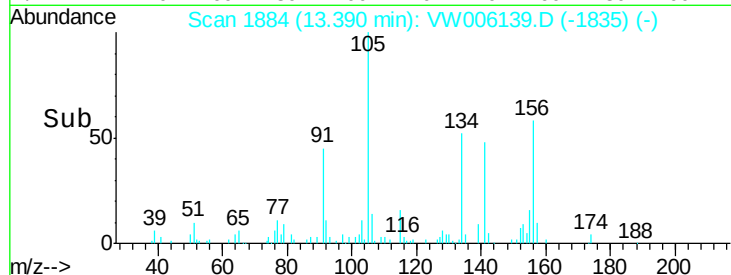
6000

4000

2000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 7.33 ug/l

RT: 13.66 min Scan# 1928

Delta R.T. 0.15 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

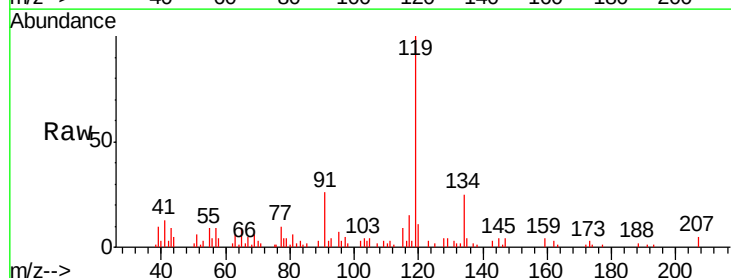
Tgt Ion:119 Resp: 9235

Ion Ratio Lower Upper

119 100

134 28.4 13.4 40.2

91 23.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

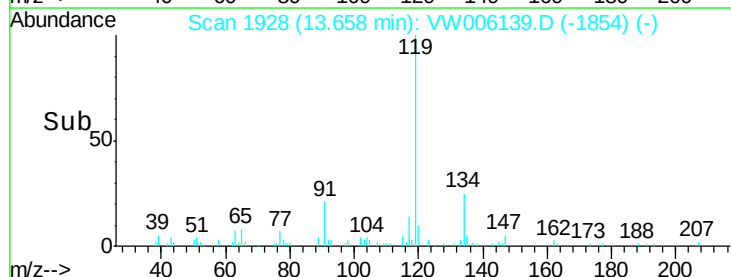
60000

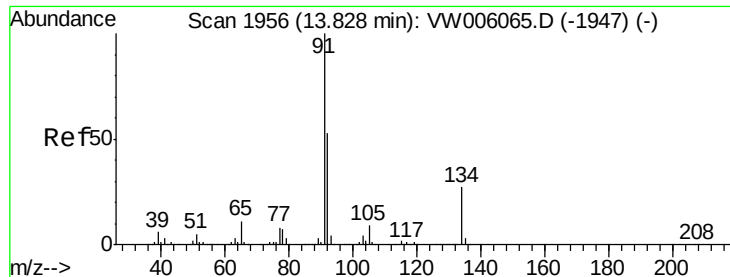
40000

20000

0

Time--> 13.60 13.65 13.70





#89

n-Butylbenzene

Concen: 16.13 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

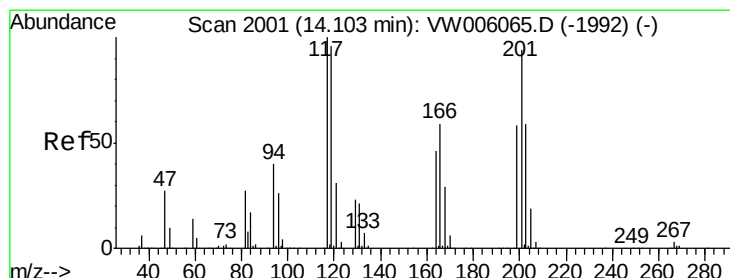
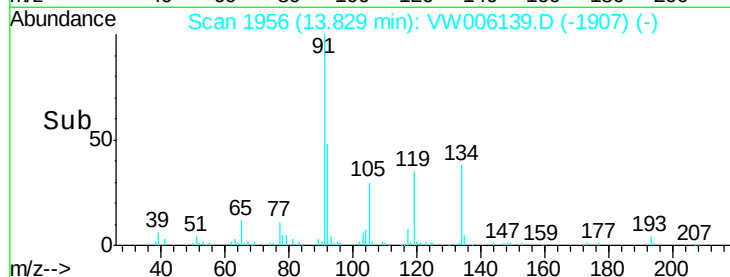
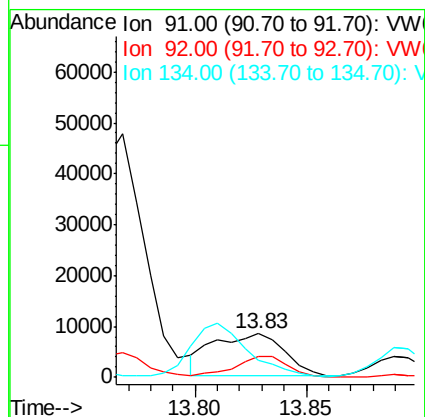
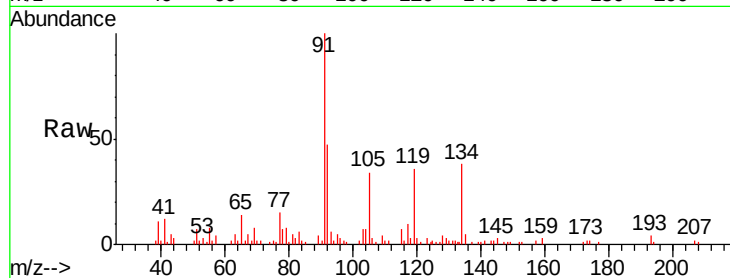
Tgt Ion: 91 Resp: 18588

Ion Ratio Lower Upper

91 100

92 35.9 26.6 79.7

134 0.0 14.0 41.9#



#90

Hexachloroethane

Concen: 218.20 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006139.D

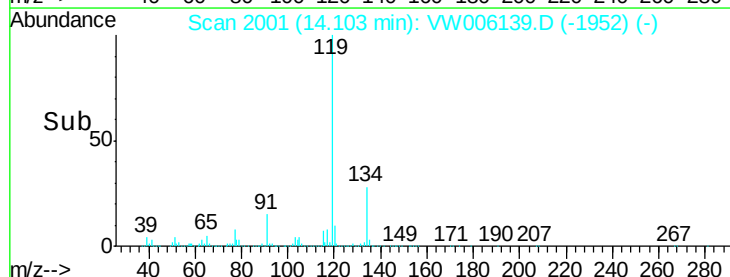
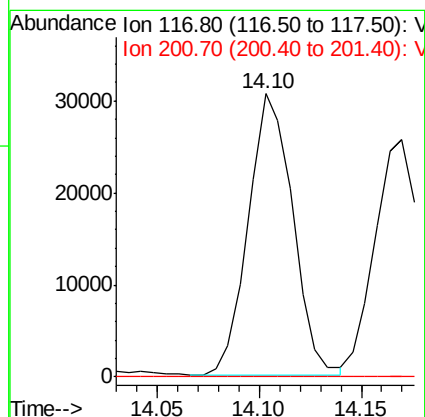
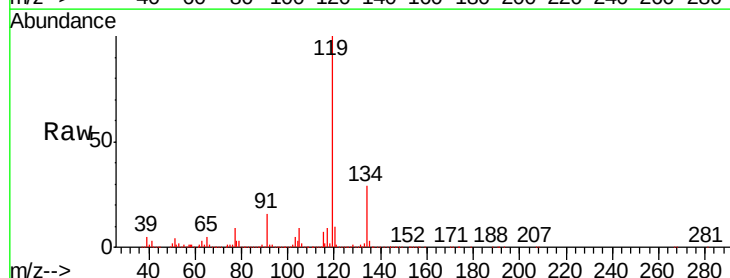
Acq: 17 Oct 2018 20:45

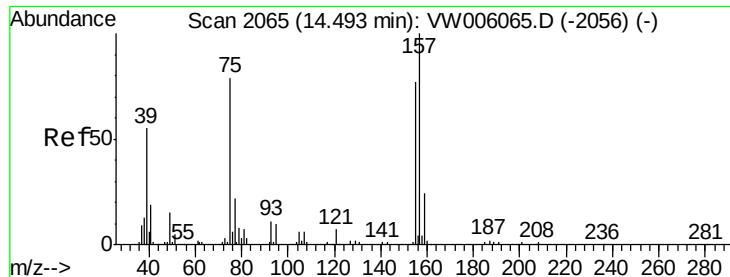
Tgt Ion: 117 Resp: 46570

Ion Ratio Lower Upper

117 100

201 0.0 45.3 135.9#

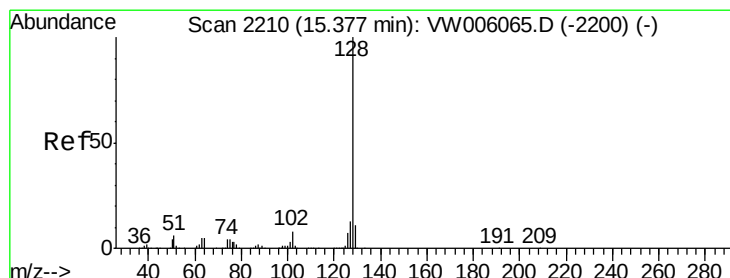
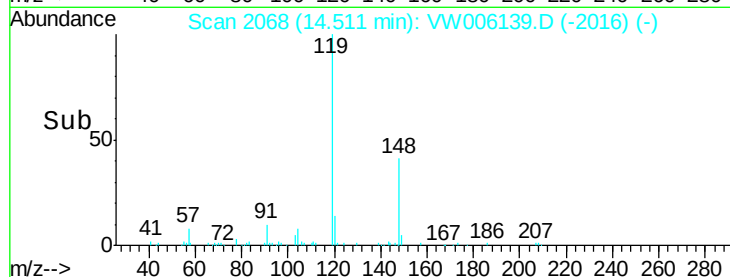
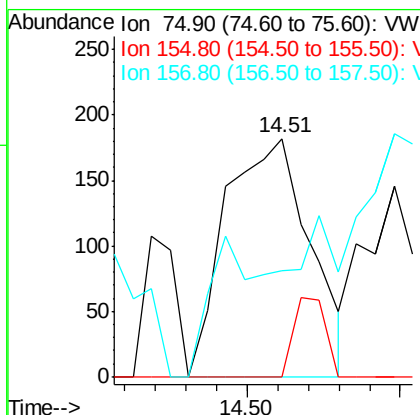
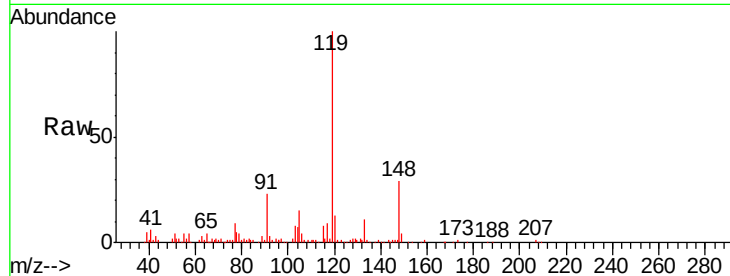




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.80 ug/l
 RT: 14.51 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tgt Ion: 75 Resp: 349
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.5 139.5#
 157 33.8 59.8 179.4#



#95
 Naphthalene
 Concen: 2.83 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion: 128 Resp: 2059
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

