

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV102918\
 Data File : VW006427.D
 Acq On : 27 Oct 2018 03:07
 Operator : SY/AP
 Sample : J5515-03RE
 Misc : 6.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

Quant Time: Oct 27 04:51:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	97515	62.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.82%	
35) Dibromofluoromethane	7.88	113	92927	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.33	98	337270	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	125660	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.21	59	1335	12.704	ug/l #	71
13) Acrolein	3.90	56	208	2.045	ug/l #	16
15) Acrylonitrile	5.43	53	6340	20.824	ug/l #	41
16) Acetone	4.14	43	15607	40.855	ug/l	96
18) Methyl Acetate	4.95	43	140325	178.452	ug/l #	49
20) Methylene Chloride	4.91	84	9514	4.266	ug/l #	86
25) 2-Butanone	7.17	43	7987	18.921	ug/l #	75
26) 2,2-Dichloropropane	7.15	77	2192	1.082	ug/l #	69
29) Tetrahydrofuran	7.54	42	541	2.085	ug/l #	37
30) Chloroform	7.62	83	15939	5.095	ug/l #	17
31) Cyclohexane	7.95	56	257798	90.162	ug/l	98
36) 1,1-Dichloropropene	7.95	75	12520	4.465	ug/l #	74
37) Ethyl Acetate	7.17	43	7987	7.666	ug/l #	87
38) Carbon Tetrachloride	7.95	117	16862	5.485	ug/l #	17
39) Methylcyclohexane	9.34	83	469757	126.018	ug/l	97
40) Benzene	8.32	78	78983	10.268	ug/l	97
41) Methacrylonitrile	7.52	41	4299	6.844	ug/l #	49
43) Isopropyl Acetate	8.42	43	39954	18.755	ug/l #	50
45) 1,2-Dichloropropane	9.34	63	6112	3.320	ug/l #	1
47) Bromodichloromethane	9.63	83	20029	7.874	ug/l #	25
48) Methyl methacrylate	9.47	41	11939	11.823	ug/l #	10
51) 4-Methyl-2-Pentanone	10.25	43	19961	18.701	ug/l #	81
52) Toluene	10.39	92	5943	1.152	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	74907	51.021	ug/l #	23
56) Ethyl methacrylate	10.67	69	19204	10.670	ug/l #	32
59) 2-Hexanone	10.94	43	22555	29.602	ug/l #	30
60) Dibromochloromethane	11.18	129	45152	24.690	ug/l #	16
67) Ethyl Benzene	11.74	91	42653	4.336	ug/l	95
68) m/p-Xylenes	11.85	106	32791	8.434	ug/l	98
69) o-Xylene	12.17	106	8034	2.168	ug/l	92
71) Bromoform	12.11	173	4089	3.634	ug/l #	29
73) Isopropylbenzene	12.47	105	727886	97.361	ug/l	100
74) N-amyl acetate	12.26	43	12550	8.643	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.71	83	146206	128.579	ug/l #	30

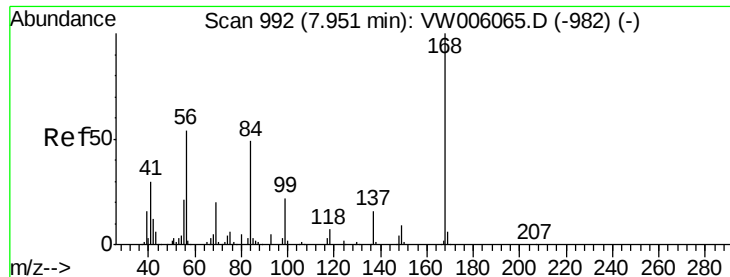
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	12.81	75	12448	15.400	ug/l #	100
77) Bromobenzene	12.93	156	1308507	714.581	ug/l #	1
78) n-propylbenzene	12.81	91	1924344	221.243	ug/l	99
79) 2-Chlorotoluene	12.81	91	1924344	393.769	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.90	105	69503	11.028	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.47	75	22078	65.293	ug/l #	30
82) 4-Chlorotoluene	12.81	91	1924344	375.902	ug/l #	39
83) tert-Butylbenzene	13.21	119	28609	5.074	ug/l #	52
84) 1,2,4-Trimethylbenzene	13.26	105	12534	1.965	ug/l	91
85) sec-Butylbenzene	13.39	105	257955	32.381	ug/l #	59
86) p-Isopropyltoluene	13.66	119	49957	6.933	ug/l	91
89) n-Butylbenzene	13.83	91	335803	50.959	ug/l #	80
90) Hexachloroethane	14.10	117	174472	142.951	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.50	75	952	4.676	ug/l #	1
95) Naphthalene	15.38	128	10448	2.511	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

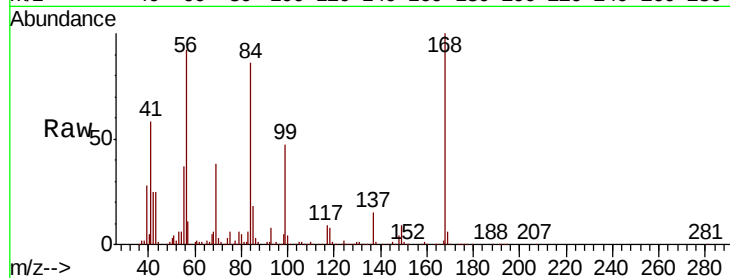
AOC1-03ARE

Tgt Ion:168 Resp: 188474

Ion Ratio Lower Upper

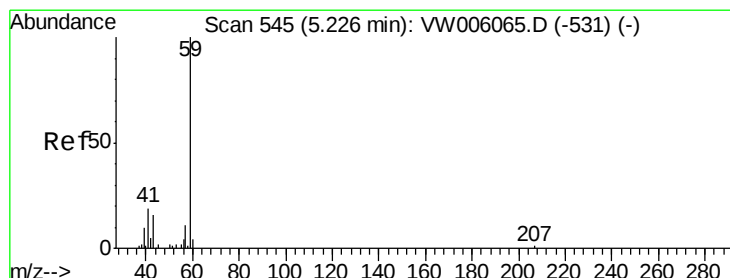
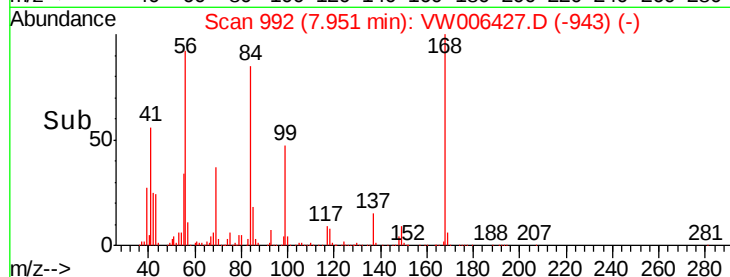
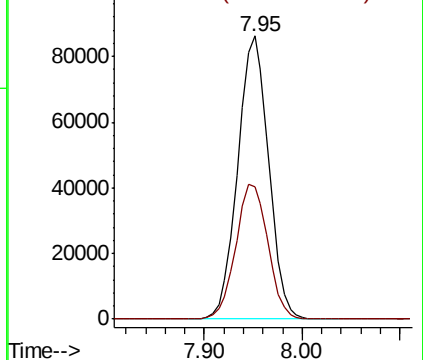
168 100

99 46.8 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: 12.704 ug/l

RT: 5.21 min Scan# 542

Delta R.T. -0.02 min

Lab File: VW006427.D

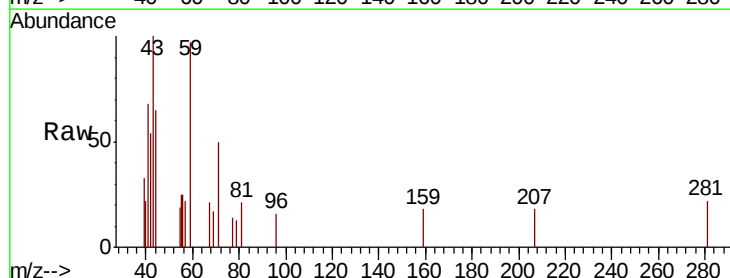
Acq: 27 Oct 2018 03:07

Tgt Ion: 59 Resp: 1335

Ion Ratio Lower Upper

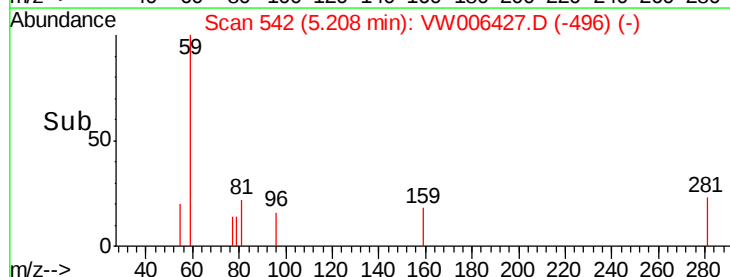
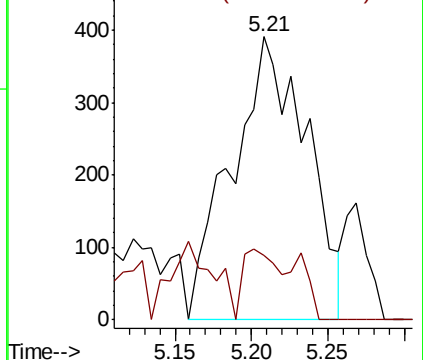
59 100

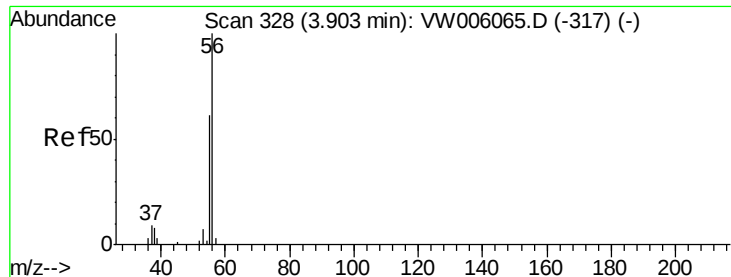
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.045 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

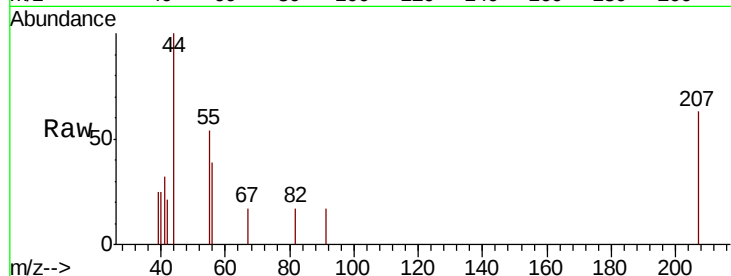
AOC1-03ARE

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

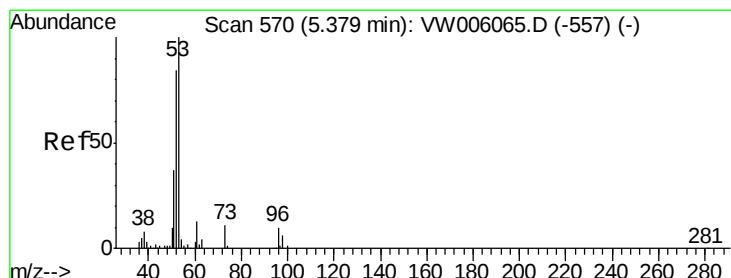
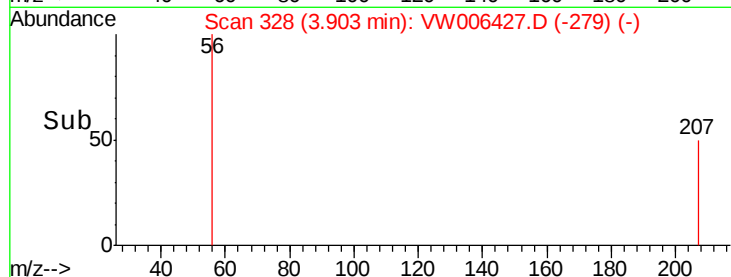
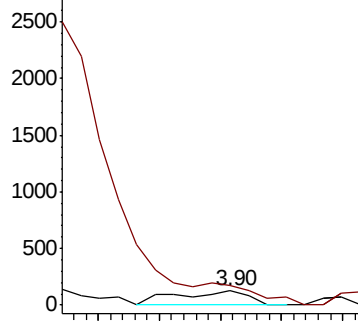
56 100

55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#15

Acrylonitrile

Concen: 20.824 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.05 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

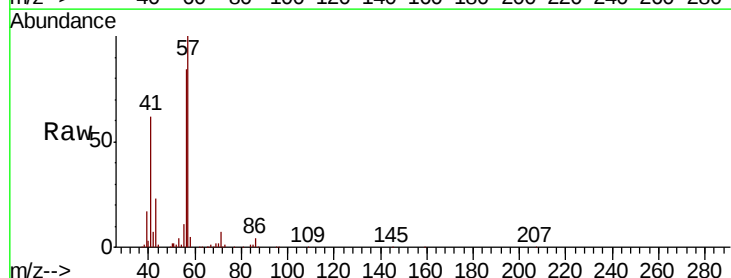
Tgt Ion: 53 Resp: 6340

Ion Ratio Lower Upper

53 100

52 23.5 66.9 100.3#

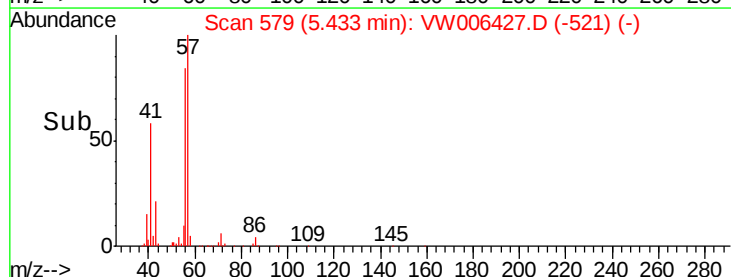
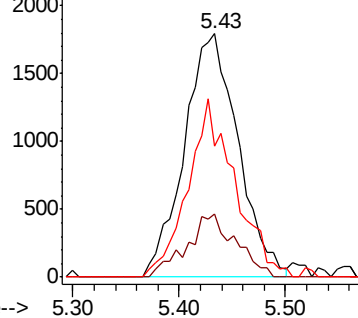
51 63.8 30.1 45.1#

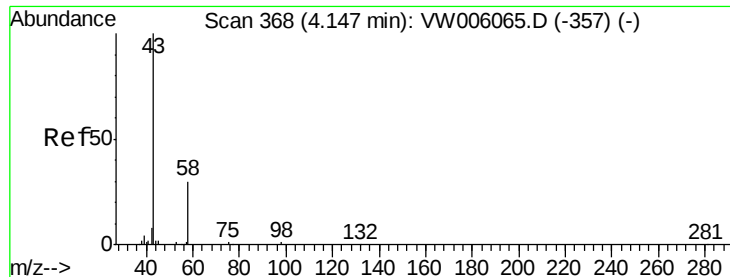


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

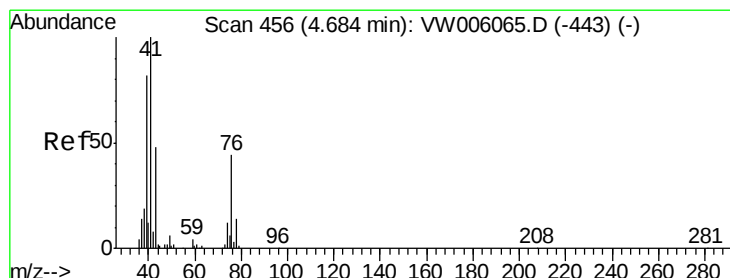
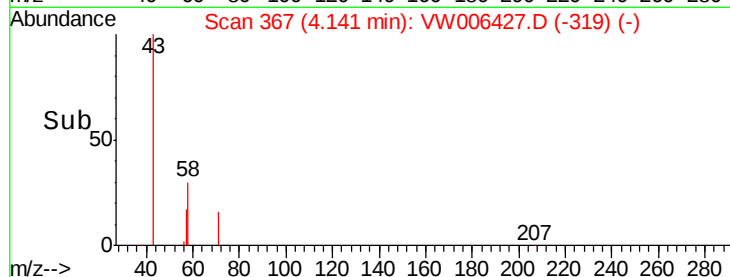
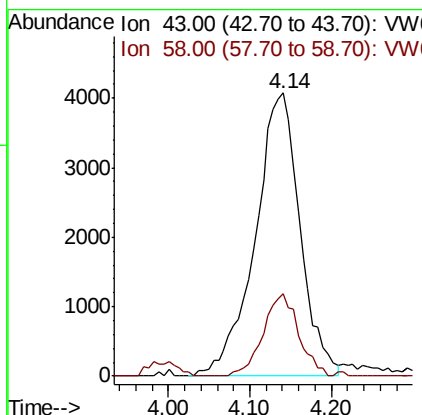
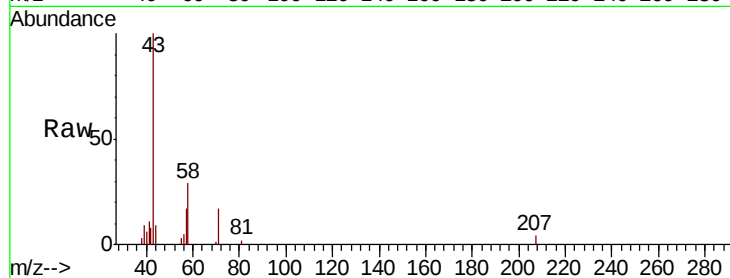




#16
Acetone
Concen: 40.855 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.01 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

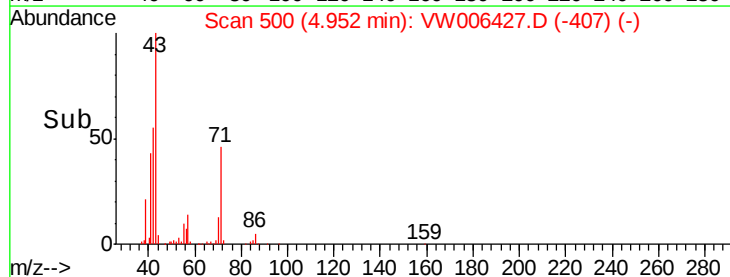
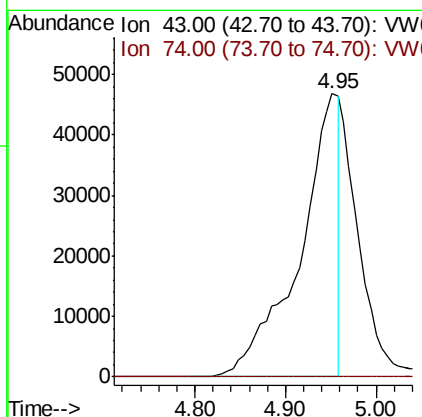
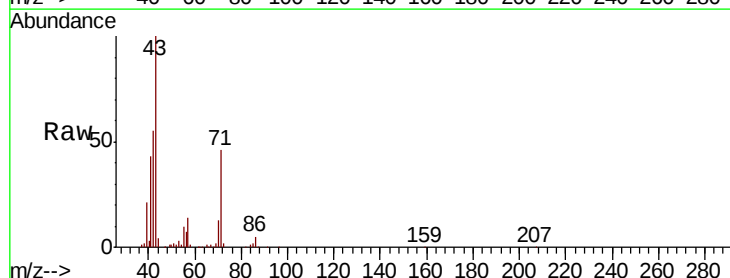
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

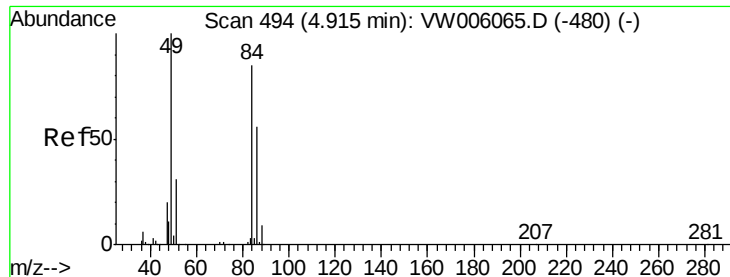
Tgt Ion: 43 Resp: 15607
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0



#18
Methyl Acetate
Concen: 178.452 ug/l
RT: 4.95 min Scan# 500
Delta R.T. 0.27 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 43 Resp: 140325
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#





#20

Methylene Chloride

Concen: 4.266 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

AOC1-03ARE

Tgt Ion: 84 Resp: 9514

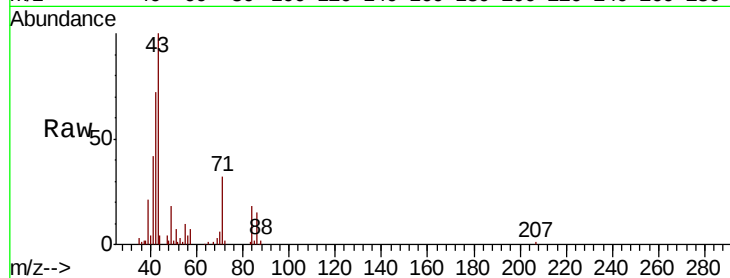
Ion Ratio Lower Upper

84 100

49 102.6 93.6 140.4

51 40.4 29.0 43.4

86 79.9 52.6 79.0#



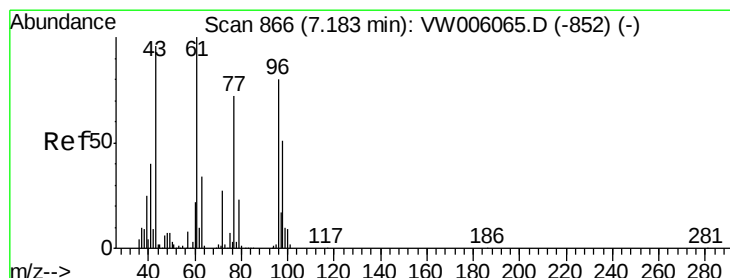
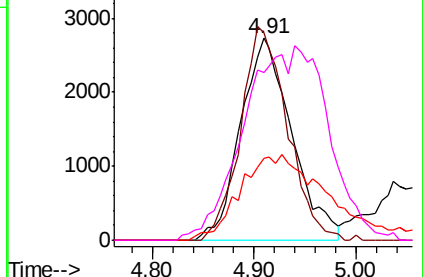
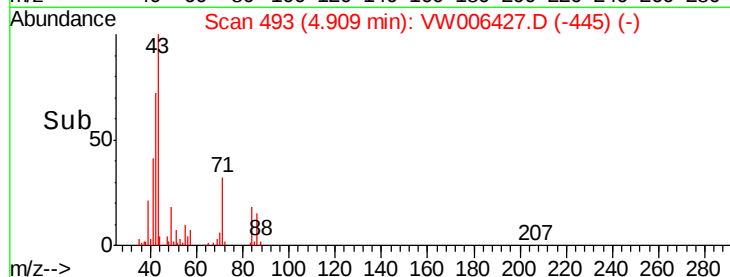
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

Time-->



#25

2-Butanone

Concen: 18.921 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006427.D

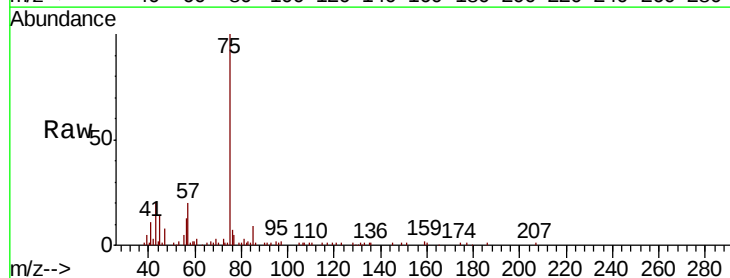
Acq: 27 Oct 2018 03:07

Tgt Ion: 43 Resp: 7987

Ion Ratio Lower Upper

43 100

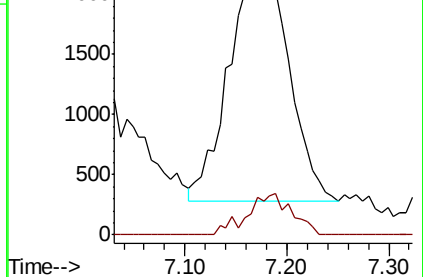
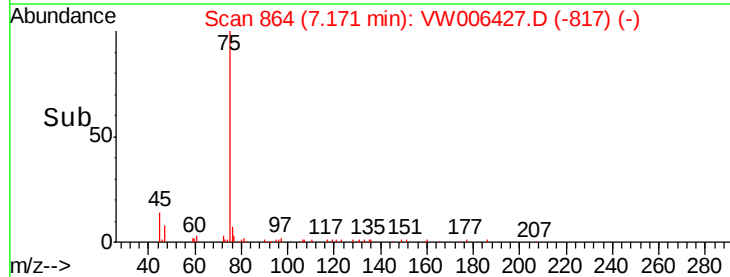
72 15.2 22.8 34.2#

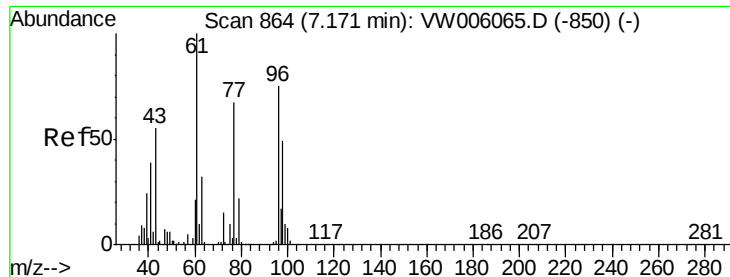


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

Time-->





#26

2,2-Dichloropropane

Concen: 1.082 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

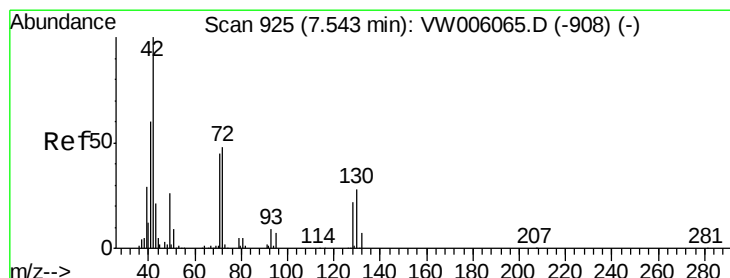
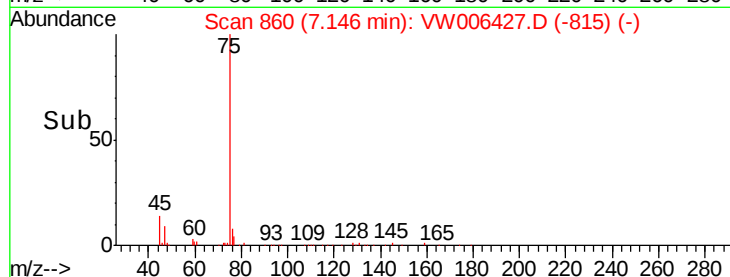
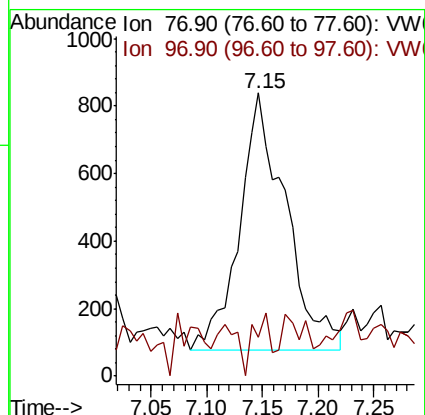
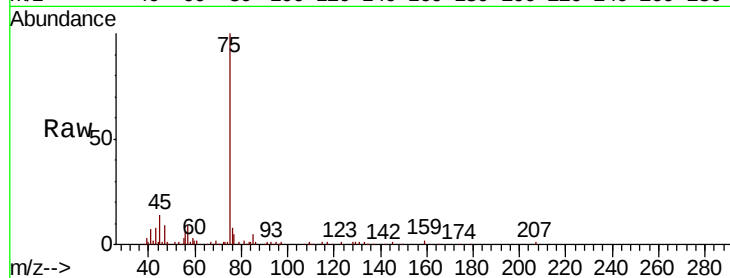
AOC1-03ARE

Tgt Ion: 77 Resp: 2192

Ion Ratio Lower Upper

77 100

97 8.8 12.2 36.4#



#29

Tetrahydrofuran

Concen: 2.085 ug/l

RT: 7.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

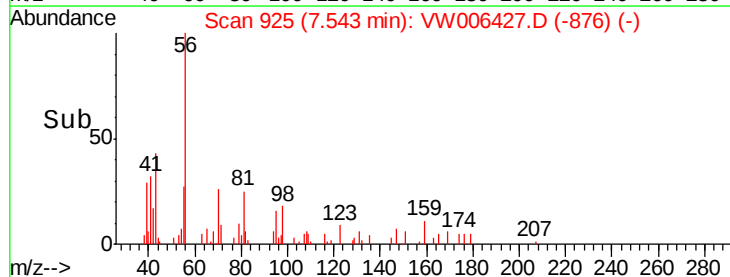
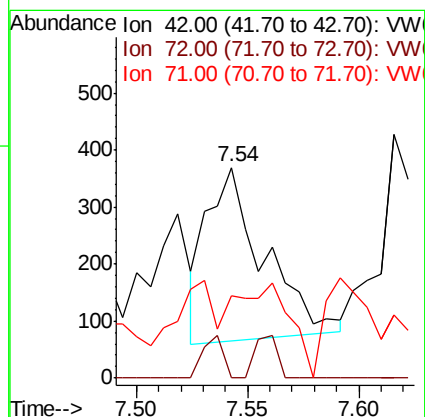
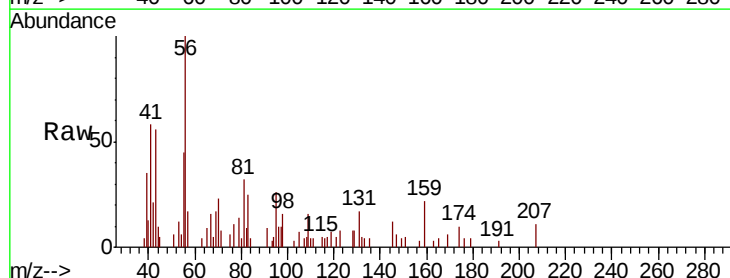
Tgt Ion: 42 Resp: 541

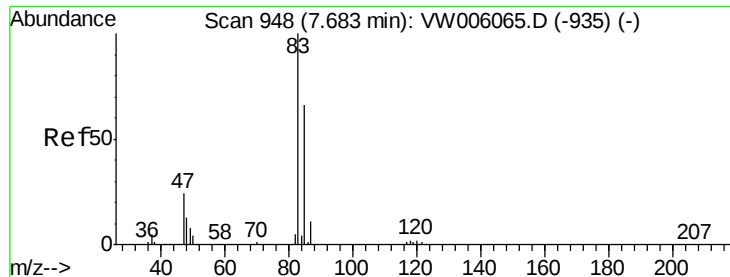
Ion Ratio Lower Upper

42 100

72 8.7 38.0 57.0#

71 0.0 35.3 52.9#

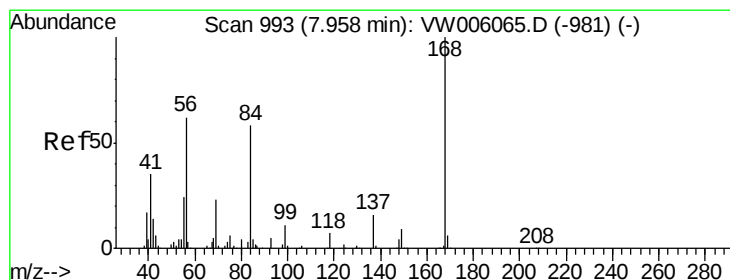
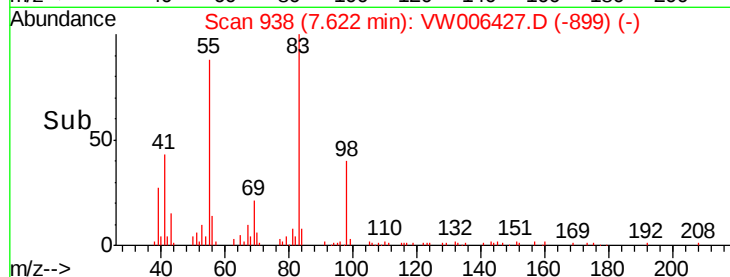
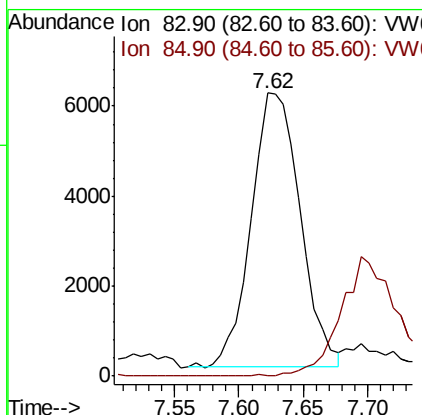
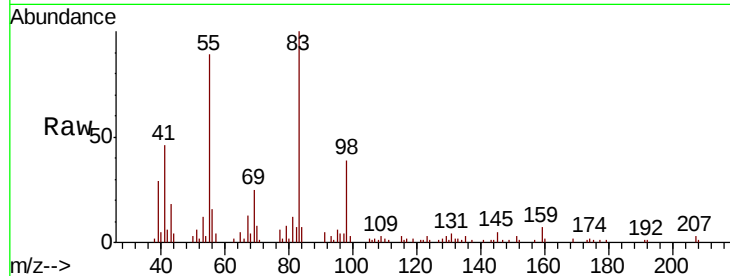




#30
Chloroform
Concen: 5.095 ug/l
RT: 7.62 min Scan# 938
Delta R.T. -0.06 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

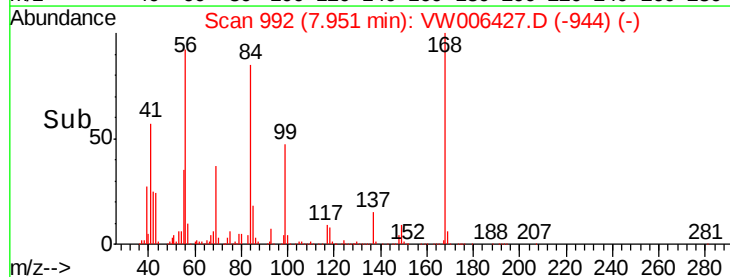
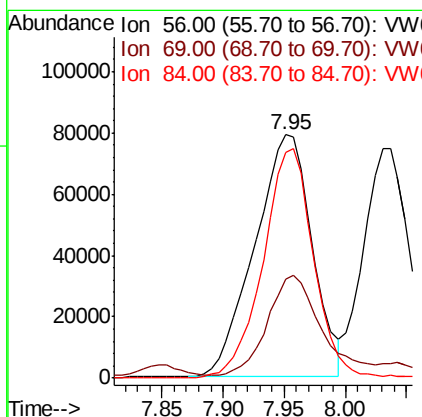
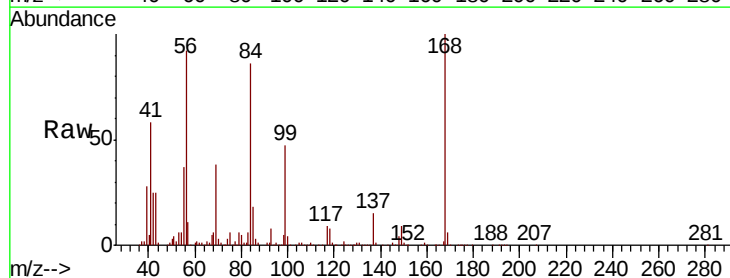
Instrument :
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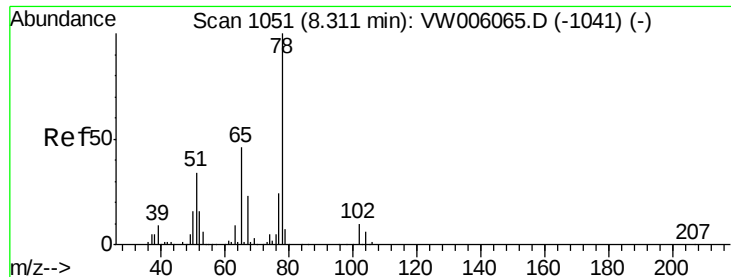
Tgt Ion: 83 Resp: 15939
Ion Ratio Lower Upper
83 100
85 0.0 52.6 79.0#



#31
Cyclohexane
Concen: 90.162 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 56 Resp: 257798
Ion Ratio Lower Upper
56 100
69 38.7 29.4 44.0
84 93.3 74.0 111.0

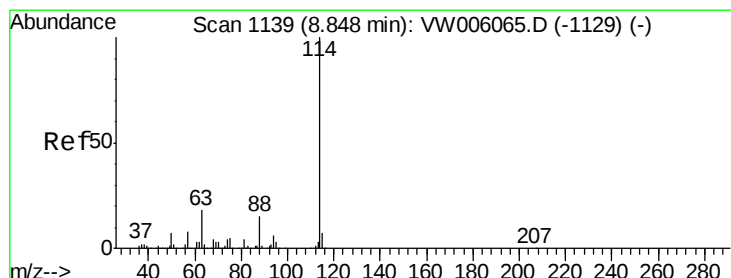
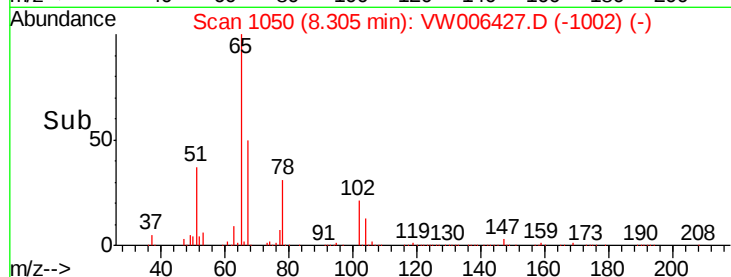
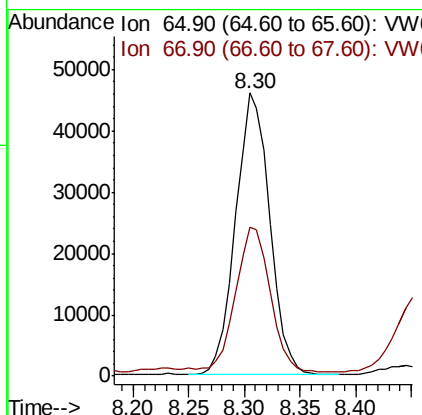
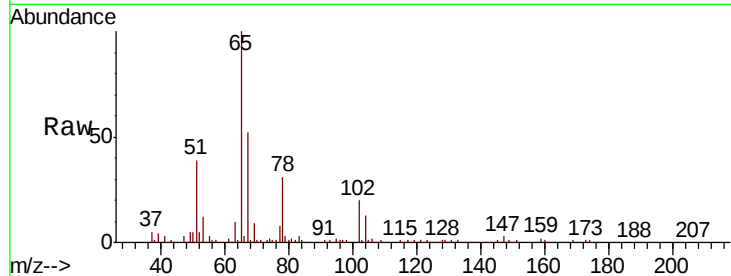




#33
 1,2-Dichloroethane-d4
 Concen: 62.408 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

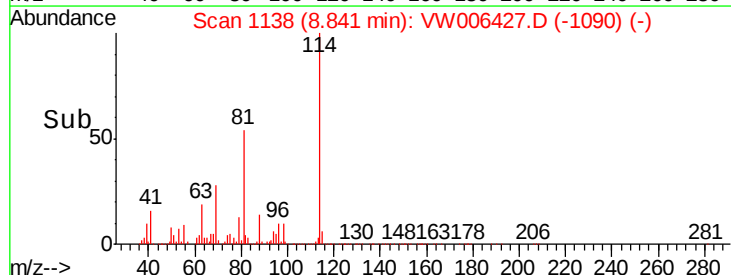
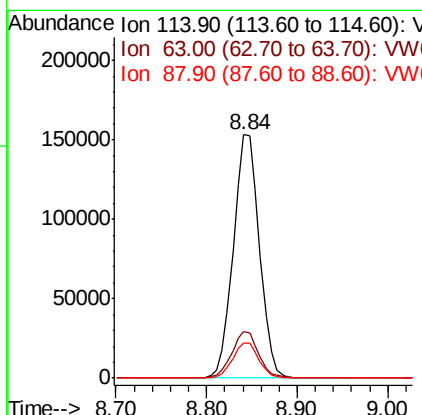
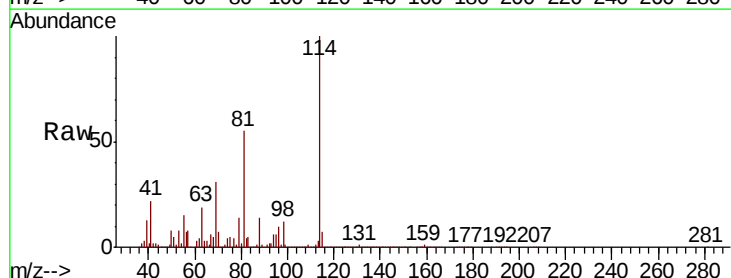
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

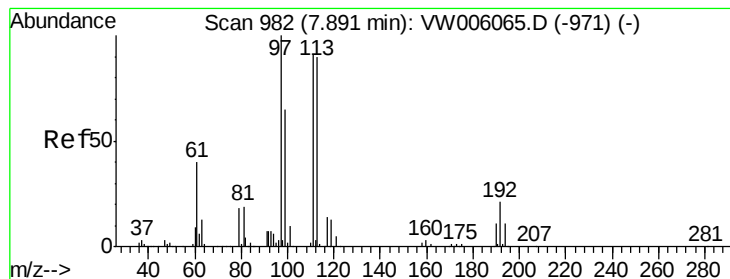
Tgt Ion: 65 Resp: 97515
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Tgt Ion: 114 Resp: 304248
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.8
 88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.690 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

AOC1-03ARE

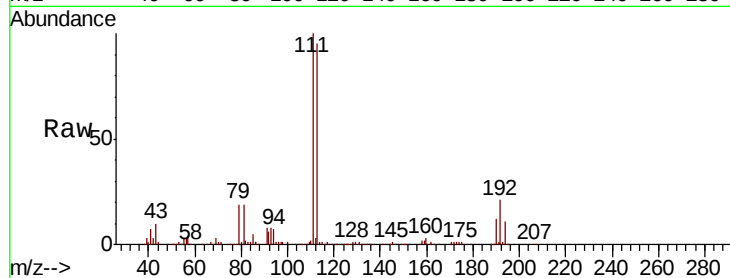
Tgt Ion:113 Resp: 92927

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

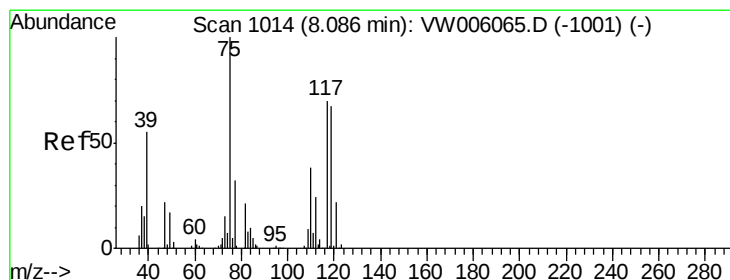
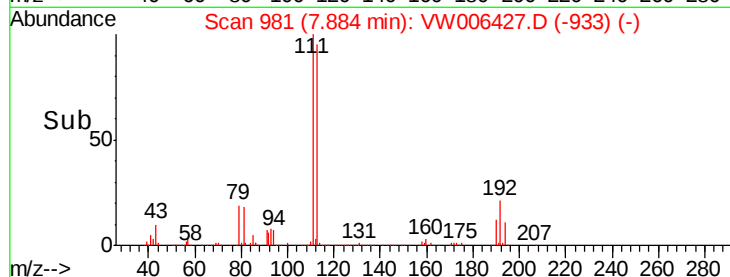
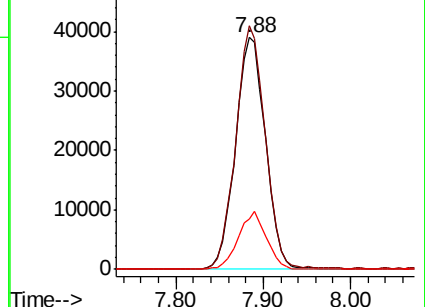
192 23.4 18.7 28.1



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: 4.465 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

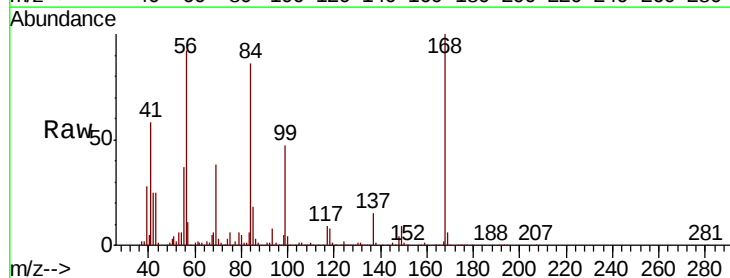
Tgt Ion: 75 Resp: 12520

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

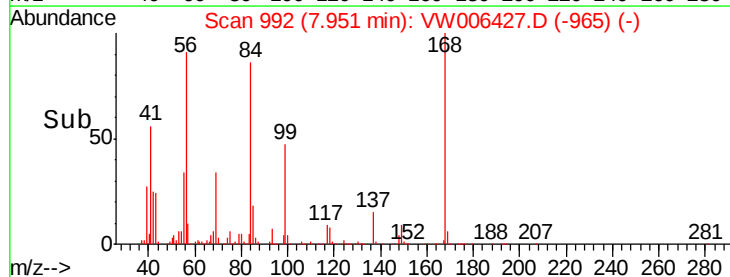
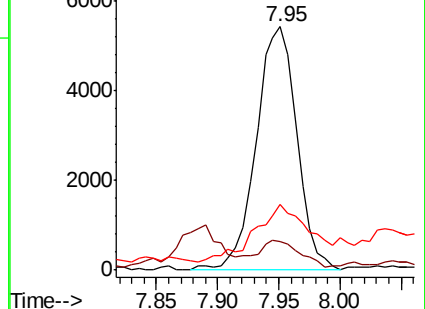
77 31.5 25.0 37.4

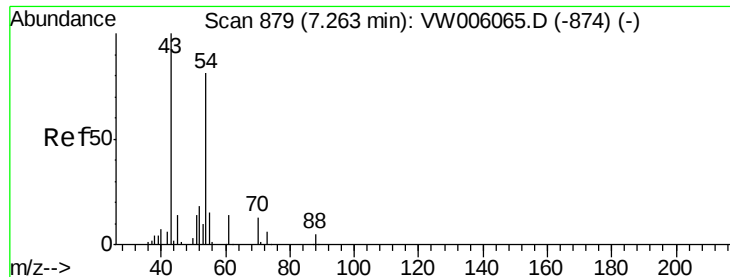


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

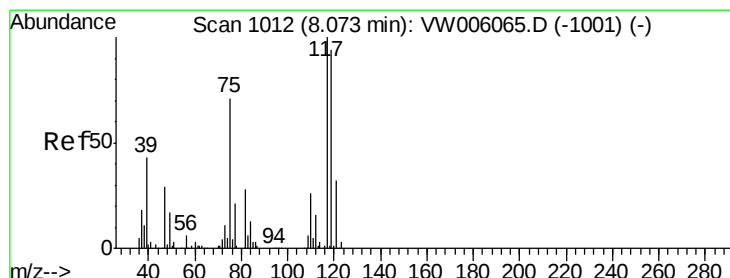
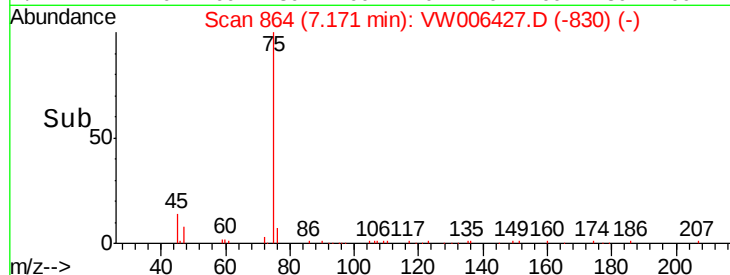
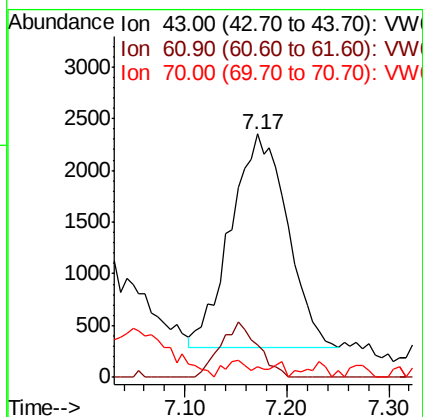
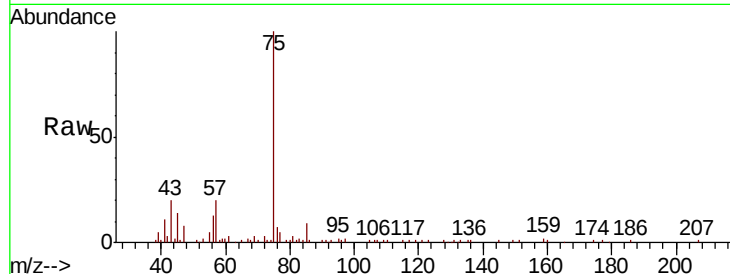




#37
Ethyl Acetate
Concen: 7.666 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

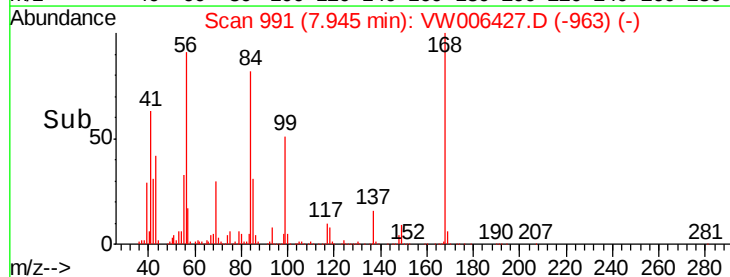
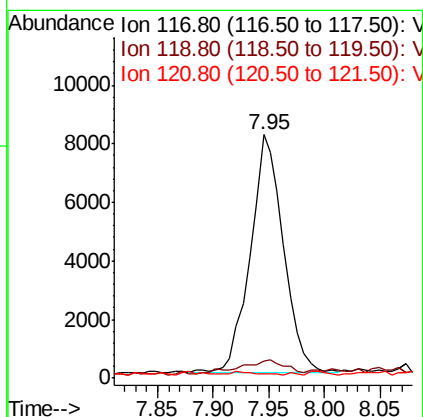
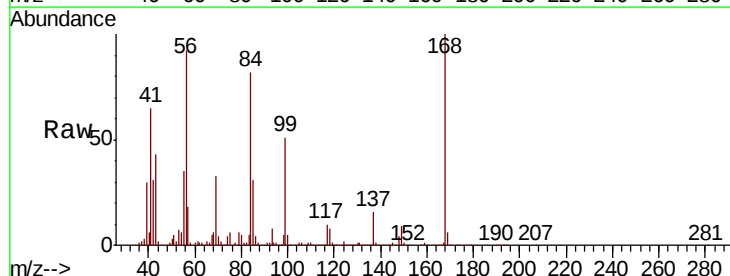
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

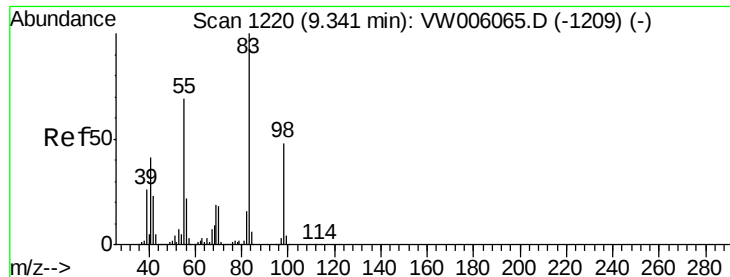
Tgt Ion: 43 Resp: 7987
Ion Ratio Lower Upper
43 100
61 17.1 11.5 17.3
70 3.1 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 117 Resp: 16862
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.2 25.3 37.9#

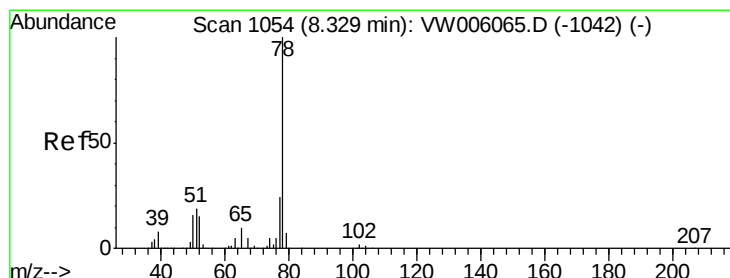
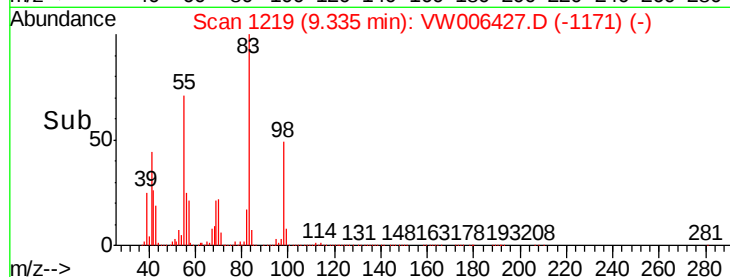
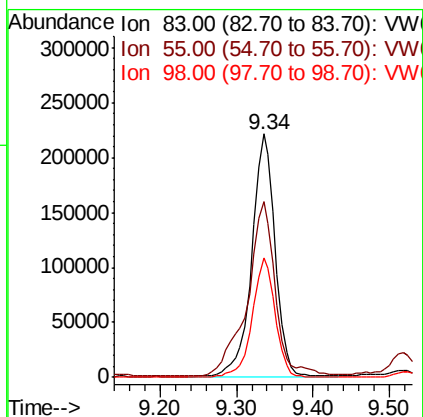
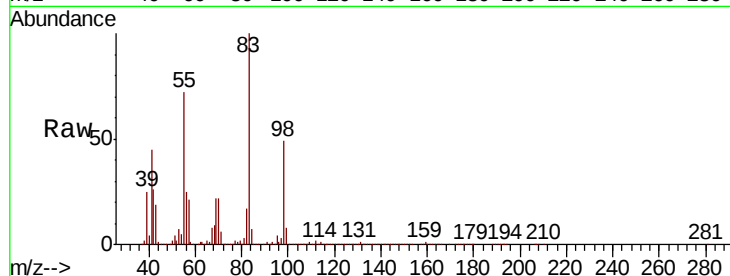




#39
Methylcyclohexane
Concen: 126.018 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

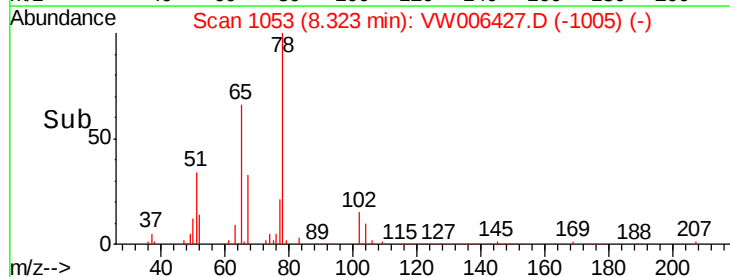
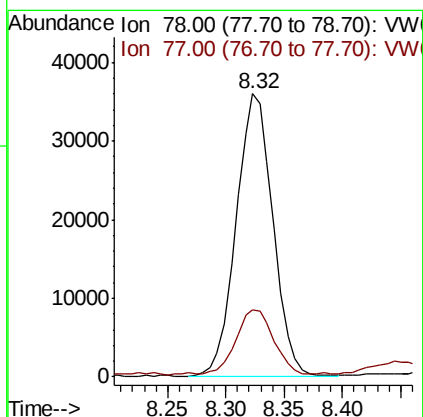
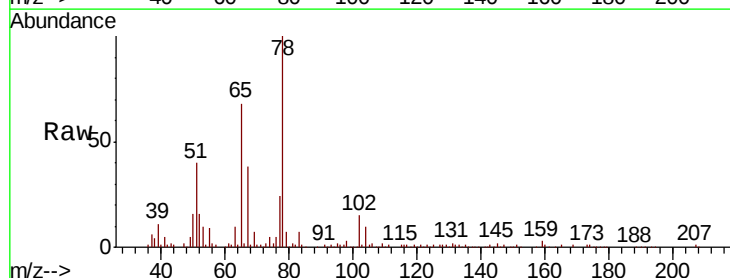
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

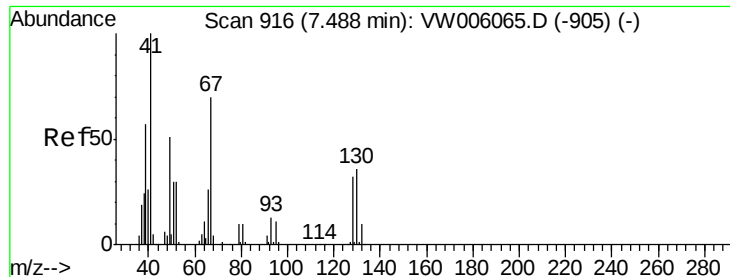
Tgt Ion: 83 Resp: 469757
Ion Ratio Lower Upper
83 100
55 71.5 55.0 82.6
98 49.3 38.6 57.8



#40
Benzene
Concen: 10.268 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 78 Resp: 78983
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0





#41

Methacrylonitrile

Concen: 6.844 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampled :

AOC1-03ARE

Tgt Ion: 41 Resp: 4299

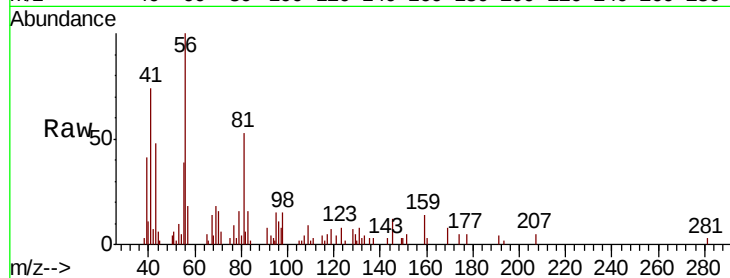
Ion Ratio Lower Upper

41 100

39 65.9 46.2 69.4

67 0.0 57.7 86.5#

52 5.8 24.7 37.1#

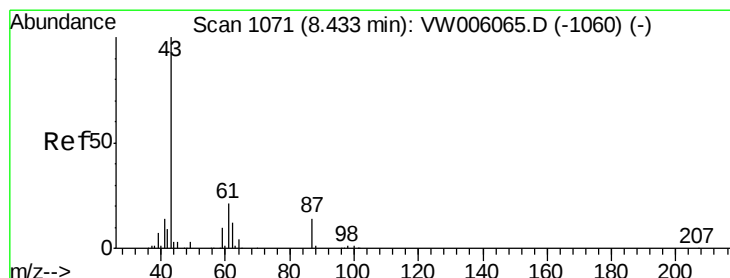
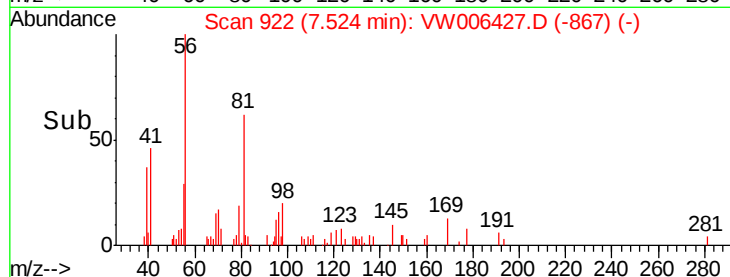
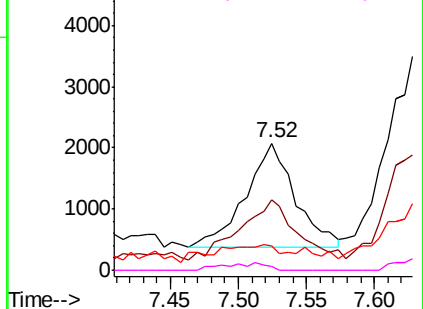


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#43

Isopropyl Acetate

Concen: 18.755 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

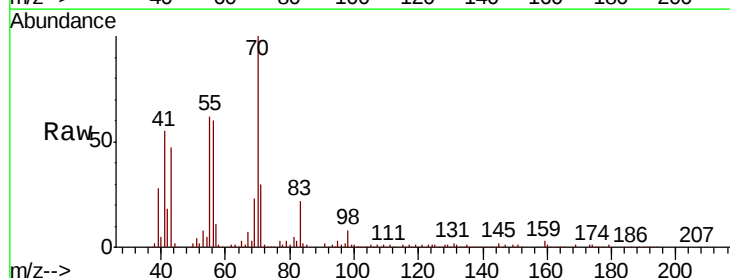
Tgt Ion: 43 Resp: 39954

Ion Ratio Lower Upper

43 100

61 0.7 25.5 38.3#

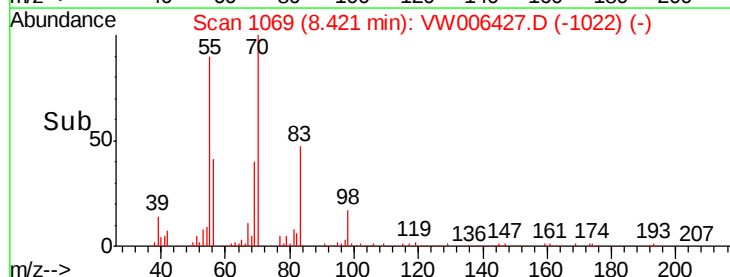
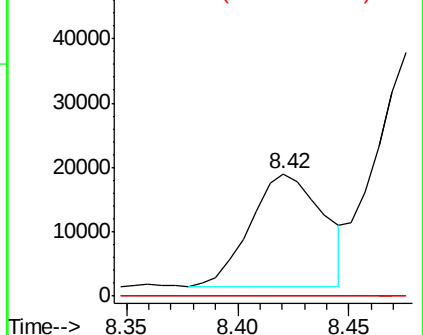
87 0.0 11.7 17.5#

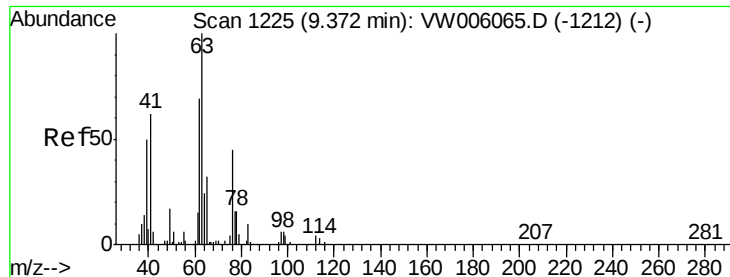


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#45

1,2-Dichloropropane

Concen: 3.320 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.04 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampled :

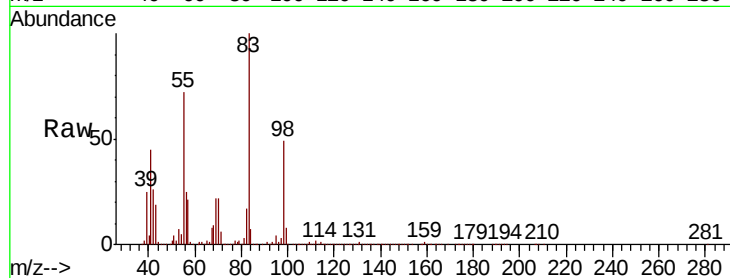
AOC1-03ARE

Tgt Ion: 63 Resp: 6112

Ion Ratio Lower Upper

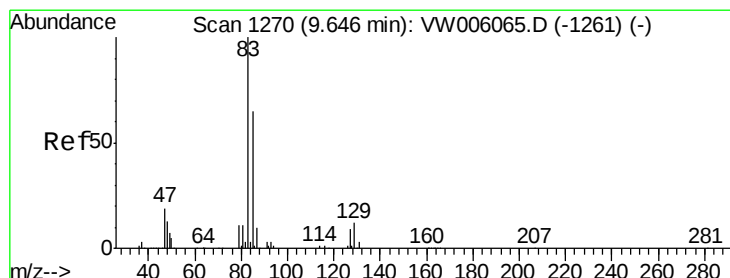
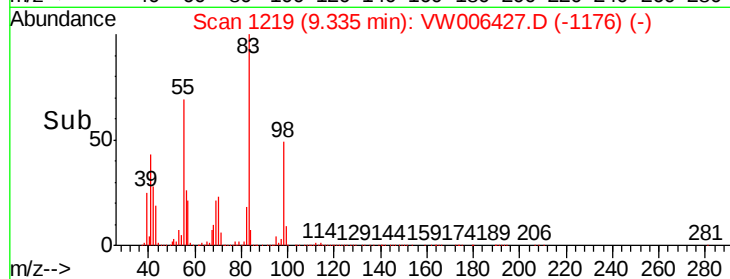
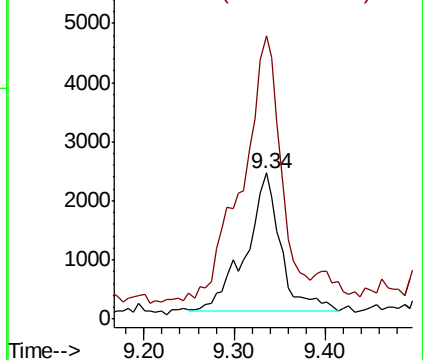
63 100

65 186.9 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#47

Bromodichloromethane

Concen: 7.874 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

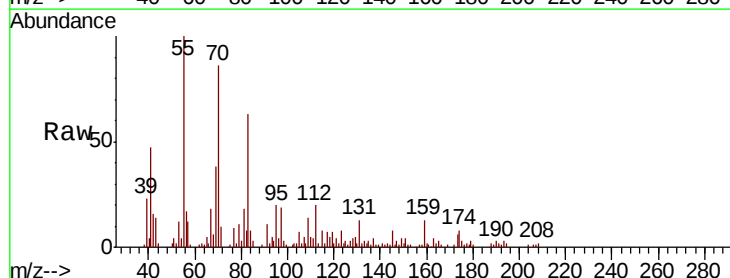
Tgt Ion: 83 Resp: 20029

Ion Ratio Lower Upper

83 100

85 0.1 51.8 77.8#

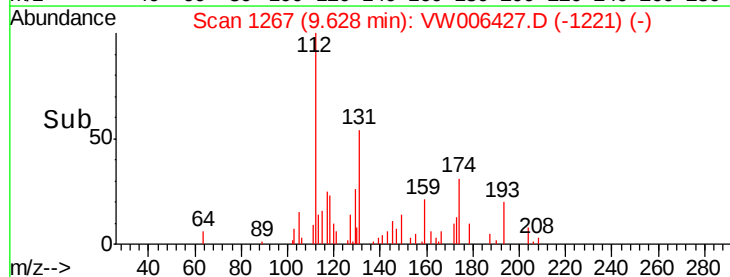
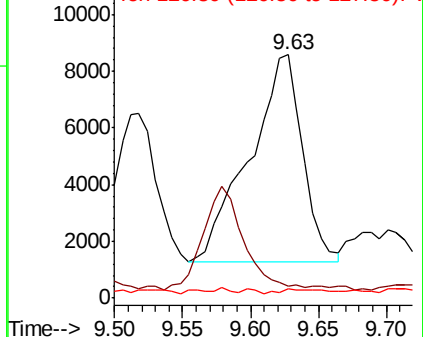
127 1.3 6.9 10.3#

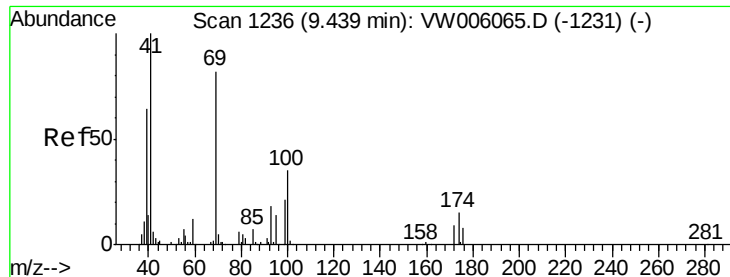


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

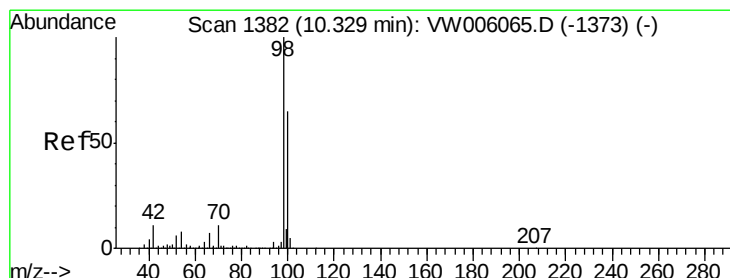
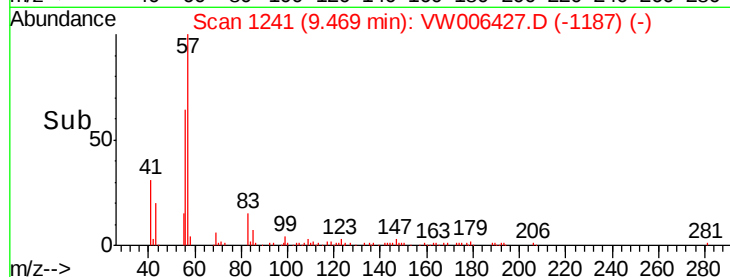
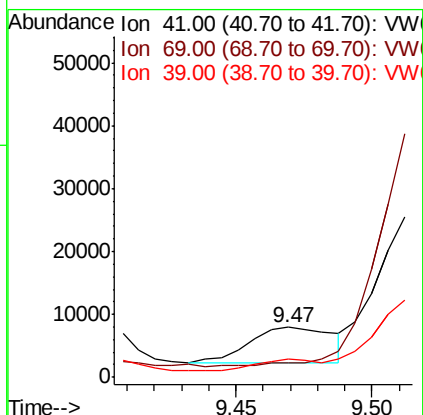
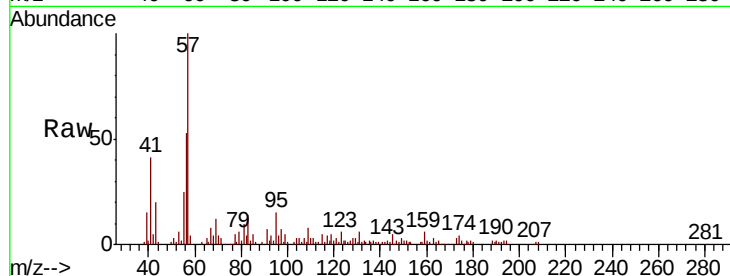




#48
Methyl methacrylate
Concen: 11.823 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

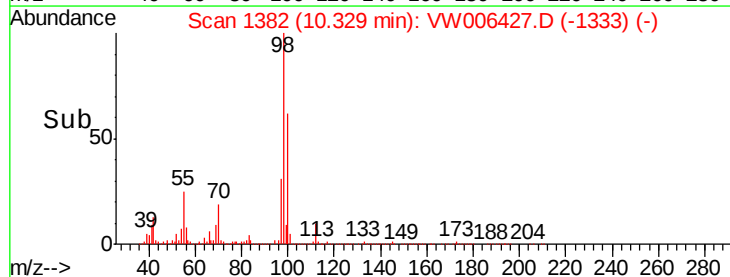
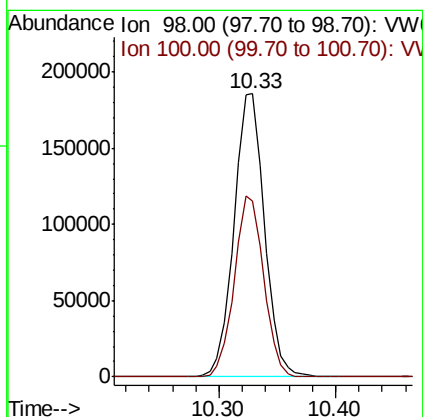
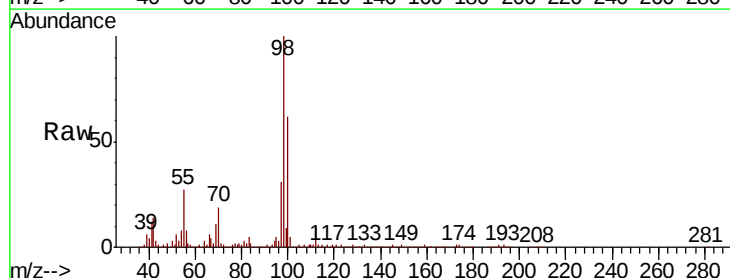
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

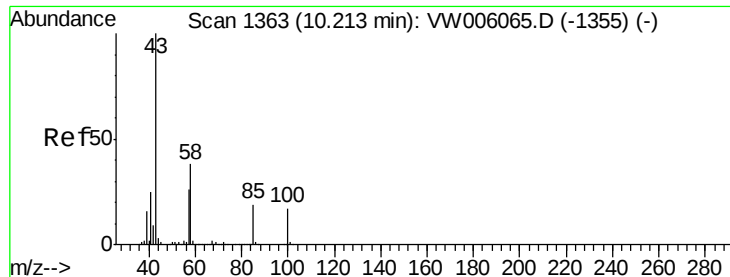
Tgt Ion: 41 Resp: 11939
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 52.5 78.7#



#50
Toluene-d8
Concen: 49.311 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 98 Resp: 337270
Ion Ratio Lower Upper
98 100
100 62.1 51.6 77.4

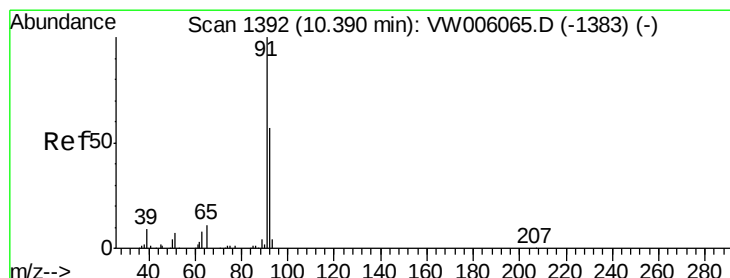
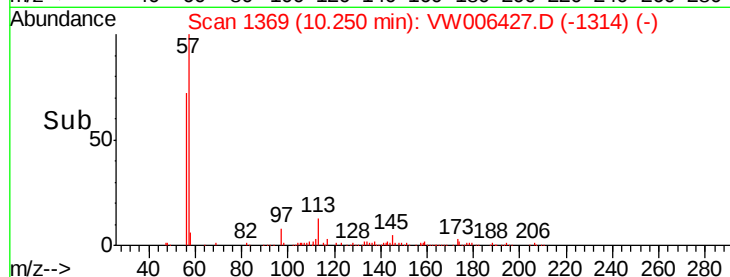
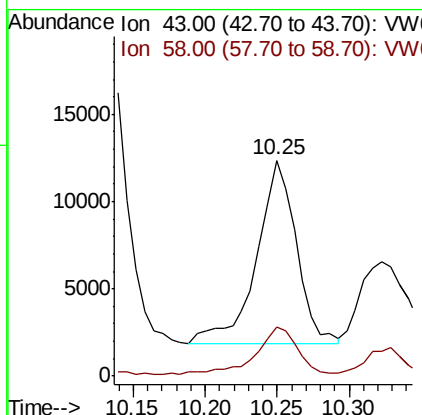
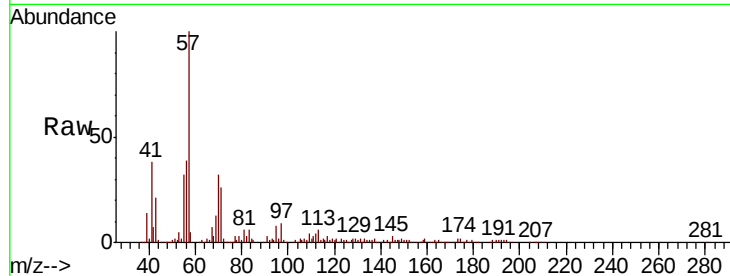




#51
 4-Methyl-2-Pentanone
 Concen: 18.701 ug/l
 RT: 10.25 min Scan# 1369
 Delta R.T. 0.04 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

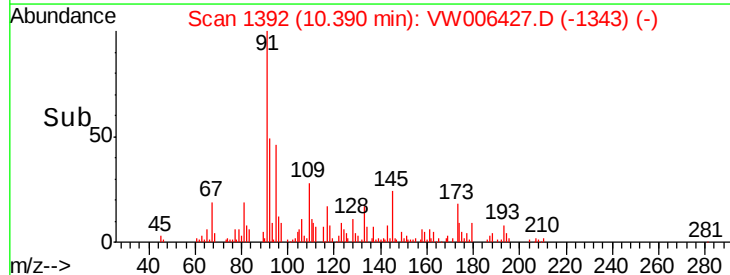
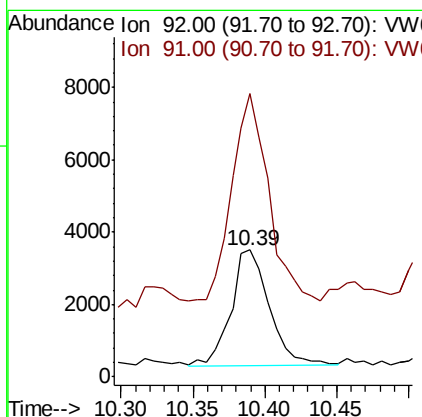
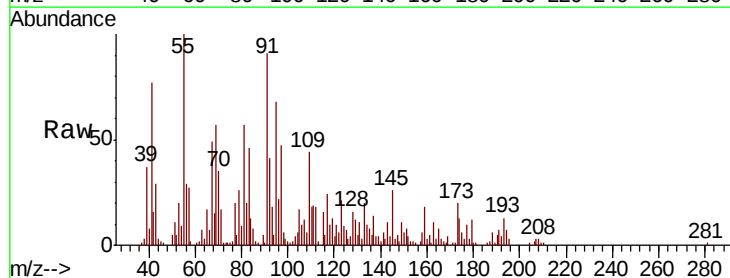
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

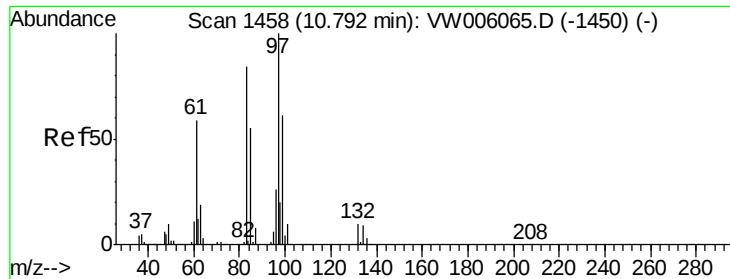
Tgt Ion: 43 Resp: 19961
 Ion Ratio Lower Upper
 43 100
 58 27.7 31.5 47.3#



#52
 Toluene
 Concen: 1.152 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Tgt Ion: 92 Resp: 5943
 Ion Ratio Lower Upper
 92 100
 91 177.9 140.0 210.0

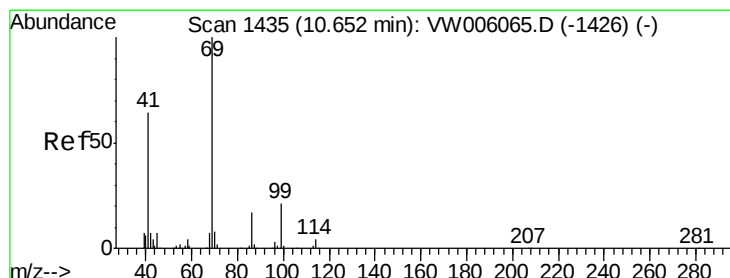
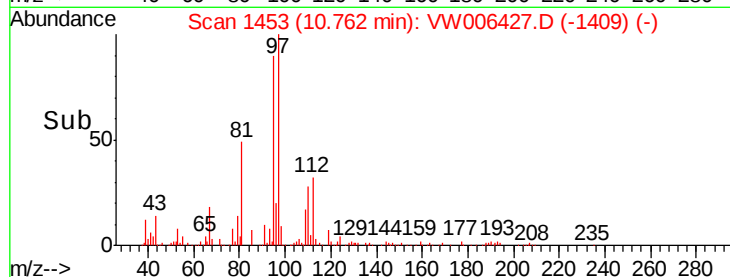
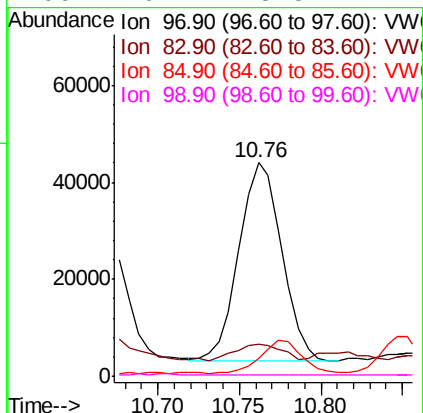
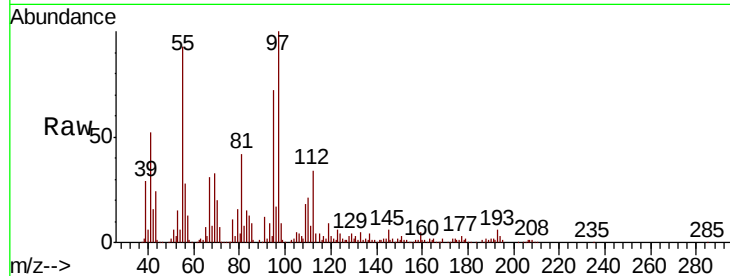




#55
 1,1,2-Trichloroethane
 Concen: 51.021 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

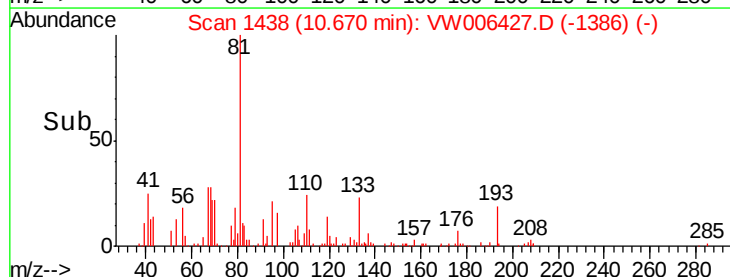
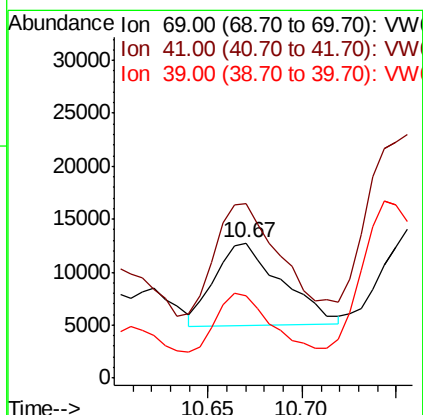
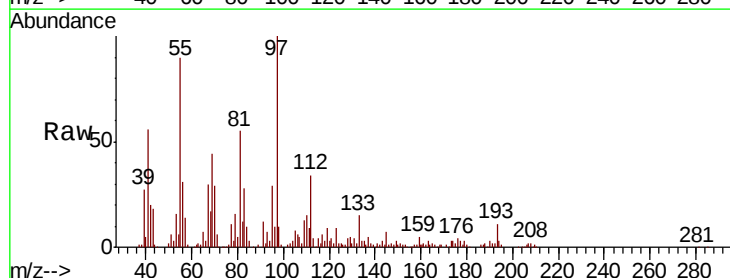
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

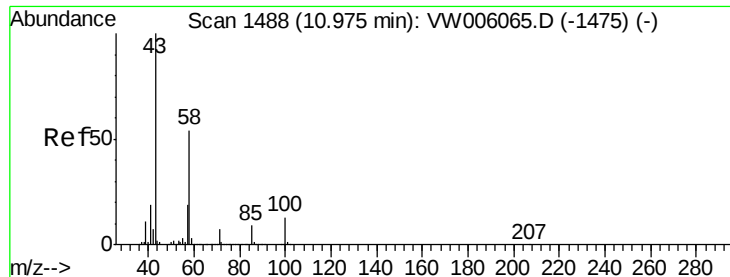
Tgt Ion: 97 Resp: 74907
 Ion Ratio Lower Upper
 97 100
 83 8.2 67.2 100.8#
 85 7.3 43.7 65.5#
 99 0.1 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 10.670 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Tgt Ion: 69 Resp: 19204
 Ion Ratio Lower Upper
 69 100
 41 135.8 52.8 79.2#
 39 59.1 30.6 45.8#

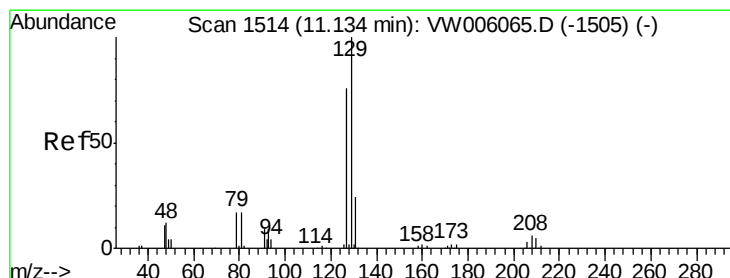
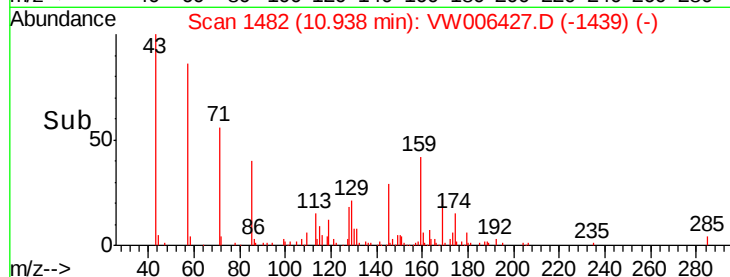
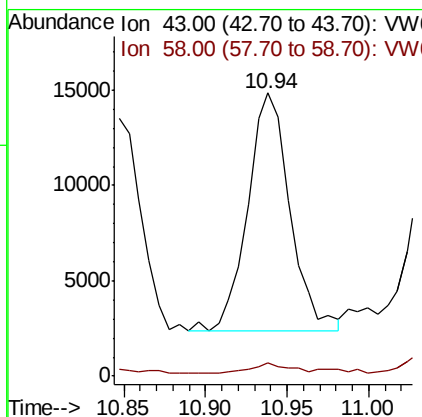
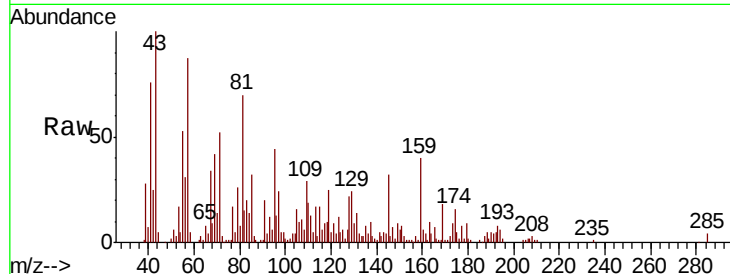




#59
2-Hexanone
Concen: 29.602 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

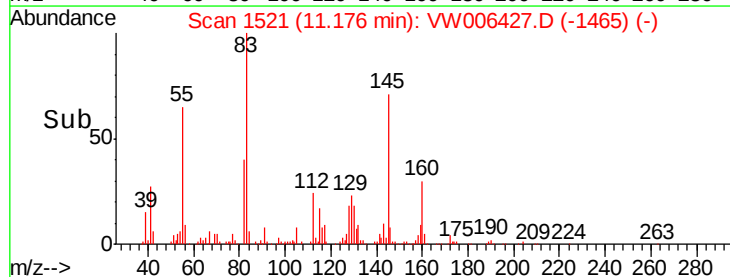
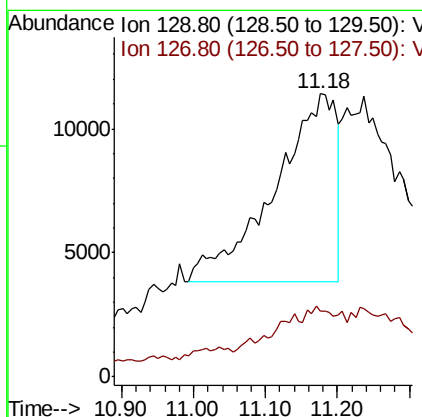
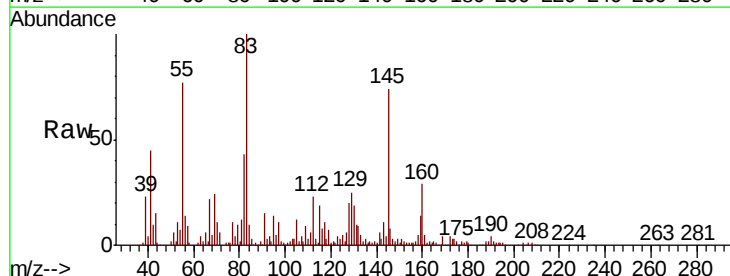
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

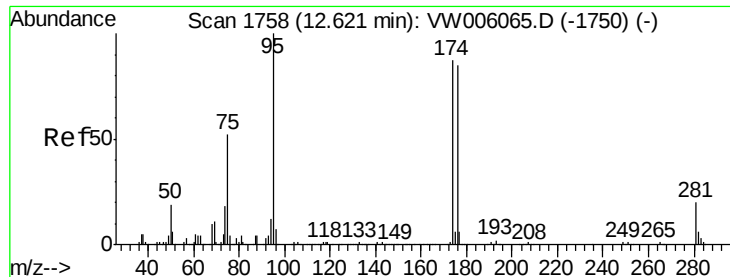
Tgt Ion: 43 Resp: 22555
Ion Ratio Lower Upper
43 100
58 4.0 26.9 80.6#



#60
Dibromochloromethane
Concen: 24.690 ug/l
RT: 11.18 min Scan# 1521
Delta R.T. 0.04 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 129 Resp: 45152
Ion Ratio Lower Upper
129 100
127 4.5 38.6 115.7#

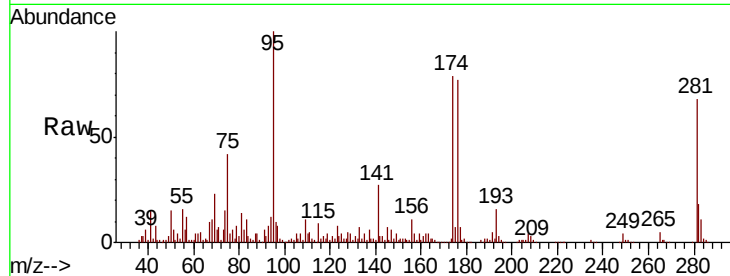




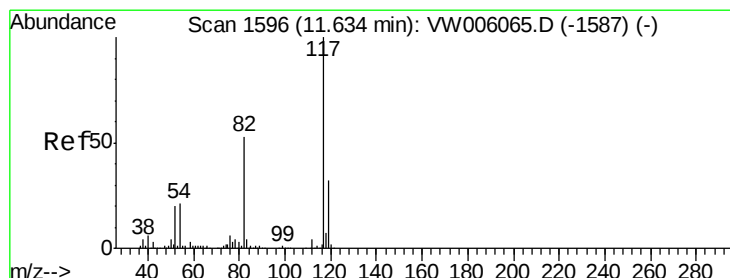
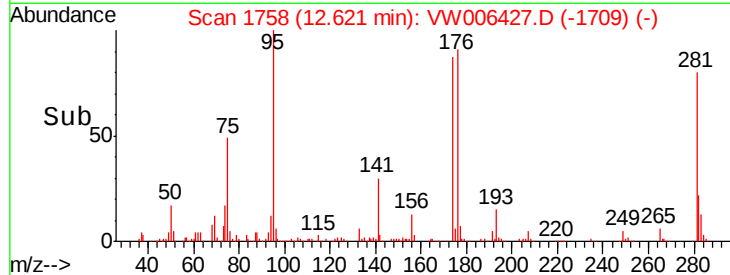
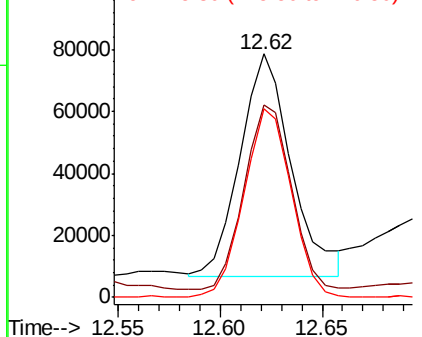
#62
4-Bromofluorobenzene
Concen: 48.916 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

Tgt Ion: 95 Resp: 125660
Ion Ratio Lower Upper
95 100
174 75.7 0.0 186.0
176 77.8 0.0 181.6

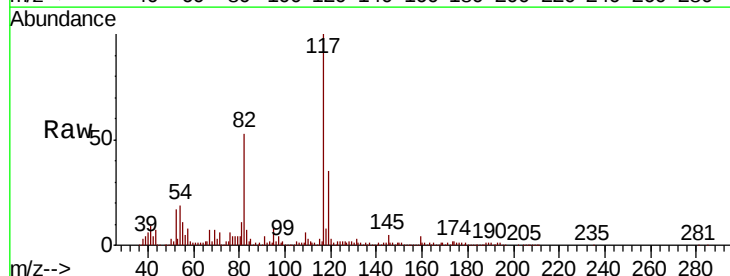


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

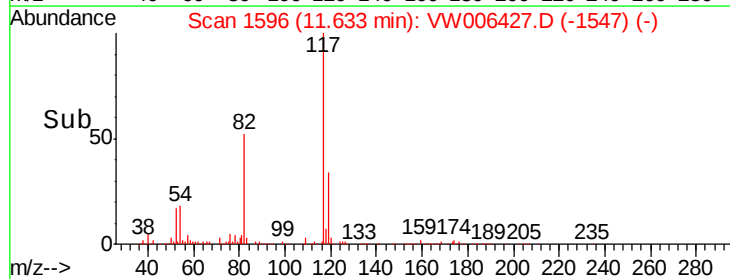
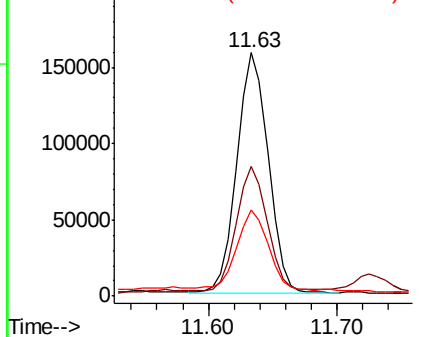


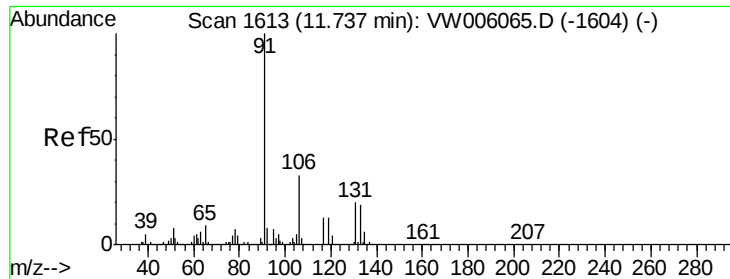
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 117 Resp: 265153
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 33.6 25.8 38.6



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

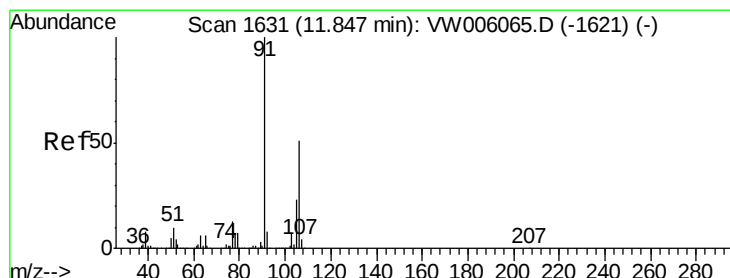
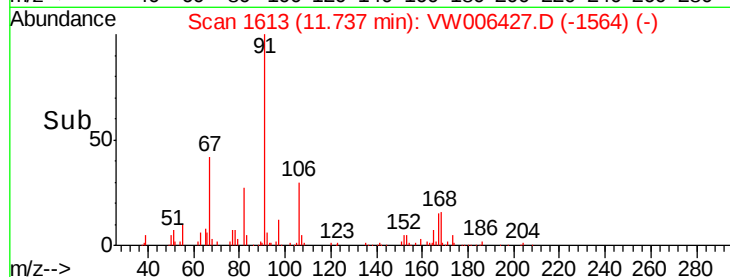
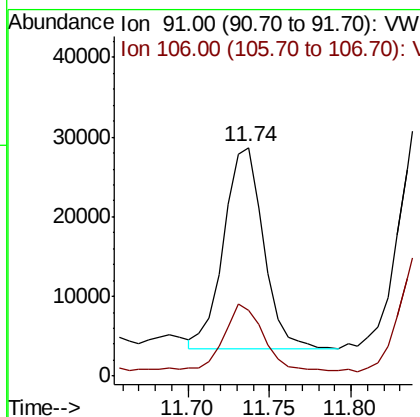
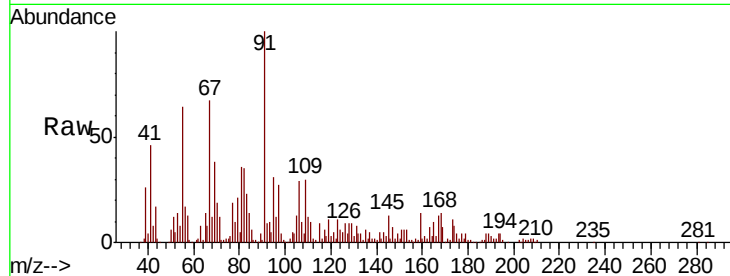




#67
Ethyl Benzene
Concen: 4.336 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

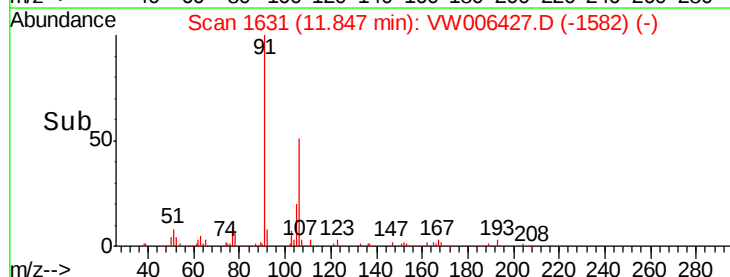
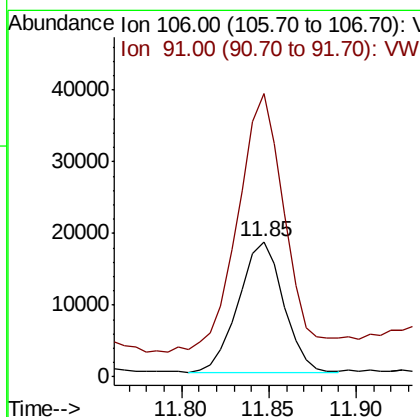
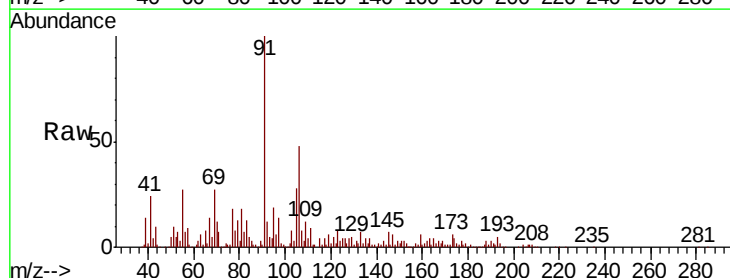
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

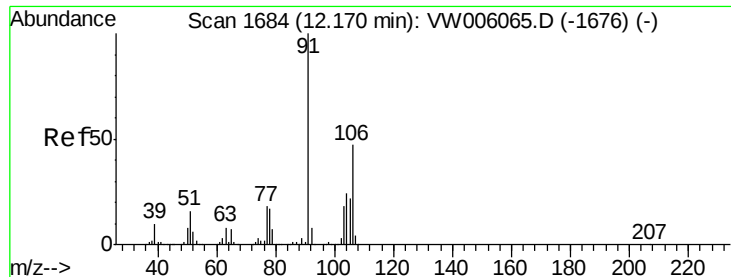
Tgt Ion: 91 Resp: 42653
Ion Ratio Lower Upper
91 100
106 29.8 26.1 39.1



#68
m/p-Xylenes
Concen: 8.434 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 106 Resp: 32791
Ion Ratio Lower Upper
106 100
91 202.2 159.1 238.7

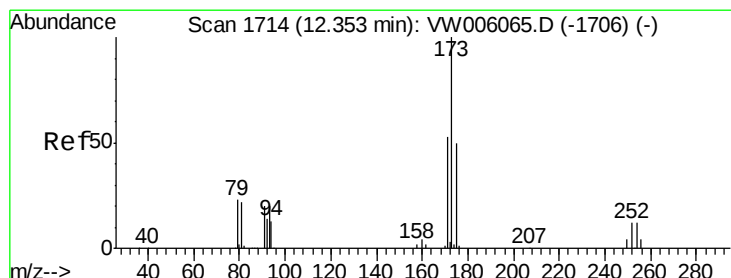
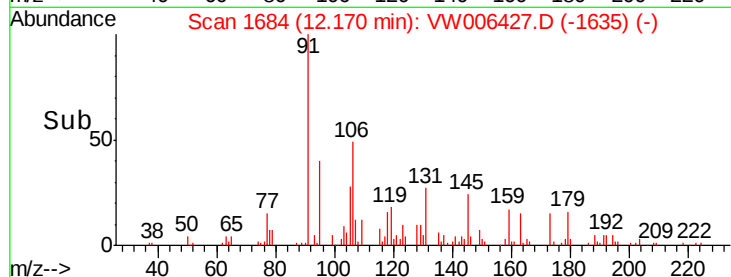
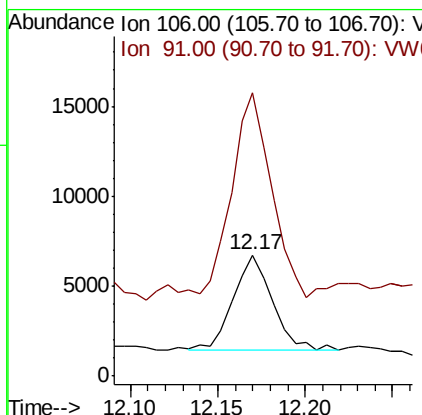
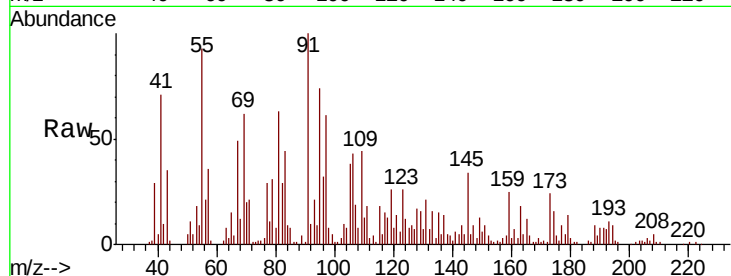




#69
o-Xylene
Concen: 2.168 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

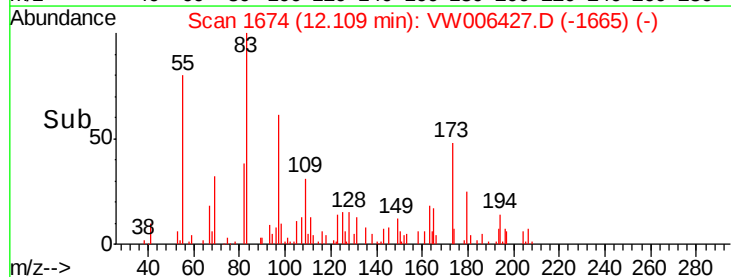
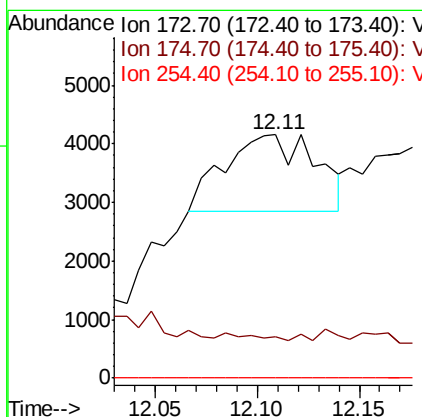
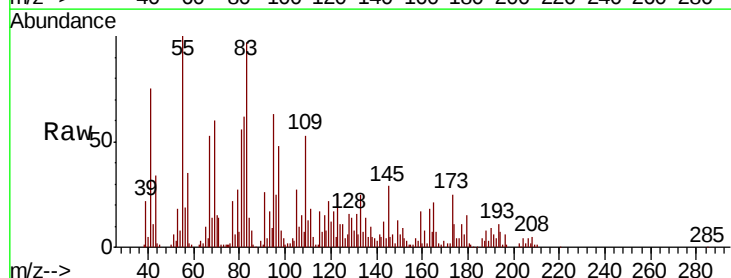
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

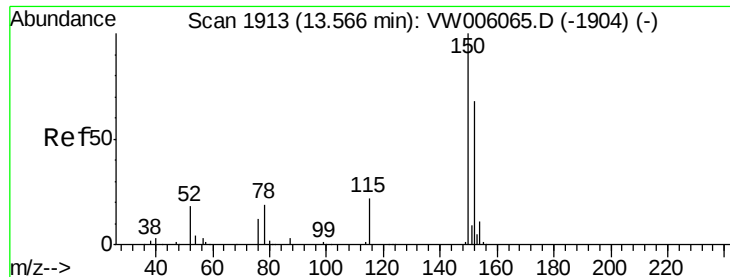
Tgt Ion:106 Resp: 8034
Ion Ratio Lower Upper
106 100
91 222.6 105.4 316.1



#71
Bromoform
Concen: 3.634 ug/l
RT: 12.11 min Scan# 1674
Delta R.T. -0.24 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion:173 Resp: 4089
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#

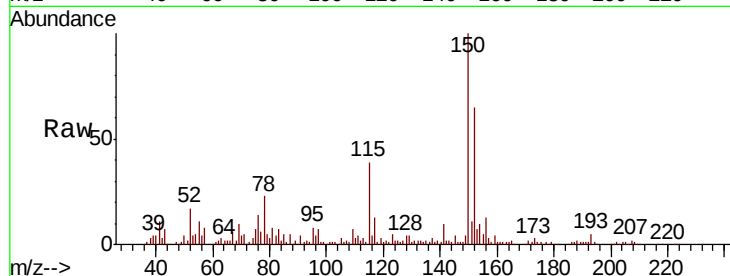




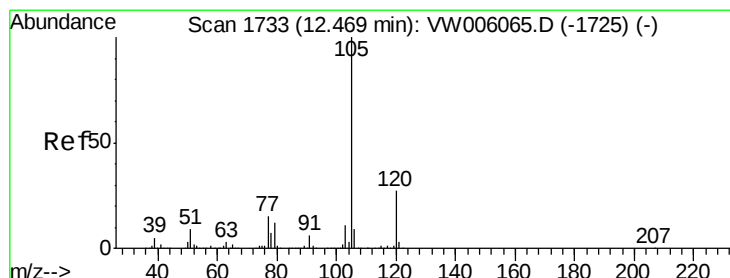
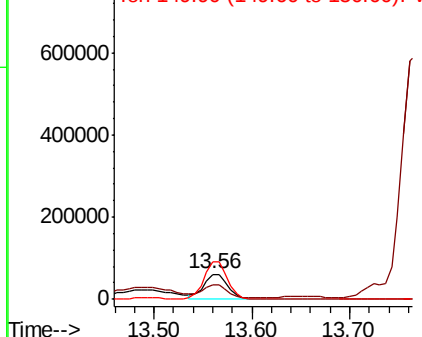
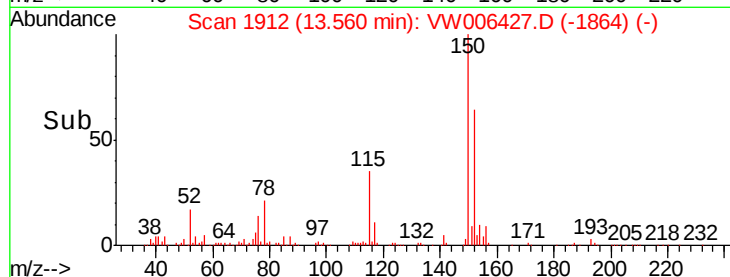
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

Tgt Ion:152 Resp: 105824
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.8 83.3
 150 142.4 0.0 349.2

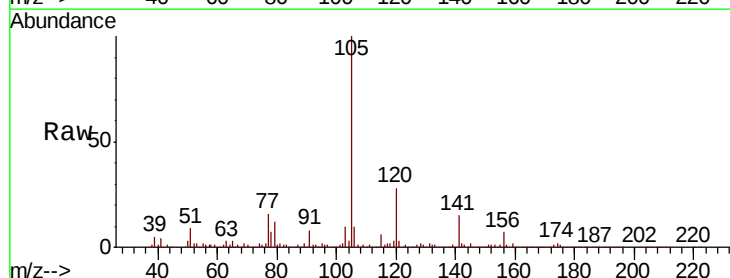


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

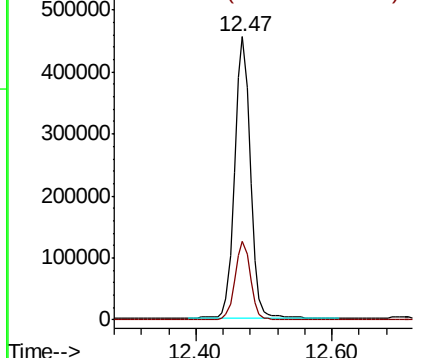
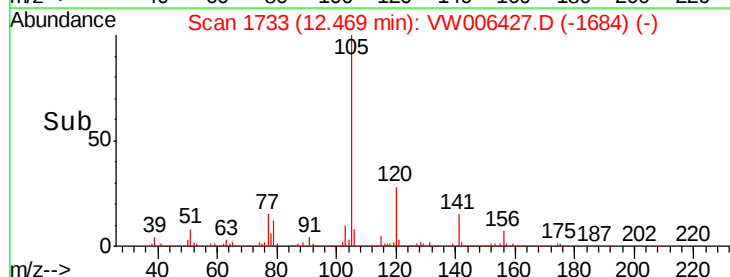


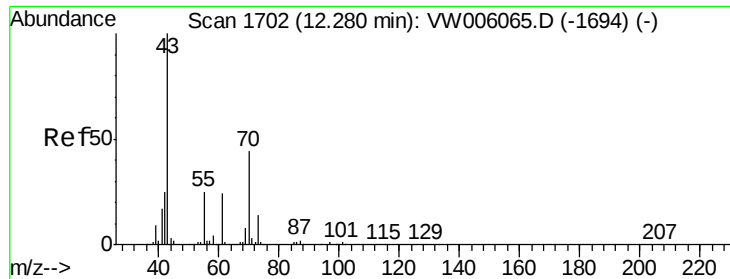
#73
 Isopropylbenzene
 Concen: 97.361 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Tgt Ion:105 Resp: 727886
 Ion Ratio Lower Upper
 105 100
 120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 8.643 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

AOC1-03ARE

Tgt Ion: 43 Resp: 12550

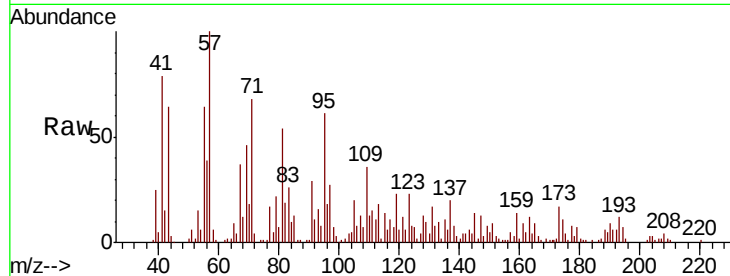
Ion Ratio Lower Upper

43 100

70 13.0 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#



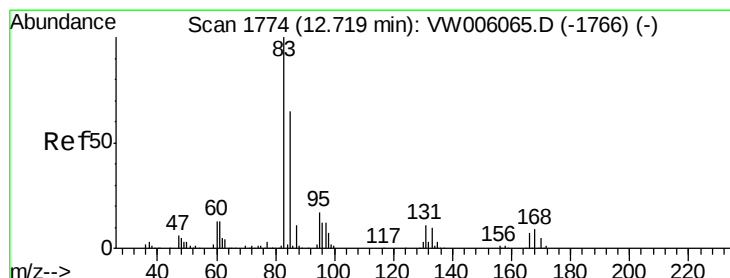
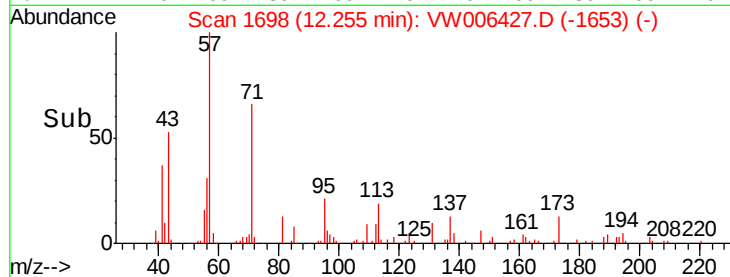
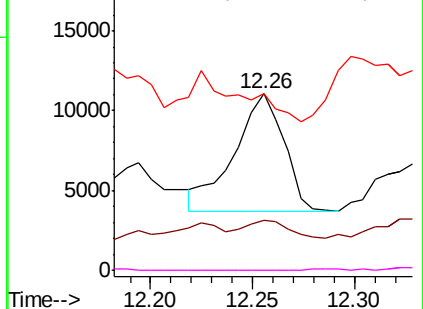
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 128.579 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

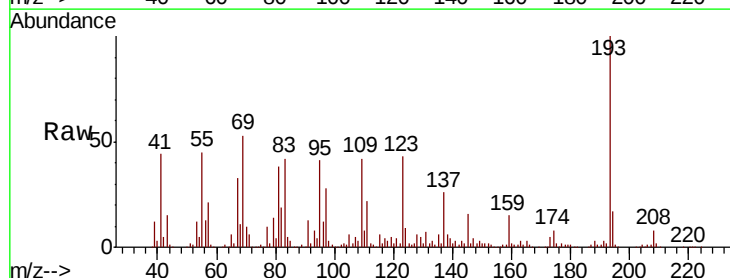
Tgt Ion: 83 Resp: 146206

Ion Ratio Lower Upper

83 100

131 7.3 5.9 17.7

85 1.2 31.9 95.9#

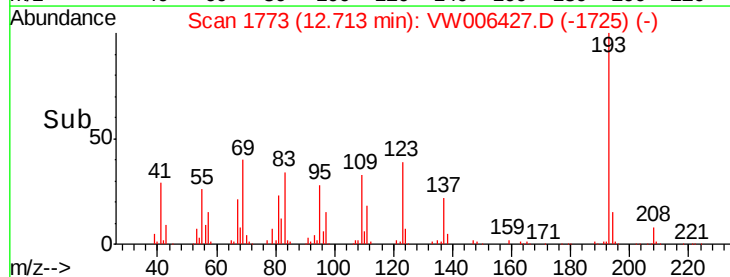
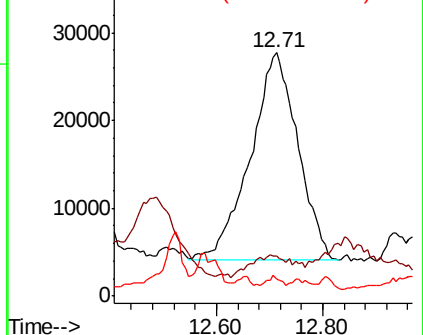


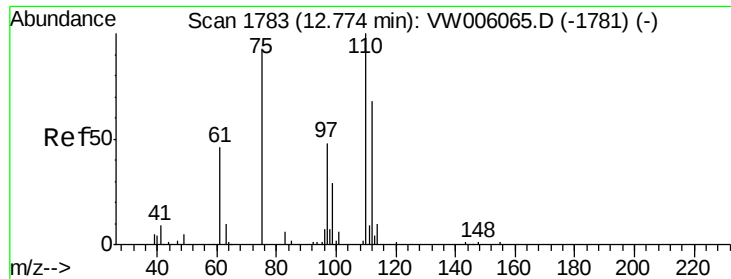
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

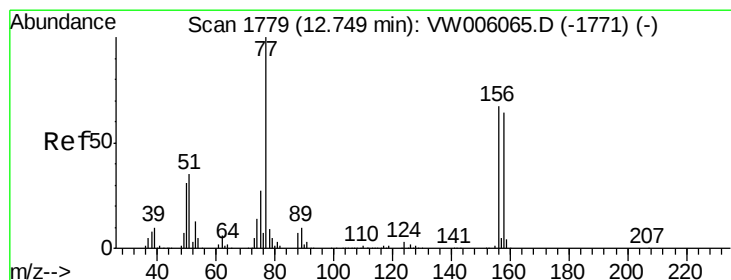
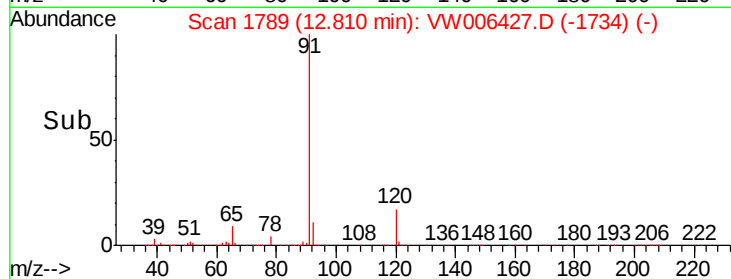
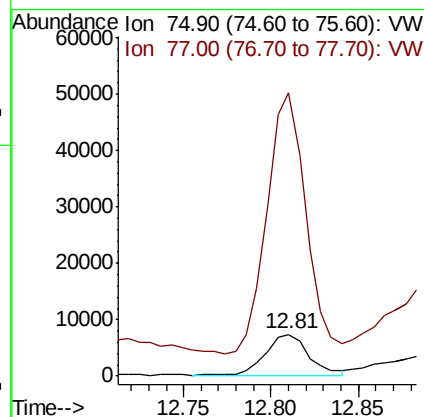
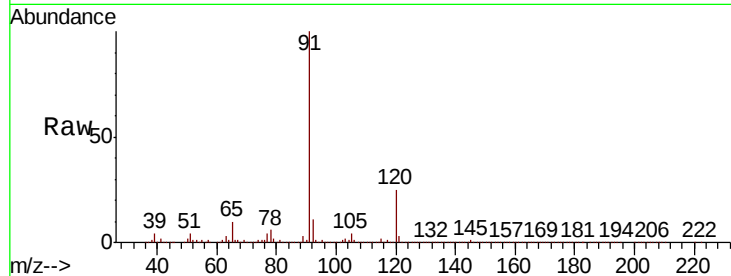




#76
 1,2,3-Trichloropropane
 Concen: 15.400 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.04 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

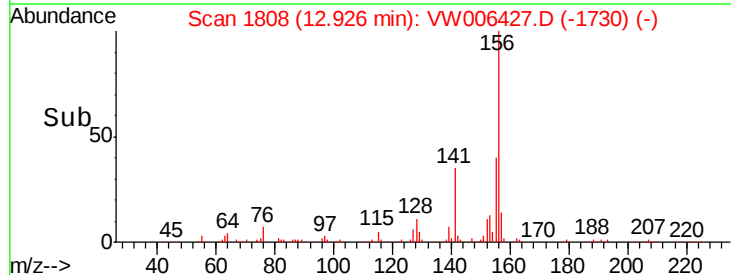
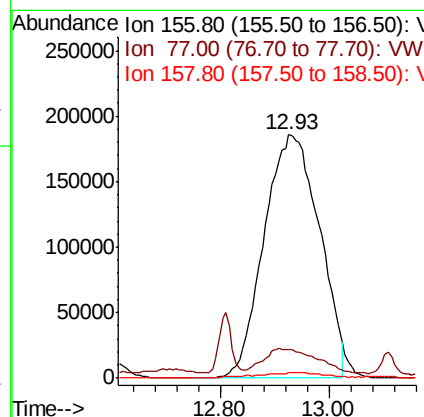
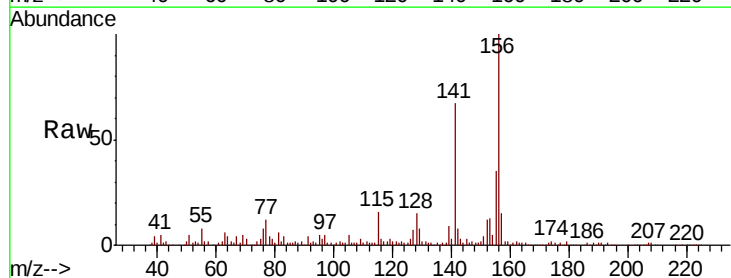
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-03ARE

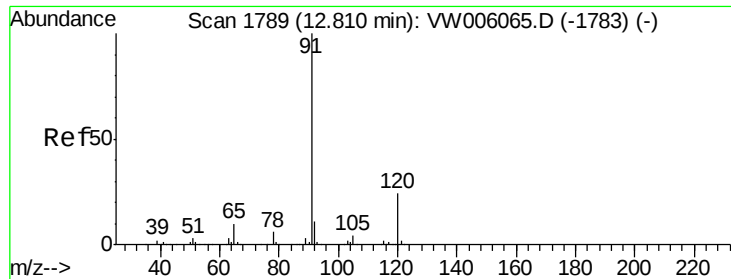
Tgt Ion: 75 Resp: 12448
 Ion Ratio Lower Upper
 75 100
 77 577.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 714.581 ug/l
 RT: 12.93 min Scan# 1808
 Delta R.T. 0.18 min
 Lab File: VW006427.D
 Acq: 27 Oct 2018 03:07

Tgt Ion: 156 Resp: 1308507
 Ion Ratio Lower Upper
 156 100
 77 8.0 79.1 237.4#
 158 0.0 48.5 145.6#





#78

n-propylbenzene

Concen: 221.243 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

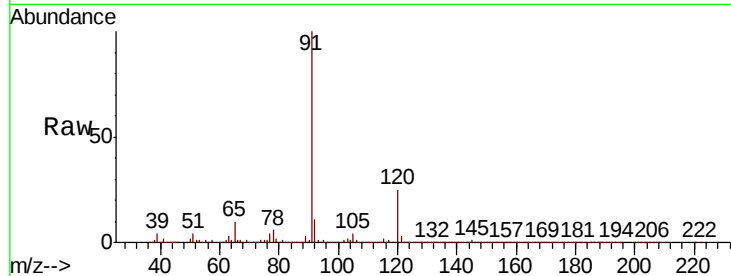
AOC1-03ARE

Tgt Ion: 91 Resp: 1924344

Ion Ratio Lower Upper

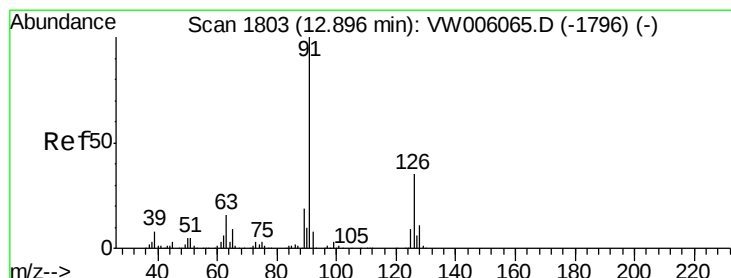
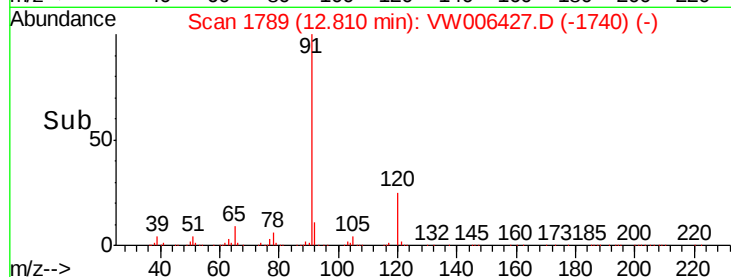
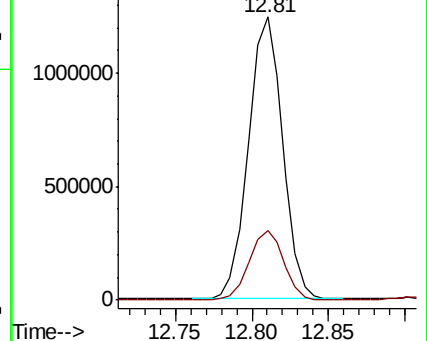
91 100

120 25.1 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: 393.769 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW006427.D

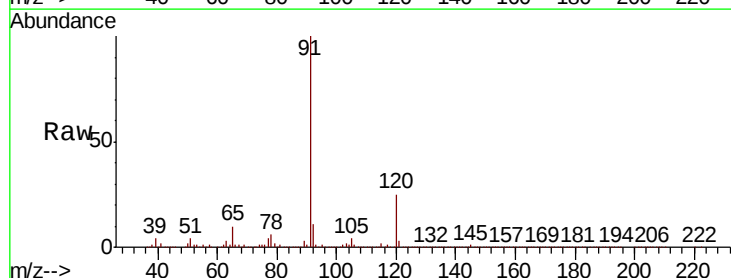
Acq: 27 Oct 2018 03:07

Tgt Ion: 91 Resp: 1924344

Ion Ratio Lower Upper

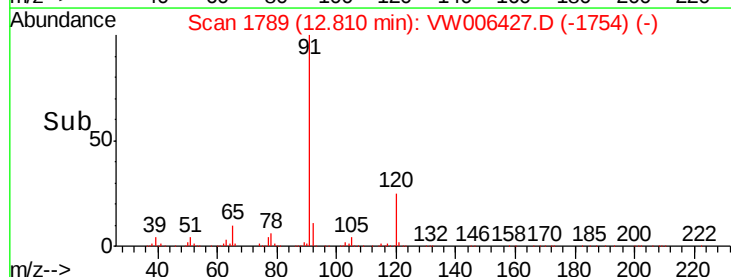
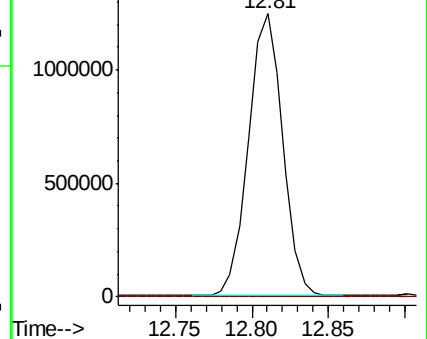
91 100

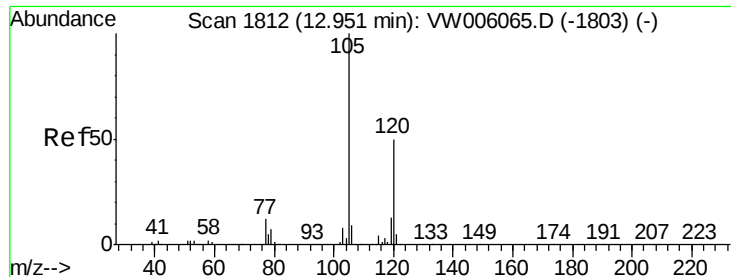
126 0.0 17.9 53.8#



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: 11.028 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.05 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

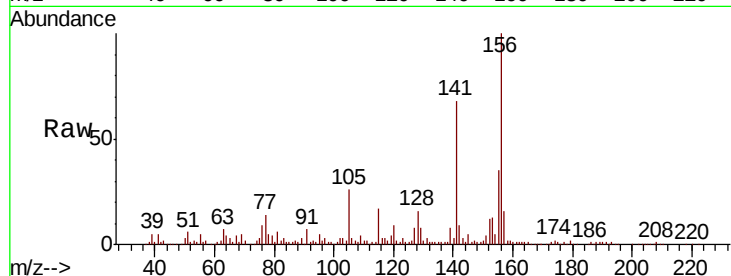
AOC1-03ARE

Tgt Ion:105 Resp: 69503

Ion Ratio Lower Upper

105 100

120 35.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

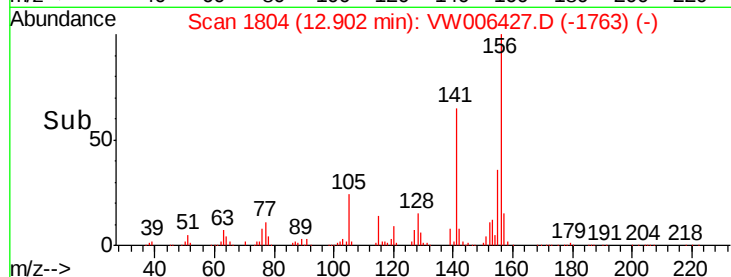
300000

200000

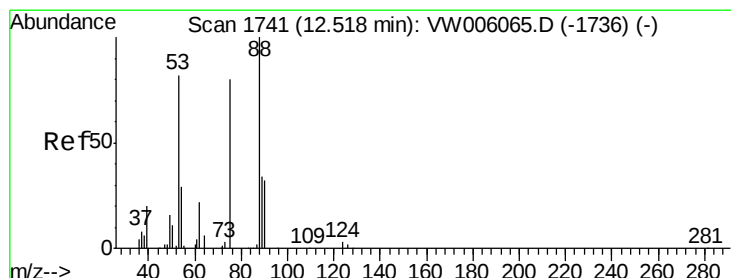
100000

0

12.80 12.90 13.00



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.293 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

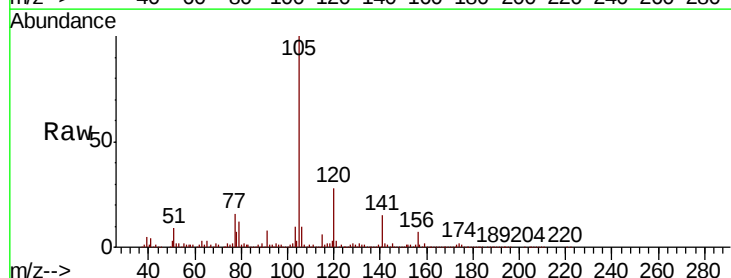
Tgt Ion: 75 Resp: 22078

Ion Ratio Lower Upper

75 100

53 32.9 79.8 119.6#

89 97.4 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

40000

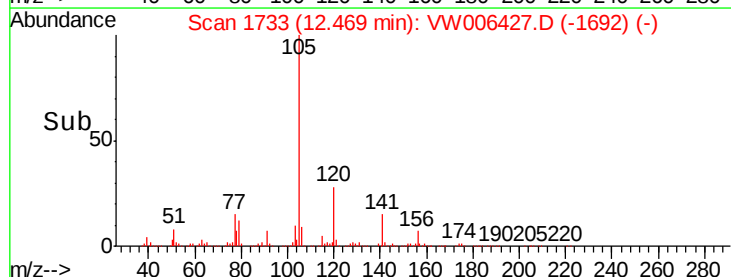
30000

20000

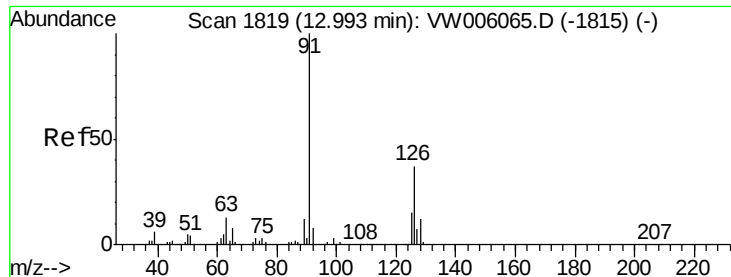
10000

0

12.30 12.40 12.50 12.60



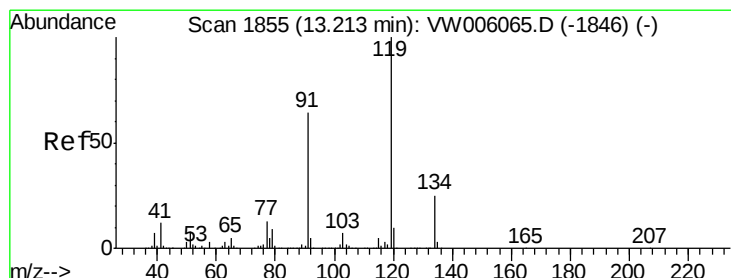
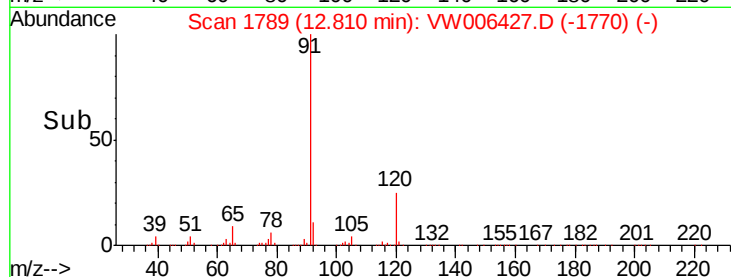
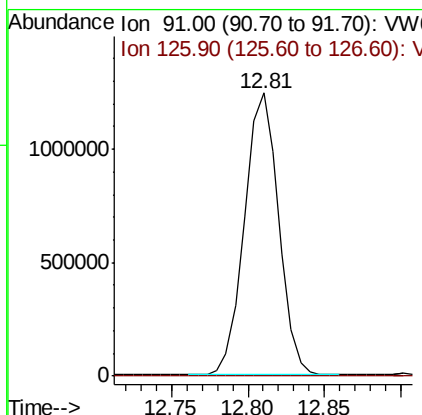
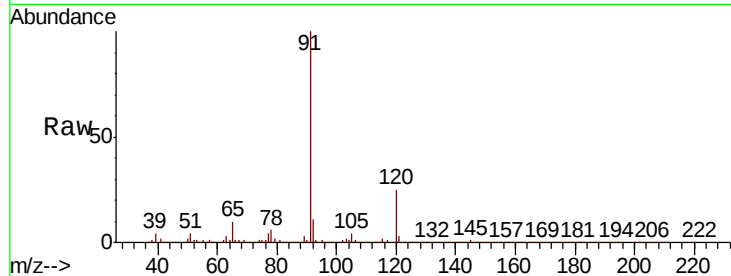
Time-->



#82
4-Chlorotoluene
Concen: 375.902 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.18 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

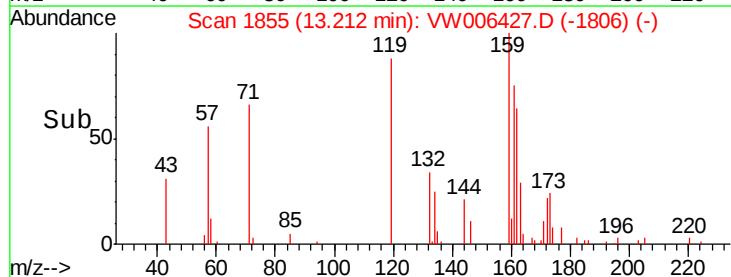
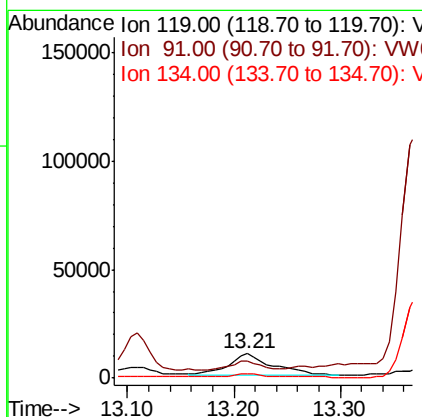
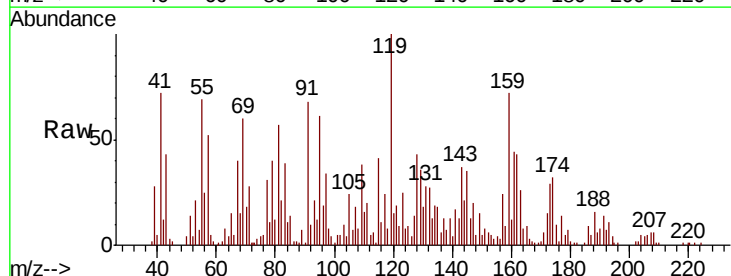
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

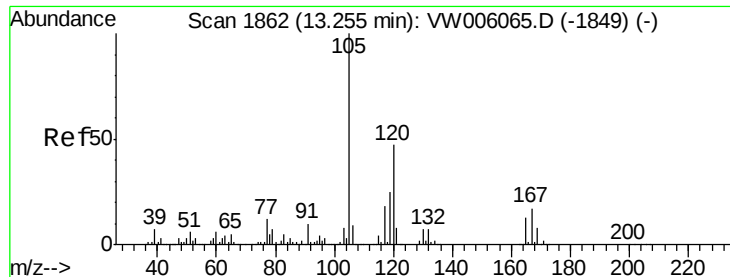
Tgt Ion: 91 Resp: 1924344
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.3#



#83
tert-Butylbenzene
Concen: 5.074 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 119 Resp: 28609
Ion Ratio Lower Upper
119 100
91 28.4 32.3 96.9#
134 0.0 13.6 40.8#

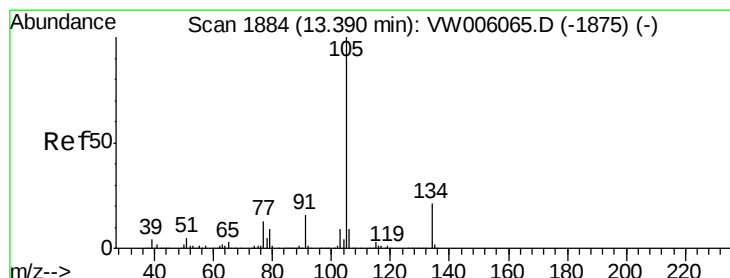
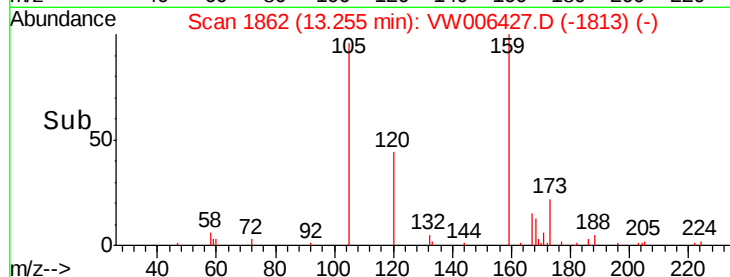
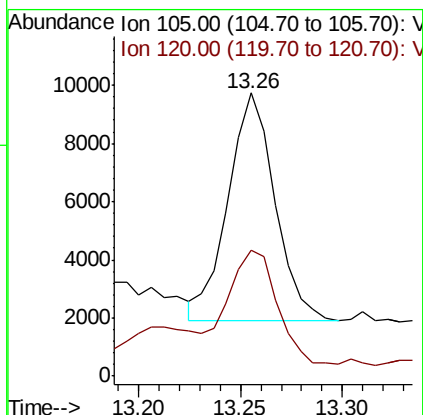
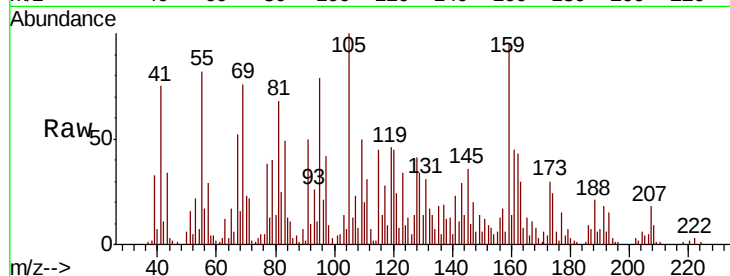




#84
1,2,4-Trimethylbenzene
Concen: 1.965 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

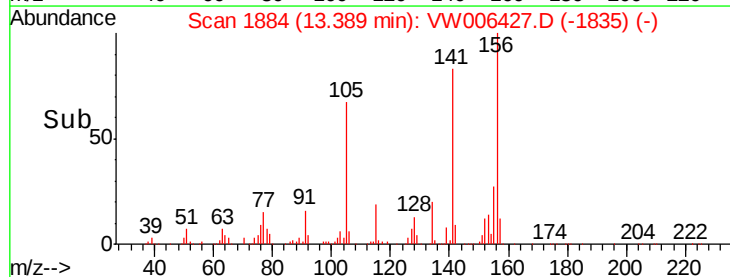
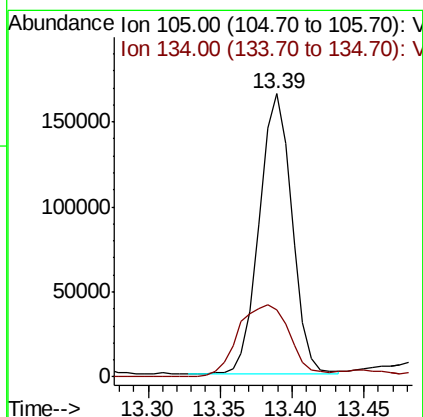
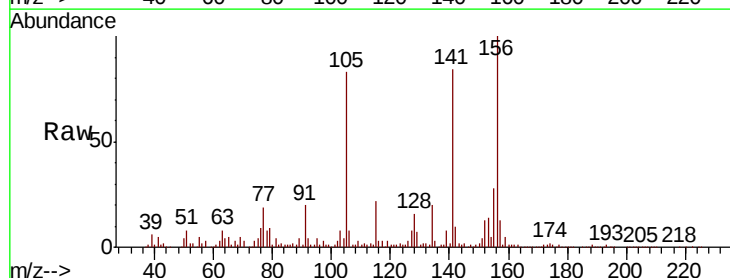
Instrument :
MSVOA_W
ClientSampled :
AOC1-03ARE

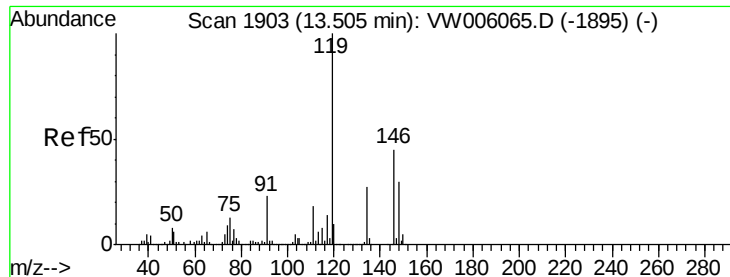
Tgt Ion:105 Resp: 12534
Ion Ratio Lower Upper
105 100
120 52.4 23.1 69.3



#85
sec-Butylbenzene
Concen: 32.381 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion:105 Resp: 257955
Ion Ratio Lower Upper
105 100
134 40.5 10.5 31.6#

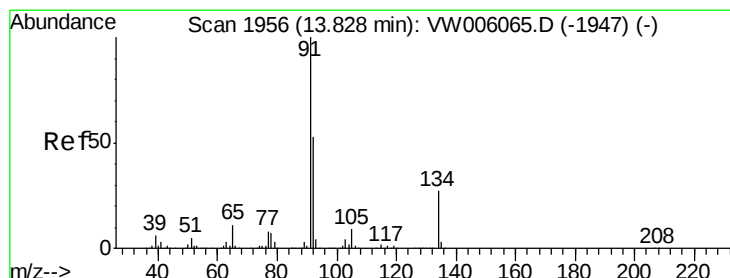
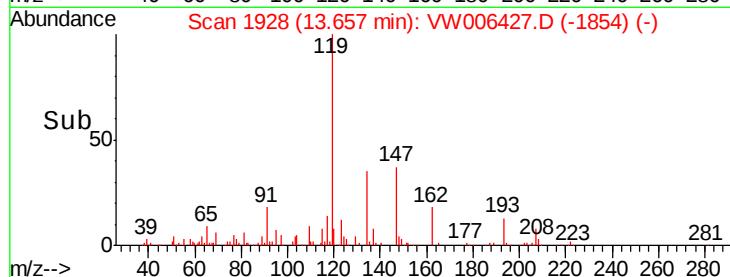
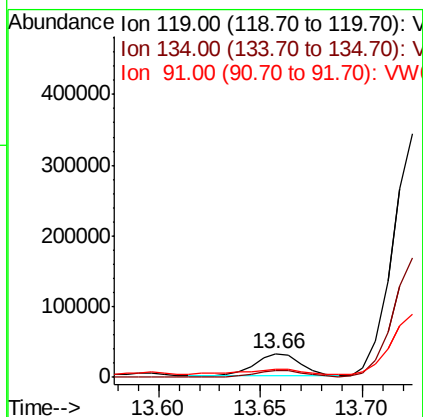
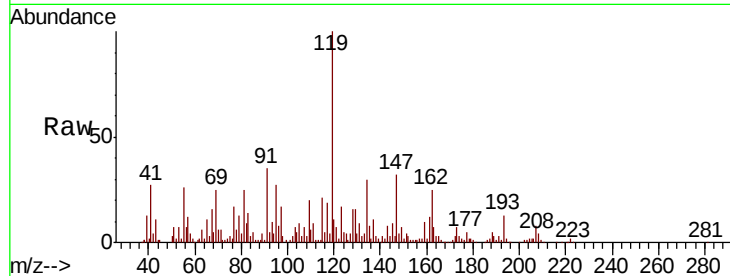




#86
p-Isopropyltoluene
Concen: 6.933 ug/l
RT: 13.66 min Scan# 1928
Delta R.T. 0.15 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

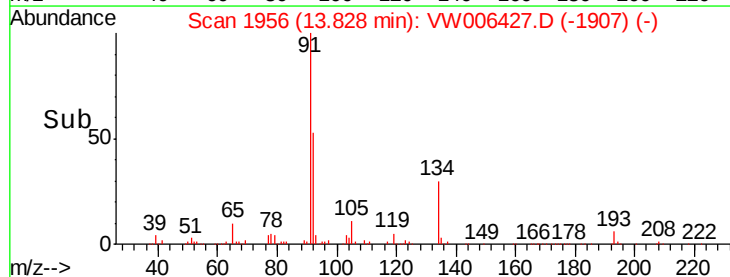
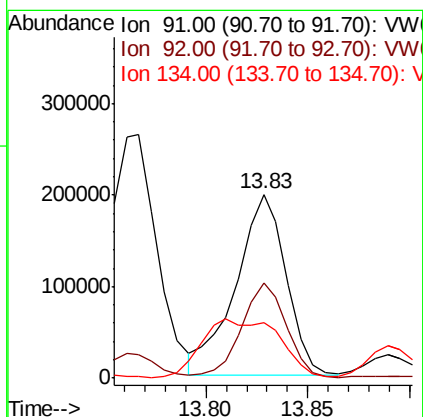
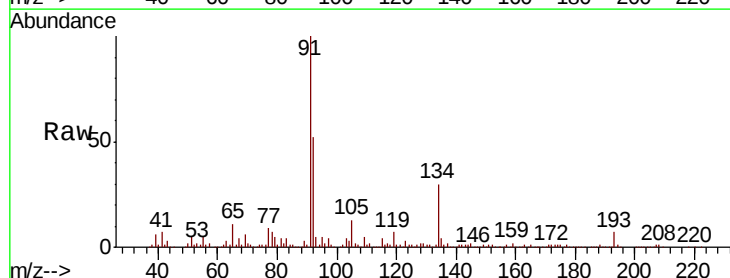
Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

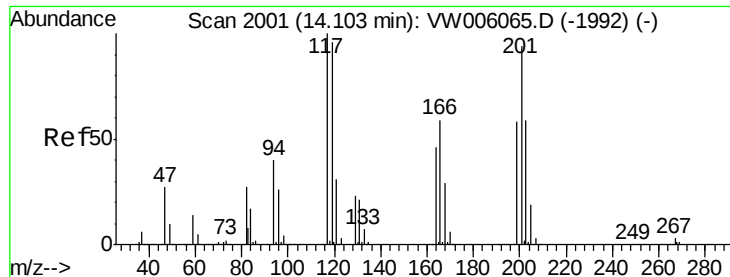
Tgt Ion: 119 Resp: 49957
Ion Ratio Lower Upper
119 100
134 30.9 13.4 40.2
91 28.2 11.4 34.1



#89
n-Butylbenzene
Concen: 50.959 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Tgt Ion: 91 Resp: 335803
Ion Ratio Lower Upper
91 100
92 46.4 26.6 79.7
134 49.7 14.0 41.9#





#90

Hexachloroethane

Concen: 142.951 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

Instrument :

MSVOA_W

ClientSampleId :

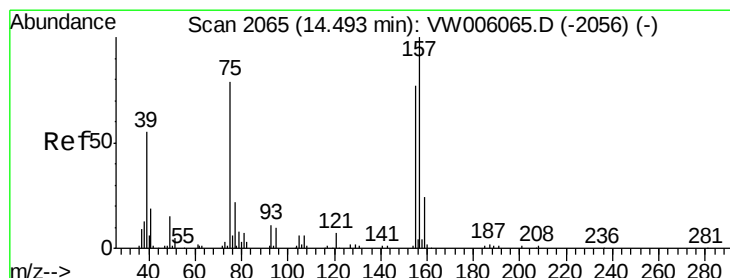
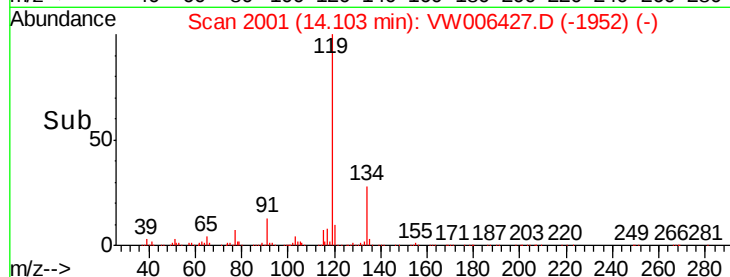
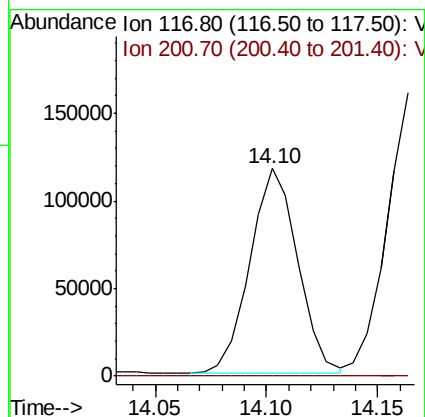
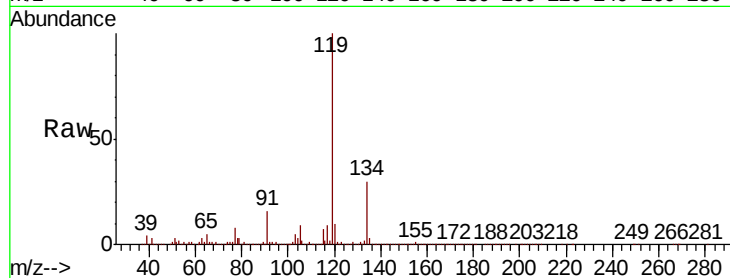
AOC1-03ARE

Tgt Ion:117 Resp: 174472

Ion Ratio Lower Upper

117 100

201 0.1 45.3 135.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.676 ug/l

RT: 14.50 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW006427.D

Acq: 27 Oct 2018 03:07

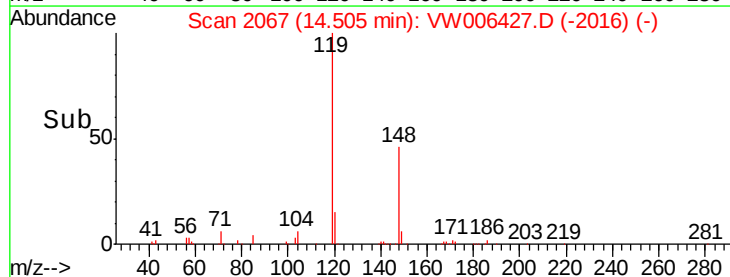
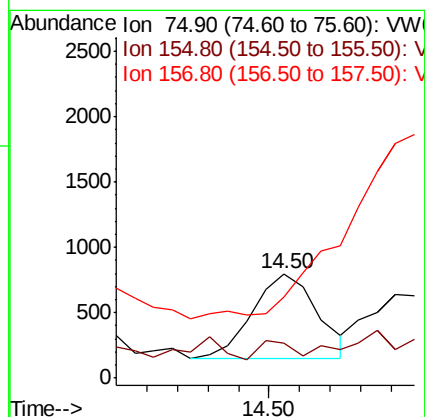
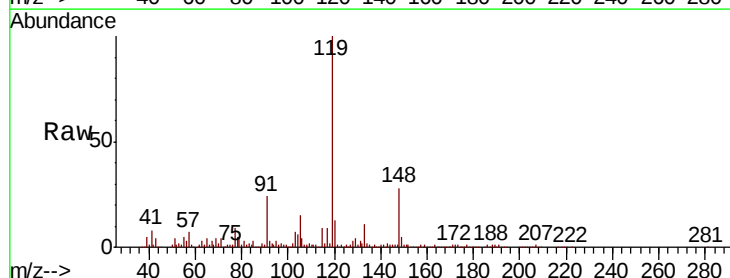
Tgt Ion: 75 Resp: 952

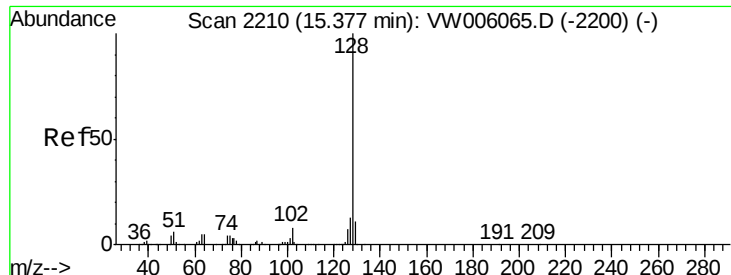
Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#

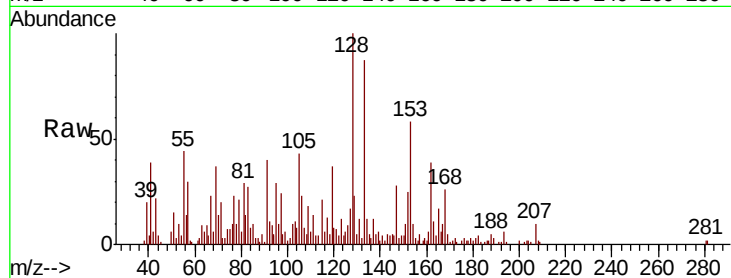




#95
Naphthalene
Concen: 2.511 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006427.D
Acq: 27 Oct 2018 03:07

Instrument :
MSVOA_W
ClientSampleId :
AOC1-03ARE

Tgt Ion:128 Resp: 10448
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

