

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV102918\
 Data File : VW006430.D
 Acq On : 27 Oct 2018 04:24
 Operator : SY/AP
 Sample : J5515-14RE
 Misc : 6.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

Quant Time: Oct 27 04:52:38 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	292595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	475790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127606	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.88	113	128816	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	10.33	98	578188	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.62	95	215355	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
3) Chloromethane	2.18	50	4557	2.445	ug/l #	58
6) Chloroethane	3.03	64	2188	1.147	ug/l #	1
11) Tert butyl alcohol	5.24	59	3652	22.385	ug/l #	71
13) Acrolein	3.84	56	68088	431.309	ug/l #	1
14) Allyl chloride	4.76	41	144206	41.254	ug/l #	78
15) Acrylonitrile	5.43	53	104995	222.137	ug/l #	39
16) Acetone	4.10	43	133103	295.149	ug/l #	57
18) Methyl Acetate	4.95	43	4265607	3494.235	ug/l #	50
19) Methyl tert-butyl Ether	5.43	73	9618	2.583	ug/l #	1
20) Methylene Chloride	4.92	84	11120	2.796	ug/l #	1
23) Vinyl Acetate	6.29	43	44821	10.995	ug/l #	75
24) 1,1-Dichloroethane	6.22	63	9077	2.036	ug/l #	81
25) 2-Butanone	7.17	43	65460	99.890	ug/l #	50
29) Tetrahydrofuran	7.53	42	4343	10.782	ug/l #	31
30) Chloroform	7.70	83	32937	6.782	ug/l #	70
31) Cyclohexane	7.93	56	994258	223.991	ug/l #	59
37) Ethyl Acetate	7.17	43	65460	40.175	ug/l #	70
38) Carbon Tetrachloride	7.95	117	25205	5.243	ug/l #	16
39) Methylcyclohexane	9.34	83	1652321	283.443	ug/l	91
40) Benzene	8.32	78	1955190	162.531	ug/l	99
41) Methacrylonitrile	7.52	41	42215	42.978	ug/l #	49
42) 1,2-Dichloroethane	8.40	62	45595	12.901	ug/l #	75
43) Isopropyl Acetate	8.43	43	158325	47.524	ug/l #	50
45) 1,2-Dichloropropane	9.34	63	25424	8.832	ug/l #	1
46) Dibromomethane	9.41	93	5493	3.348	ug/l #	1
47) Bromodichloromethane	9.63	83	128640	32.340	ug/l #	27
48) Methyl methacrylate	9.47	41	158625	100.449	ug/l #	25
51) 4-Methyl-2-Pentanone	10.26	43	326775	195.769	ug/l #	83
52) Toluene	10.40	92	16547620	2051.793	ug/l #	65
53) t-1,3-Dichloropropene	10.40	75	198671	50.130	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	369462	160.920	ug/l #	35
56) Ethyl methacrylate	10.63	69	27526	9.780	ug/l #	2
58) 2-Chloroethyl Vinyl ether	9.91	63	23278	21.644	ug/l #	44
59) 2-Hexanone	11.11	43	19218	16.129	ug/l	93

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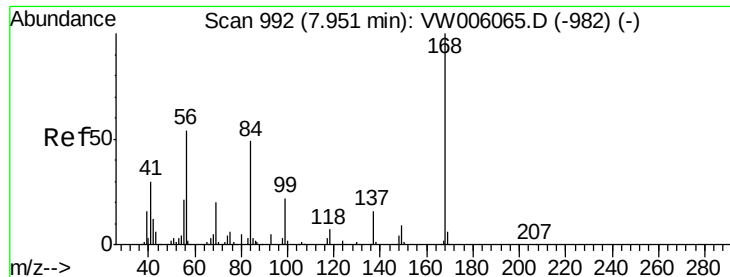
Instrument :
 MSVOA_W
 ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) 1,2-Dibromoethane	11.24	107	61010	26.595	ug/l #	2
67) Ethyl Benzene	11.74	91	10615352	668.316	ug/l	93
68) m/p-Xylenes	11.84	106	14312598	2279.769	ug/l #	65
69) o-Xylene	12.17	106	5915555	988.694	ug/l	89
70) Styrene	12.17	104	294308	30.249	ug/l #	1
73) Isopropylbenzene	12.47	105	1356026	89.899	ug/l	100
74) N-amyl acetate	12.26	43	31124	10.624	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.70	83	2918	1.272	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	36328	22.276	ug/l #	100
78) n-propylbenzene	12.81	91	6351016	361.905	ug/l	98
79) 2-Chlorotoluene	12.88	91	2186377	221.742	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.95	105	7901162	621.352	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.47	75	14558	21.339	ug/l #	55
82) 4-Chlorotoluene	12.95	91	815610	78.966	ug/l #	39
83) tert-Butylbenzene	13.26	119	3378587	296.965	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.25	105	18399704	1429.938	ug/l	73
85) sec-Butylbenzene	13.25	105	18399704	1144.772	ug/l #	55
86) p-Isopropyltoluene	13.45	119	748775	51.505	ug/l	96
89) n-Butylbenzene	13.83	91	875145	65.823	ug/l #	64
90) Hexachloroethane	14.10	117	457996	185.989	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5910	14.388	ug/l #	1
95) Naphthalene	15.38	128	3586434	427.217	ug/l	99

(#) = 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: VW006430.D

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MSVOA_W

ClientSampleId :

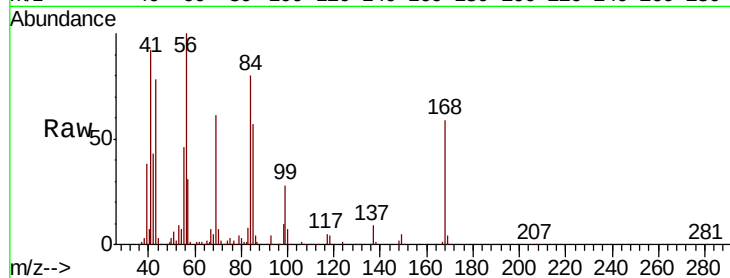
AOC2-01B

Tgt Ion:168 Resp: 292595

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

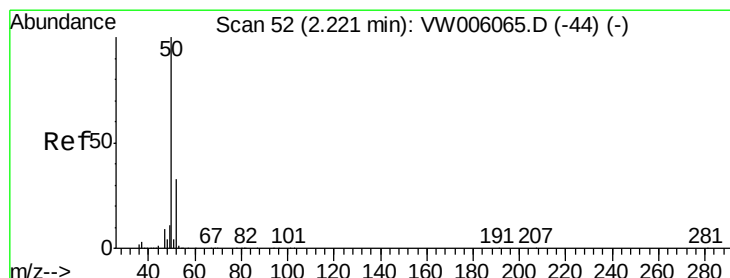
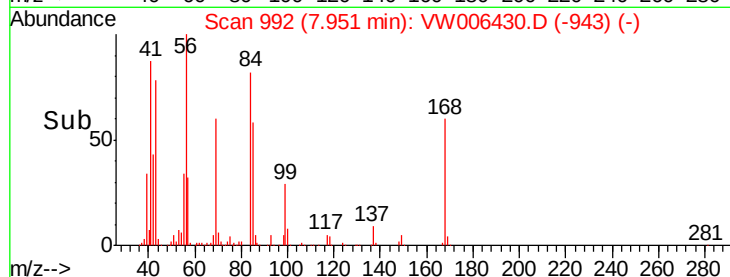
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: 2.445 ug/l

RT: 2.18 min Scan# 46

Delta R.T. -0.04 min

Lab File: VW006430.D

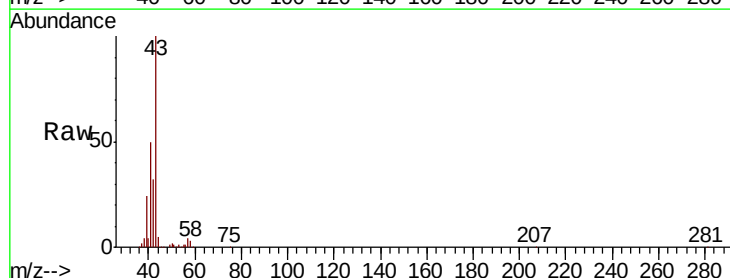
Acq: 27 Oct 2018 04:24

Tgt Ion: 50 Resp: 4557

Ion Ratio Lower Upper

50 100

52 9.8 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.18

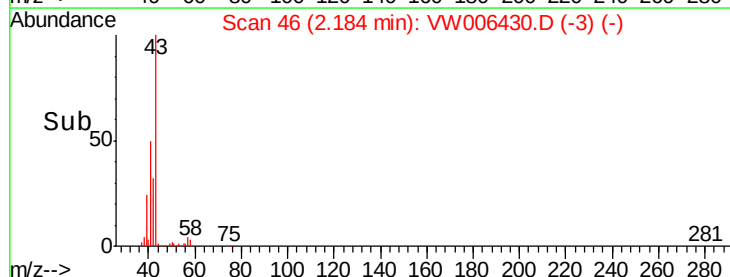
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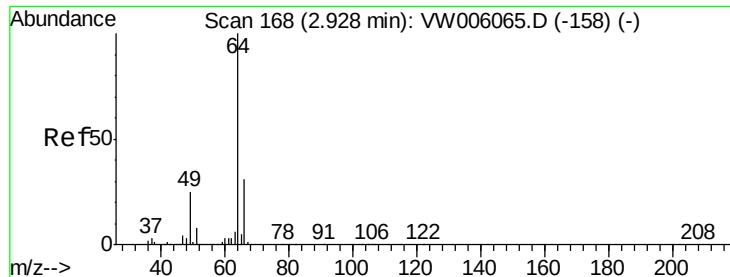
1000

500

0

Time--> 2.10 2.15 2.20 2.25





#6

Chloroethane

Concen: 1.147 ug/l

RT: 3.03 min Scan# 185

Delta R.T. 0.10 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

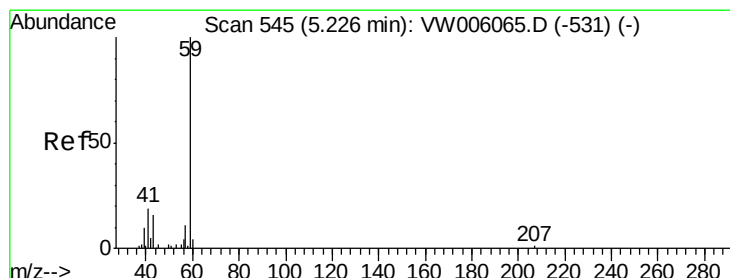
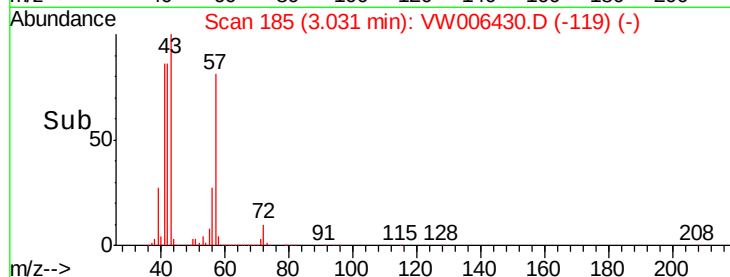
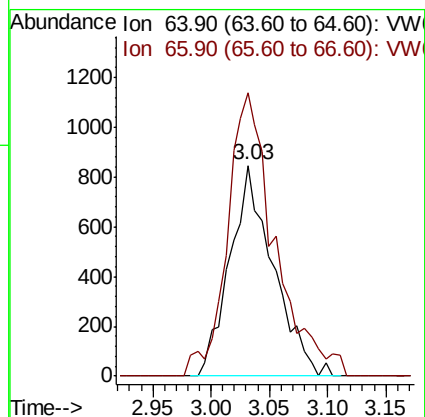
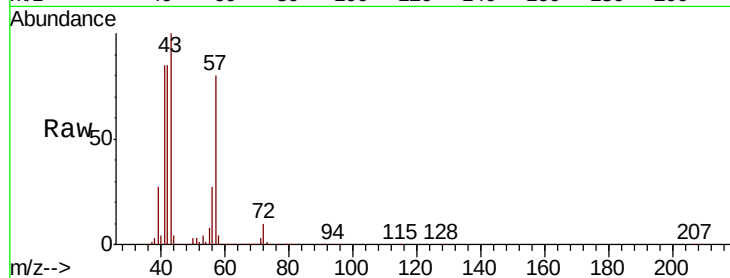
AOC2-01B

Tgt Ion: 64 Resp: 2188

Ion Ratio Lower Upper

64 100

66 124.3 24.9 37.3#



#11

Tert butyl alcohol

Concen: 22.385 ug/l

RT: 5.24 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW006430.D

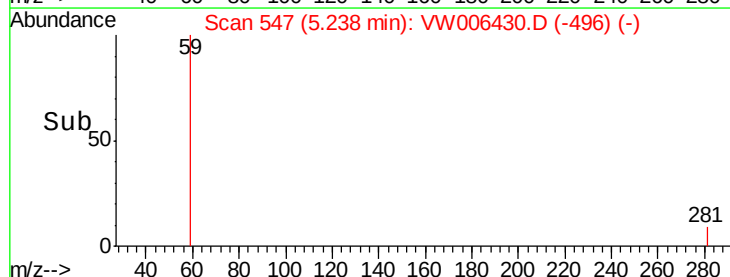
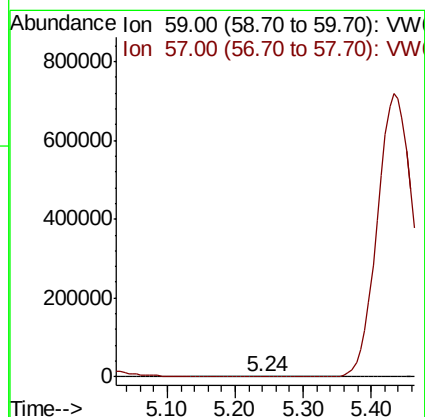
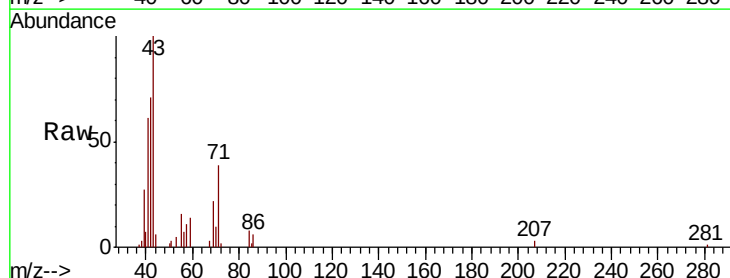
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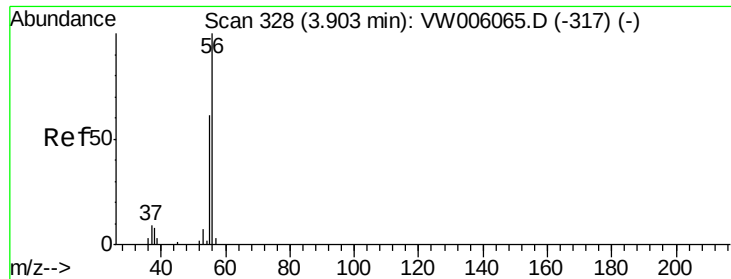
Tgt Ion: 59 Resp: 3652

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

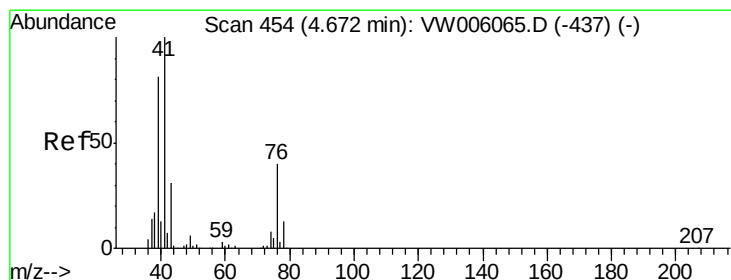
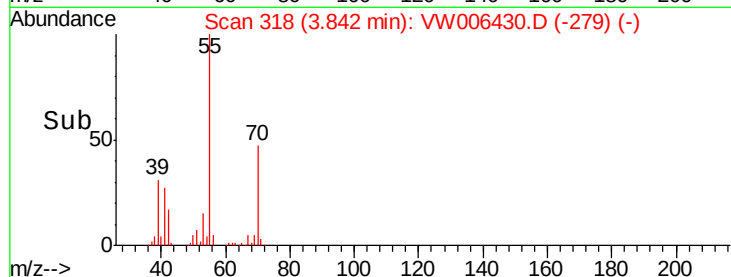
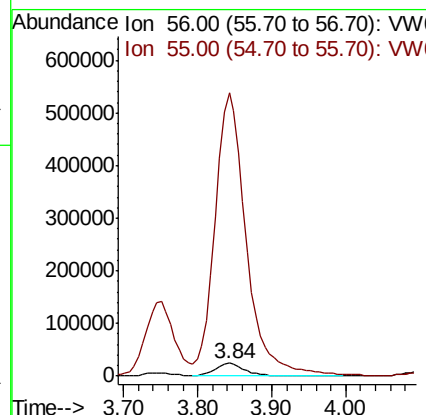
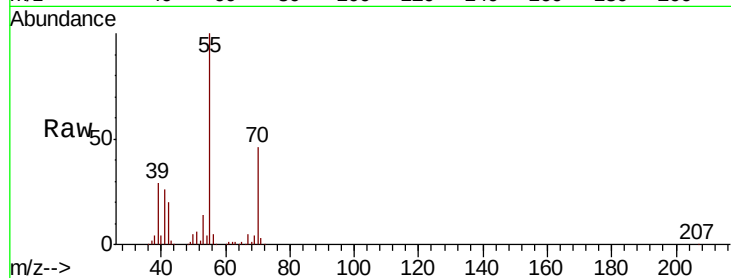




#13
 Acrolein
 Concen: 431.309 ug/l
 RT: 3.84 min Scan# 318
 Delta R.T. -0.06 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

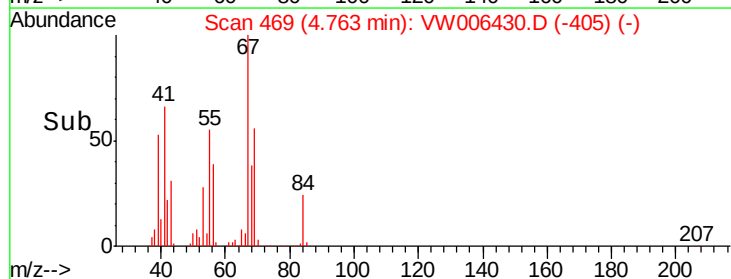
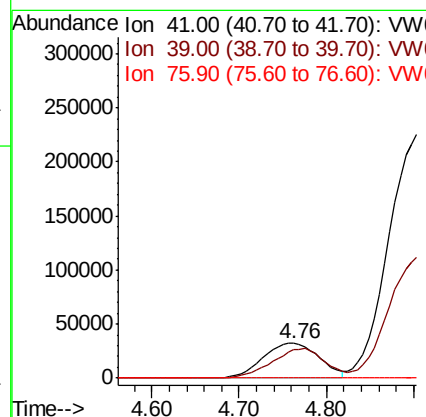
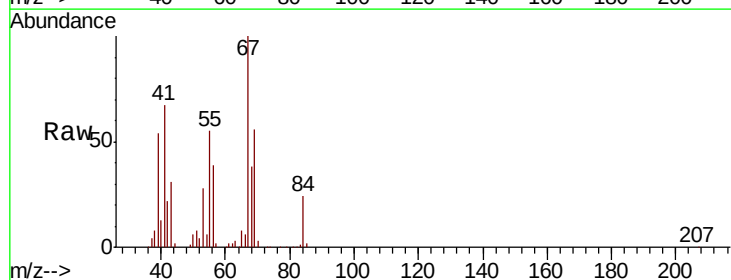
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

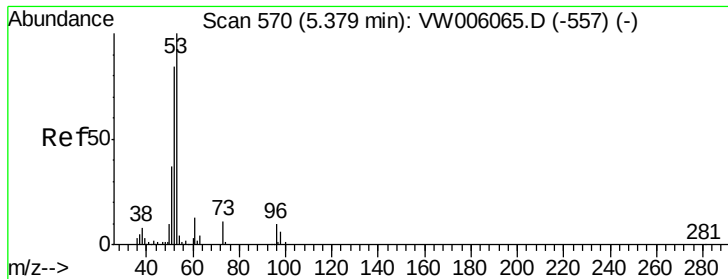
Tgt Ion: 56 Resp: 68088
 Ion Ratio Lower Upper
 56 100
 55 2284.8 54.5 81.7#



#14
 Allyl chloride
 Concen: 41.254 ug/l
 RT: 4.76 min Scan# 469
 Delta R.T. 0.09 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion: 41 Resp: 144206
 Ion Ratio Lower Upper
 41 100
 39 79.6 64.1 96.1
 76 0.0 32.2 48.4#





#15

Acrylonitrile

Concen: 222.137 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.05 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

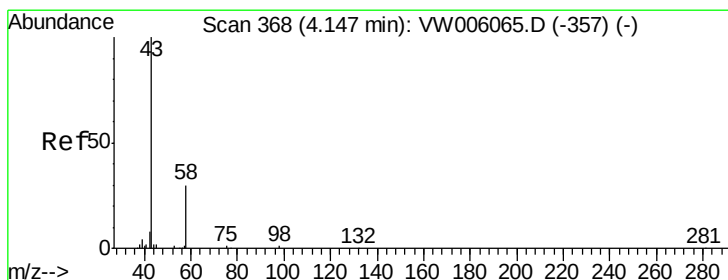
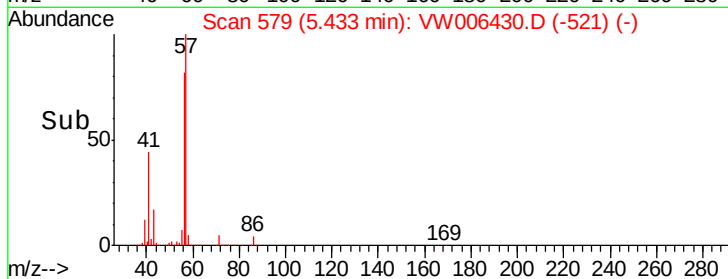
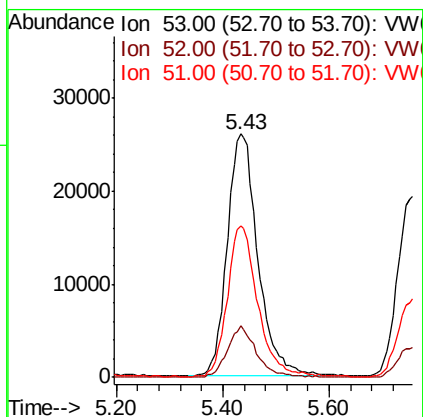
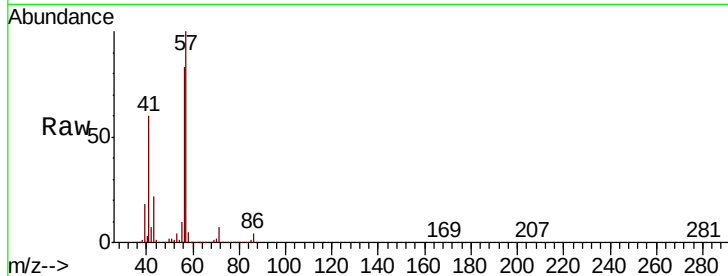
Tgt Ion: 53 Resp: 104995

Ion Ratio Lower Upper

53 100

52 19.9 66.9 100.3#

51 61.3 30.1 45.1#



#16

Acetone

Concen: 295.149 ug/l

RT: 4.10 min Scan# 361

Delta R.T. -0.04 min

Lab File: VW006430.D

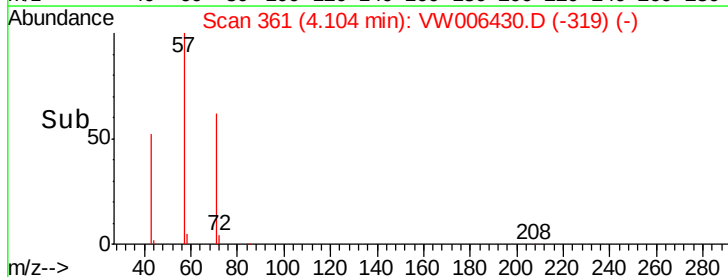
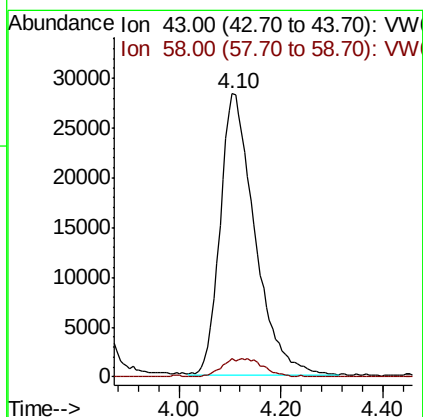
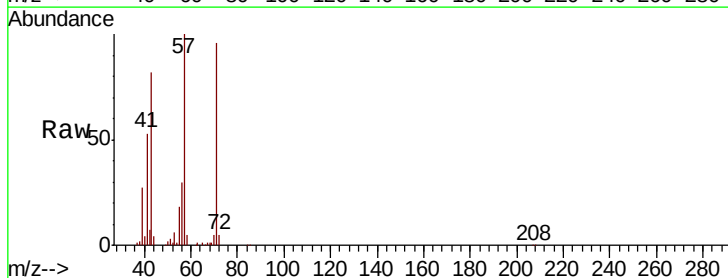
Acq: 27 Oct 2018 04:24

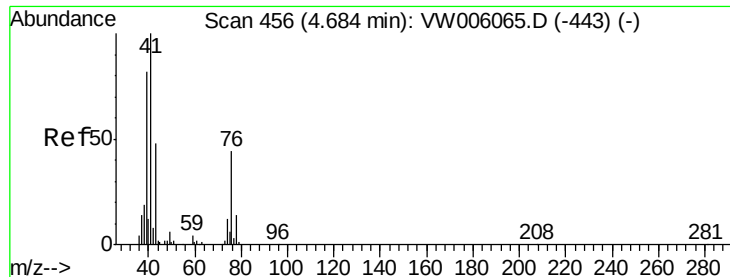
Tgt Ion: 43 Resp: 133103

Ion Ratio Lower Upper

43 100

58 6.6 24.0 36.0#

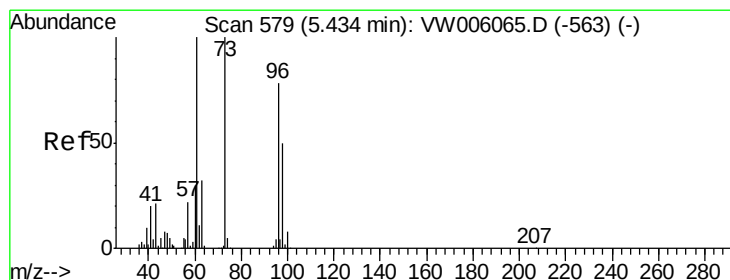
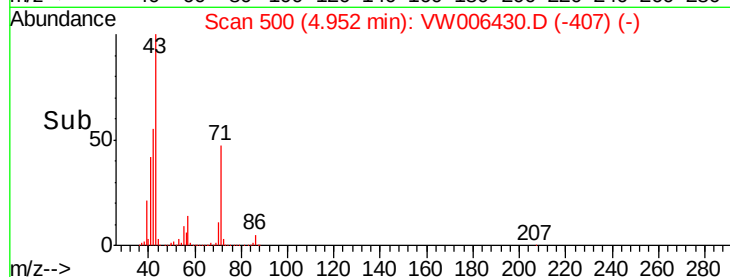
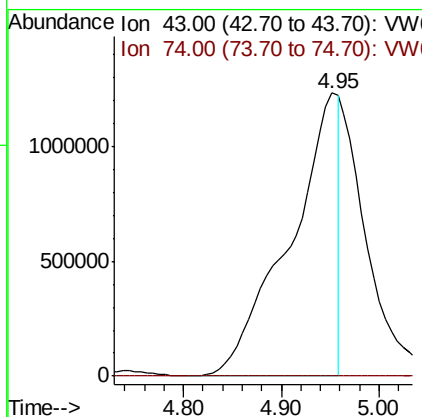
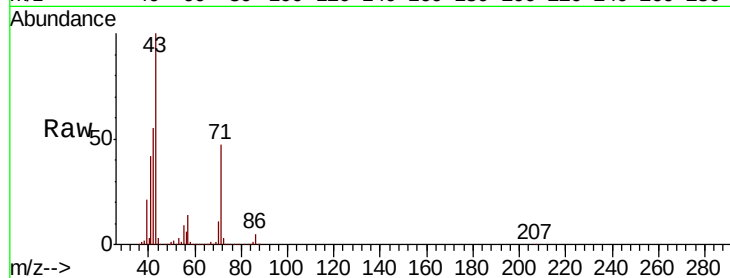




#18
Methyl Acetate
Concen: 3494.235 ug/l
RT: 4.95 min Scan# 500
Delta R.T. 0.27 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

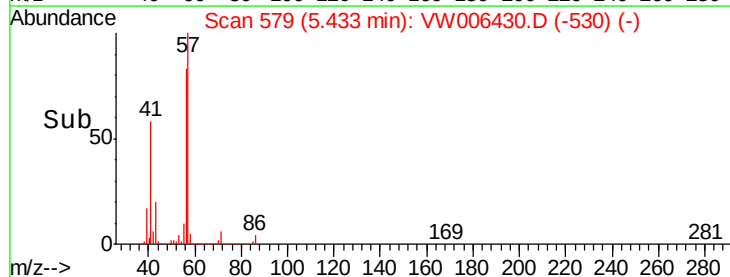
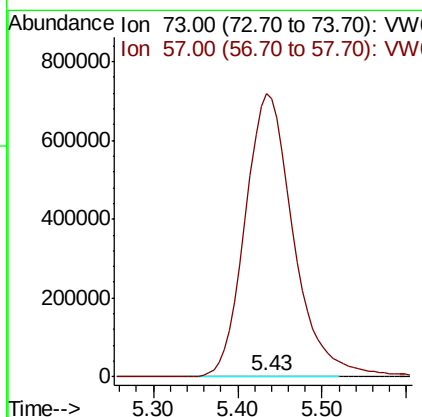
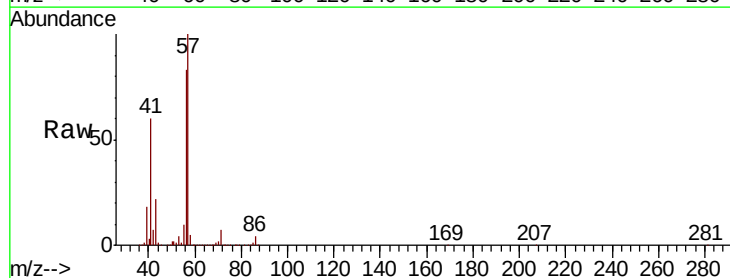
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ClientSampled :
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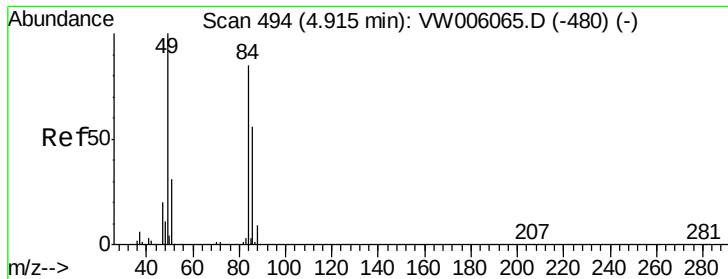
Tgt Ion: 43 Resp: 4265607
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#19
Methyl tert-butyl Ether
Concen: 2.583 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 73 Resp: 9618
Ion Ratio Lower Upper
73 100
57 26874.5 17.4 26.2#

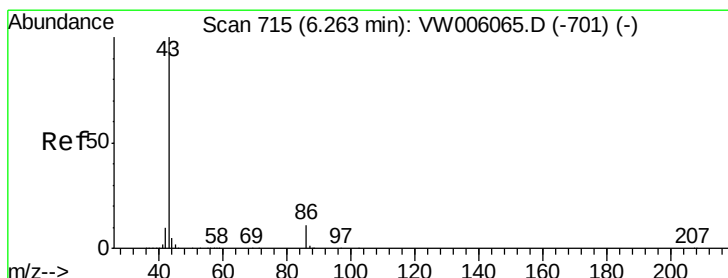
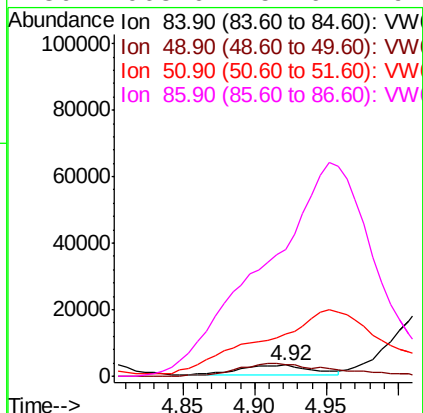
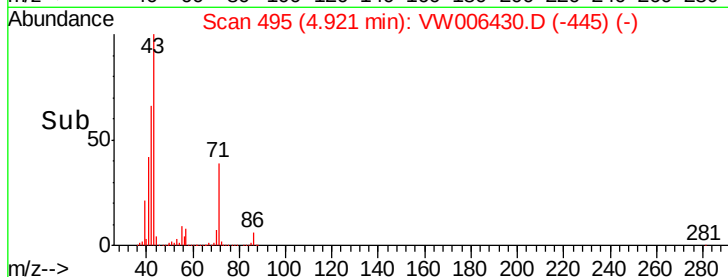
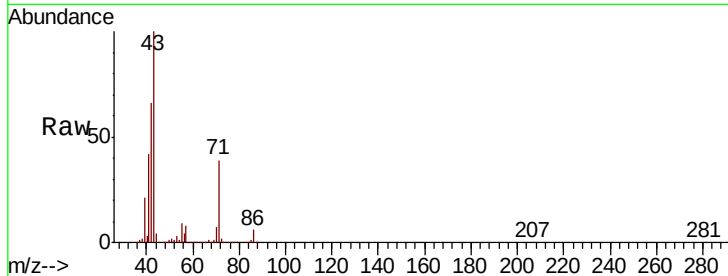




#20
Methylene Chloride
Concen: 2.796 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

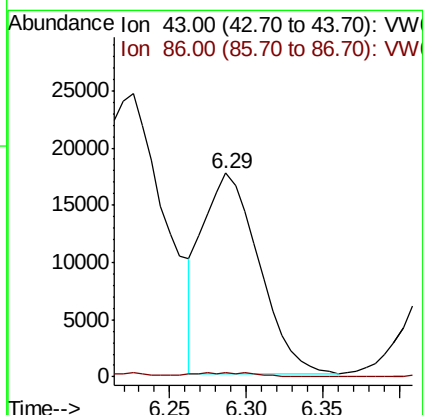
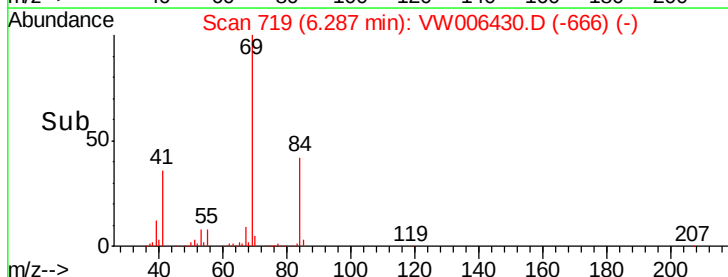
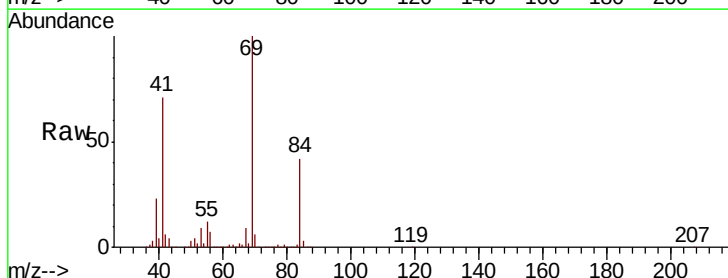
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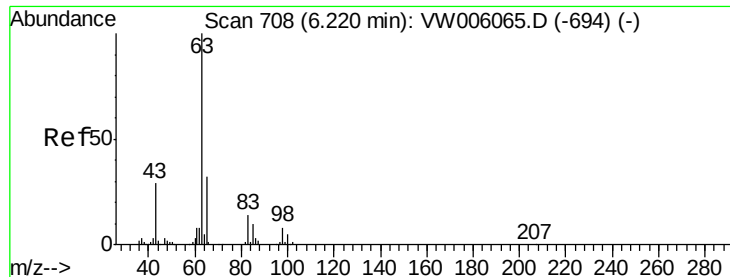
Tgt Ion: 84 Resp: 11120
Ion Ratio Lower Upper
84 100
49 109.3 93.6 140.4
51 347.1 29.0 43.4#
86 1063.0 52.6 79.0#



#23
Vinyl Acetate
Concen: 10.995 ug/l
RT: 6.29 min Scan# 719
Delta R.T. 0.02 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 43 Resp: 44821
Ion Ratio Lower Upper
43 100
86 1.9 9.0 13.6#





#24

1,1-Dichloroethane

Concen: 2.036 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampled :

AOC2-01B

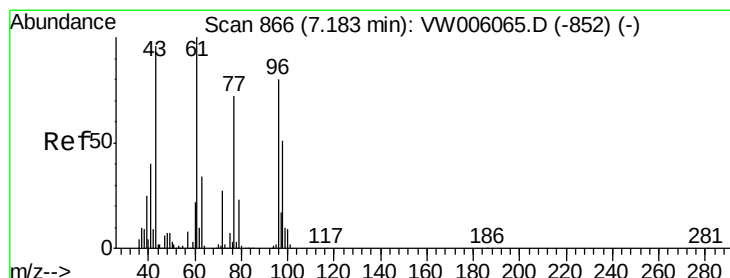
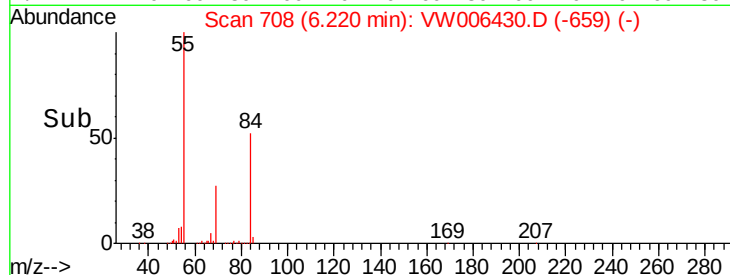
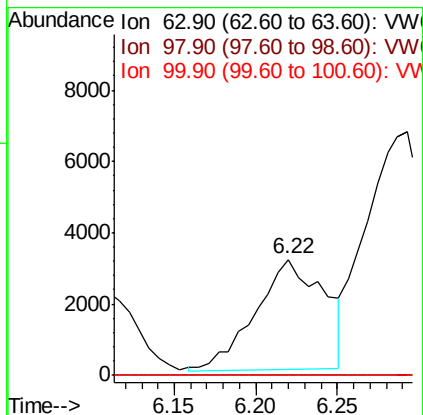
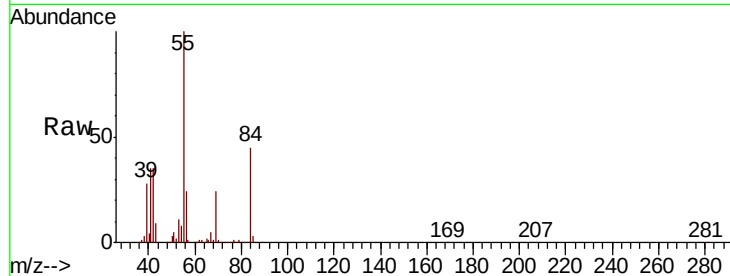
Tgt Ion: 63 Resp: 9077

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#



#25

2-Butanone

Concen: 99.890 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006430.D

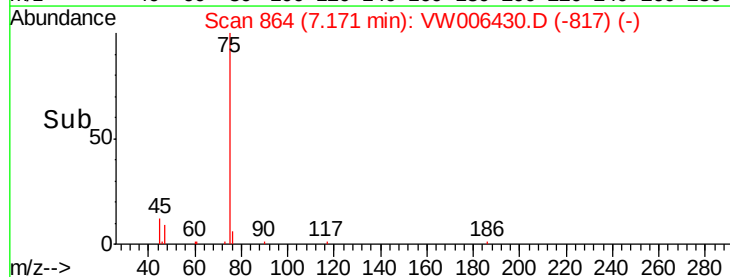
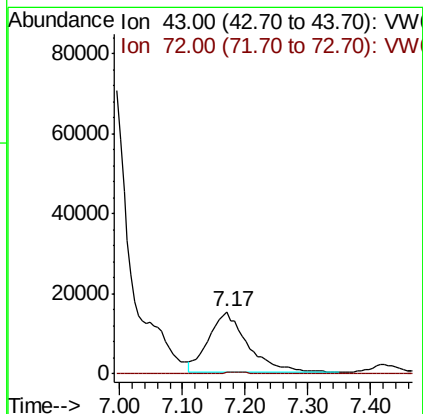
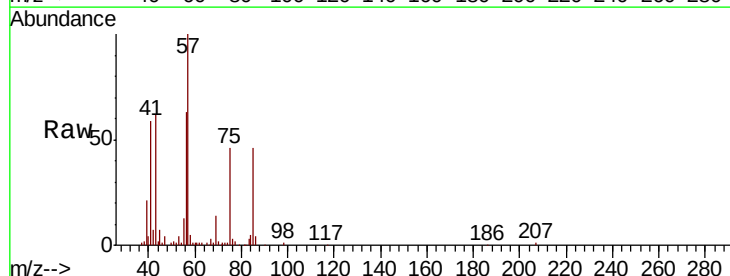
Acq: 27 Oct 2018 04:24

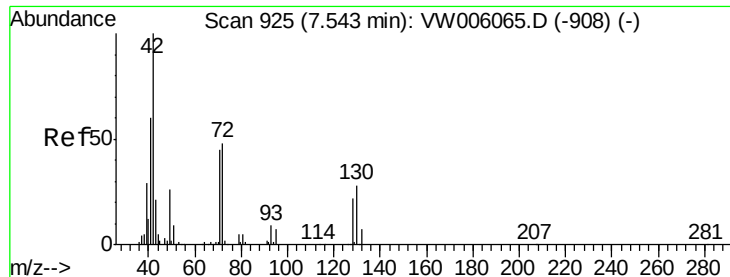
Tgt Ion: 43 Resp: 65460

Ion Ratio Lower Upper

43 100

72 2.0 22.8 34.2#





#29

Tetrahydrofuran

Concen: 10.782 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

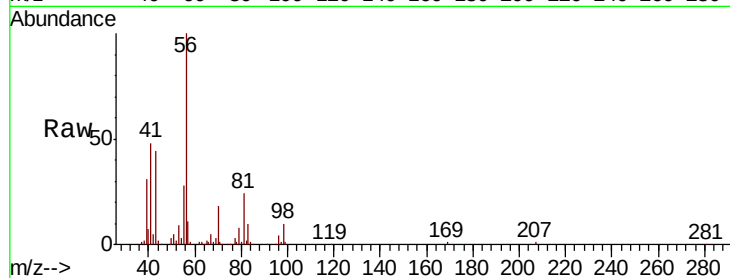
Tgt Ion: 42 Resp: 4343

Ion Ratio Lower Upper

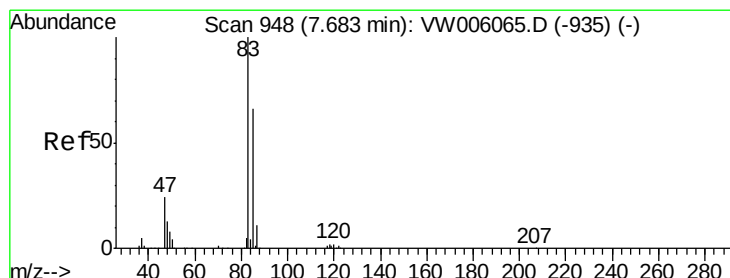
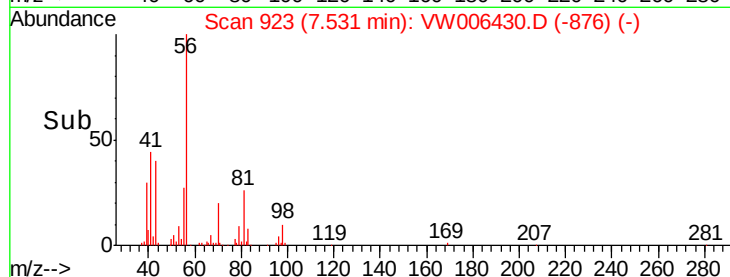
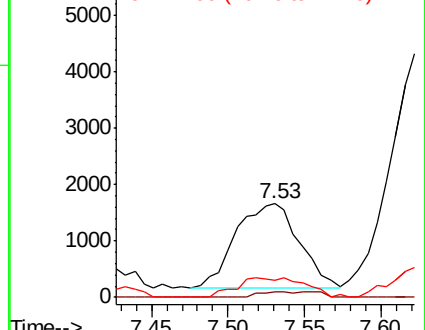
42 100

72 0.0 38.0 57.0#

71 0.0 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 6.782 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.01 min

Lab File: VW006430.D

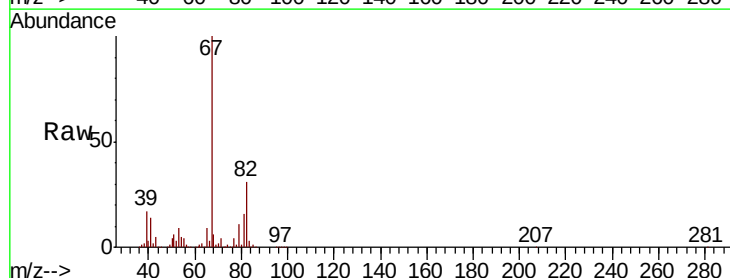
Acq: 27 Oct 2018 04:24

Tgt Ion: 83 Resp: 32937

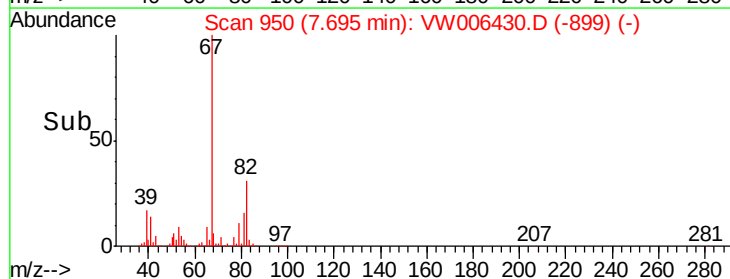
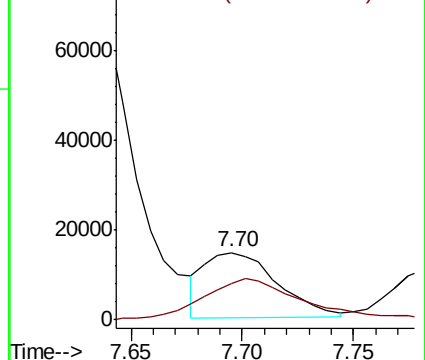
Ion Ratio Lower Upper

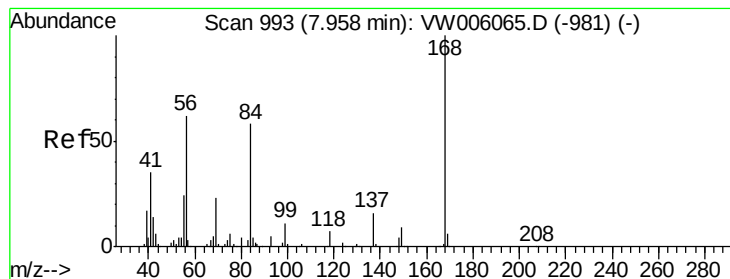
83 100

85 41.8 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 223.991 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

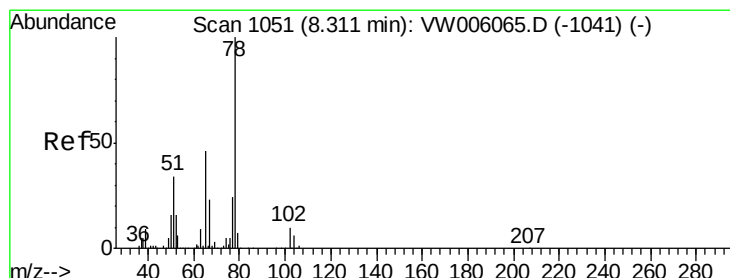
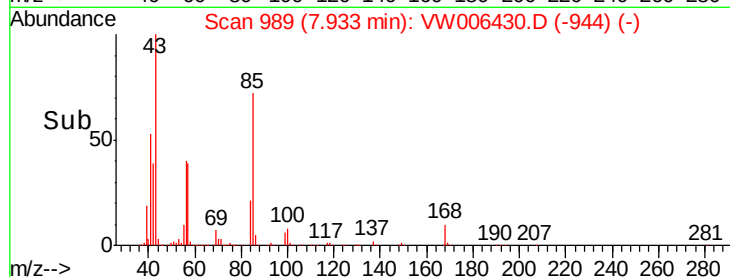
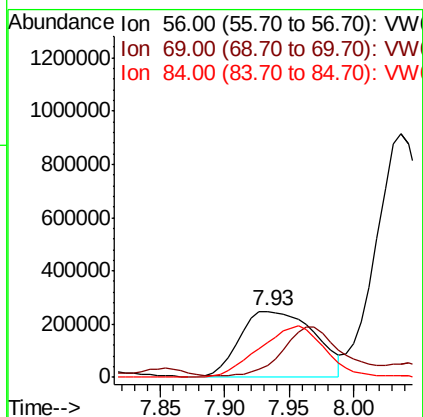
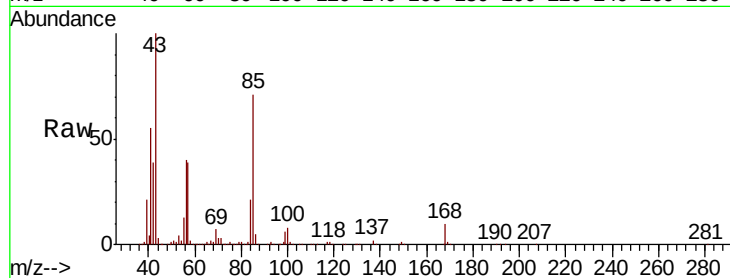
Tgt Ion: 56 Resp: 994258

Ion Ratio Lower Upper

56 100

69 12.5 29.4 44.0#

84 52.9 74.0 111.0#



#33

1,2-Dichloroethane-d4

Concen: 52.604 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006430.D

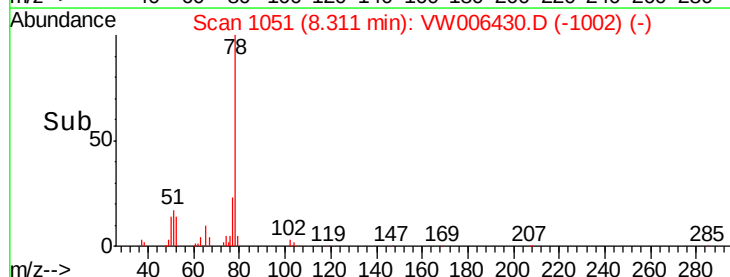
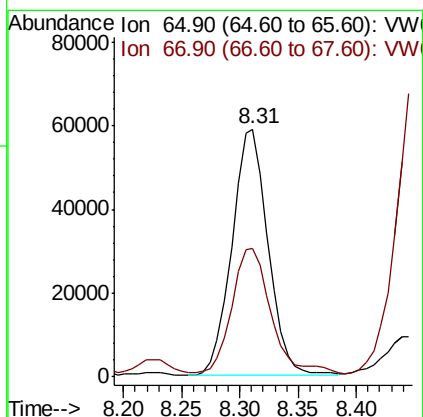
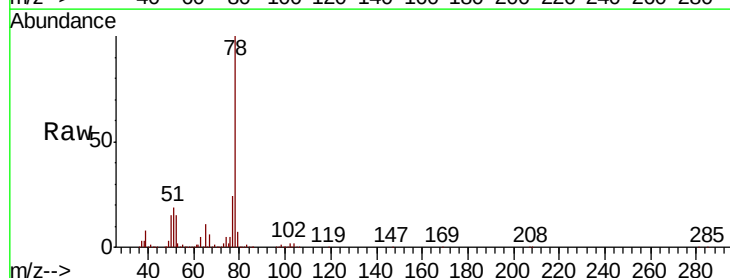
Acq: 27 Oct 2018 04:24

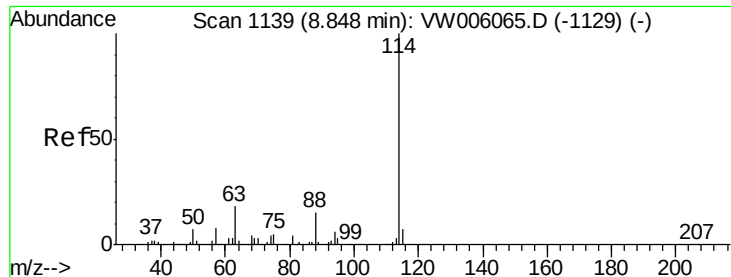
Tgt Ion: 65 Resp: 127606

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.0

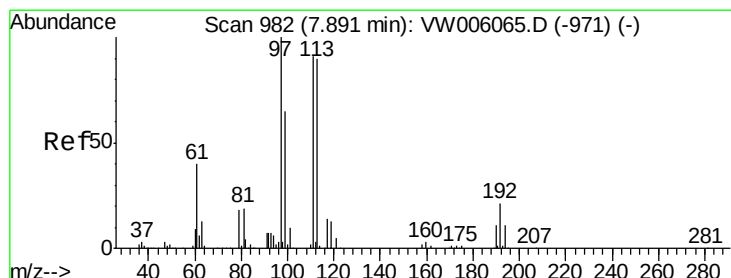
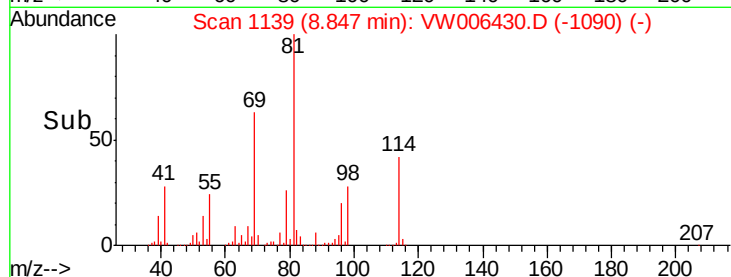
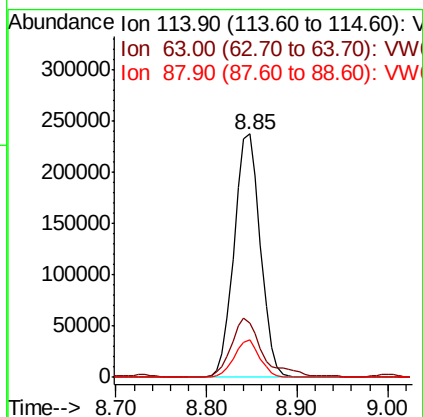
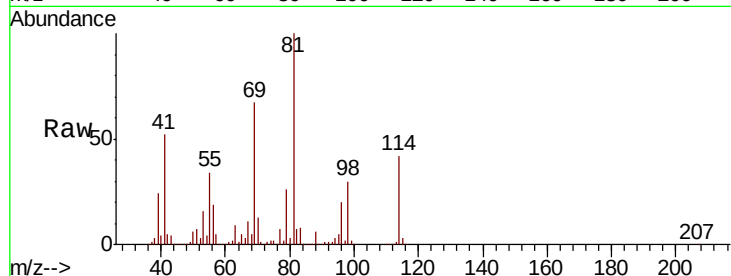




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

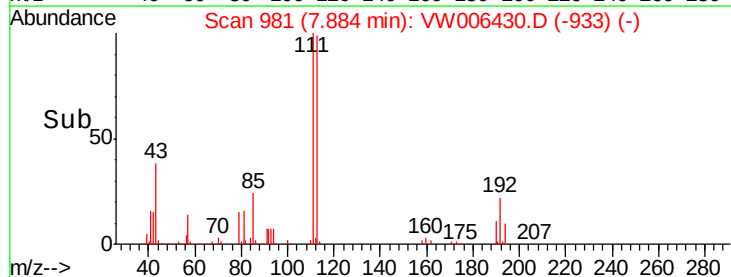
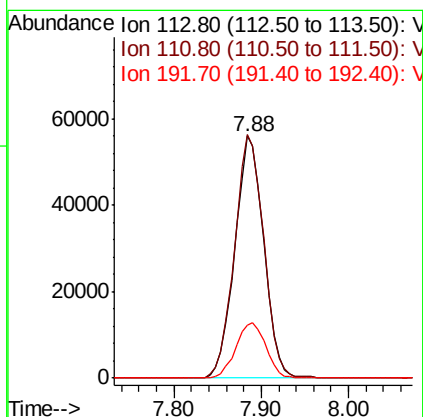
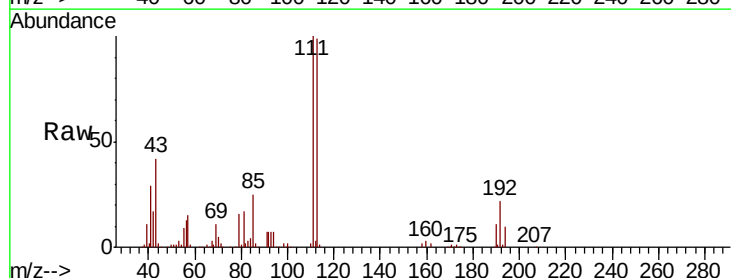
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

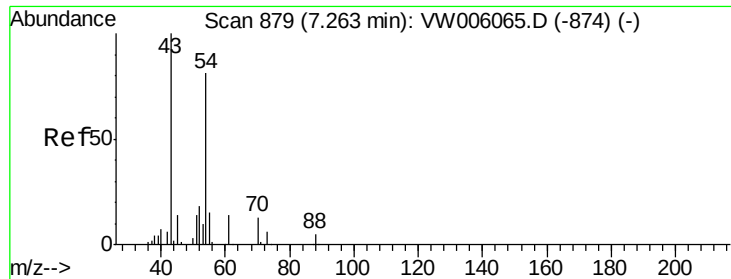
Tgt Ion:114 Resp: 475790
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 36.8
 88 15.3 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 45.819 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion:113 Resp: 128816
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 23.7 18.7 28.1

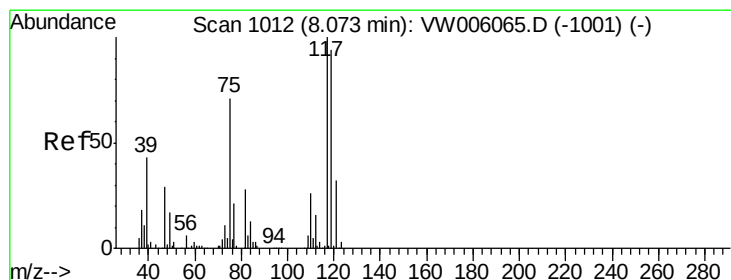
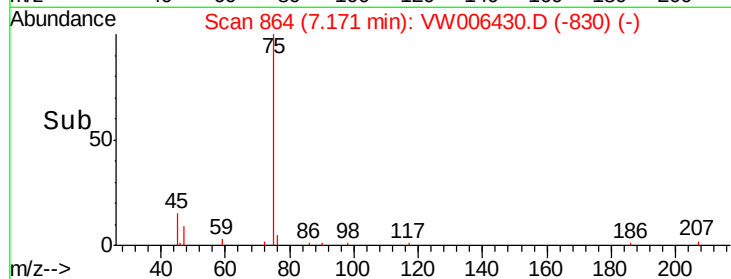
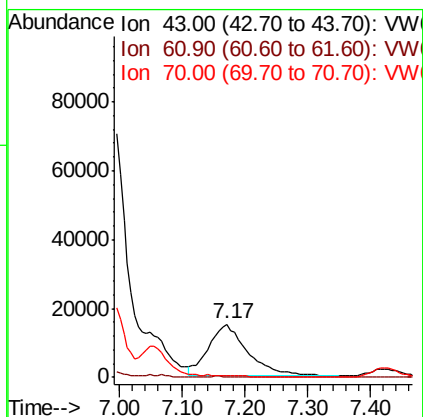
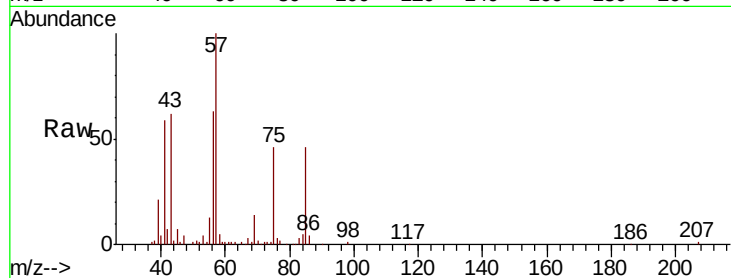




#37
Ethyl Acetate
Concen: 40.175 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

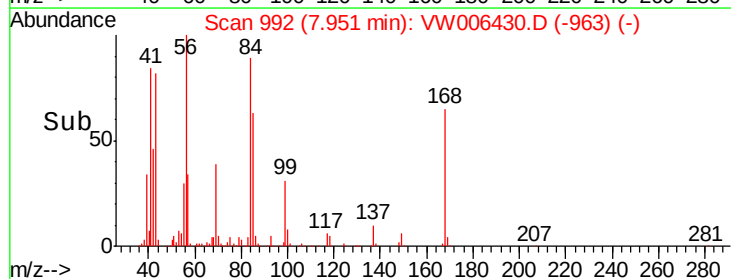
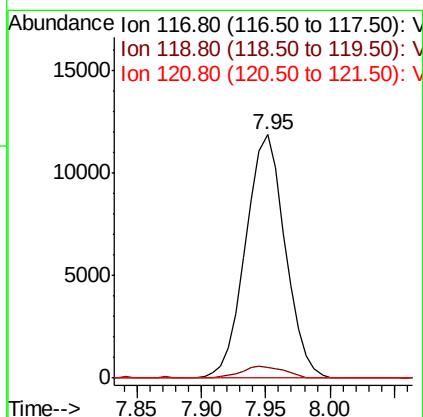
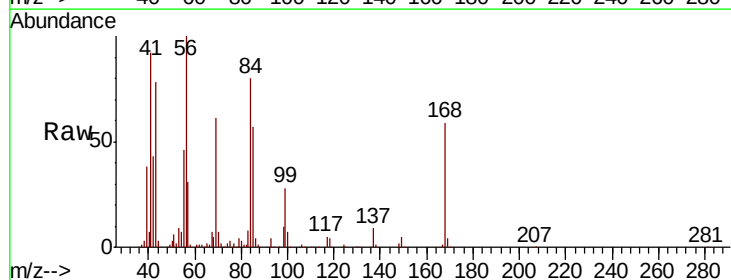
Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

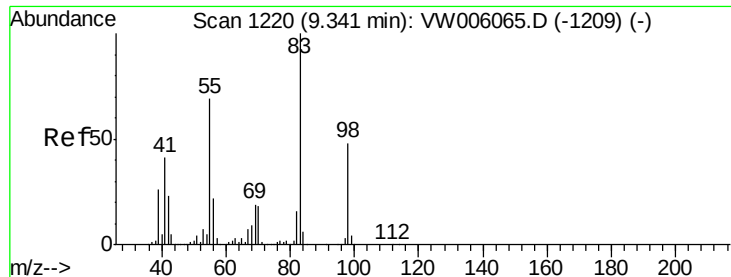
Tgt Ion: 43 Resp: 65460
Ion Ratio Lower Upper
43 100
61 1.8 11.5 17.3#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 117 Resp: 25205
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 25.3 37.9#

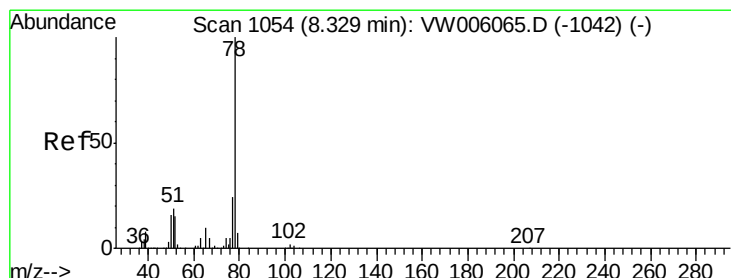
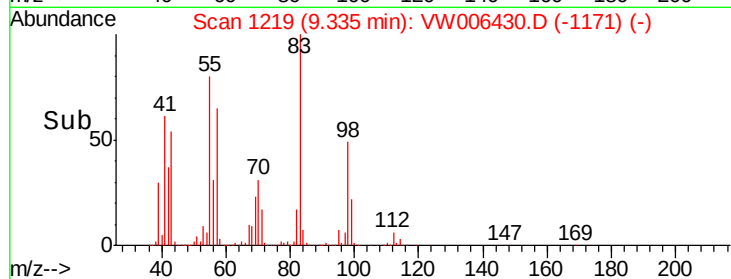
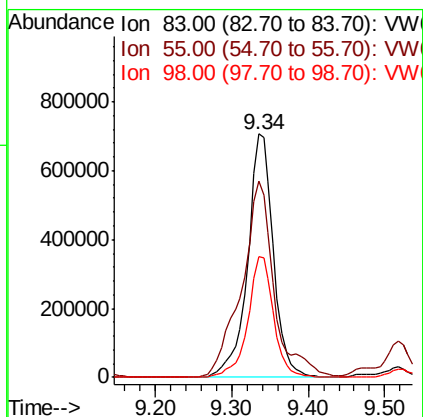
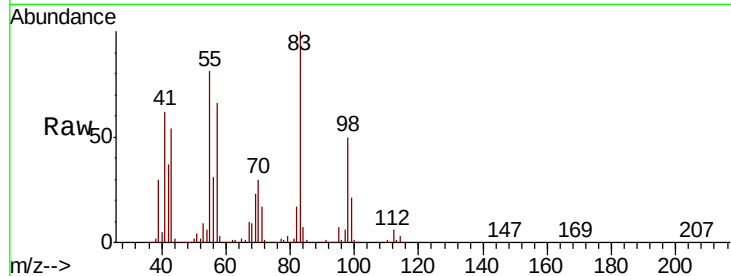




#39
Methylcyclohexane
Concen: 283.443 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

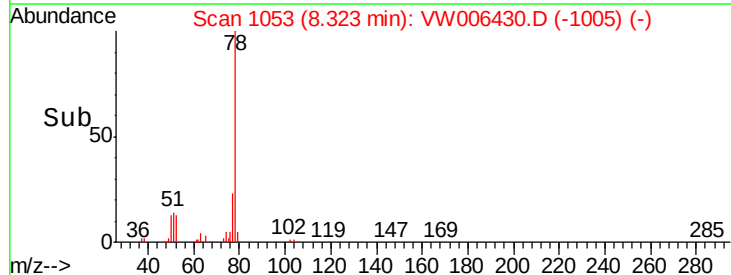
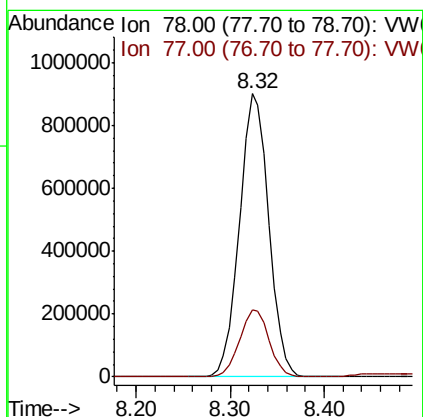
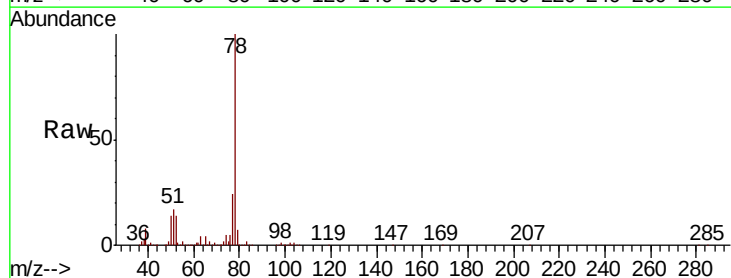
Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

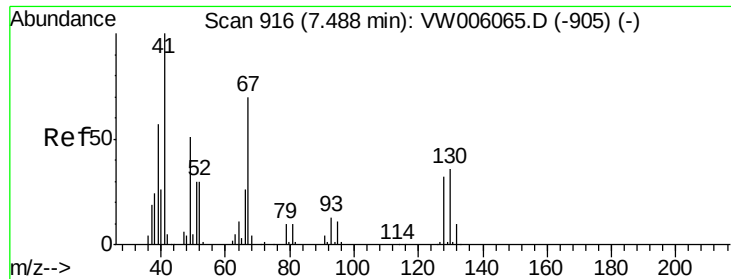
Tgt Ion: 83 Resp: 1652321
Ion Ratio Lower Upper
83 100
55 80.8 55.0 82.6
98 49.6 38.6 57.8



#40
Benzene
Concen: 162.531 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 78 Resp: 1955190
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

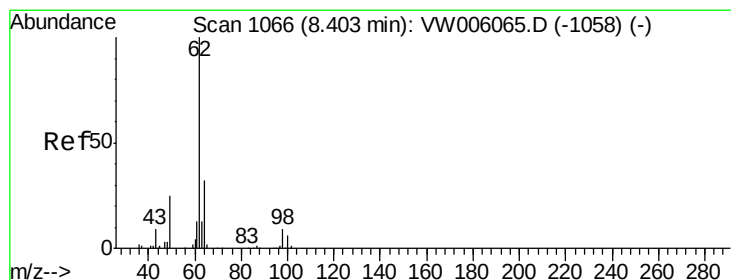
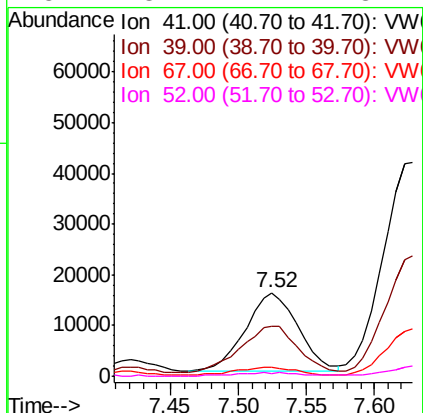
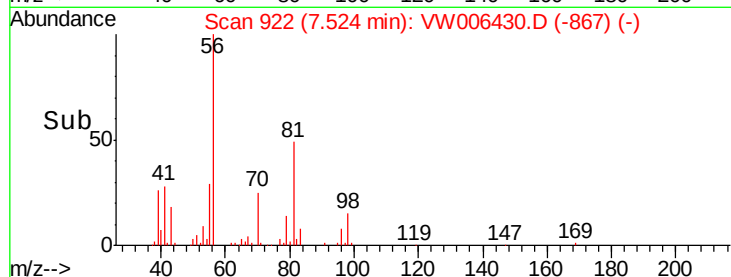
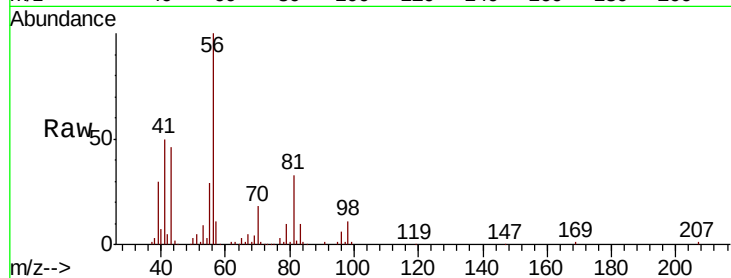




#41
Methacrylonitrile
Concen: 42.978 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

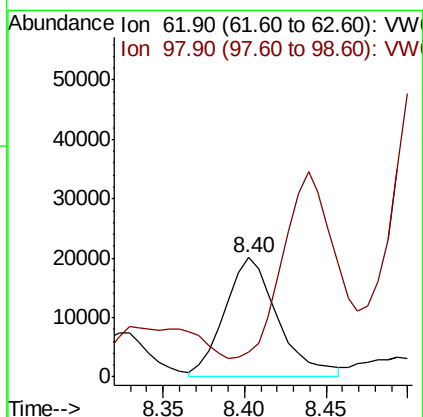
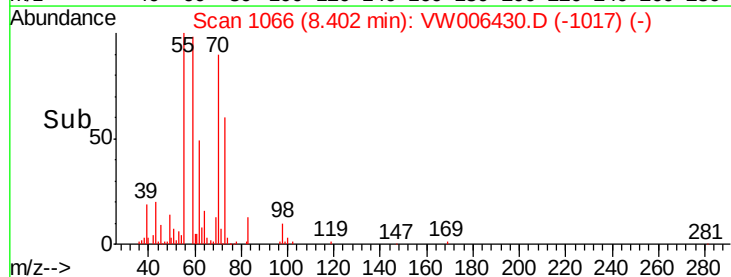
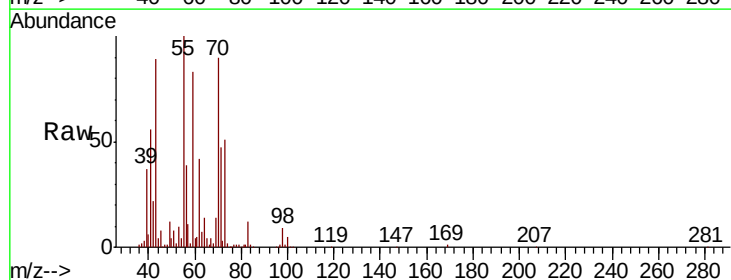
Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

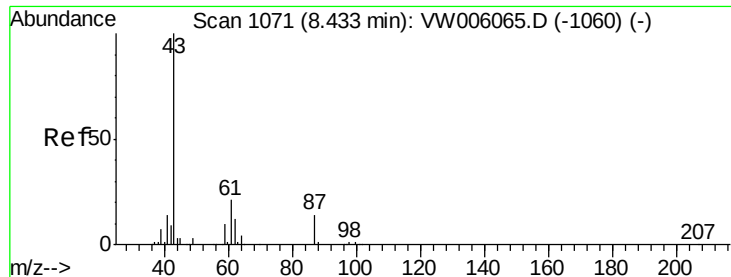
Tgt Ion: 41 Resp: 42215
Ion Ratio Lower Upper
41 100
39 63.2 46.2 69.4
67 0.0 57.7 86.5#
52 3.7 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 12.901 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 62 Resp: 45595
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 47.524 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

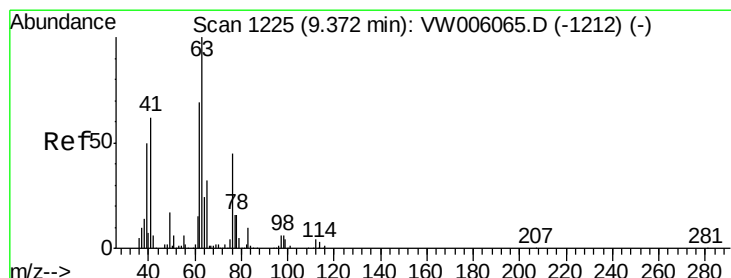
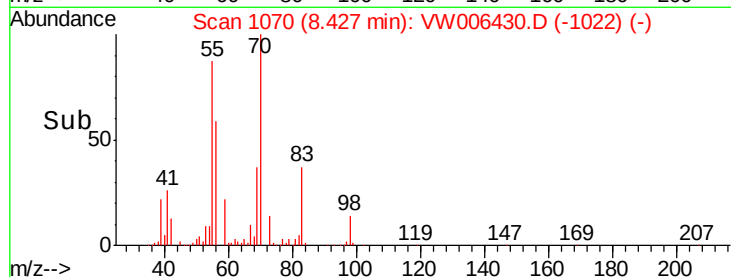
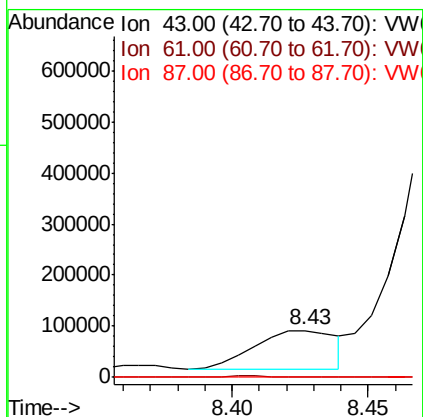
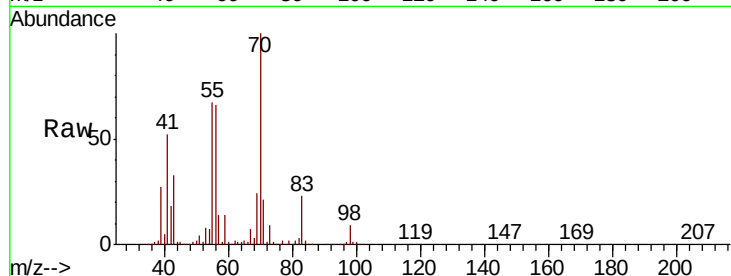
Tgt Ion: 43 Resp: 158325

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 0.0 11.7 17.5#



#45

1,2-Dichloropropane

Concen: 8.832 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.04 min

Lab File: VW006430.D

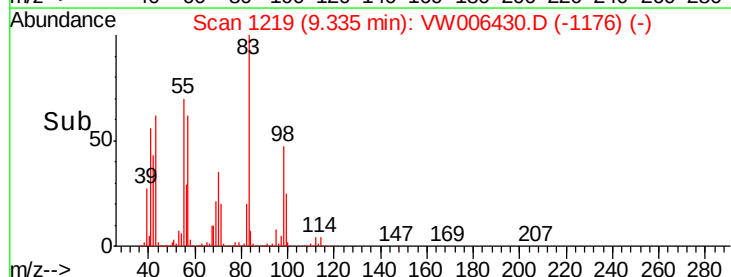
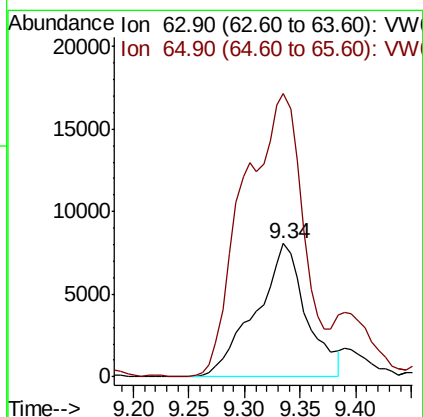
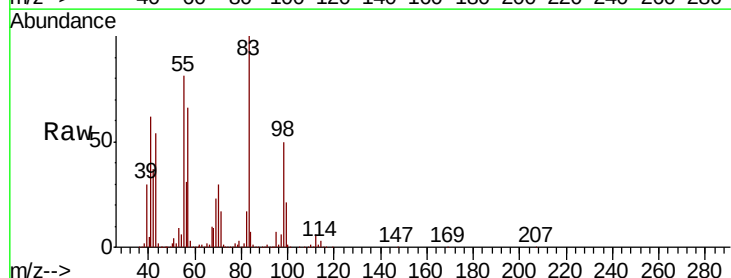
Acq: 27 Oct 2018 04:24

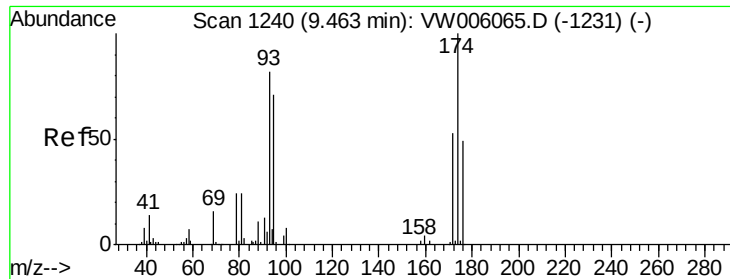
Tgt Ion: 63 Resp: 25424

Ion Ratio Lower Upper

63 100

65 211.9 25.4 38.0#





#46

Dibromomethane

Concen: 3.348 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.06 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

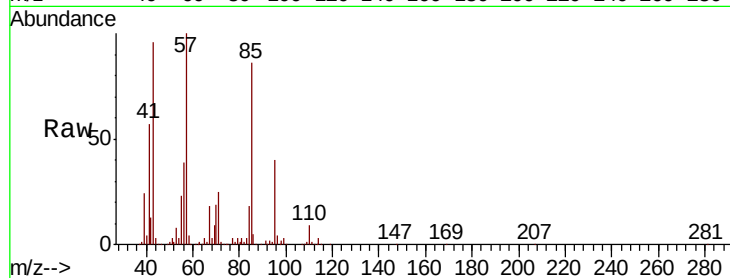
Tgt Ion: 93 Resp: 5493

Ion Ratio Lower Upper

93 100

95 1579.8 67.7 101.5#

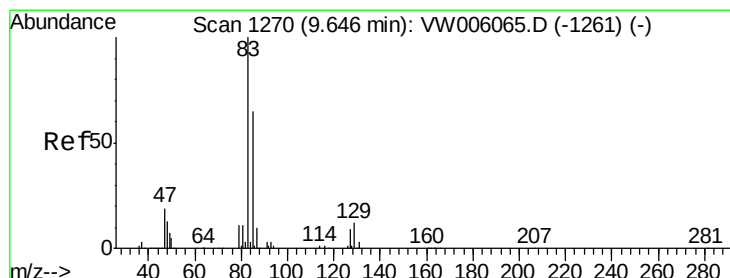
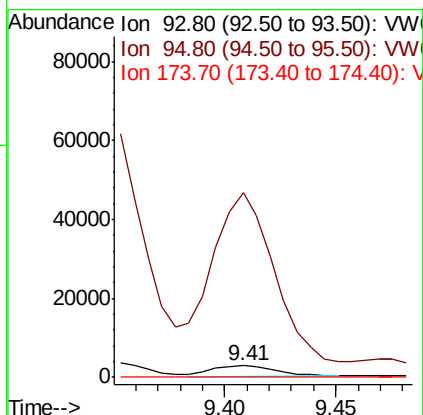
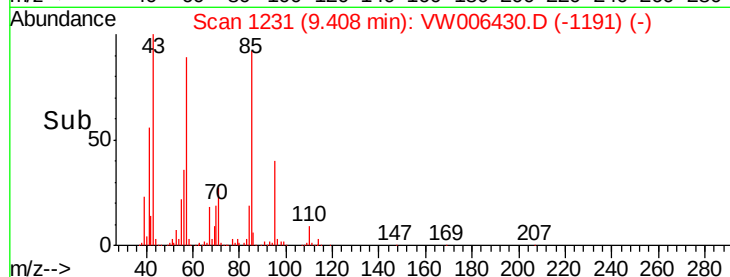
174 0.0 93.7 140.5#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 32.340 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

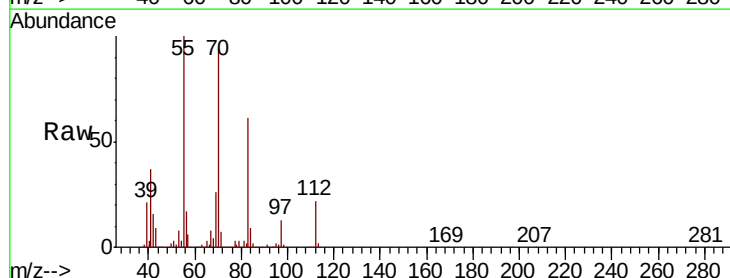
Tgt Ion: 83 Resp: 128640

Ion Ratio Lower Upper

83 100

85 2.2 51.8 77.8#

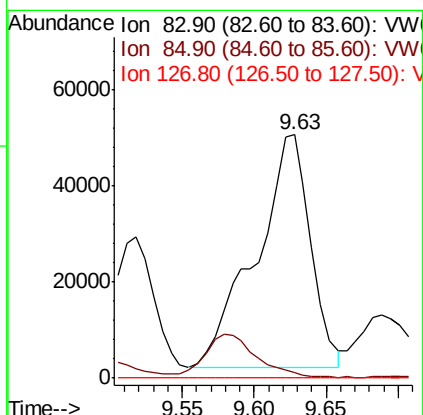
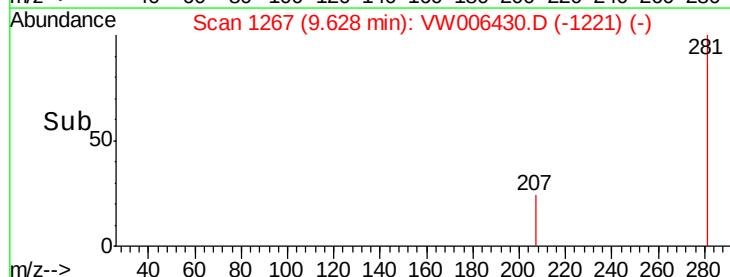
127 0.0 6.9 10.3#

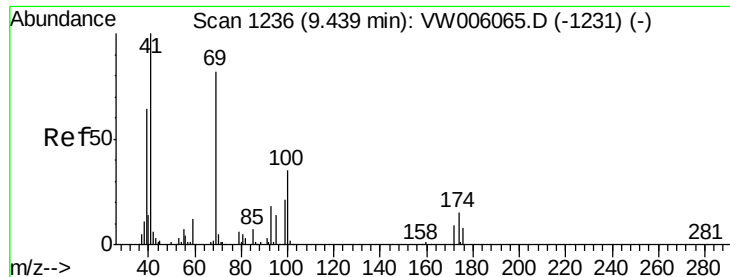


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

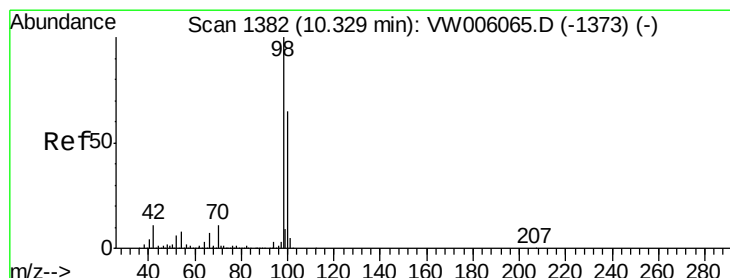
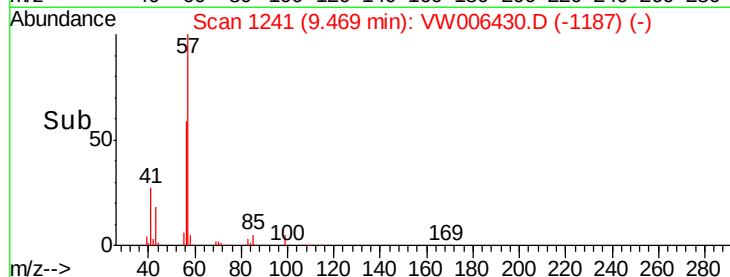
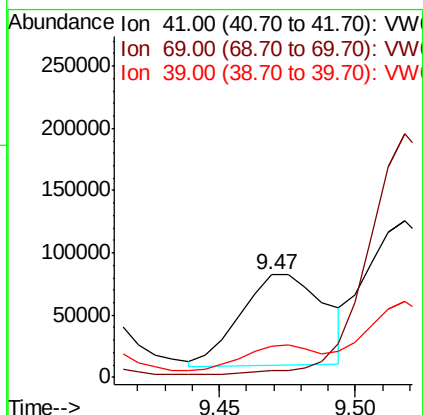
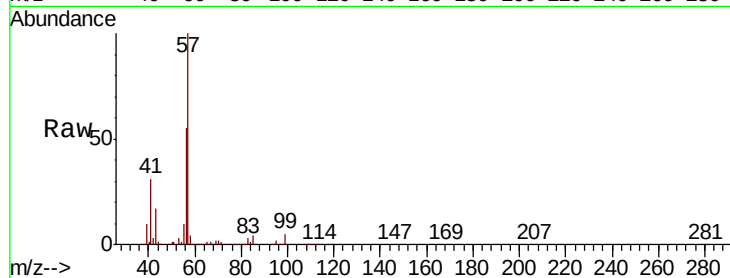




#48
Methyl methacrylate
Concen: 100.449 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

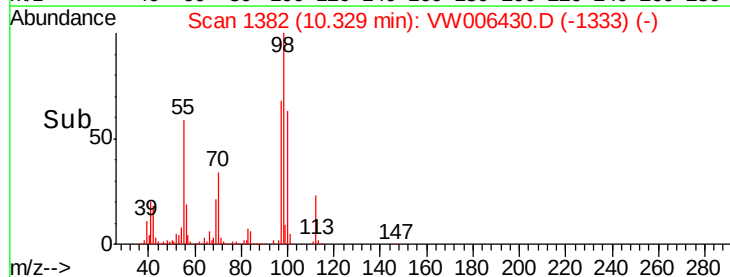
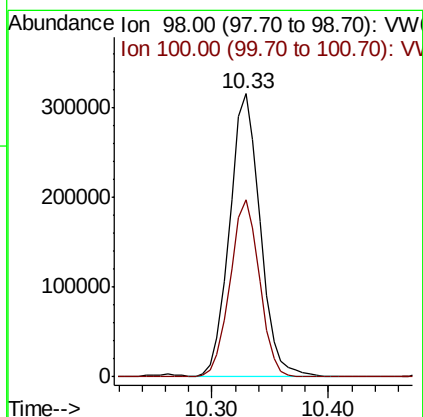
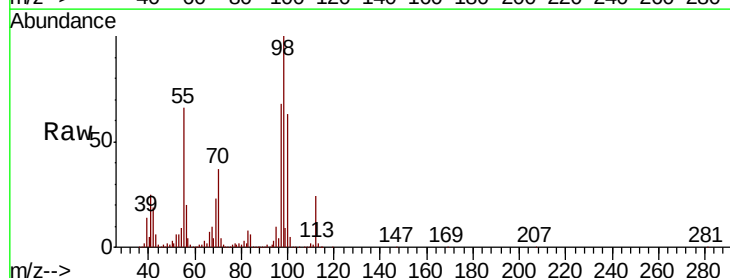
Instrument :
MSVOA_W
ClientSampled :
AOC2-01B

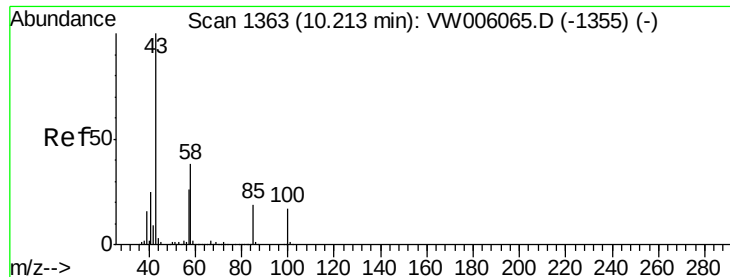
Tgt Ion: 41 Resp: 158625
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 28.0 52.5 78.7#



#50
Toluene-d8
Concen: 54.056 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 98 Resp: 578188
Ion Ratio Lower Upper
98 100
100 59.8 51.6 77.4

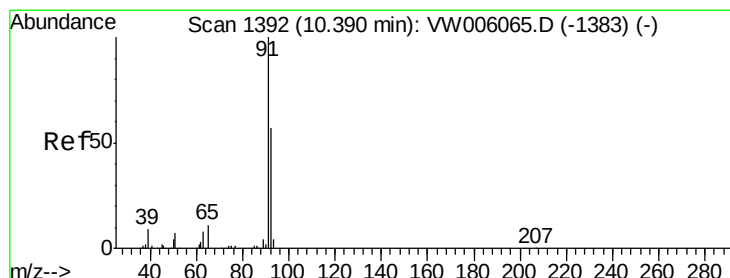
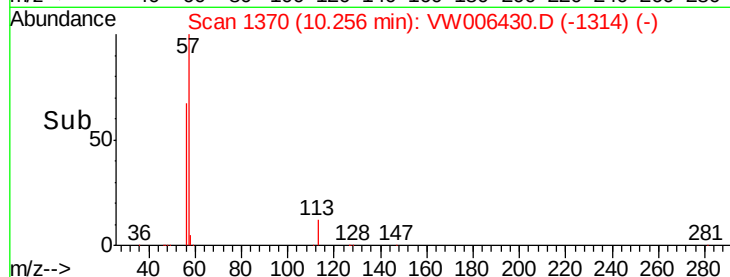
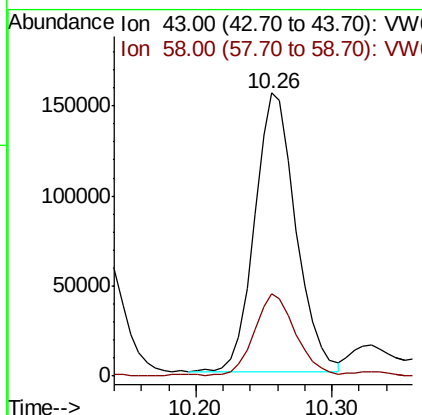
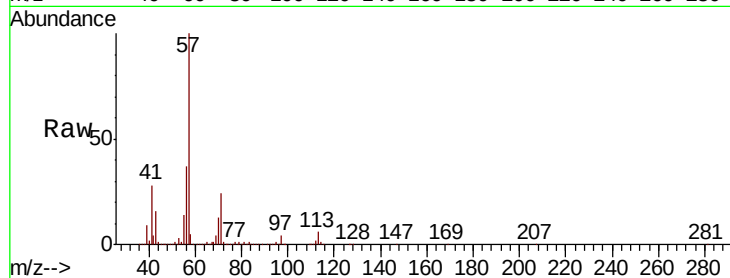




#51
 4-Methyl-2-Pentanone
 Concen: 195.769 ug/l
 RT: 10.26 min Scan# 1370
 Delta R.T. 0.04 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

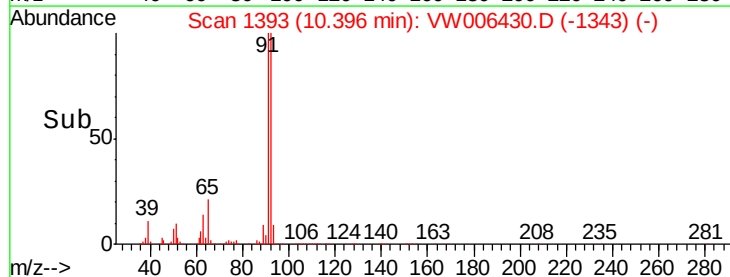
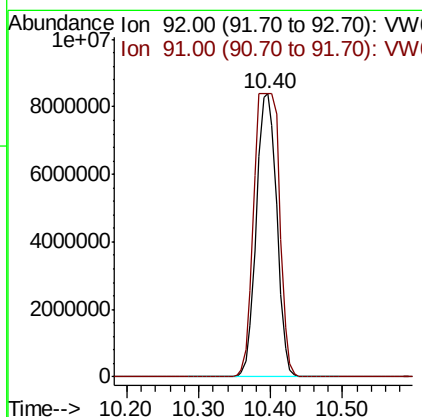
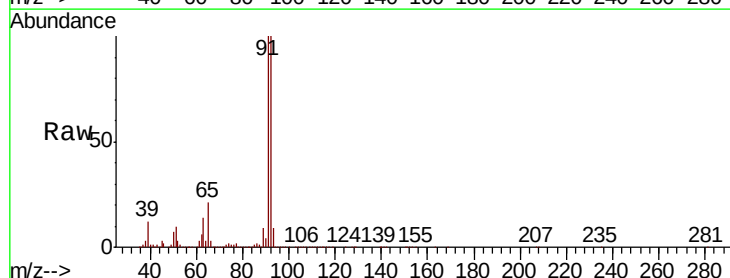
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

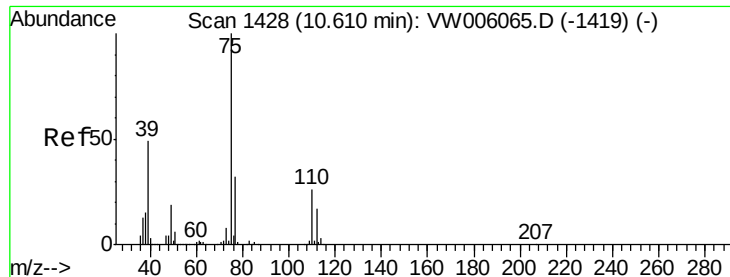
Tgt Ion: 43 Resp: 326775
 Ion Ratio Lower Upper
 43 100
 58 28.8 31.5 47.3#



#52
 Toluene
 Concen: 2051.793 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion: 92 Resp: 16547620
 Ion Ratio Lower Upper
 92 100
 91 126.0 140.0 210.0#





#53

t-1,3-Dichloropropene

Concen: 50.130 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.21 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

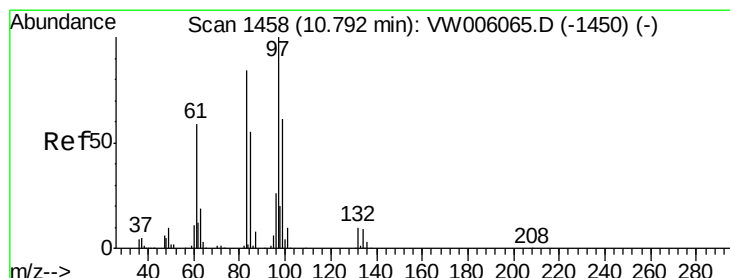
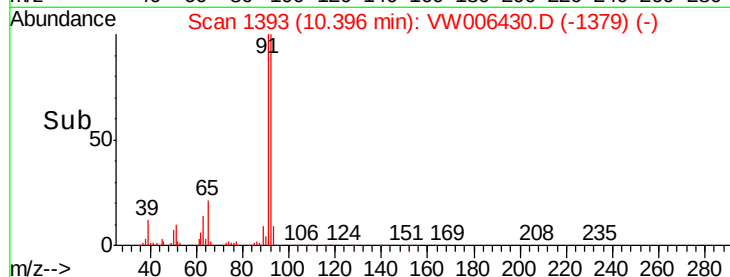
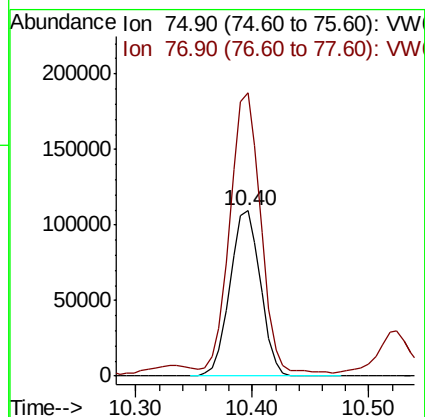
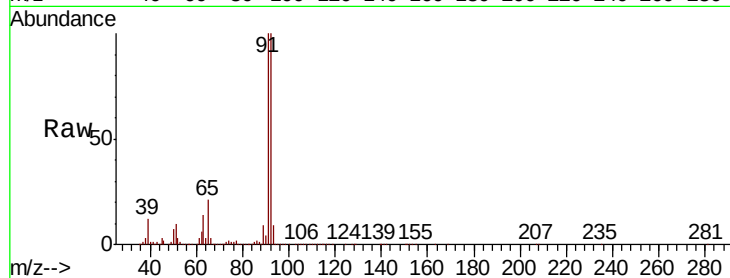
AOC2-01B

Tgt Ion: 75 Resp: 198671

Ion Ratio Lower Upper

75 100

77 168.7 25.4 38.2#



#55

1,1,2-Trichloroethane

Concen: 160.920 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Tgt Ion: 97 Resp: 369462

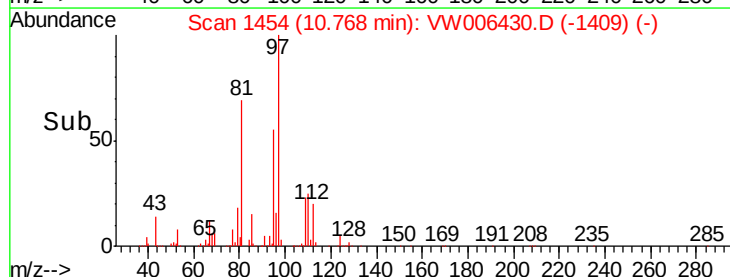
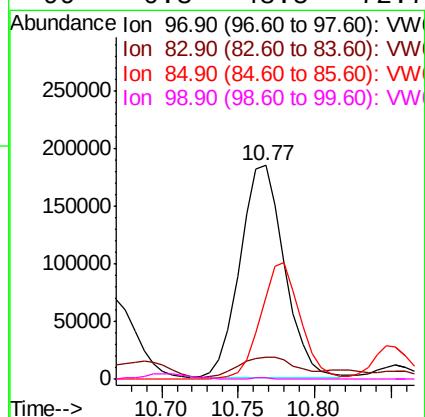
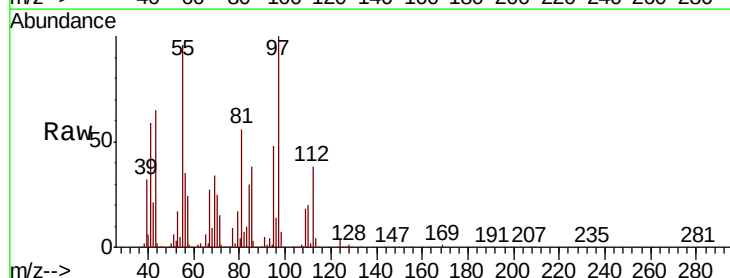
Ion Ratio Lower Upper

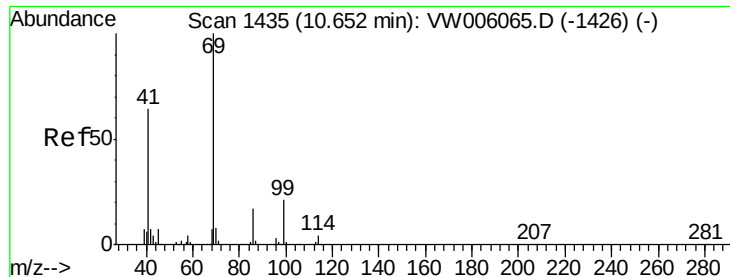
97 100

83 9.3 67.2 100.8#

85 38.3 43.7 65.5#

99 0.3 48.5 72.7#

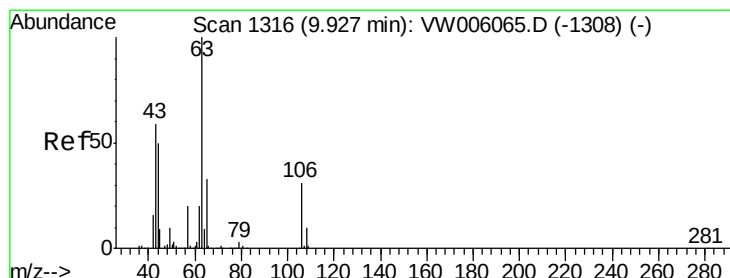
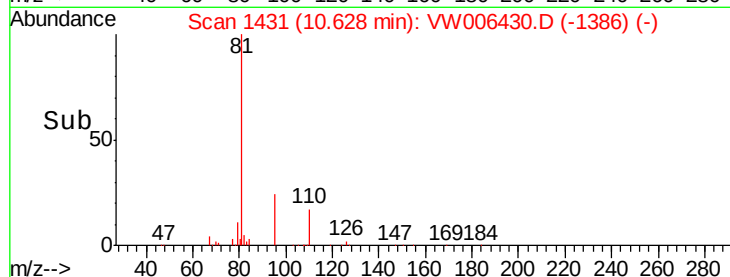
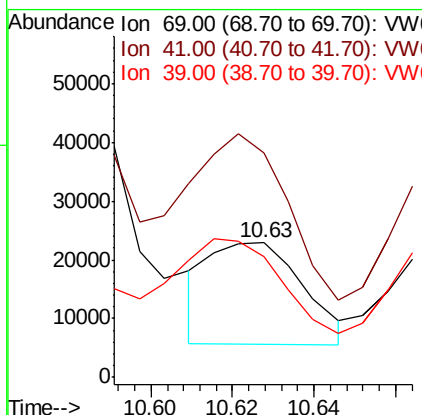
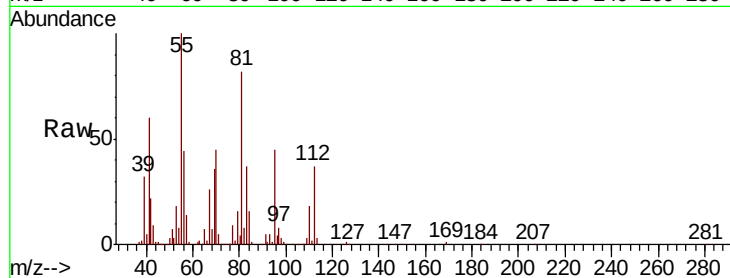




#56
Ethyl methacrylate
Concen: 9.780 ug/l
RT: 10.63 min Scan# 1431
Delta R.T. -0.02 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

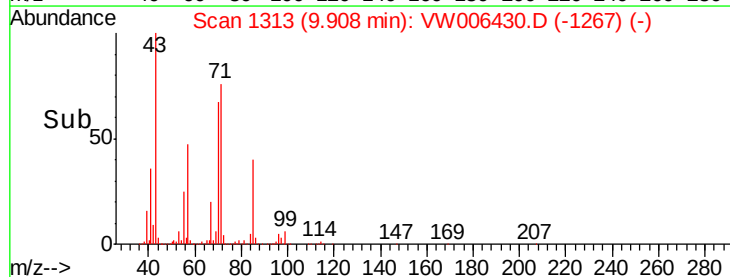
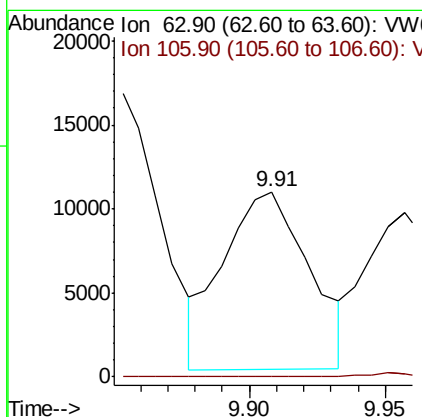
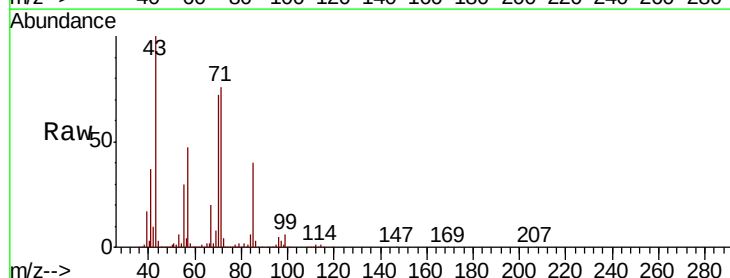
Instrument :
MSVOA_W
ClientSampled :
AOC2-01B

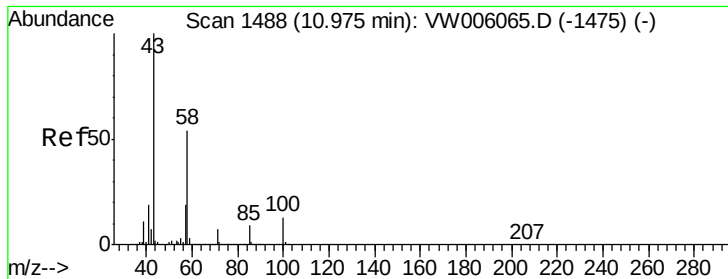
Tgt Ion: 69 Resp: 27526
Ion Ratio Lower Upper
69 100
41 160.1 52.8 79.2#
39 0.0 30.6 45.8#



#58
2-Chloroethyl Vinyl ether
Concen: 21.644 ug/l
RT: 9.91 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 63 Resp: 23278
Ion Ratio Lower Upper
63 100
106 0.0 24.5 36.7#

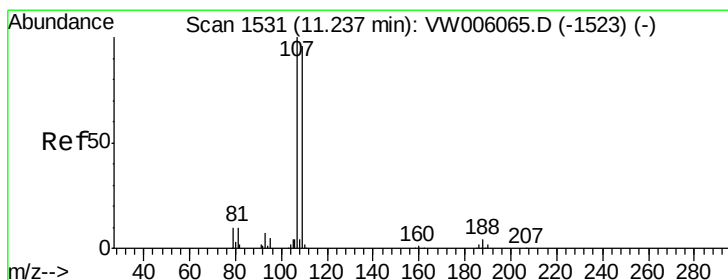
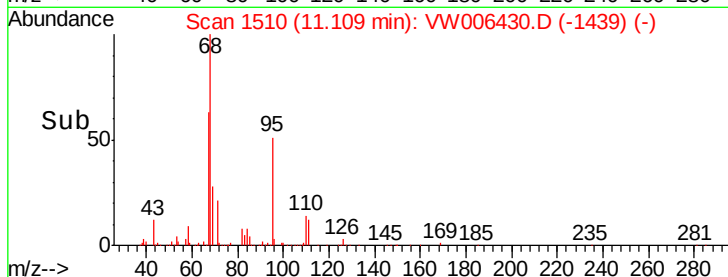
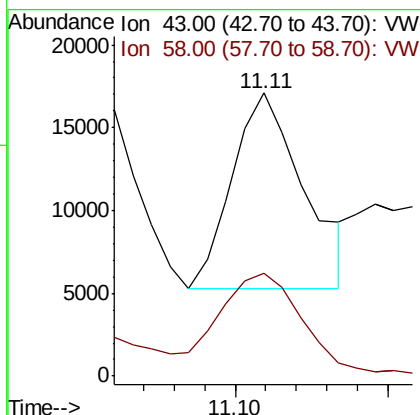
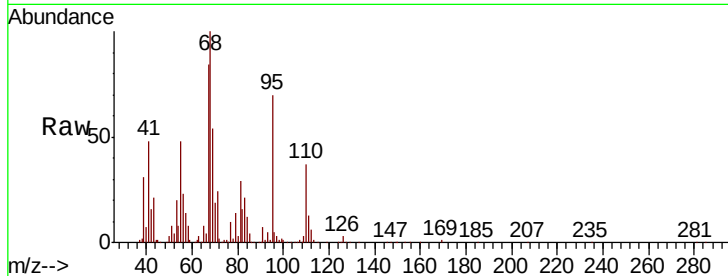




#59
 2-Hexanone
 Concen: 16.129 ug/l
 RT: 11.11 min Scan# 1510
 Delta R.T. 0.13 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

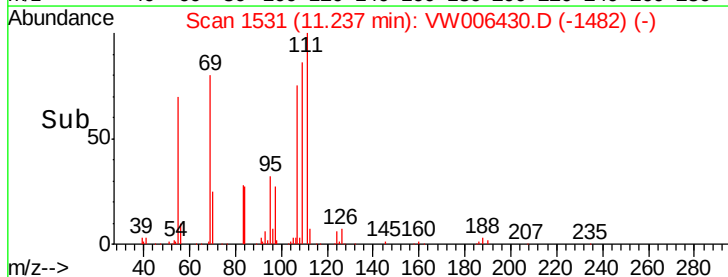
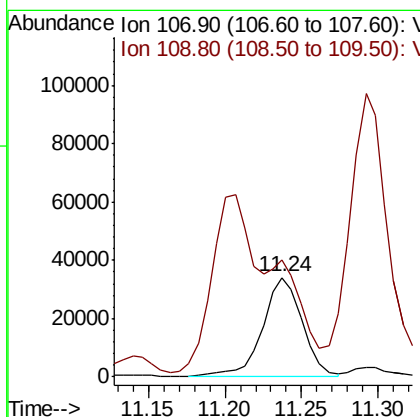
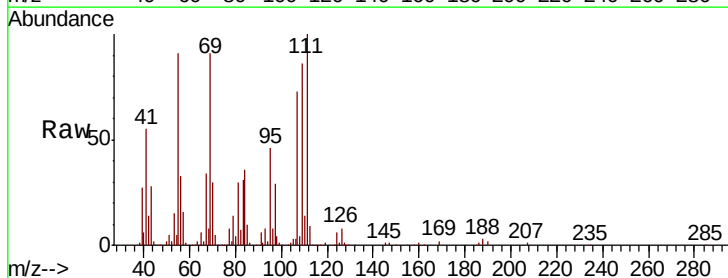
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

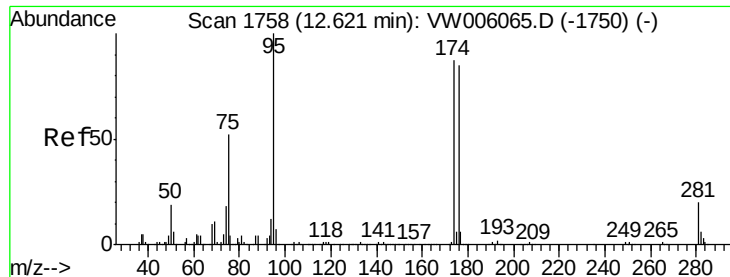
Tgt Ion: 43 Resp: 19218
 Ion Ratio Lower Upper
 43 100
 58 58.4 26.9 80.6



#61
 1,2-Dibromoethane
 Concen: 26.595 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion: 107 Resp: 61010
 Ion Ratio Lower Upper
 107 100
 109 0.0 76.3 114.5#





#62

4-Bromofluorobenzene

Concen: 53.607 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

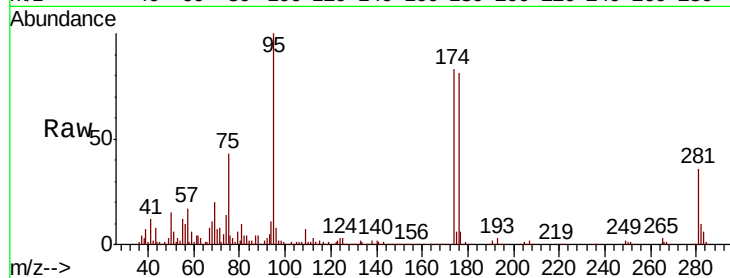
Tgt Ion: 95 Resp: 215355

Ion Ratio Lower Upper

95 100

174 78.5 0.0 186.0

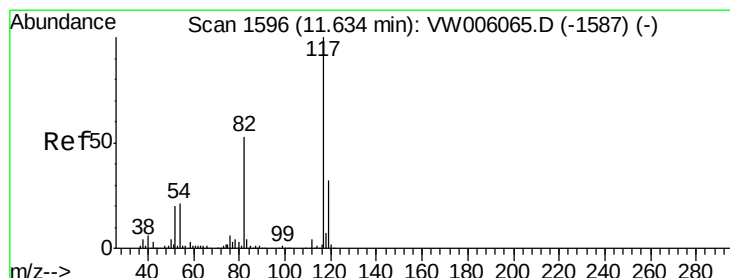
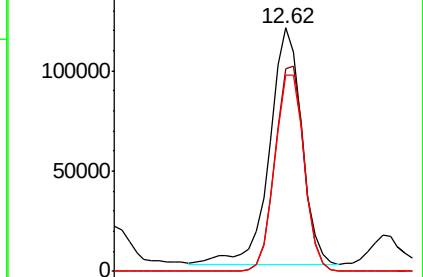
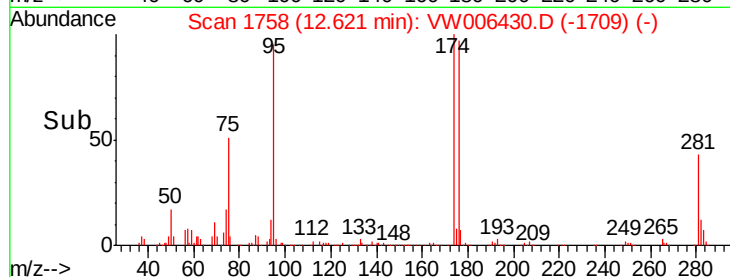
176 76.1 0.0 181.6



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: VW006430.D

Acq: 27 Oct 2018 04:24

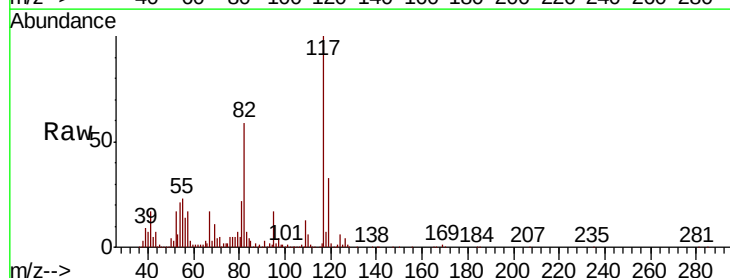
Tgt Ion: 117 Resp: 428143

Ion Ratio Lower Upper

117 100

82 56.0 42.1 63.1

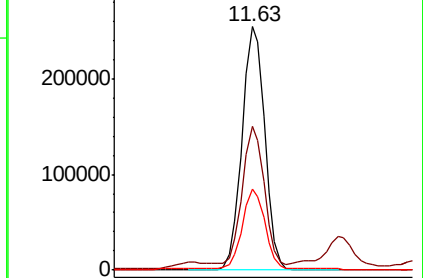
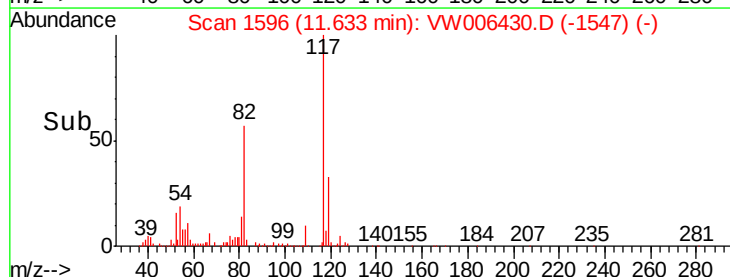
119 32.9 25.8 38.6

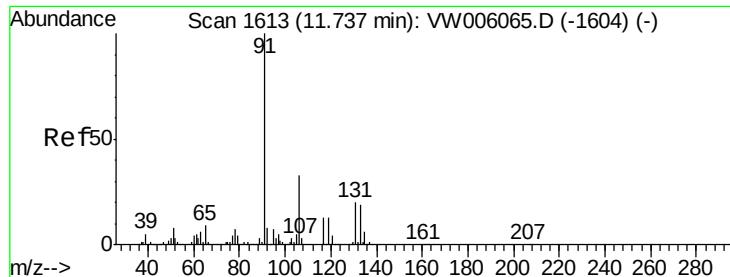


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#67

Ethyl Benzene

Concen: 668.316 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

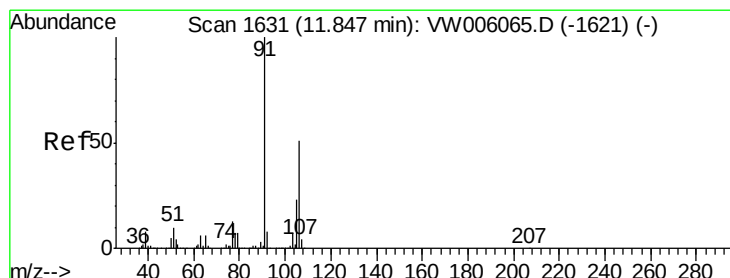
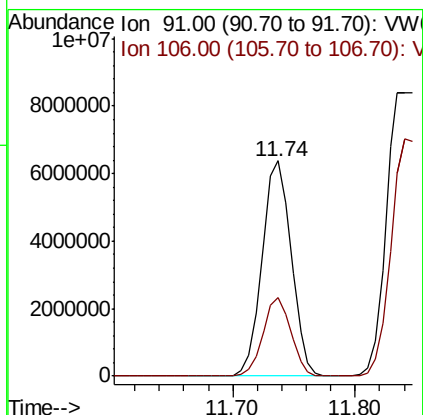
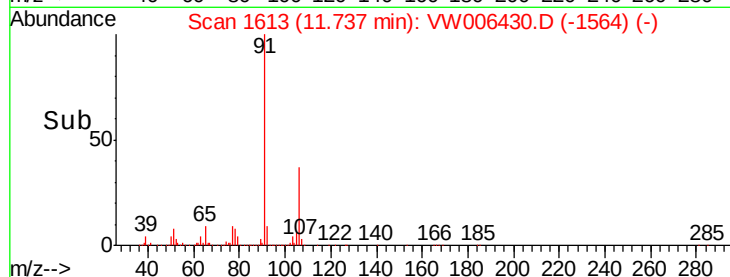
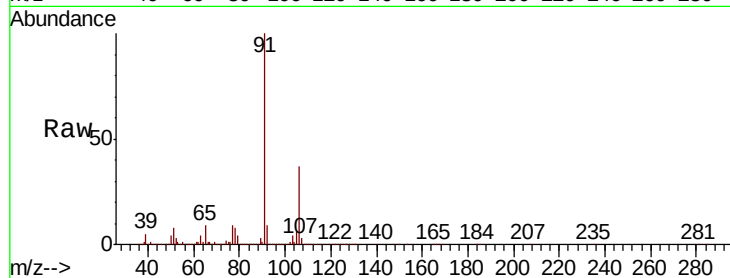
AOC2-01B

Tgt Ion: 91 Resp:10615352

Ion Ratio Lower Upper

91 100

106 36.5 26.1 39.1



#68

m/p-Xylenes

Concen: 2279.769 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006430.D

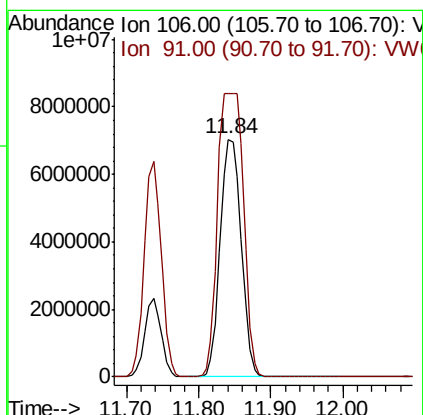
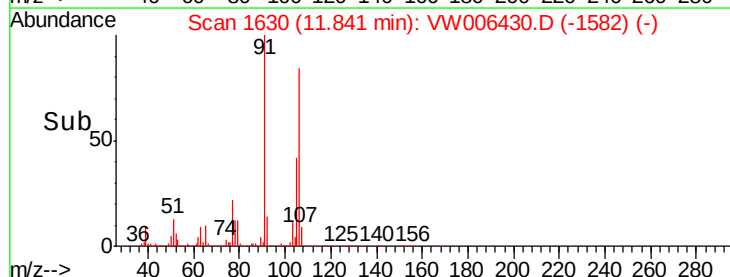
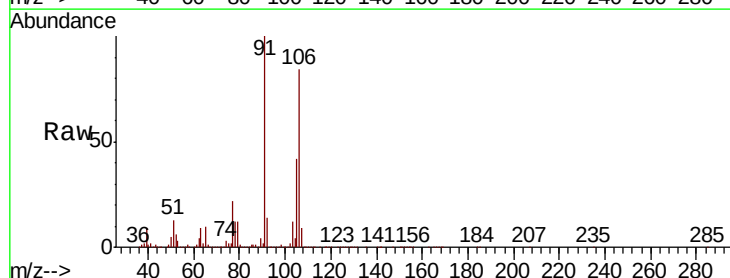
Acq: 27 Oct 2018 04:24

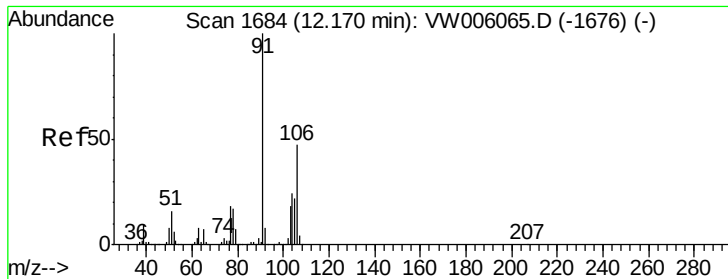
Tgt Ion:106 Resp:14312598

Ion Ratio Lower Upper

106 100

91 146.8 159.1 238.7#

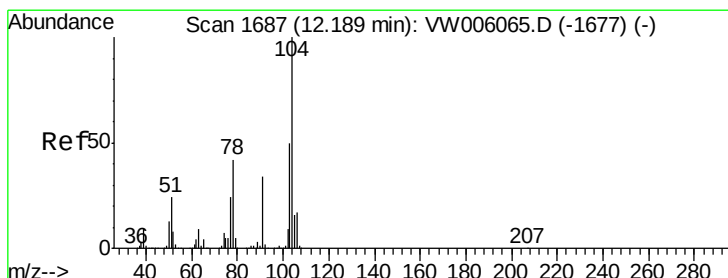
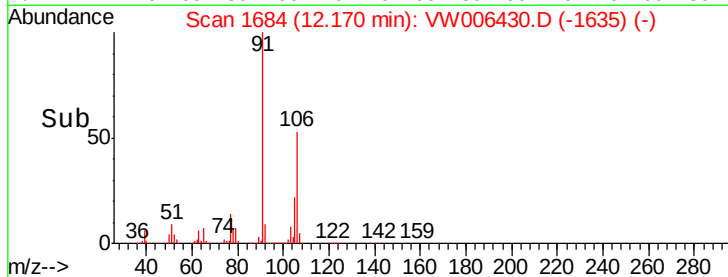
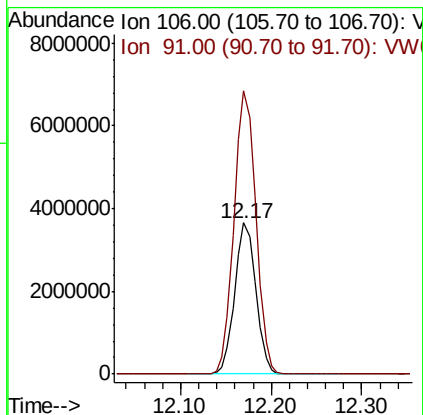
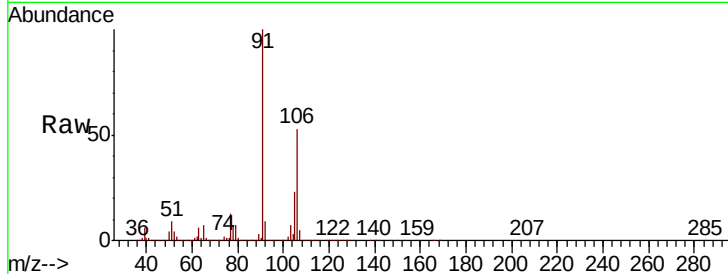




#69
o-Xylene
Concen: 988.694 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

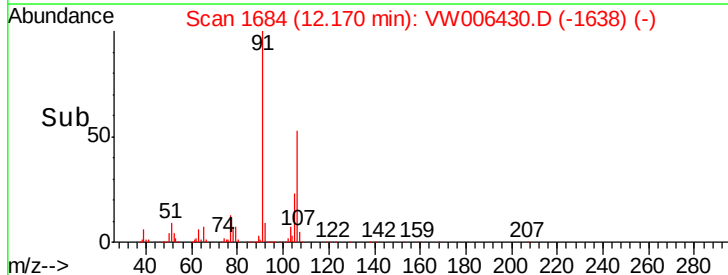
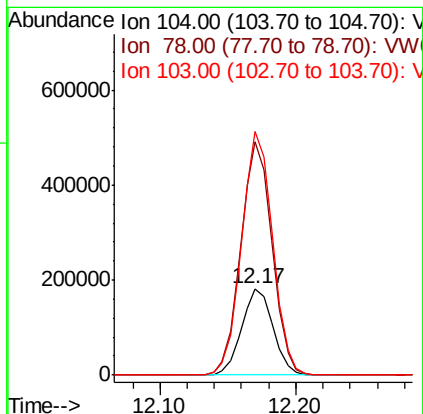
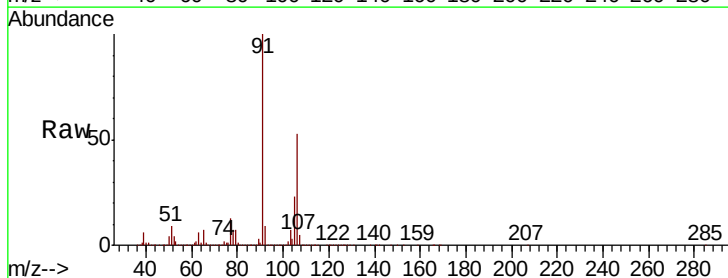
Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

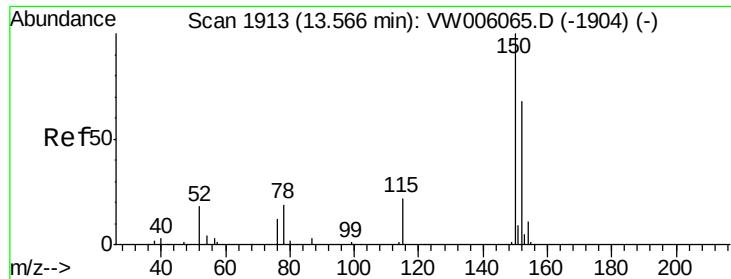
Tgt Ion:106 Resp: 591555
Ion Ratio Lower Upper
106 100
91 194.0 105.4 316.1



#70
Styrene
Concen: 30.249 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion:104 Resp: 294308
Ion Ratio Lower Upper
104 100
78 267.8 39.1 58.7#
103 277.3 44.3 66.5#

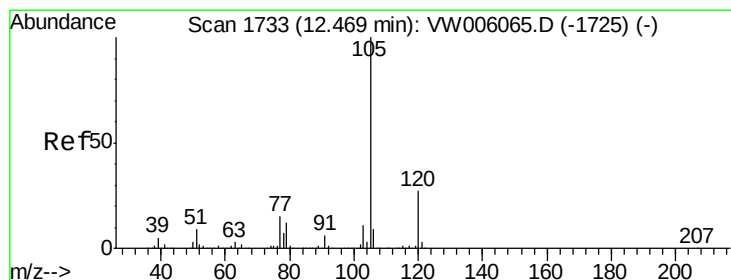
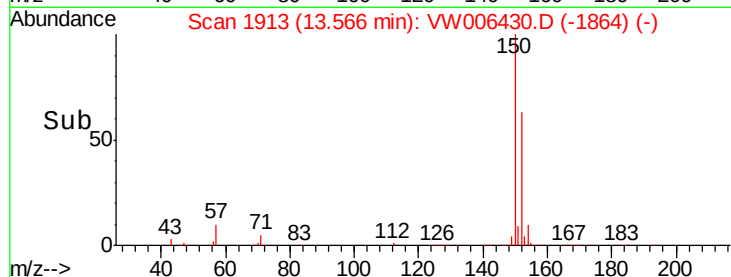
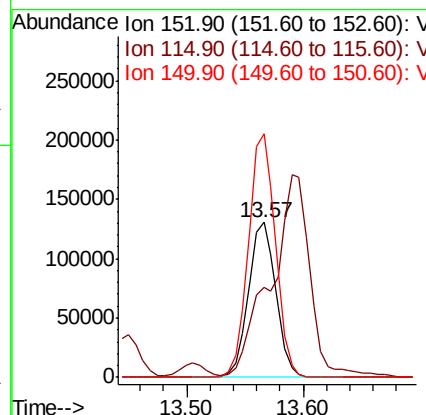
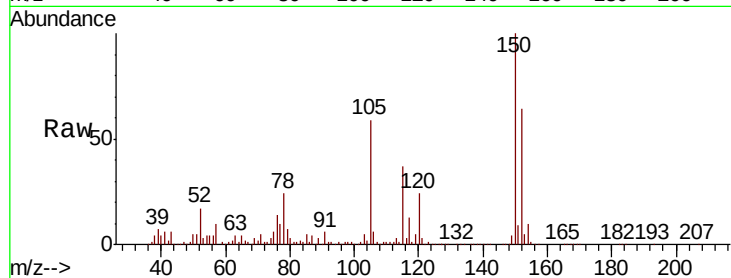




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

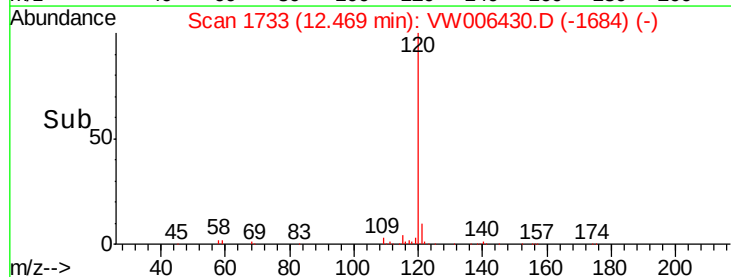
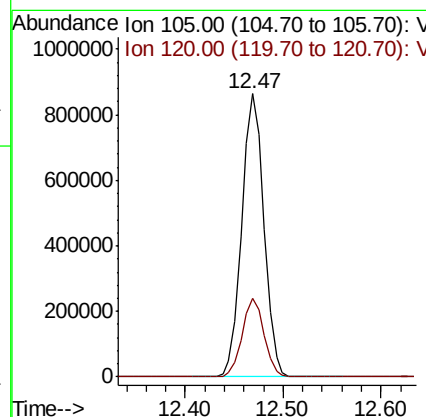
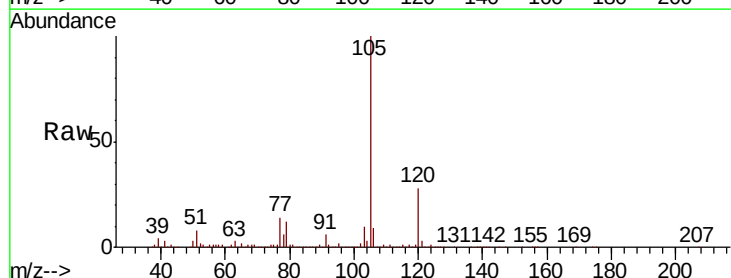
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

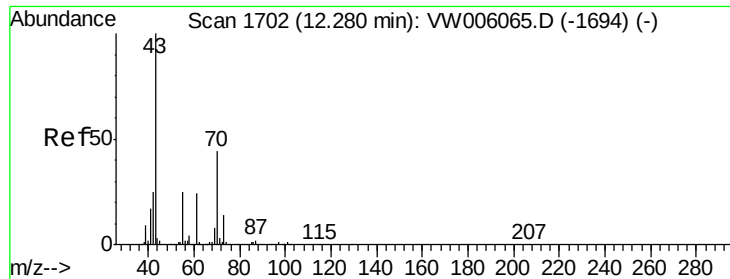
Tgt Ion:152 Resp: 213511
 Ion Ratio Lower Upper
 152 100
 115 0.0 27.8 83.3#
 150 155.1 0.0 349.2



#73
 Isopropylbenzene
 Concen: 89.899 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion:105 Resp: 1356026
 Ion Ratio Lower Upper
 105 100
 120 27.3 13.6 40.7





#74

N-amyI acetate

Concen: 10.624 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

Tgt Ion: 43 Resp: 31124

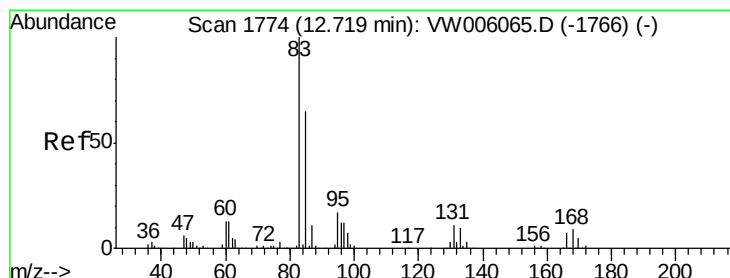
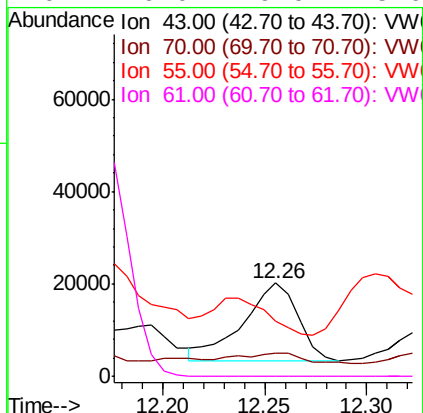
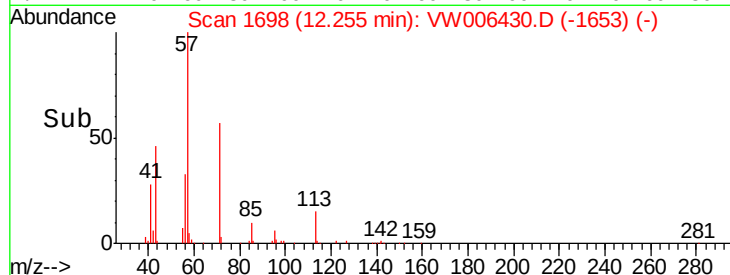
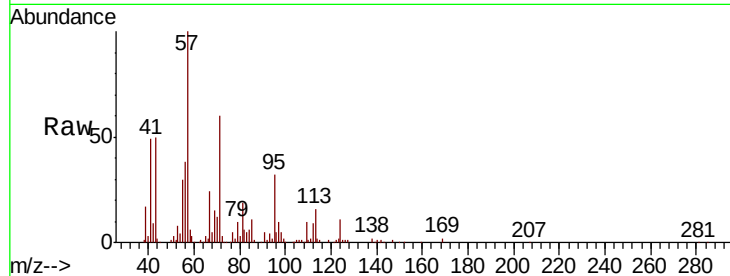
Ion Ratio Lower Upper

43 100

70 15.3 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.272 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

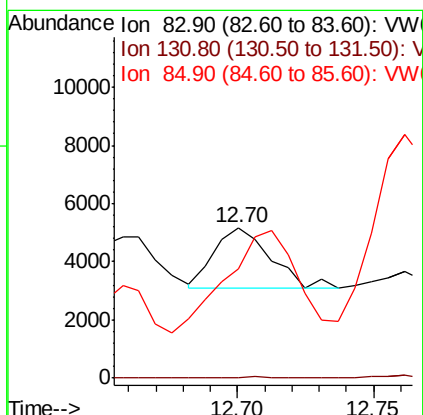
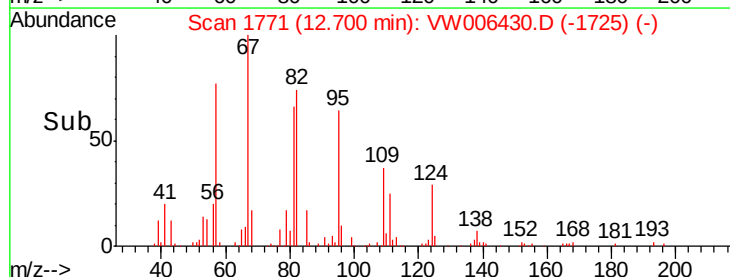
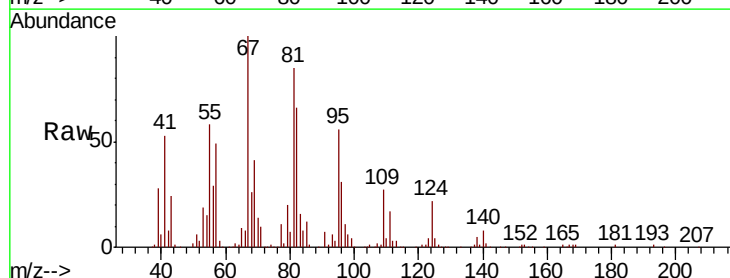
Tgt Ion: 83 Resp: 2918

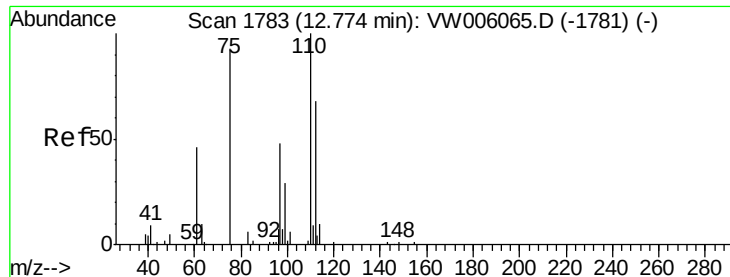
Ion Ratio Lower Upper

83 100

131 0.9 5.9 17.7#

85 215.8 31.9 95.9#





#76

1,2,3-Trichloropropane

Concen: 22.276 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

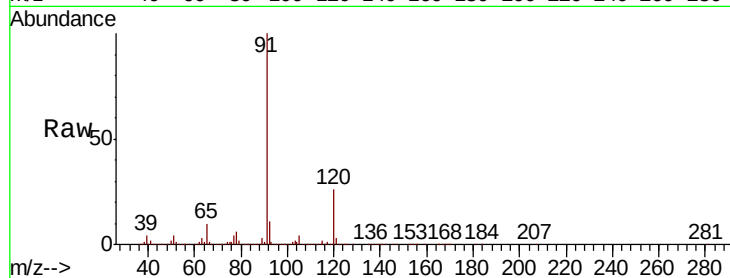
AOC2-01B

Tgt Ion: 75 Resp: 36328

Ion Ratio Lower Upper

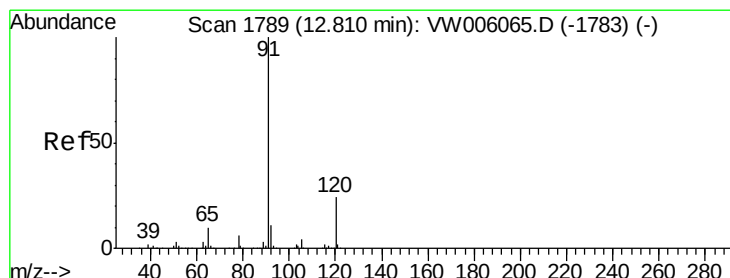
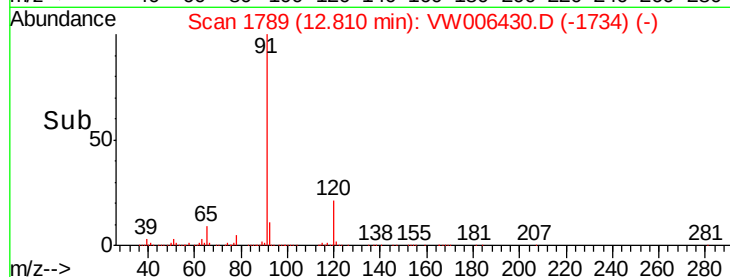
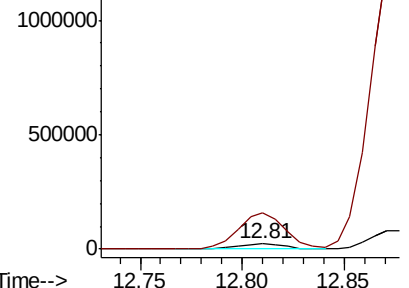
75 100

77 675.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 361.905 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006430.D

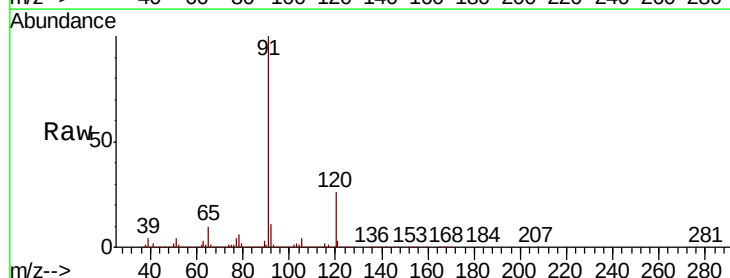
Acq: 27 Oct 2018 04:24

Tgt Ion: 91 Resp: 6351016

Ion Ratio Lower Upper

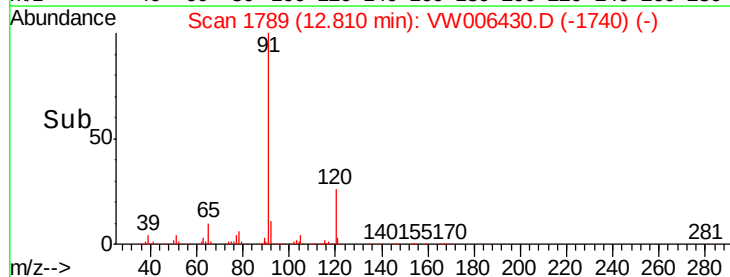
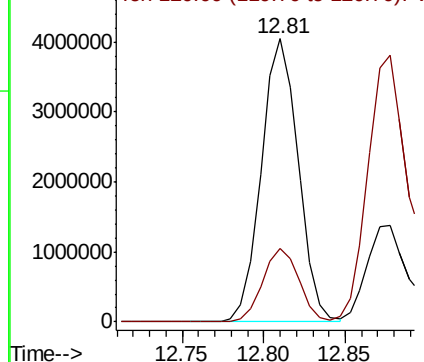
91 100

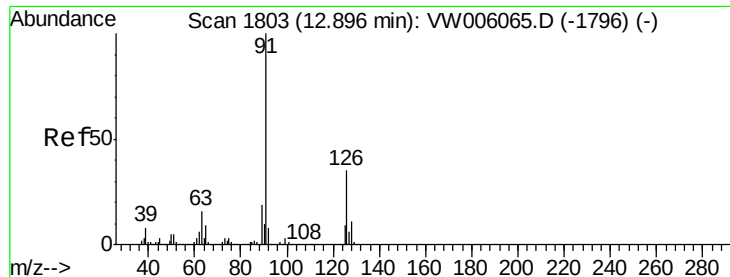
120 25.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

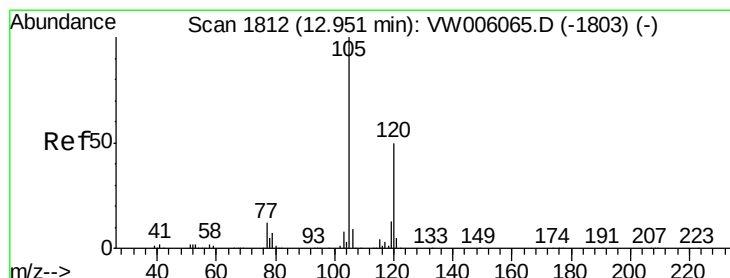
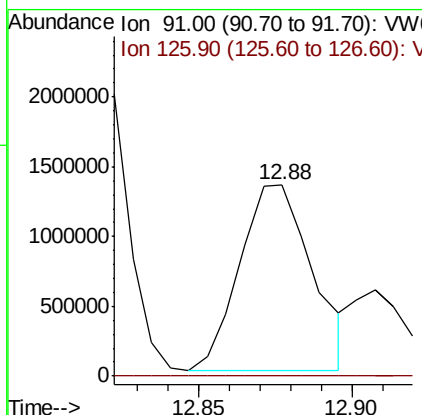
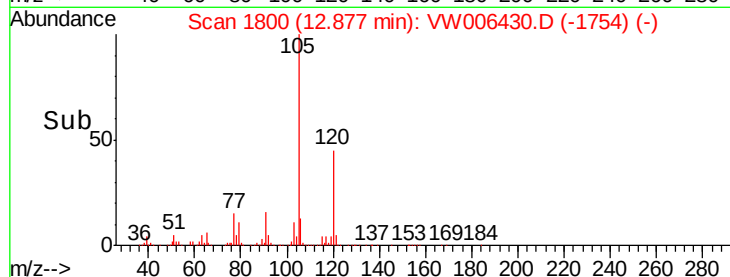
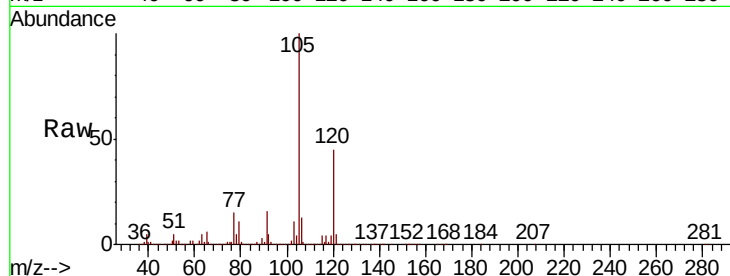




#79
 2-Chlorotoluene
 Concen: 221.742 ug/l
 RT: 12.88 min Scan# 1800
 Delta R.T. -0.02 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

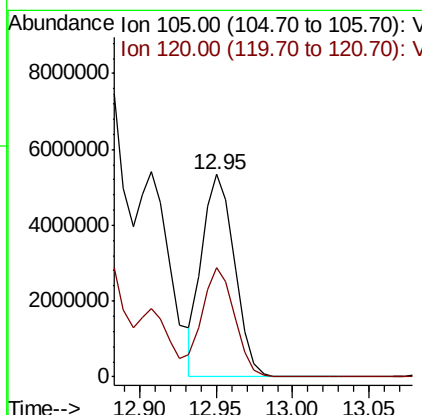
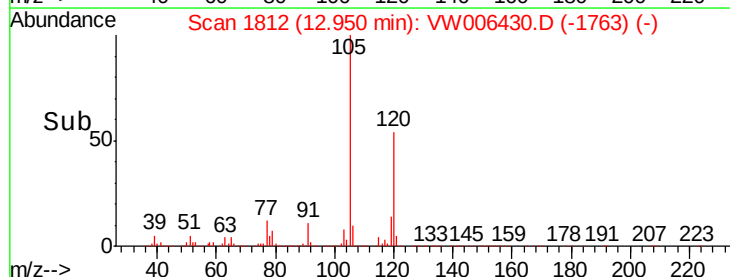
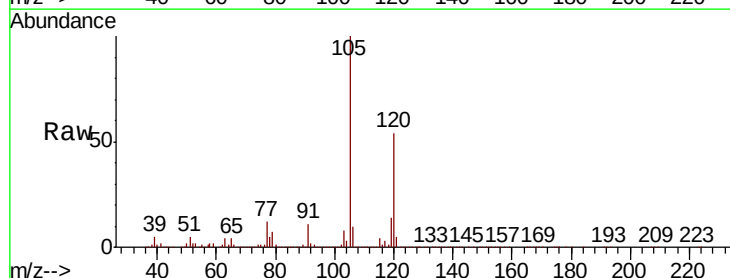
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

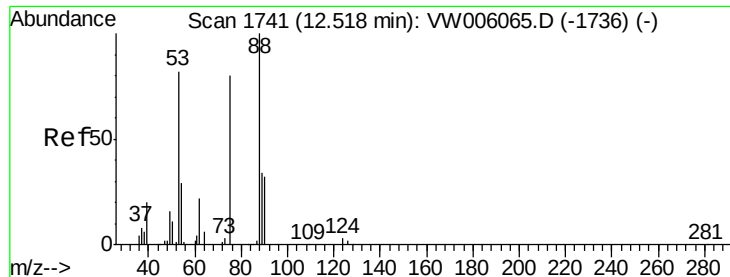
Tgt Ion: 91 Resp: 2186377
 Ion Ratio Lower Upper
 91 100
 126 0.2 17.9 53.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 621.352 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion: 105 Resp: 7901162
 Ion Ratio Lower Upper
 105 100
 120 55.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.339 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

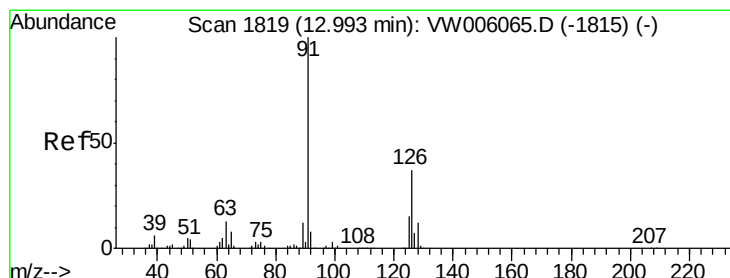
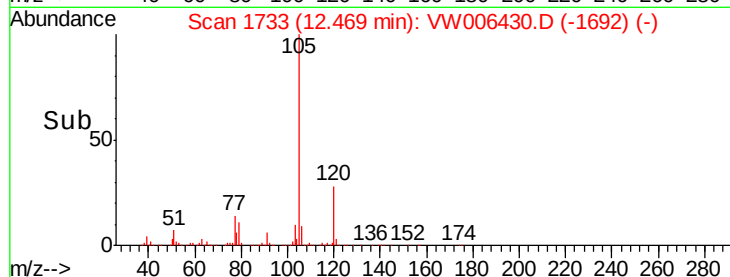
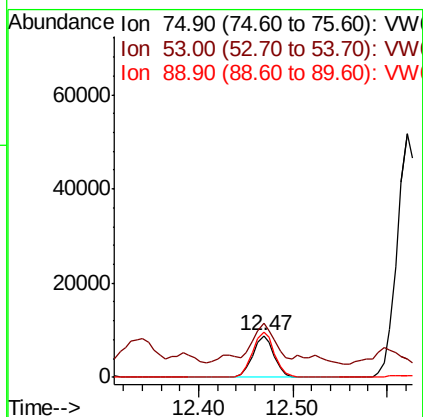
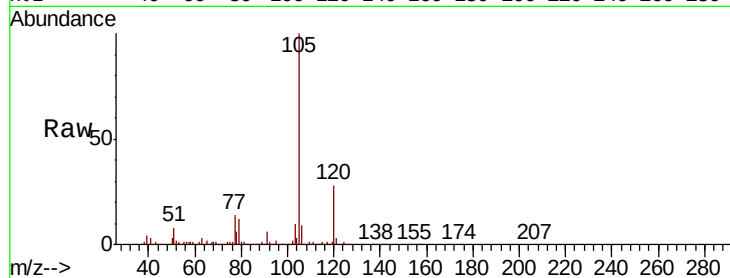
Tgt Ion: 75 Resp: 14558

Ion Ratio Lower Upper

75 100

53 80.3 79.8 119.6

89 112.2 37.5 56.3#



#82

4-Chlorotoluene

Concen: 78.966 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW006430.D

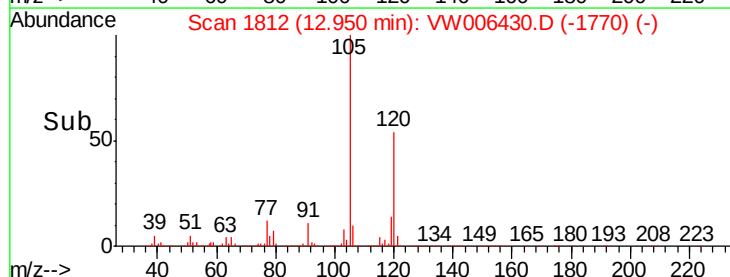
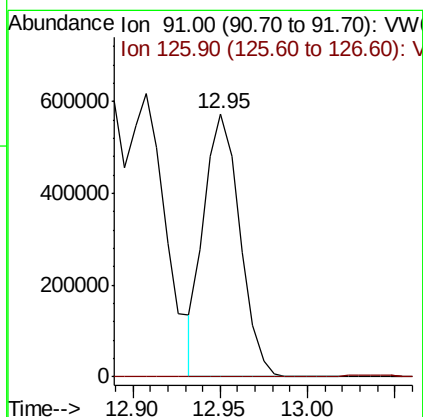
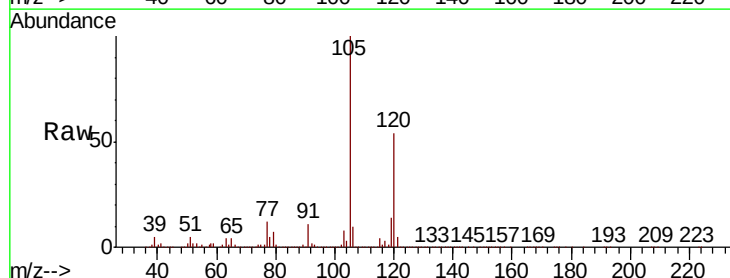
Acq: 27 Oct 2018 04:24

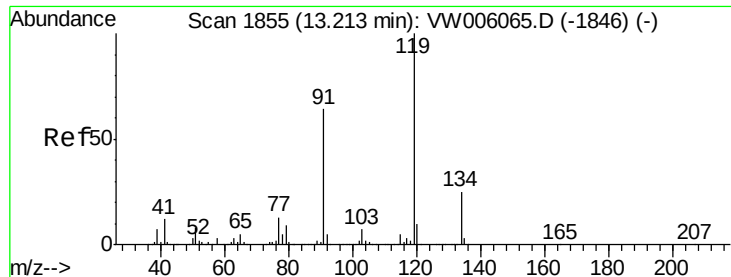
Tgt Ion: 91 Resp: 815610

Ion Ratio Lower Upper

91 100

126 0.1 18.1 54.3#

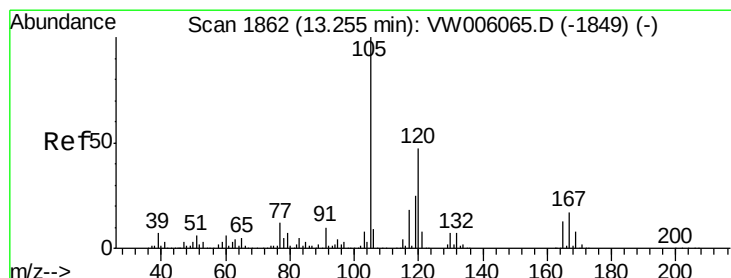
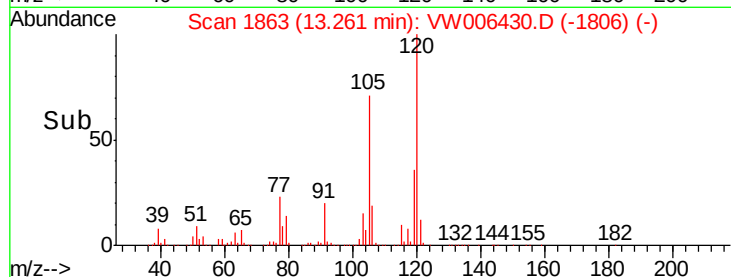
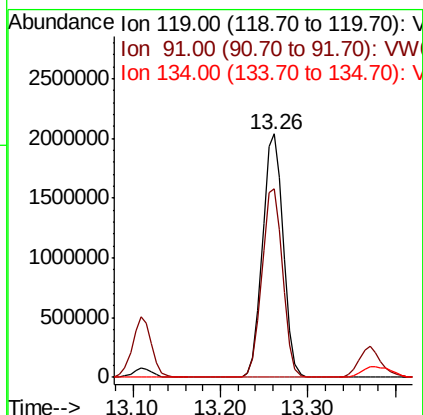
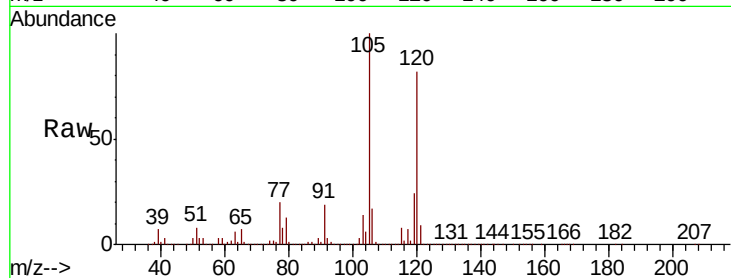




#83
 tert-Butylbenzene
 Concen: 296.965 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.05 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

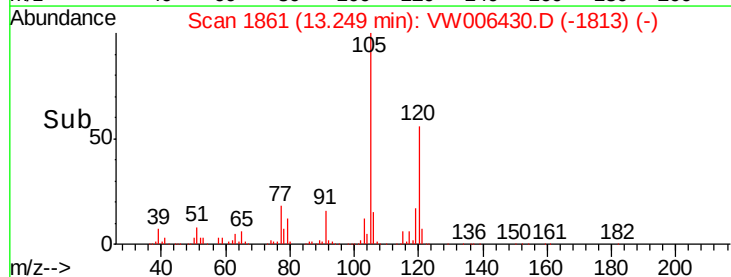
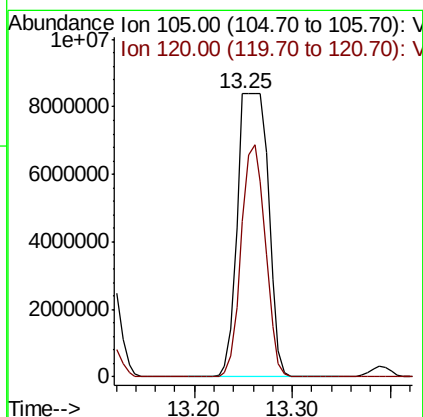
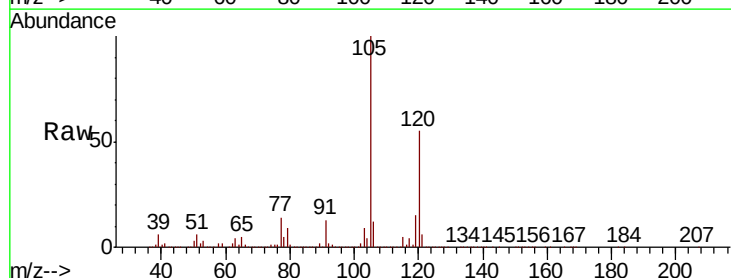
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

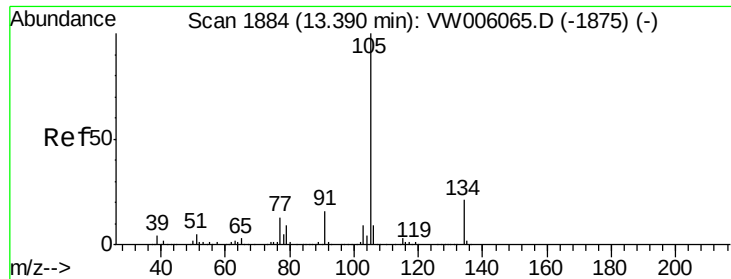
Tgt Ion:119 Resp: 3378587
 Ion Ratio Lower Upper
 119 100
 91 77.7 32.3 96.9
 134 0.0 13.6 40.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1429.938 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion:105 Resp:18399704
 Ion Ratio Lower Upper
 105 100
 120 64.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 1144.772 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.14 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

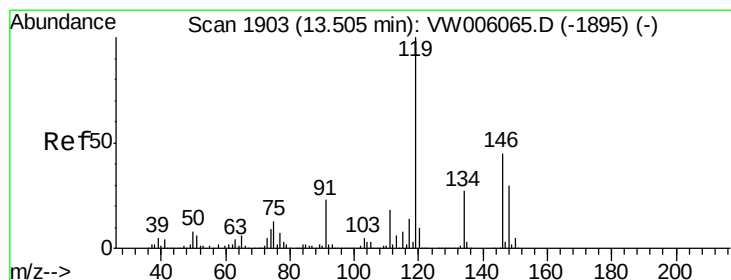
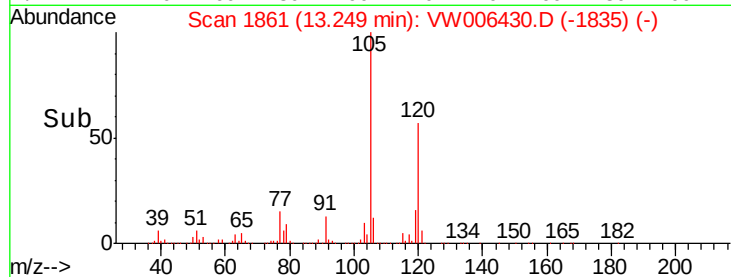
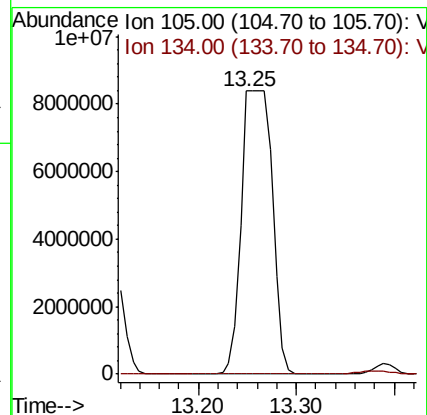
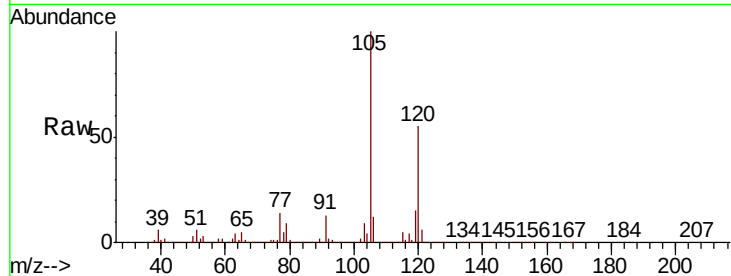
AOC2-01B

Tgt Ion:105 Resp:18399704

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 51.505 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. -0.06 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

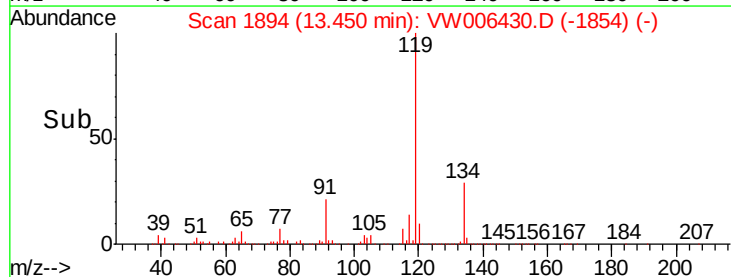
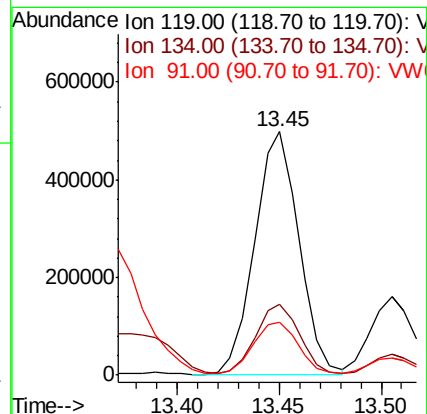
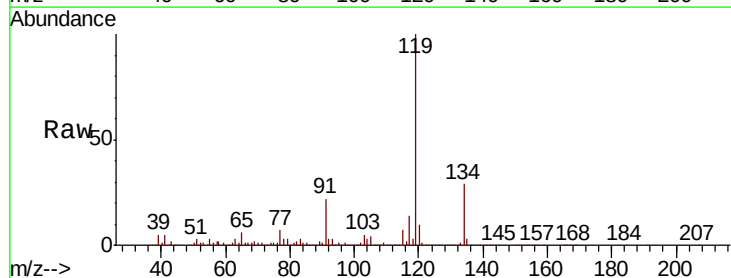
Tgt Ion:119 Resp: 748775

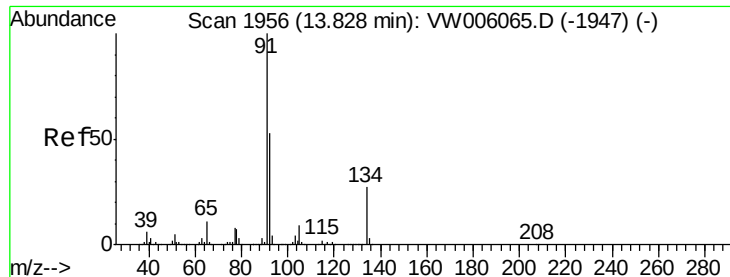
Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.2

91 21.1 11.4 34.1





#89

n-Butylbenzene

Concen: 65.823 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

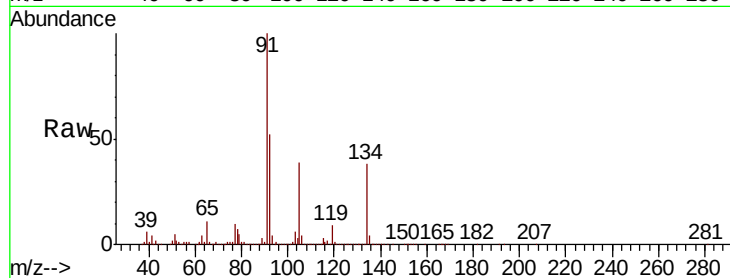
Tgt Ion: 91 Resp: 875145

Ion Ratio Lower Upper

91 100

92 72.0 26.6 79.7

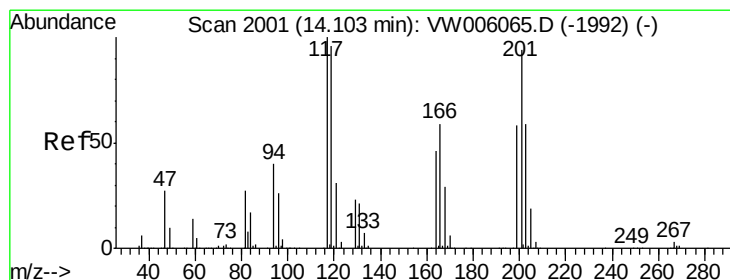
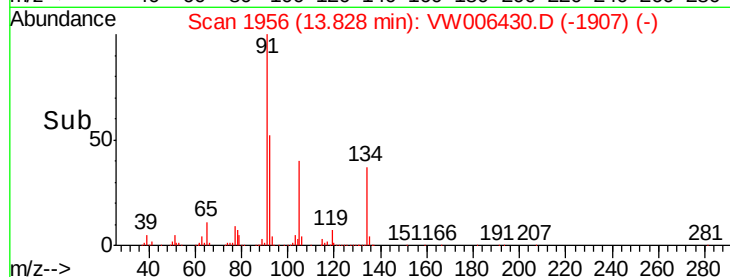
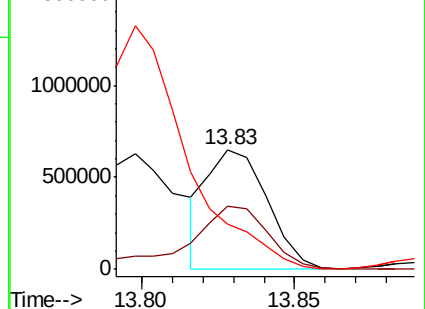
134 0.0 14.0 41.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 185.989 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006430.D

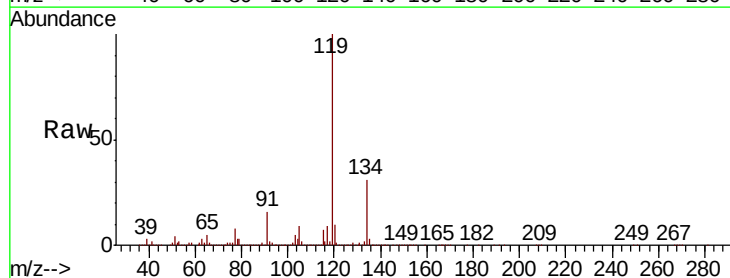
Acq: 27 Oct 2018 04:24

Tgt Ion: 117 Resp: 457996

Ion Ratio Lower Upper

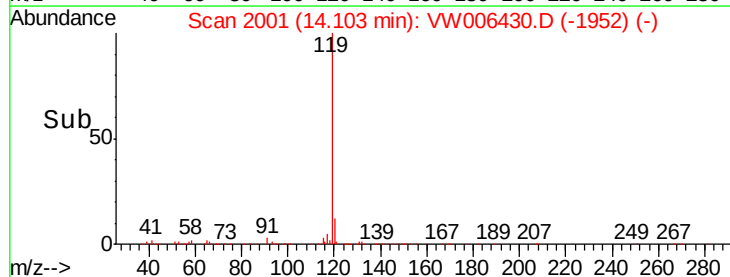
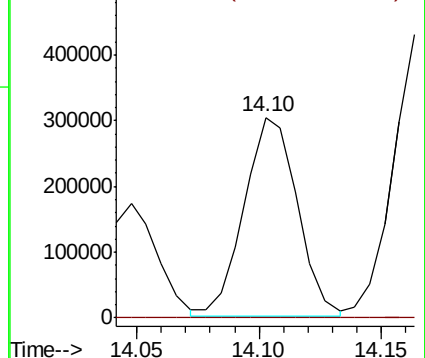
117 100

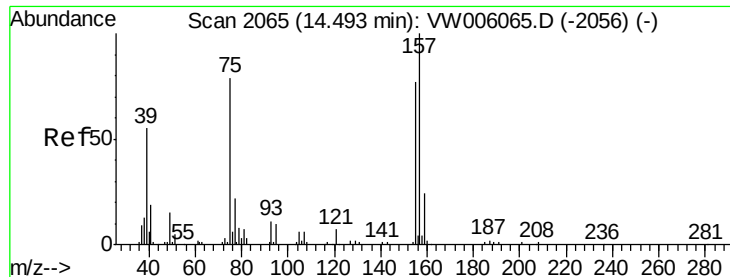
201 0.0 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

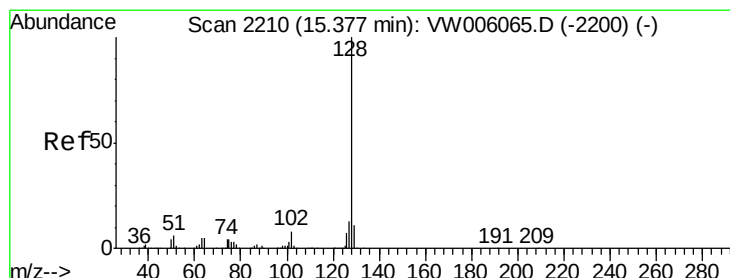
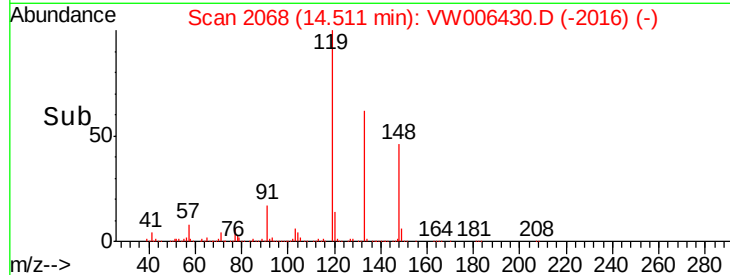
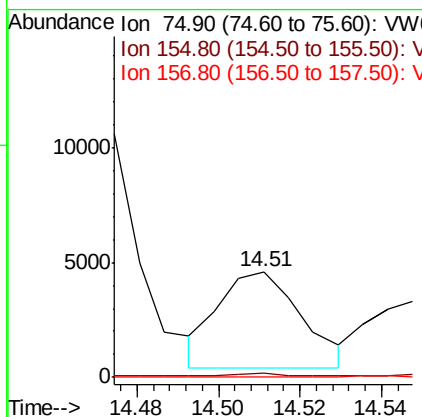
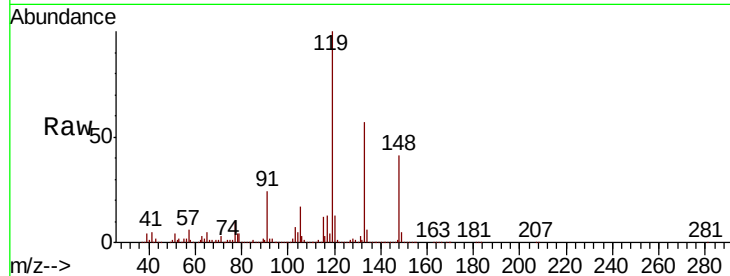




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.388 ug/l
 RT: 14.51 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

Tgt Ion: 75 Resp: 5910
 Ion Ratio Lower Upper
 75 100
 155 5.3 46.5 139.5#
 157 0.0 59.8 179.4#



#95
 Naphthalene
 Concen: 427.217 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion: 128 Resp: 3586434
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 10.7 8.7 13.1

