

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006191.D
 Acq On : 18 Oct 2018 21:54
 Operator : VA/AP
 Sample : J5515-18RE
 Misc : 6.28G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Quant Time: Oct 19 06:04:45 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	211836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	323841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	106484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	95097	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
35) Dibromofluoromethane	7.89	113	92450	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	10.33	98	337759	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	12.62	95	120059	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	329	2.785	ug/l #	71
15) Acrylonitrile	5.45	53	1725	5.041	ug/l #	30
16) Acetone	4.15	43	14438	30.843	ug/l	98
18) Methyl Acetate	4.95	43	28514	32.262	ug/l #	49
20) Methylene Chloride	4.92	84	13463	5.806	ug/l	96
25) 2-Butanone	7.19	43	5886	12.406	ug/l	93
29) Tetrahydrofuran	7.55	42	591	2.027	ug/l #	31
31) Cyclohexane	7.95	56	130185	40.510	ug/l	86
36) 1,1-Dichloropropene	7.95	75	14130	4.734	ug/l #	59
37) Ethyl Acetate	7.19	43	5886	5.307	ug/l #	67
38) Carbon Tetrachloride	7.95	117	18710	5.718	ug/l #	16
39) Methylcyclohexane	9.34	83	403423	101.675	ug/l	94
40) Benzene	8.33	78	24985	3.051	ug/l	94
41) Methacrylonitrile	7.53	41	1604	2.399	ug/l #	47
43) Isopropyl Acetate	8.43	43	49469	21.816	ug/l #	50
47) Bromodichloromethane	9.62	83	21784	8.046	ug/l #	37
48) Methyl methacrylate	9.48	41	26750	24.887	ug/l #	24
51) 4-Methyl-2-Pentanone	10.26	43	68326	60.140	ug/l #	80
52) Toluene	10.39	92	17595	3.205	ug/l	98
55) 1,1,2-Trichloroethane	10.77	97	158939	101.708	ug/l #	29
56) Ethyl methacrylate	10.67	69	24804	12.947	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	5253	7.176	ug/l #	55
59) 2-Hexanone	10.94	43	106389	131.183	ug/l #	31
67) Ethyl Benzene	11.74	91	43948	4.375	ug/l	99
68) m/p-Xylenes	11.84	106	39983	10.071	ug/l	99
69) o-Xylene	12.17	106	14866	3.929	ug/l	90
73) Isopropylbenzene	12.47	105	307826	40.919	ug/l	100
74) N-amyl acetate	12.26	43	74258	50.822	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.70	83	4467	3.904	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	4883	6.004	ug/l #	100
78) n-propylbenzene	12.81	91	777790	88.869	ug/l	100
79) 2-Chlorotoluene	12.81	91	777790	158.169	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.95	105	14432	2.276	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.47	75	3745	11.007	ug/l #	49

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QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

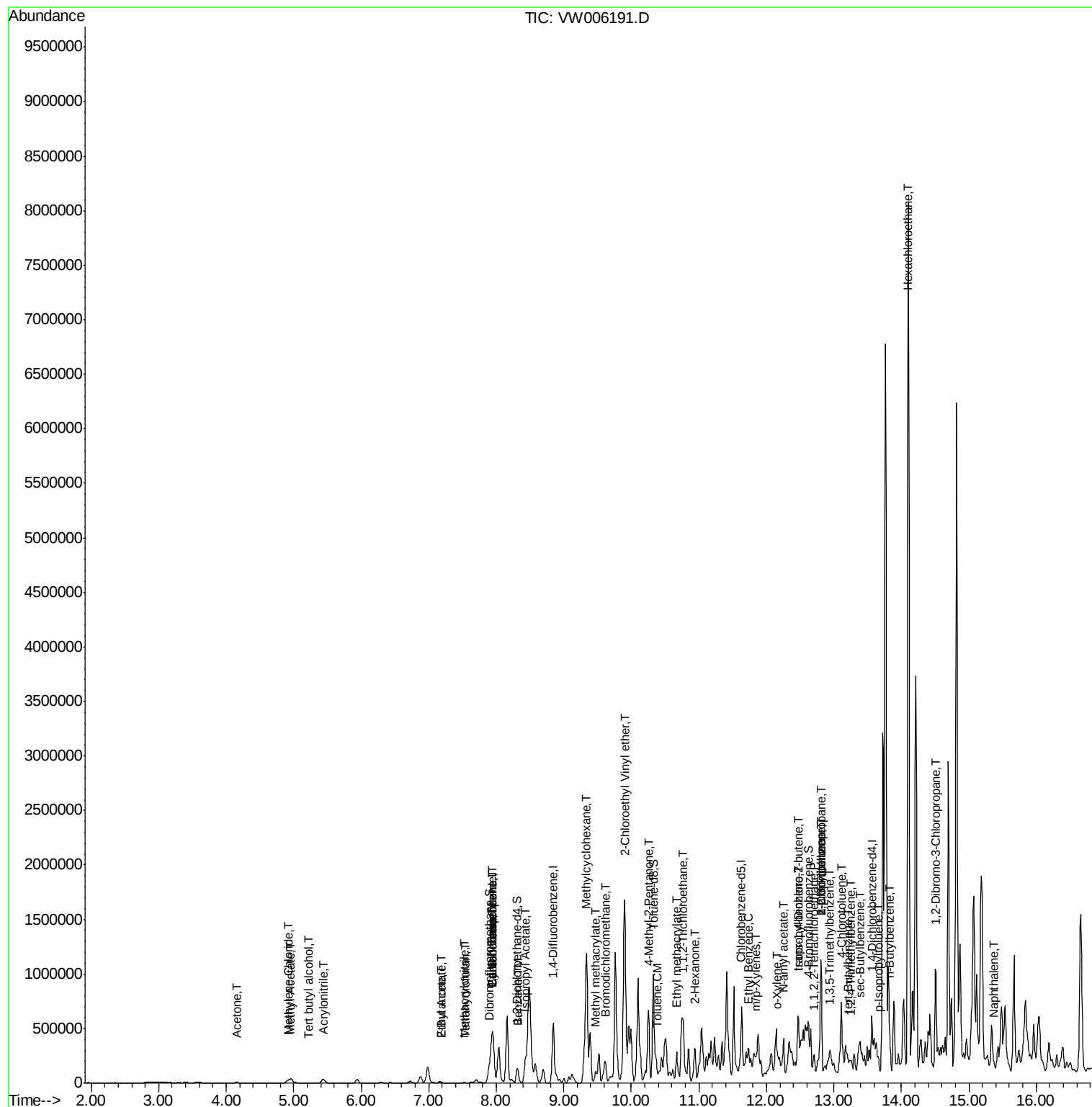
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.11	91	47389	9.200	ug/l #	39
83) tert-Butylbenzene	13.21	119	10815	1.906	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	58250	9.077	ug/l	99
85) sec-Butylbenzene	13.39	105	142628	17.793	ug/l #	57
86) p-Isopropyltoluene	13.66	119	80929	11.162	ug/l	96
89) n-Butylbenzene	13.83	91	216914	32.713	ug/l #	43
90) Hexachloroethane	14.10	117	398880	324.791	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.50	75	2514	12.272	ug/l #	5
95) Naphthalene	15.38	128	16229	3.876	ug/l #	69

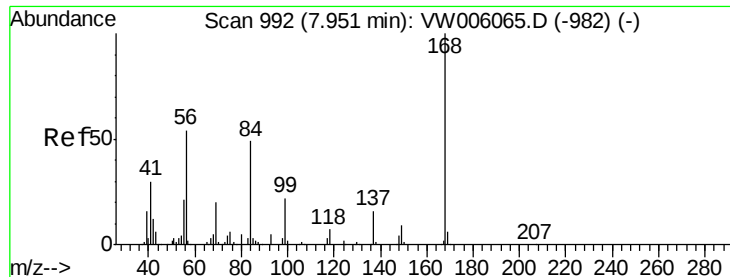
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

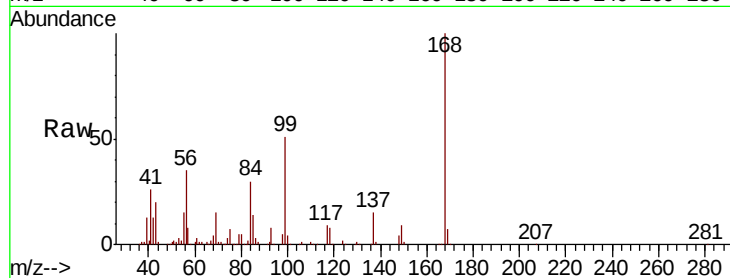
AOC1-01A

Tot Ion:168 Resp: 211836

Ion Ratio Lower Upper

168 100

99 50.9 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

100000

80000

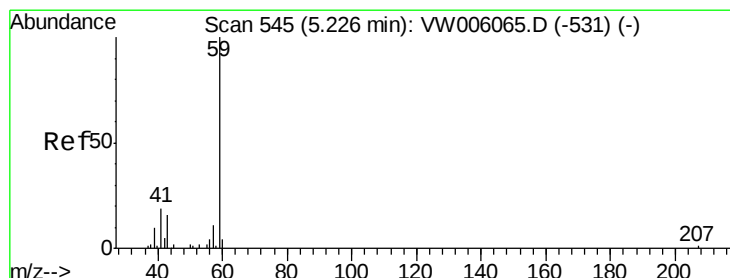
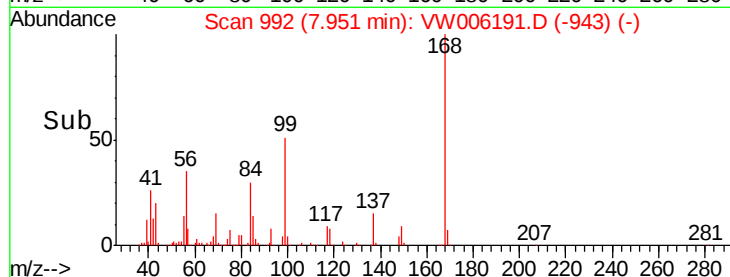
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.785 ug/l

RT: 5.23 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW006191.D

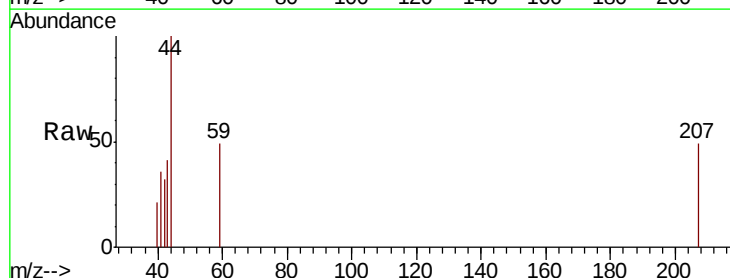
Acq: 18 Oct 2018 21:54

Tgt Ion: 59 Resp: 329

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

5.23

200

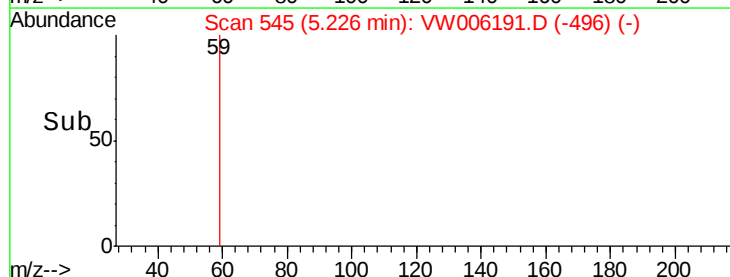
150

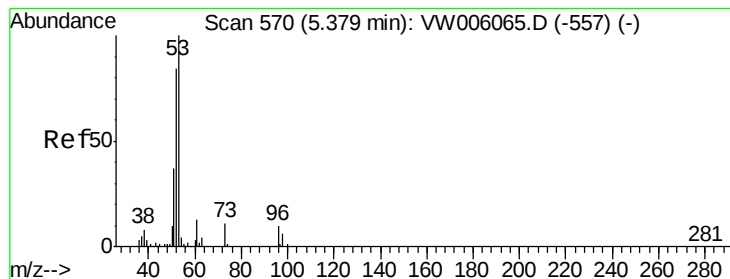
100

50

0

Time-->





#15

Acrylonitrile

Concen: 5.041 ug/l

RT: 5.45 min Scan# 581

Delta R.T. 0.07 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

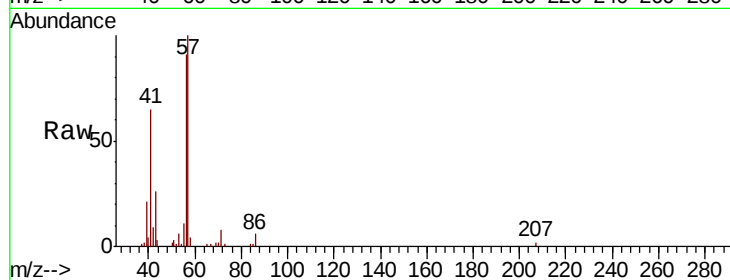
Tot Ion: 53 Resp: 1725

Ion Ratio Lower Upper

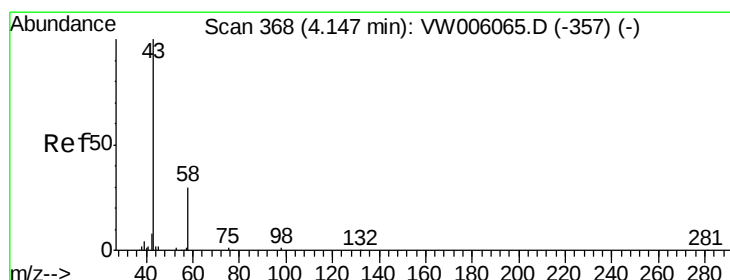
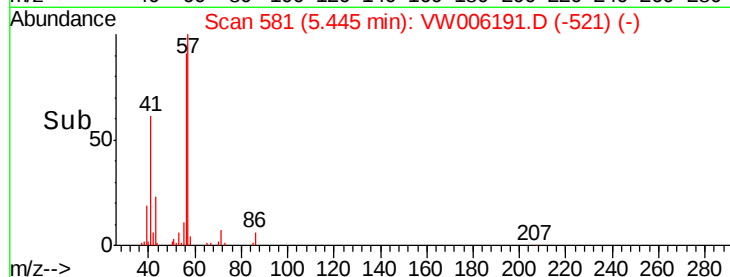
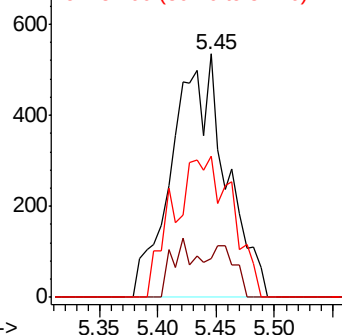
53 100

52 9.6 66.9 100.3#

51 63.1 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: 30.843 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.00 min

Lab File: VW006191.D

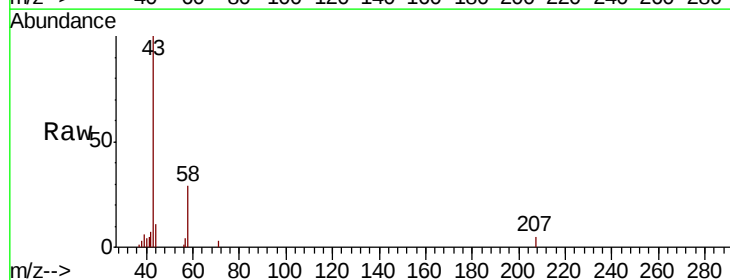
Acq: 18 Oct 2018 21:54

Tgt Ion: 43 Resp: 14438

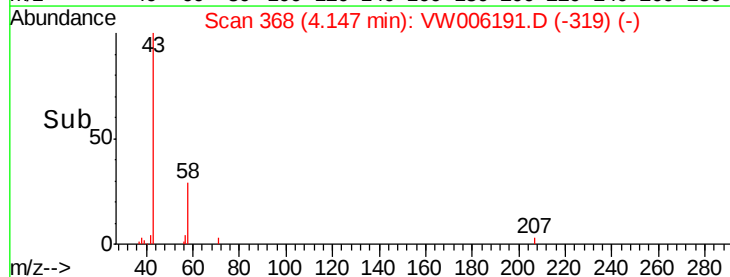
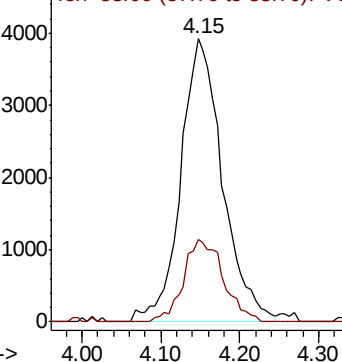
Ion Ratio Lower Upper

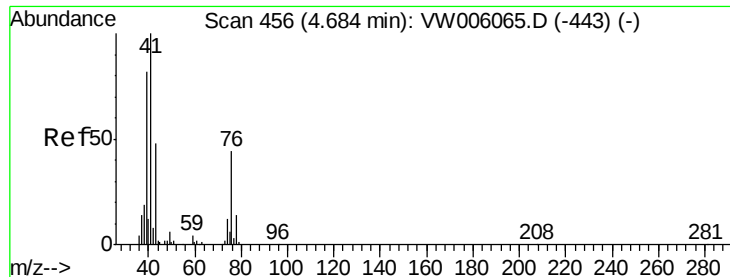
43 100

58 29.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

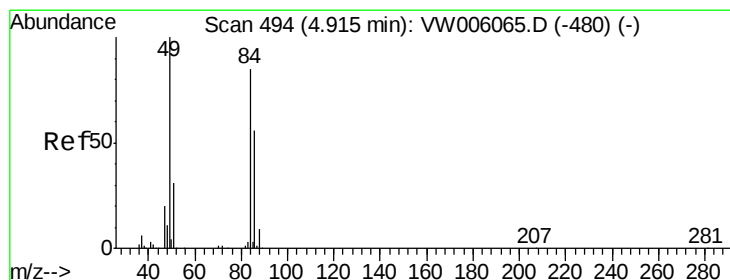
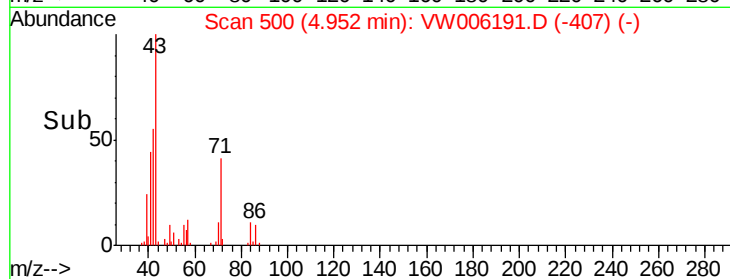
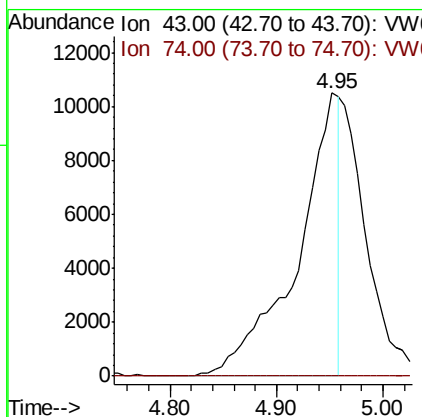
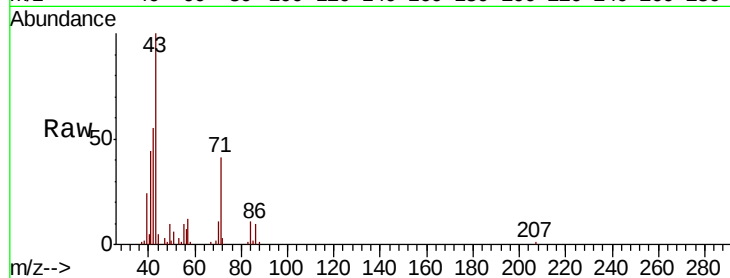




#18
Methyl Acetate
Concen: 32.262 ug/l
RT: 4.95 min Scan# 500
Delta R.T. 0.27 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

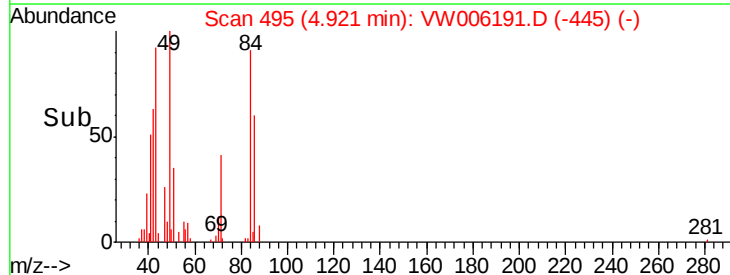
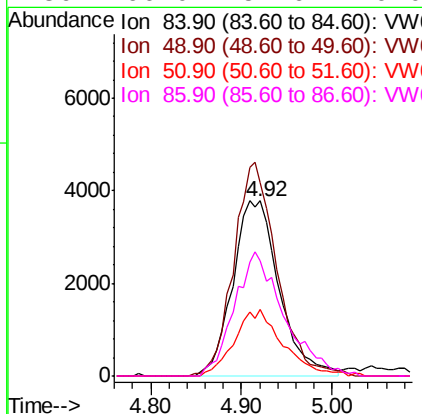
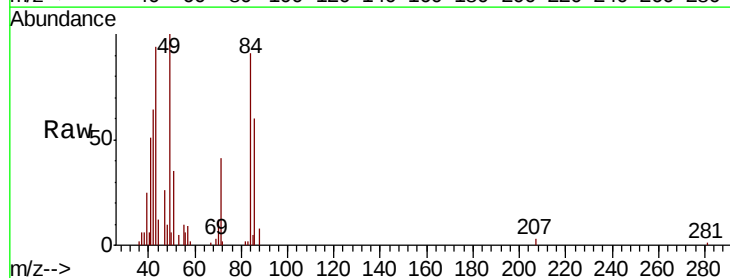
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

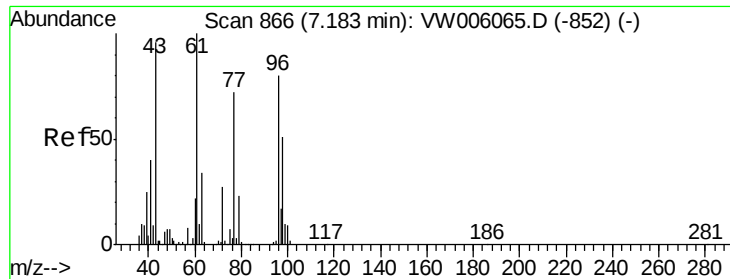
Tot Ion: 43 Resp: 28514
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#20
Methylene Chloride
Concen: 5.806 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 84 Resp: 13463
Ion Ratio Lower Upper
84 100
49 110.1 93.6 140.4
51 38.1 29.0 43.4
86 66.0 52.6 79.0





#25

2-Butanone

Concen: 12.406 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

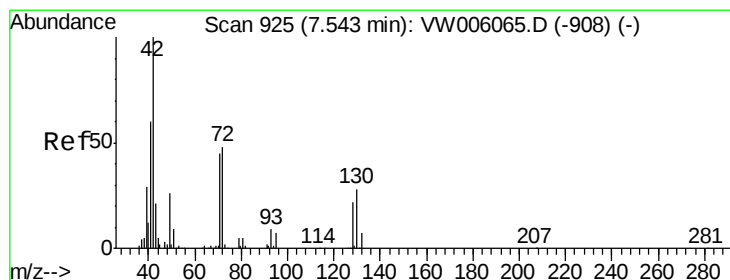
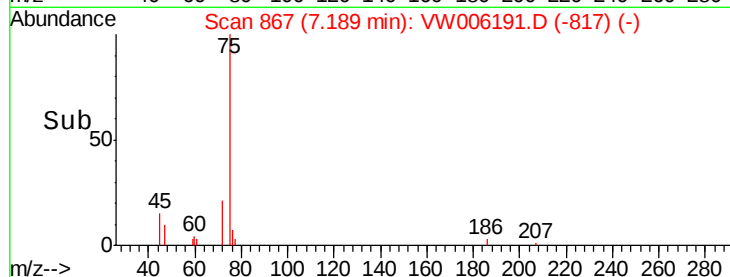
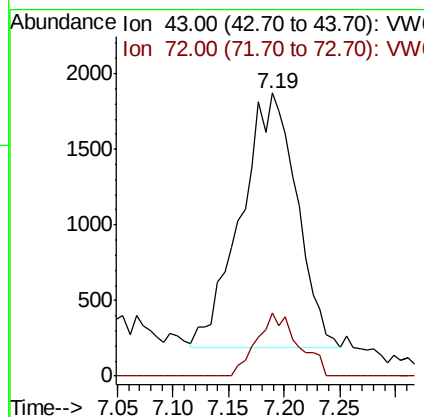
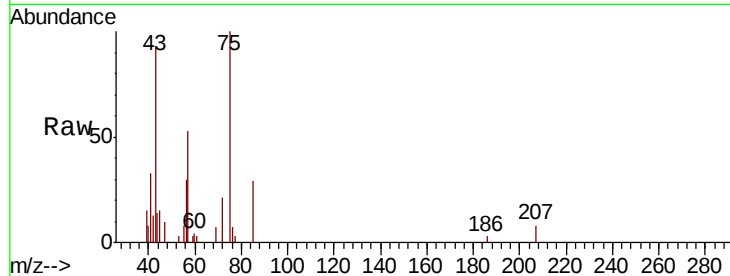
AOC1-01A

Tot Ion: 43 Resp: 5886

Ion Ratio Lower Upper

43 100

72 24.9 22.8 34.2



#29

Tetrahydrofuran

Concen: 2.027 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

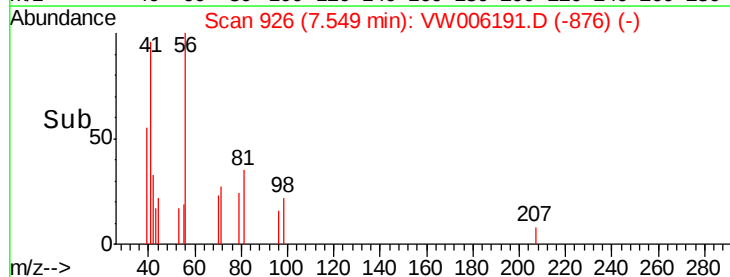
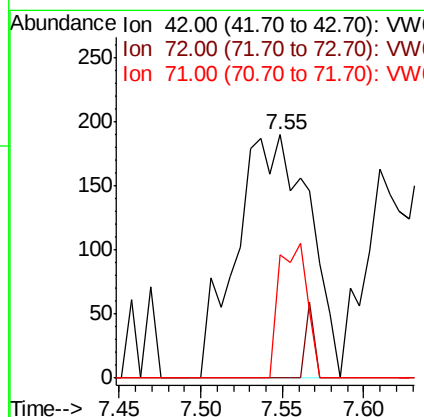
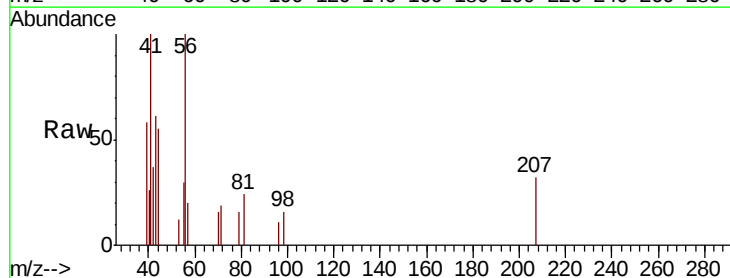
Tgt Ion: 42 Resp: 591

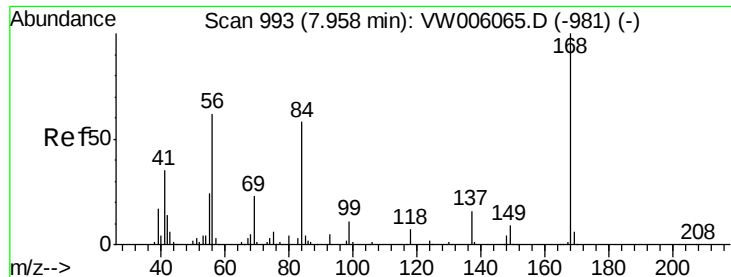
Ion Ratio Lower Upper

42 100

72 0.0 38.0 57.0#

71 0.0 35.3 52.9#

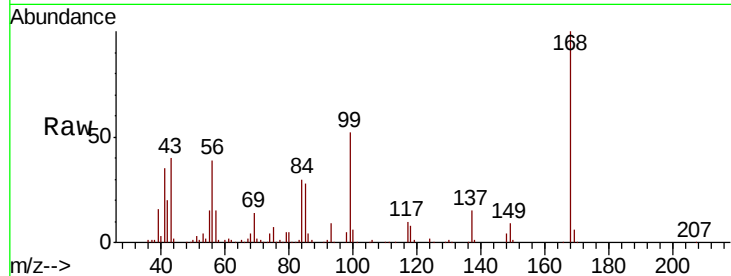




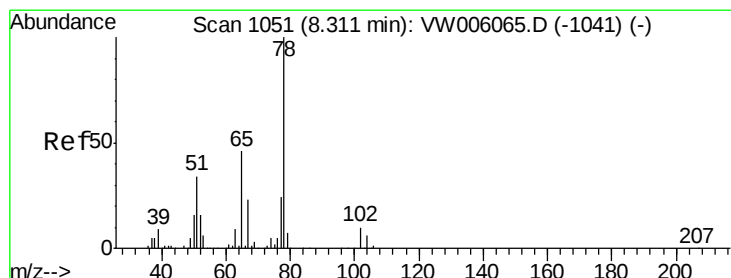
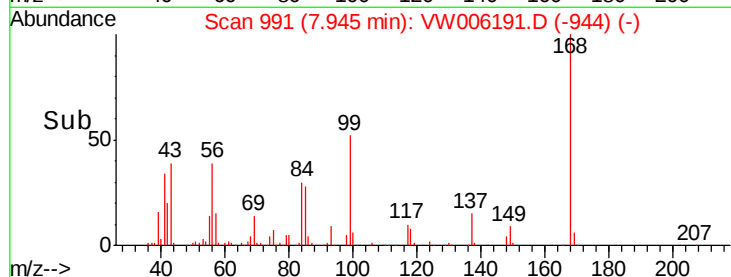
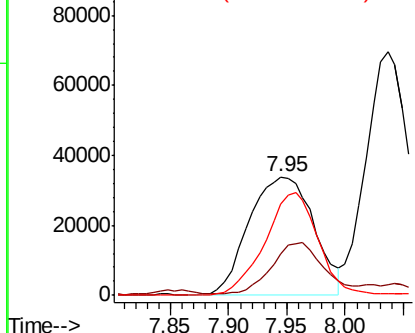
#31
Cyclohexane
Concen: 40.510 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion: 56 Resp: 130185
Ion Ratio Lower Upper
56 100
69 31.7 29.4 44.0
84 77.3 74.0 111.0

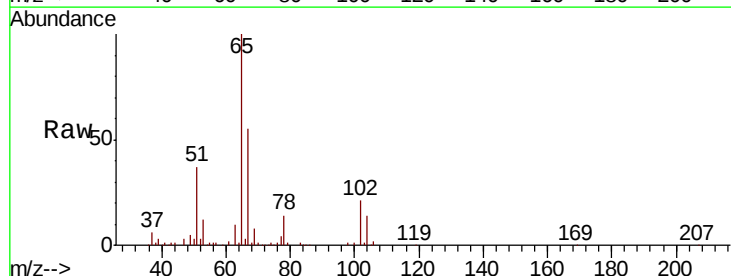


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

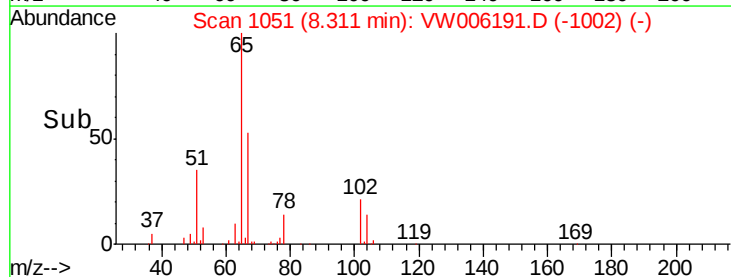
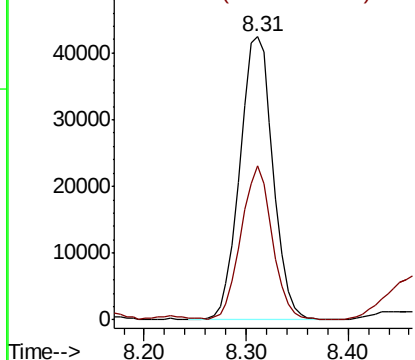


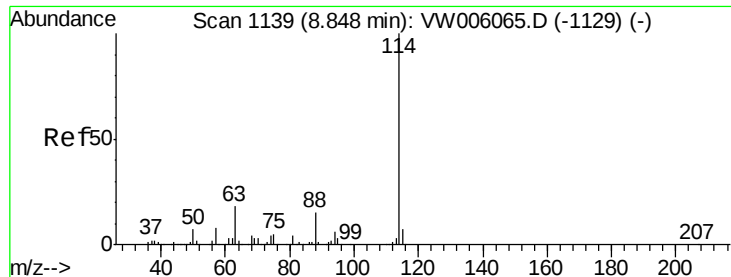
#33
1,2-Dichloroethane-d4
Concen: 54.148 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 65 Resp: 95097
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

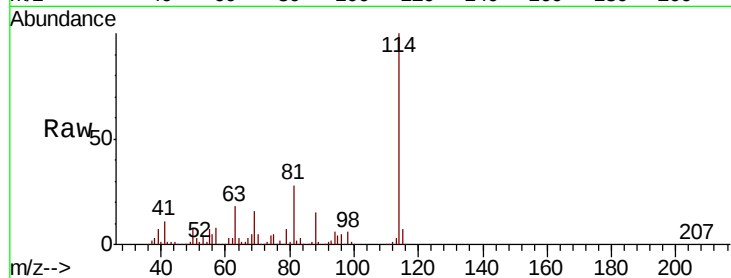
Tot Ion:114 Resp: 323841

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

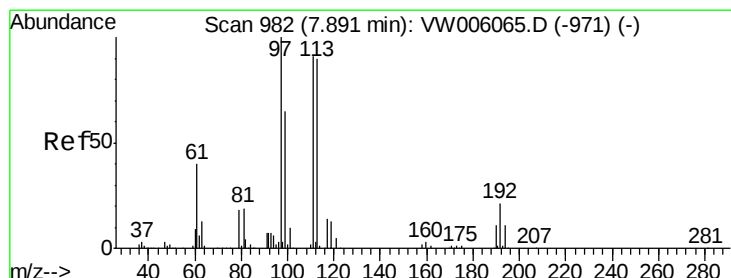
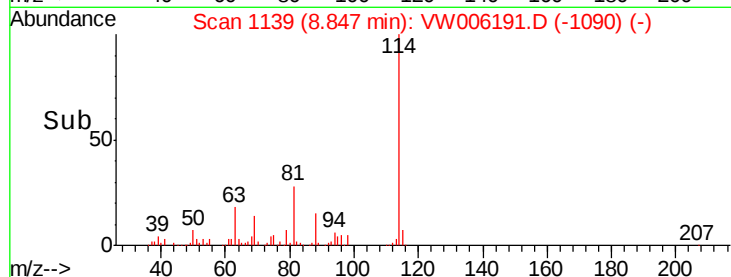
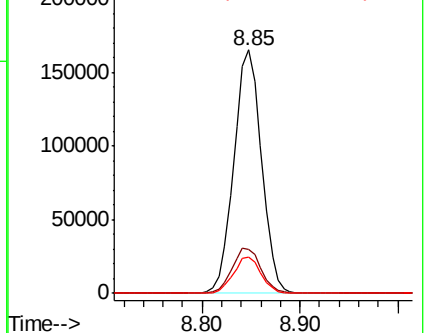
88 15.1 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 48.313 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

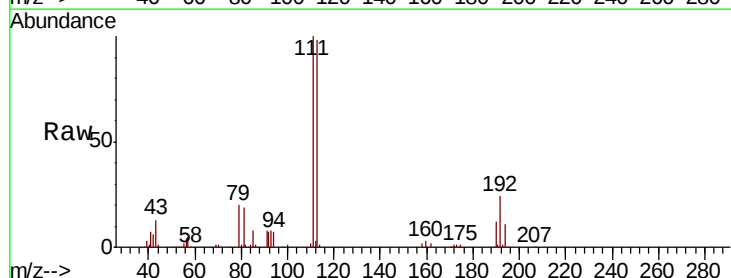
Tgt Ion:113 Resp: 92450

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

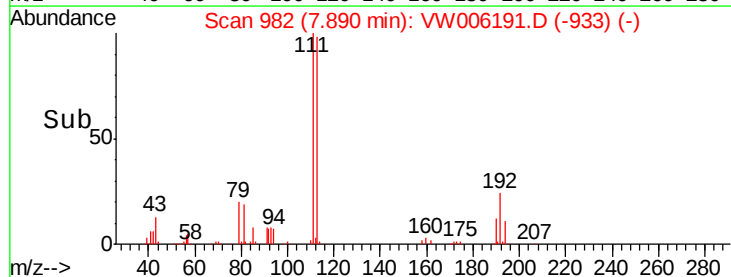
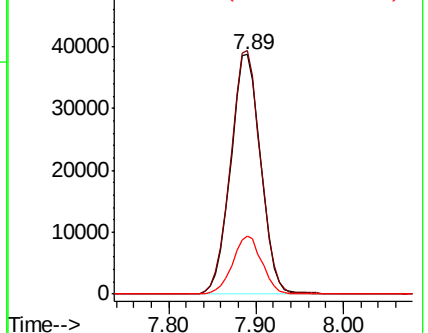
192 23.4 18.7 28.1

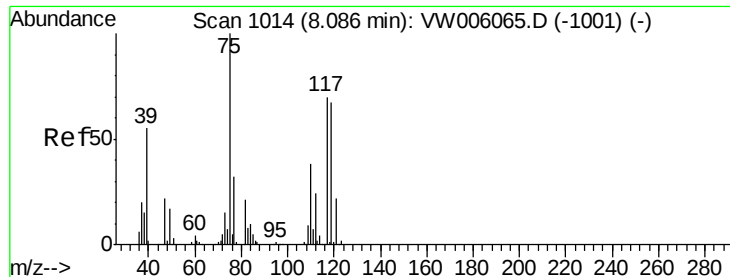


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

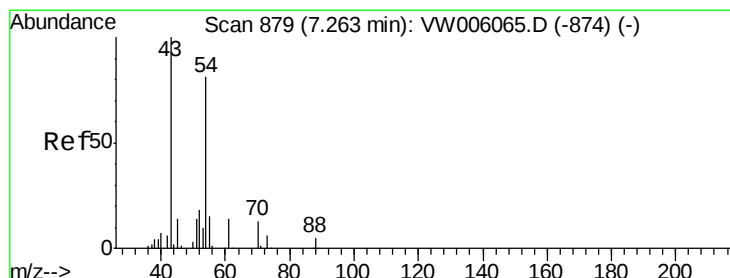
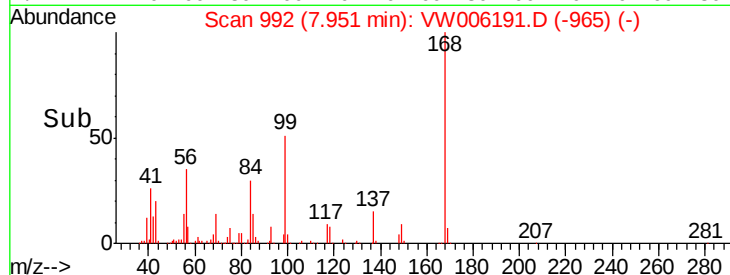
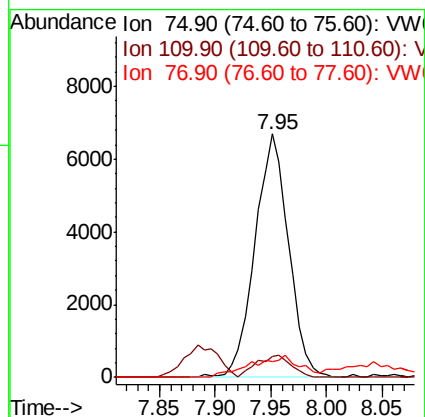
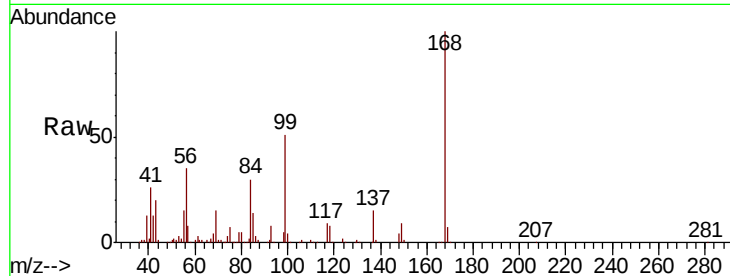
Tot Ion: 75 Resp: 14130

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.1#

77 12.9 25.0 37.4#



#37

Ethyl Acetate

Concen: 5.307 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

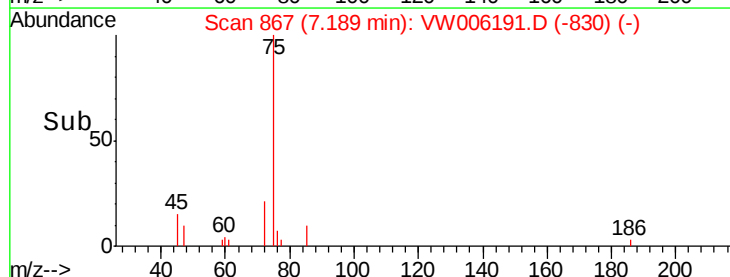
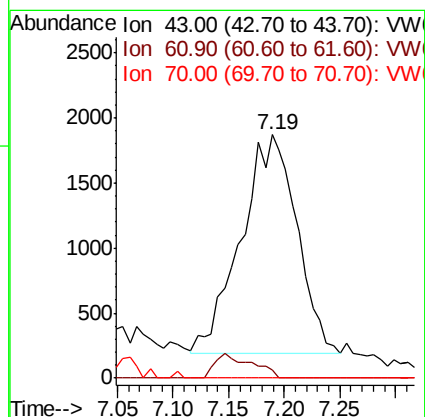
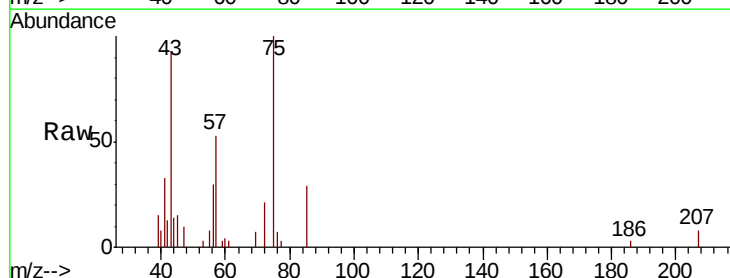
Tgt Ion: 43 Resp: 5886

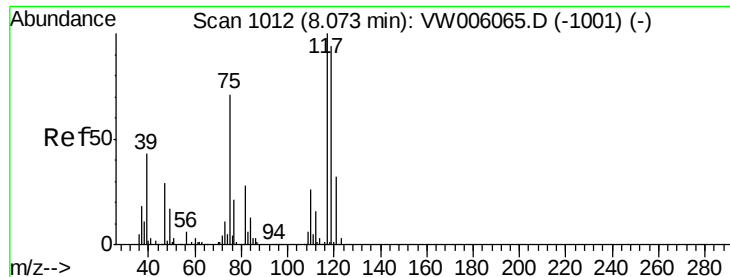
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.718 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

AOC1-01A

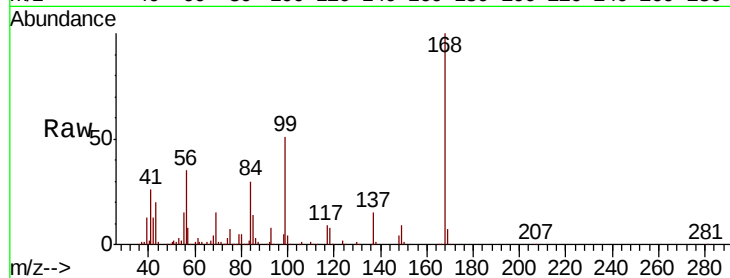
Tot Ion:117 Resp: 18710

Ion Ratio Lower Upper

117 100

119 4.5 75.2 112.8#

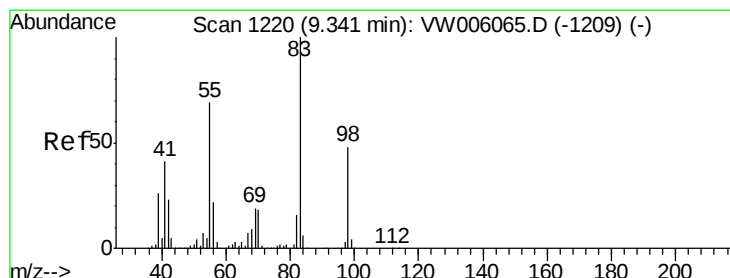
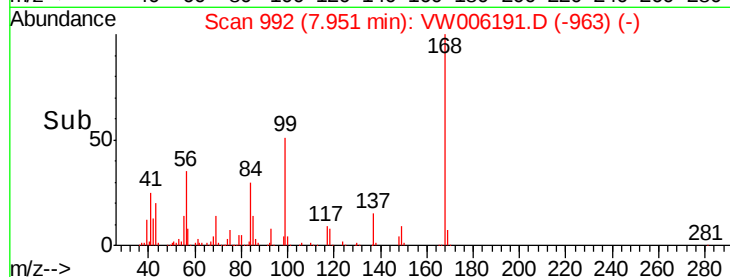
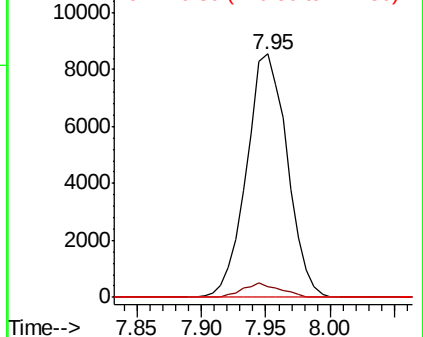
121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 101.675 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

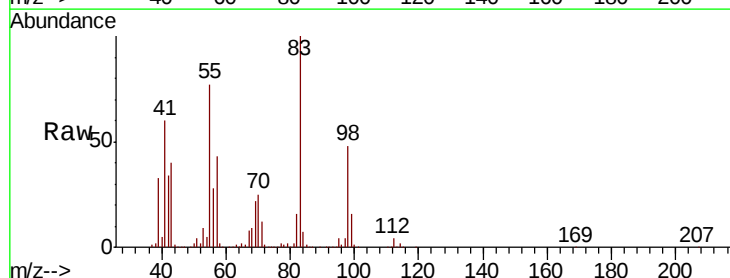
Tgt Ion: 83 Resp: 403423

Ion Ratio Lower Upper

83 100

55 77.0 55.0 82.6

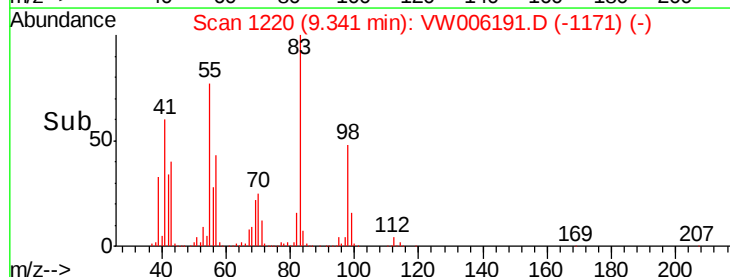
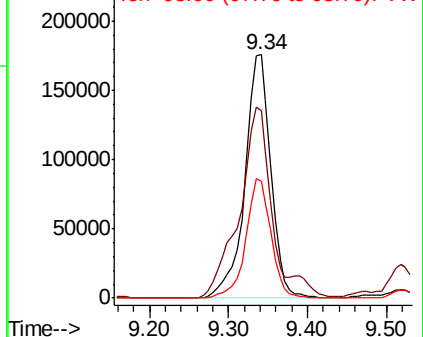
98 48.1 38.6 57.8

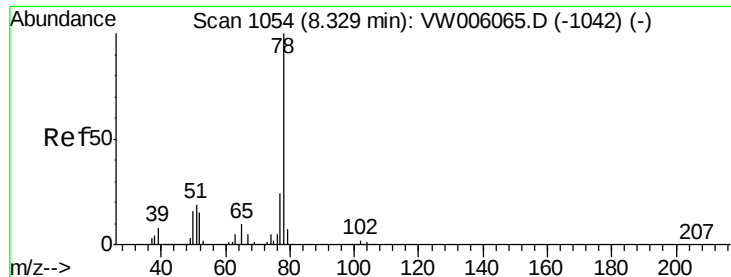


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 3.051 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

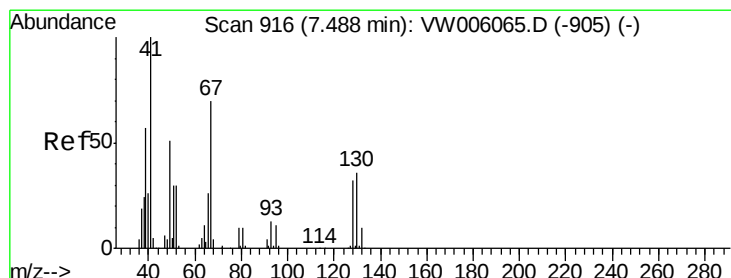
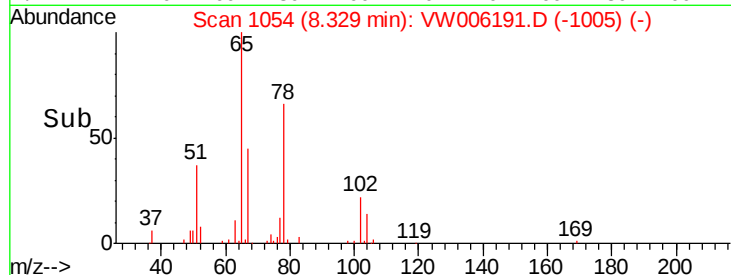
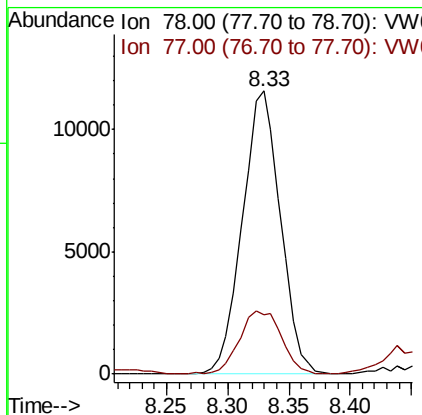
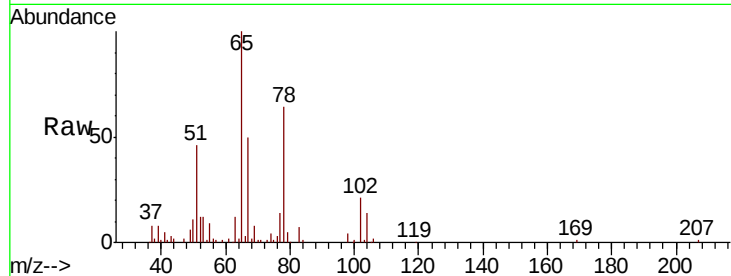
AOC1-01A

Tot Ion: 78 Resp: 24985

Ion Ratio Lower Upper

78 100

77 21.1 19.4 29.0



#41

Methacrylonitrile

Concen: 2.399 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.04 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Tgt Ion: 41 Resp: 1604

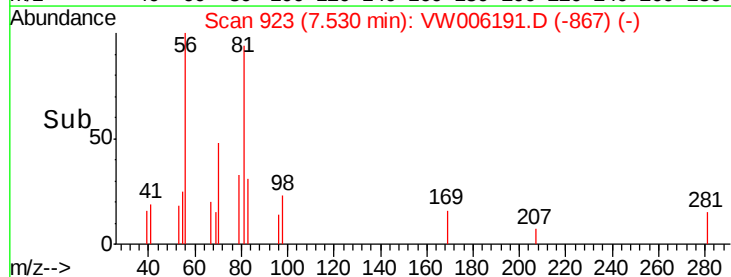
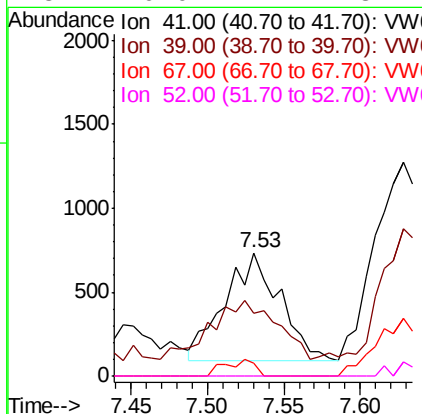
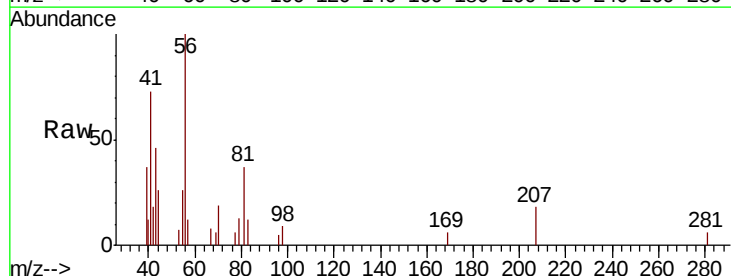
Ion Ratio Lower Upper

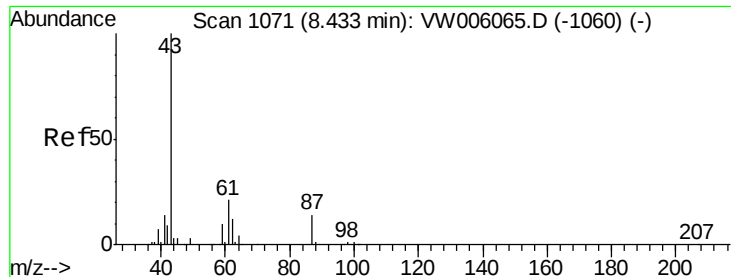
41 100

39 64.8 46.2 69.4

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 21.816 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

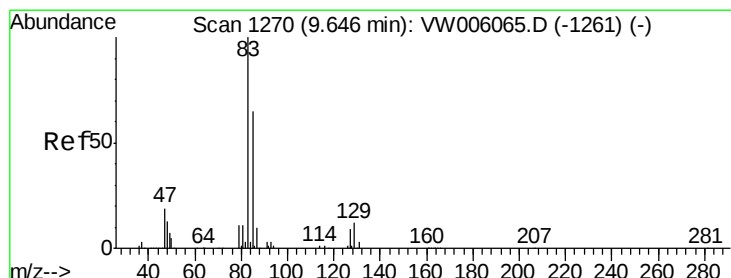
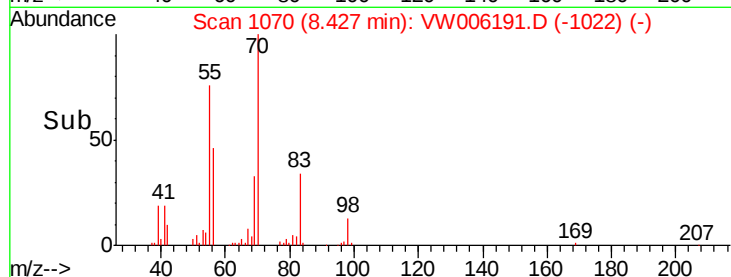
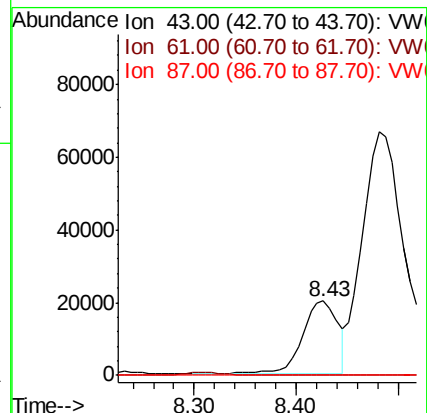
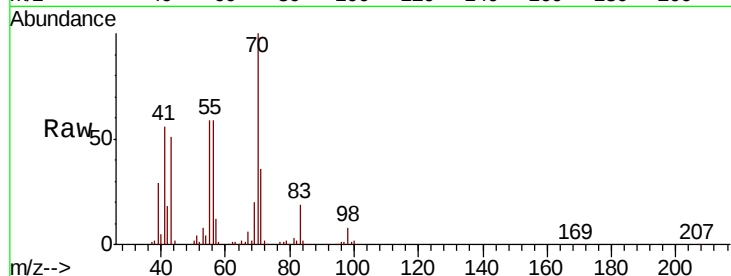
Tot Ion: 43 Resp: 49469

Ion Ratio Lower Upper

43 100

61 0.2 25.5 38.3#

87 0.0 11.7 17.5#



#47

Bromodichloromethane

Concen: 8.046 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

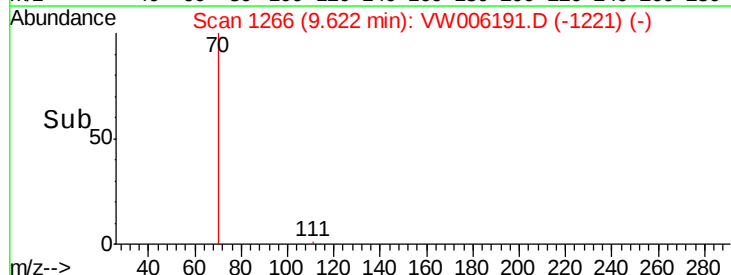
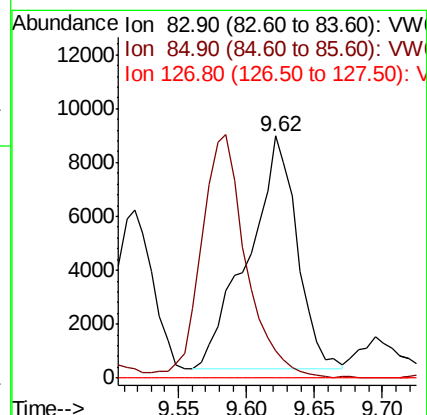
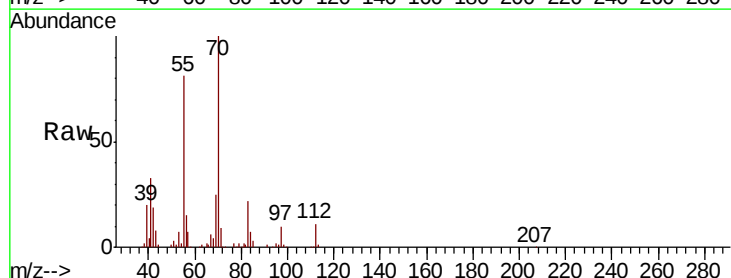
Tgt Ion: 83 Resp: 21784

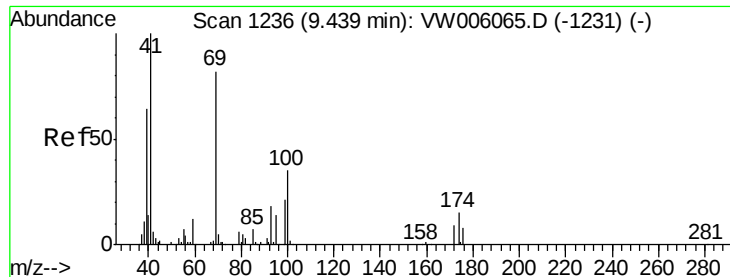
Ion Ratio Lower Upper

83 100

85 11.1 51.8 77.8#

127 0.0 6.9 10.3#

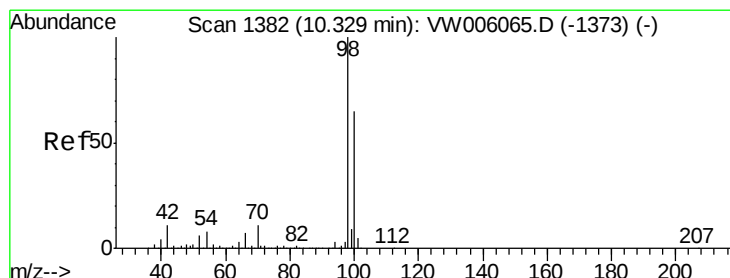
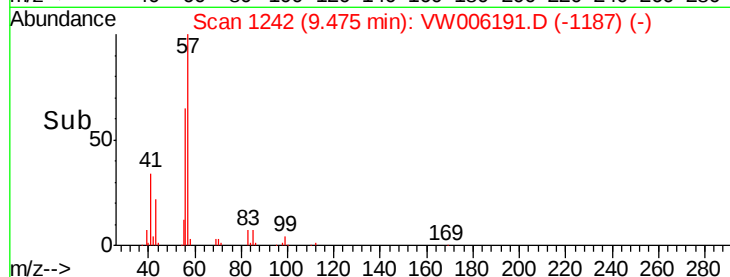
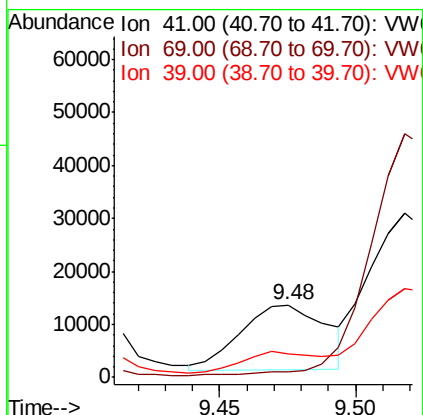
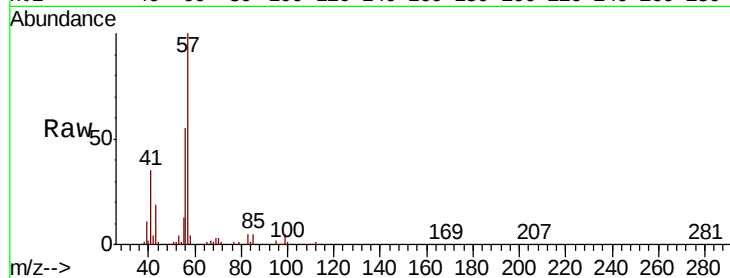




#48
Methyl methacrylate
Concen: 24.887 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.04 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

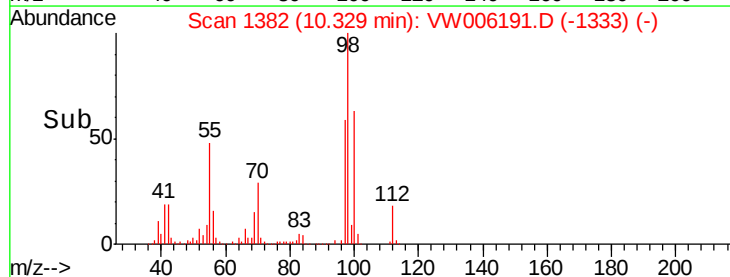
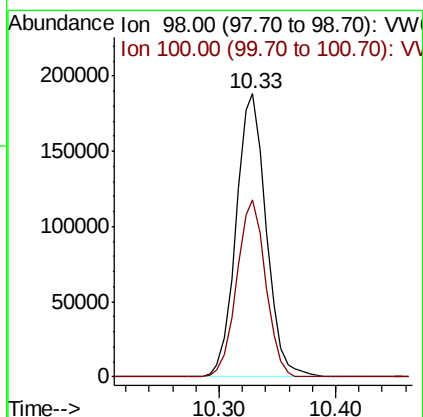
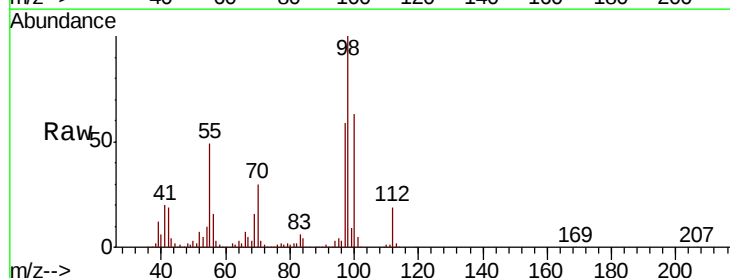
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

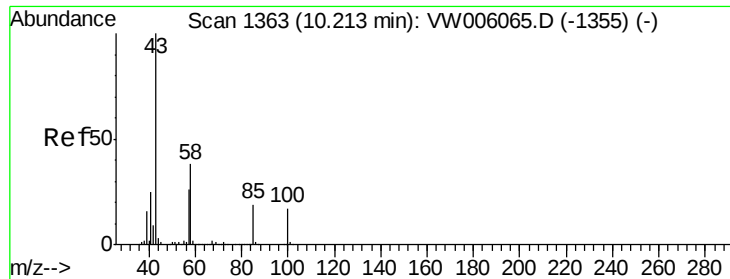
Tot Ion: 41 Resp: 26750
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 27.0 52.5 78.7#



#50
Toluene-d8
Concen: 46.394 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 98 Resp: 337759
Ion Ratio Lower Upper
98 100
100 60.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 60.140 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

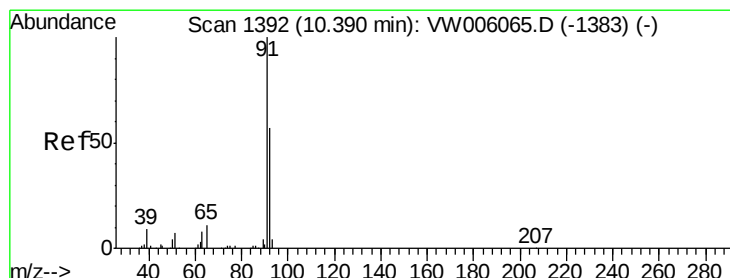
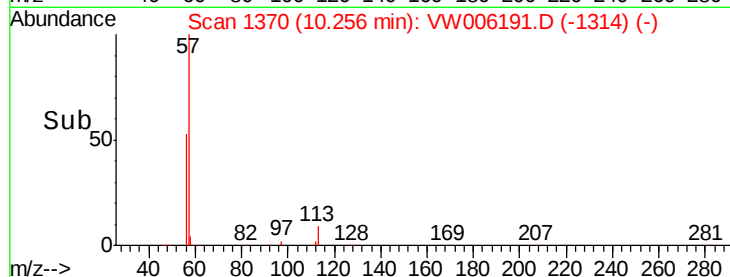
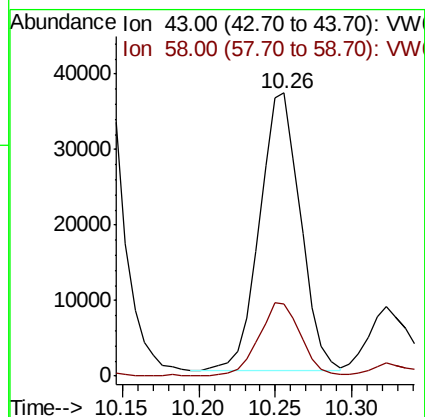
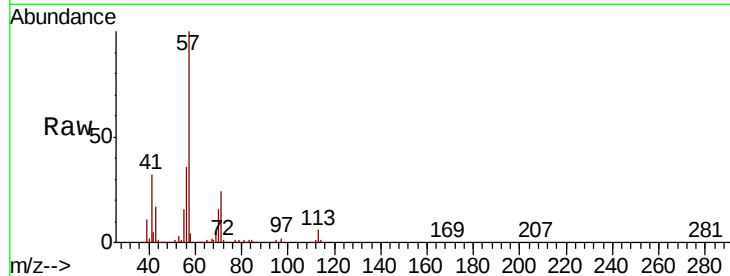
AOC1-01A

Tot Ion: 43 Resp: 68326

Ion Ratio Lower Upper

43 100

58 27.1 31.5 47.3#



#52

Toluene

Concen: 3.205 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006191.D

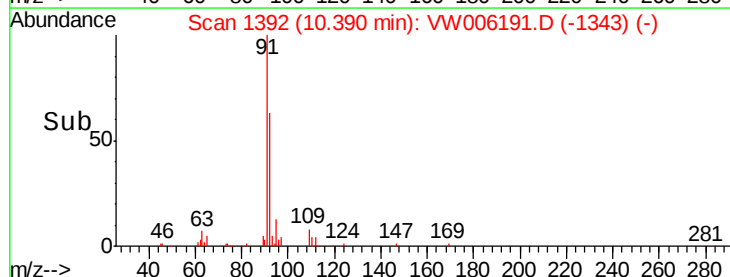
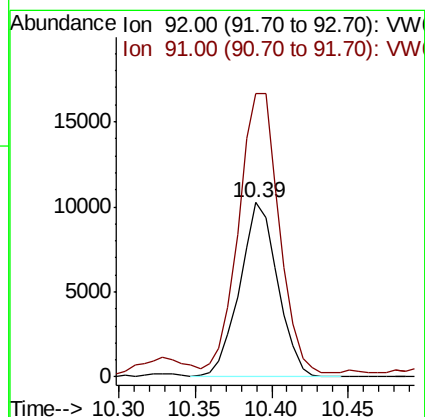
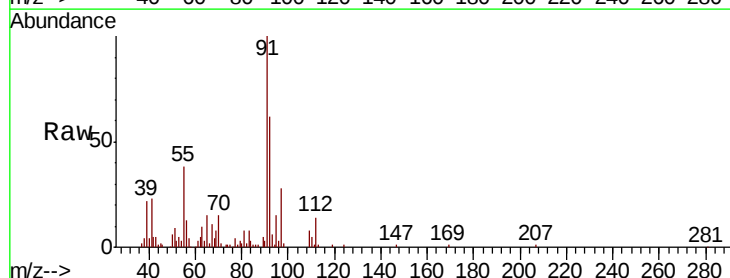
Acq: 18 Oct 2018 21:54

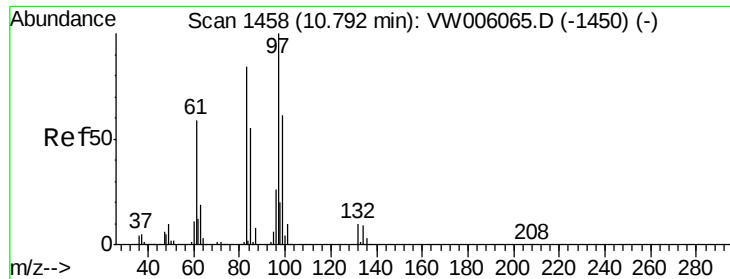
Tgt Ion: 92 Resp: 17595

Ion Ratio Lower Upper

92 100

91 171.6 140.0 210.0

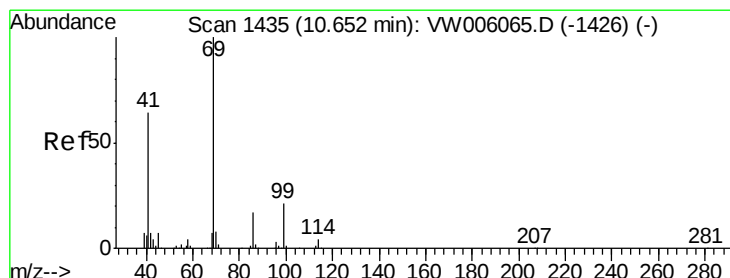
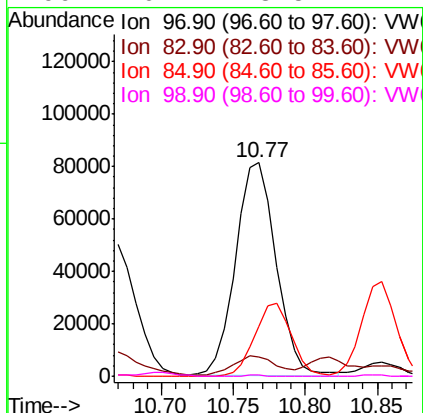
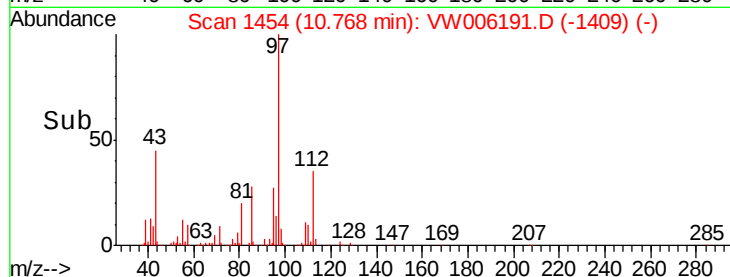
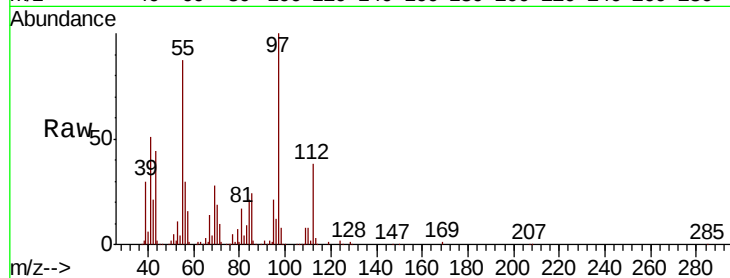




#55
 1,1,2-Trichloroethane
 Concen: 101.708 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

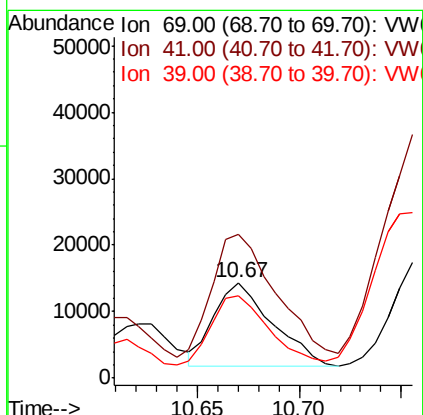
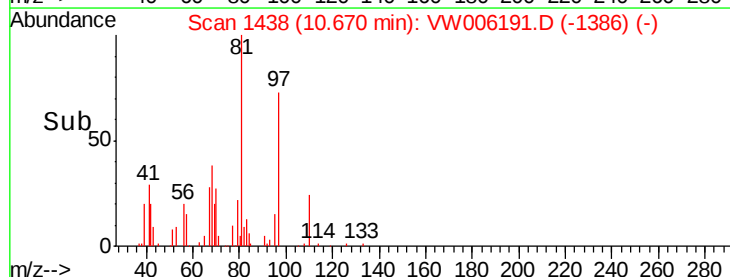
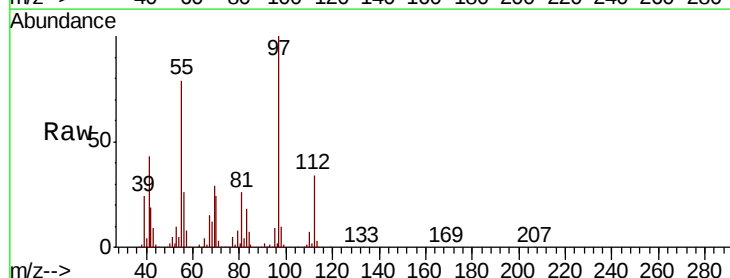
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

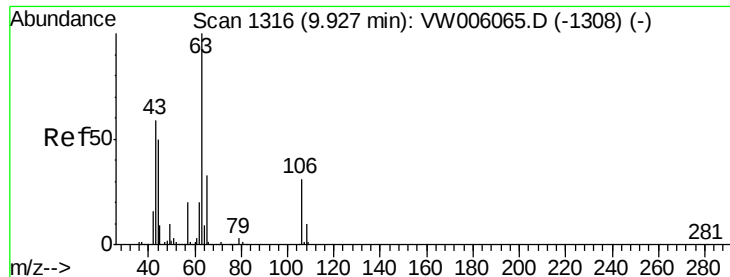
Tot Ion	97	Resp	158939
Ion Ratio	Lower	Upper	
97	100		
83	8.2	67.2	100.8#
85	23.7	43.7	65.5#
99	0.4	48.5	72.7#



#56
 Ethyl methacrylate
 Concen: 12.947 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion	69	Resp	24804
Ion Ratio	Lower	Upper	
69	100		
41	178.6	52.8	79.2#
39	86.2	30.6	45.8#

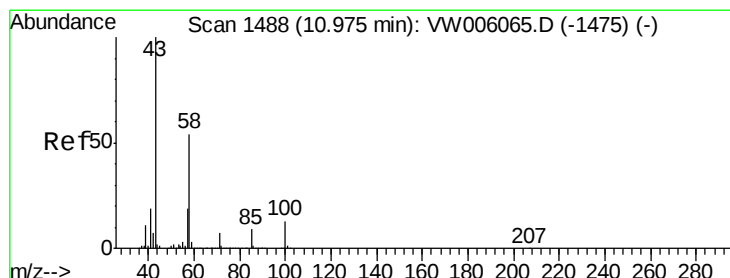
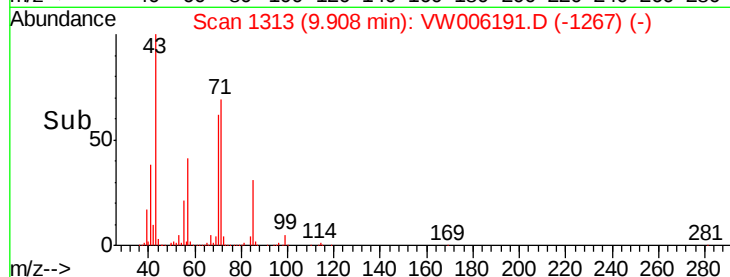
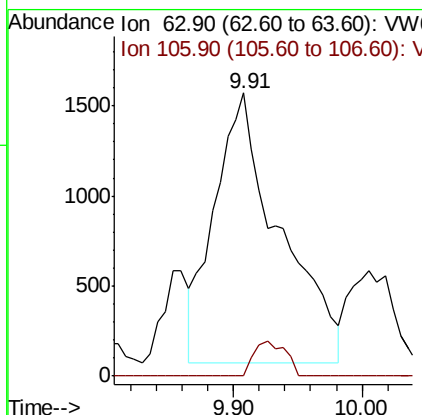
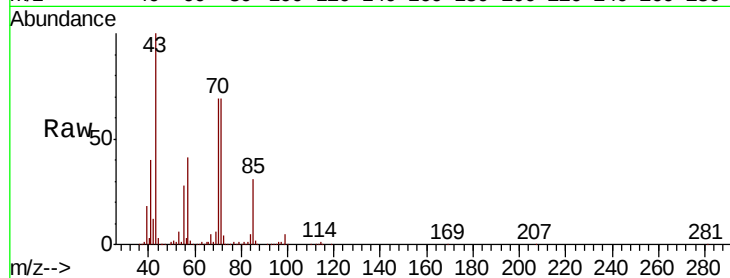




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.176 ug/l
 RT: 9.91 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

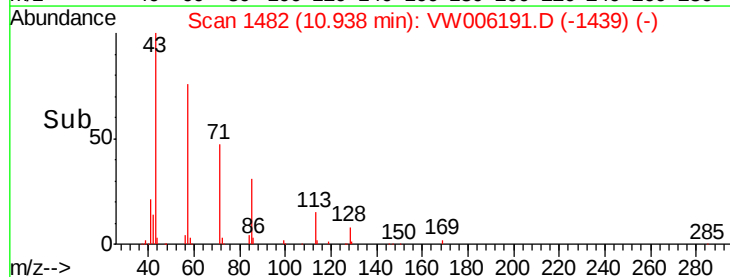
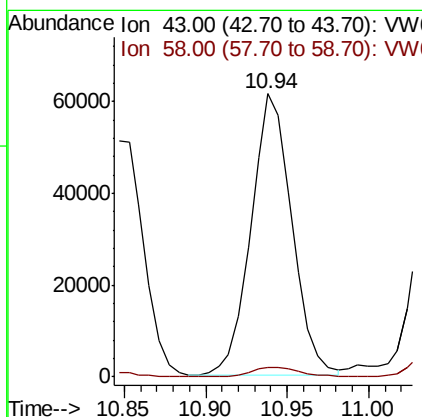
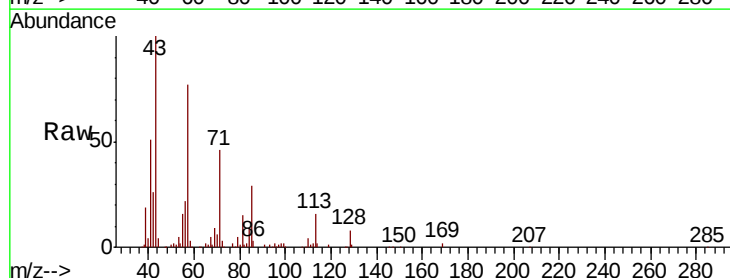
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

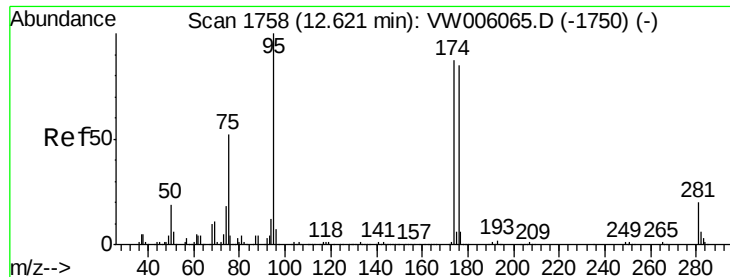
Tot Ion: 63 Resp: 5253
 Ion Ratio Lower Upper
 63 100
 106 6.1 24.5 36.7#



#59
 2-Hexanone
 Concen: 131.183 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.04 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion: 43 Resp: 106389
 Ion Ratio Lower Upper
 43 100
 58 4.3 26.9 80.6#

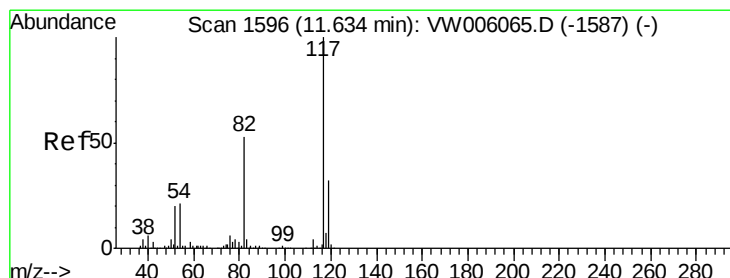
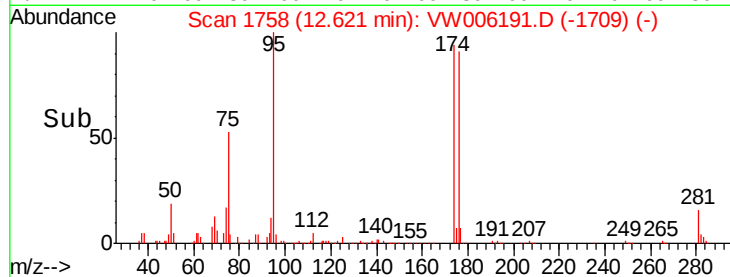
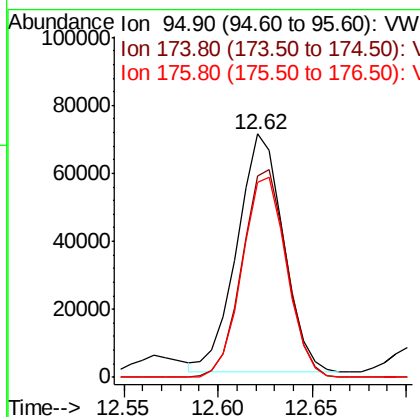
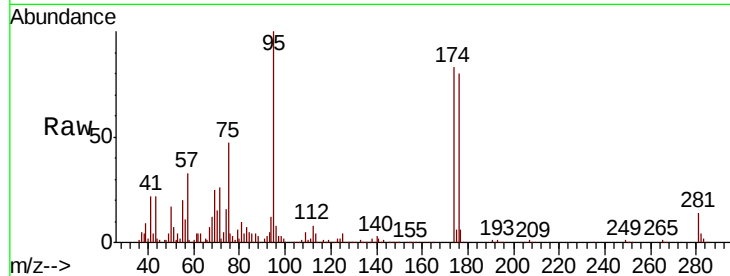




#62
4-Bromofluorobenzene
Concen: 43.908 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

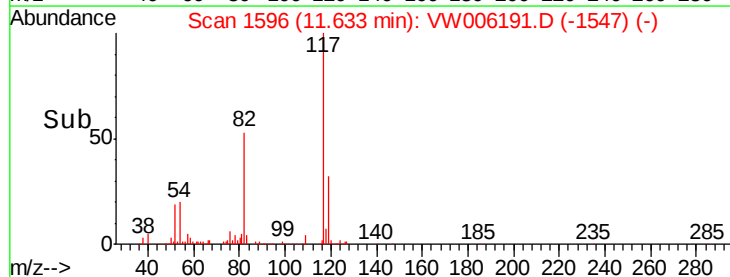
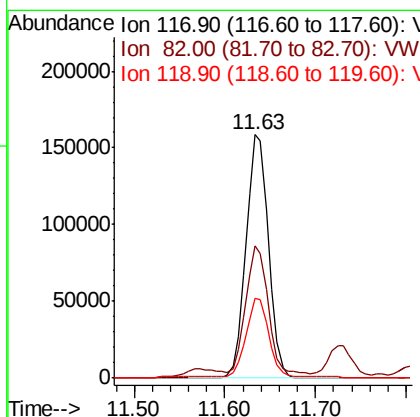
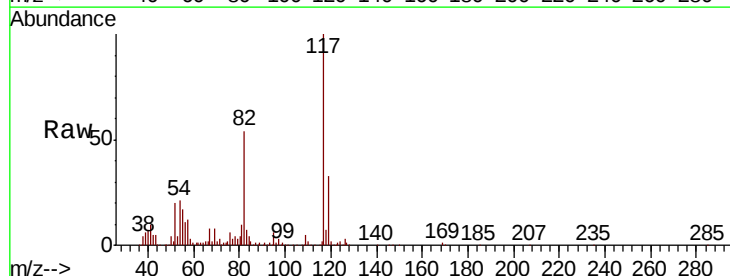
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

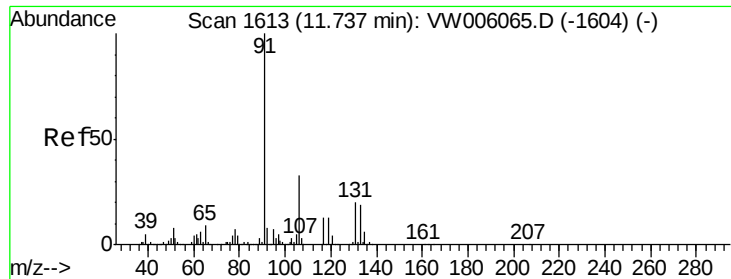
Tot Ion	95	Resp	120059
Ion Ratio	Lower	Upper	
95	100		
174	83.7	0.0	186.0
176	80.9	0.0	181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion	117	Resp	270759
Ion Ratio	Lower	Upper	
117	100		
82	51.3	42.1	63.1
119	32.1	25.8	38.6

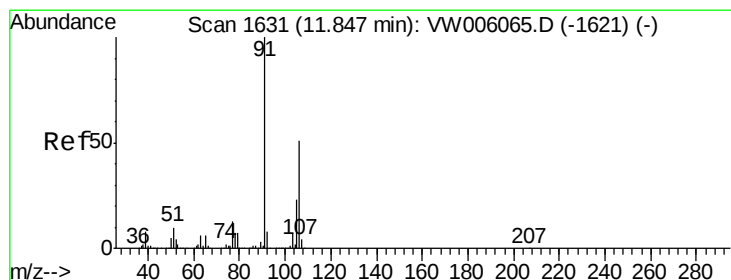
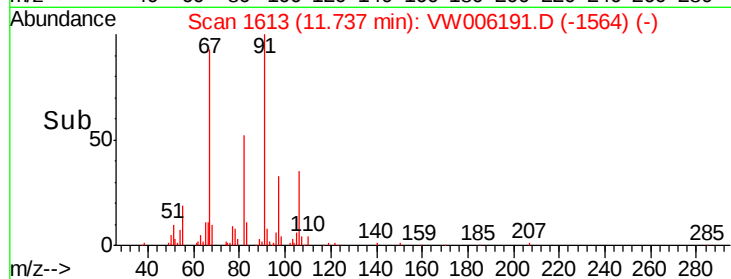
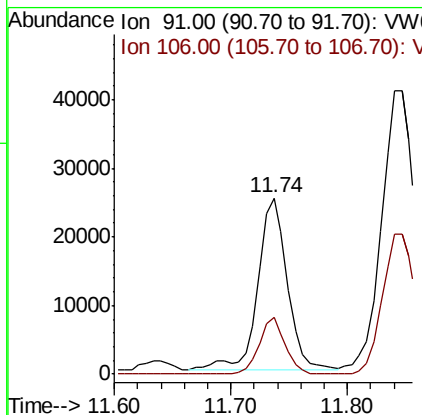
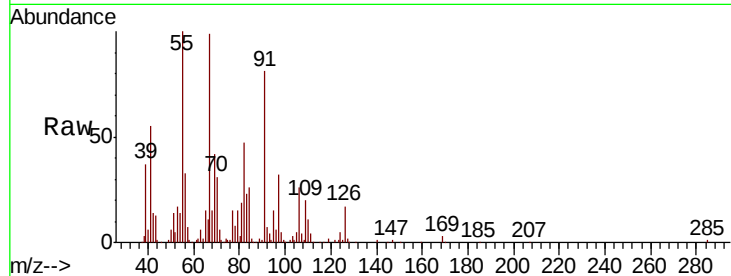




#67
Ethyl Benzene
Concen: 4.375 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

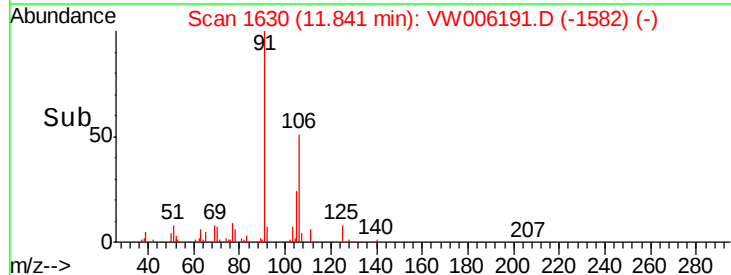
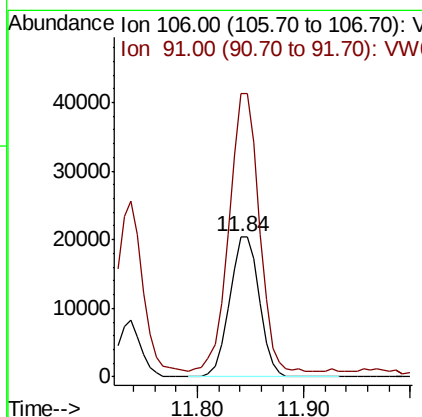
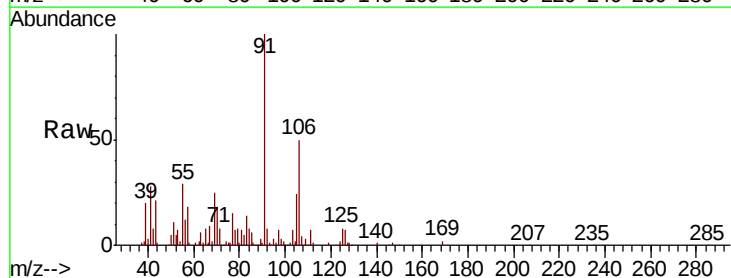
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

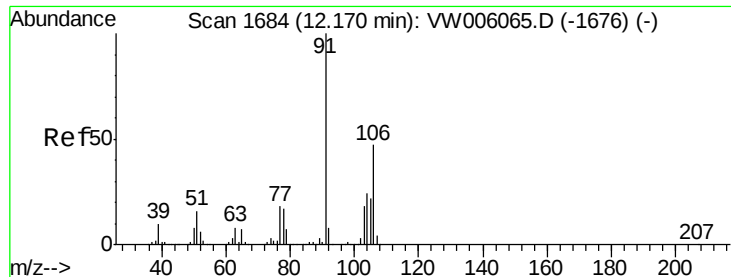
Tot Ion: 91 Resp: 43948
Ion Ratio Lower Upper
91 100
106 33.4 26.1 39.1



#68
m/p-Xylenes
Concen: 10.071 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 106 Resp: 39983
Ion Ratio Lower Upper
106 100
91 200.0 159.1 238.7

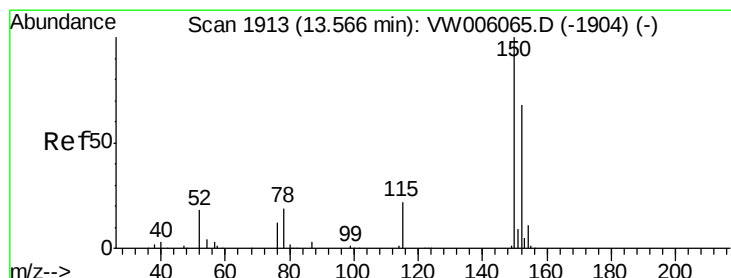
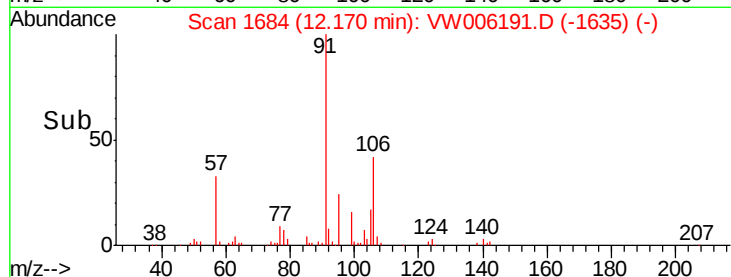
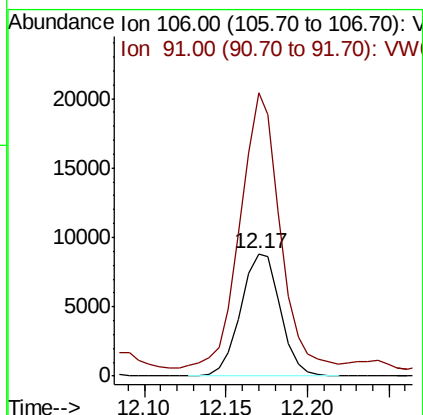
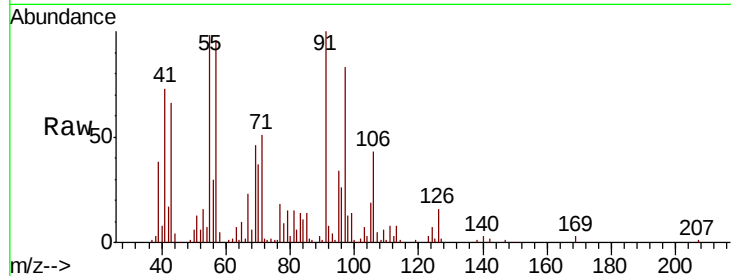




#69
o-Xylene
Concen: 3.929 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

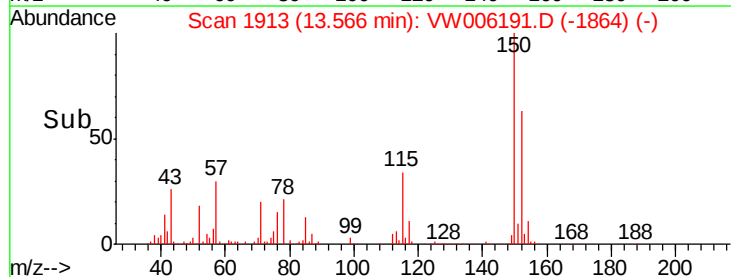
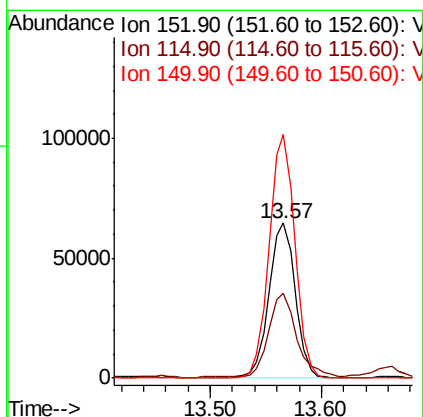
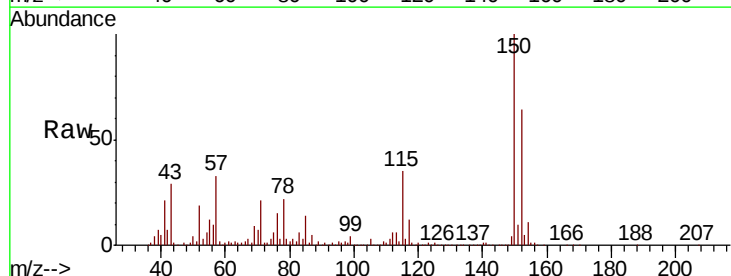
Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

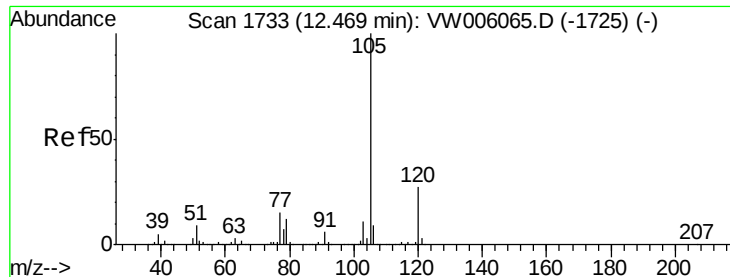
Tot Ion:106 Resp: 14866
Ion Ratio Lower Upper
106 100
91 226.2 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion:152 Resp: 106484
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 153.3 0.0 349.2





#73

Isopropylbenzene

Concen: 40.919 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

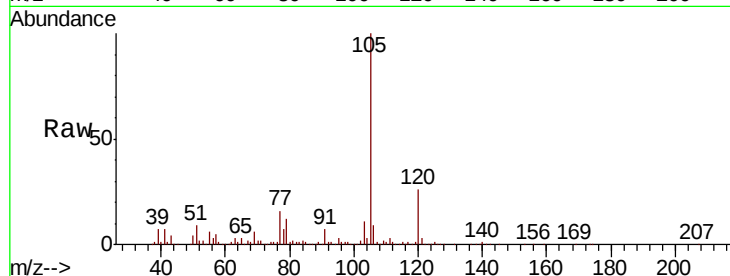
AOC1-01A

Tot Ion:105 Resp: 307826

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

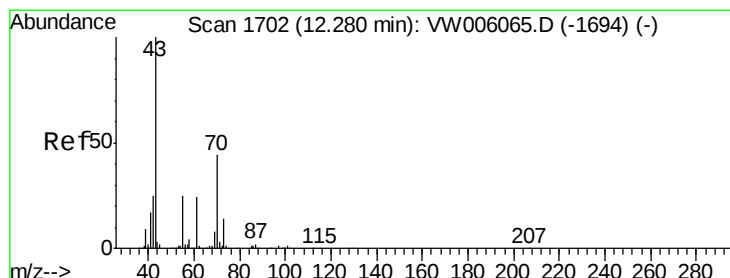
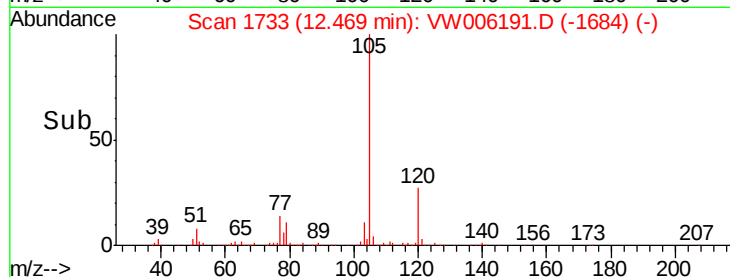
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 50.822 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Tgt Ion: 43 Resp: 74258

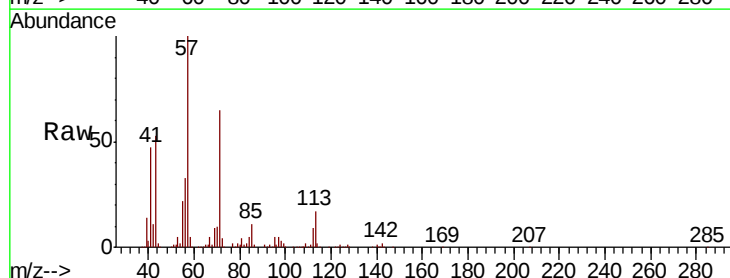
Ion Ratio Lower Upper

43 100

70 21.9 34.2 51.4#

55 22.6 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

12.26

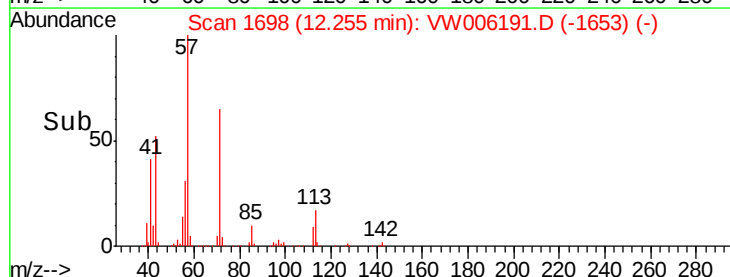
60000

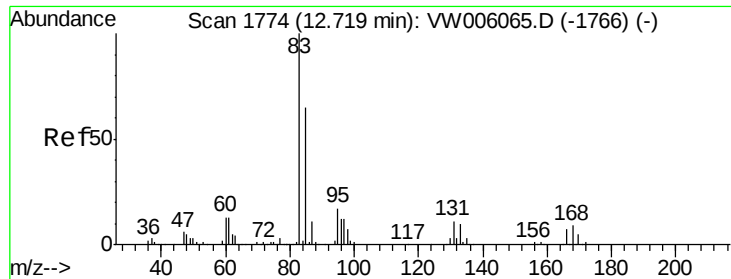
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 3.904 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

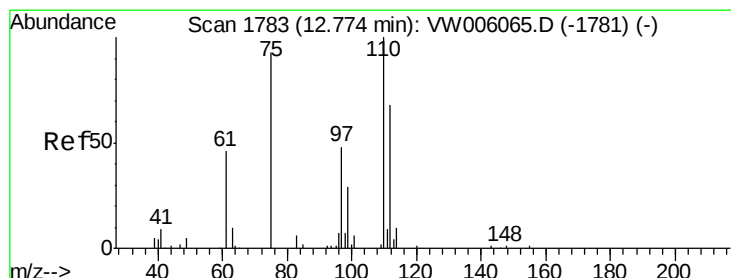
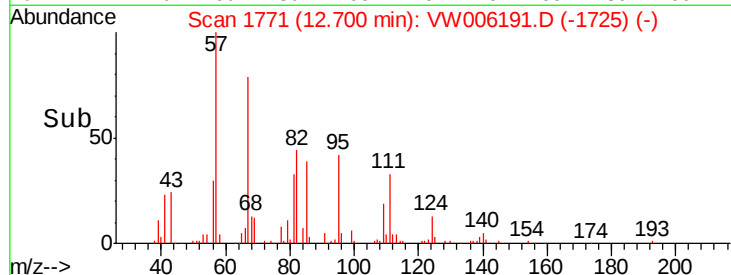
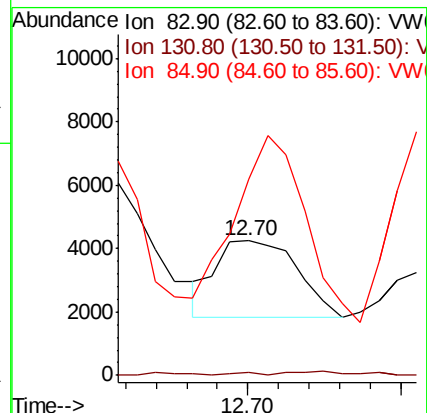
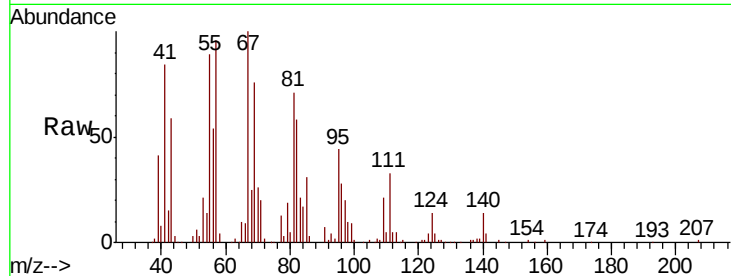
Tot Ion: 83 Resp: 4467

Ion Ratio Lower Upper

83 100

131 1.3 5.9 17.7#

85 274.7 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 6.004 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW006191.D

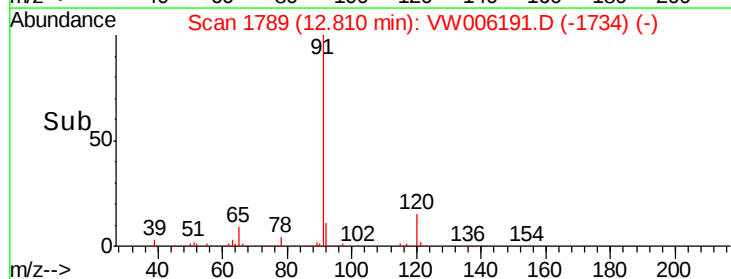
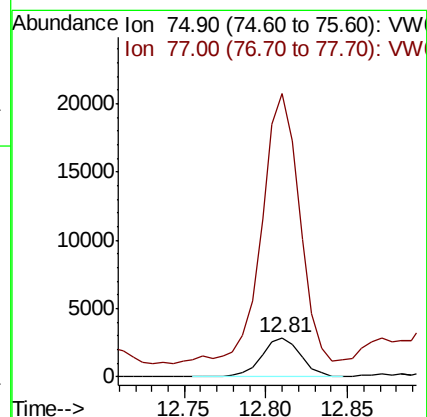
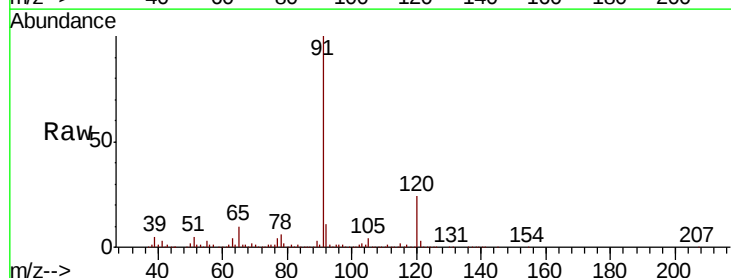
Acq: 18 Oct 2018 21:54

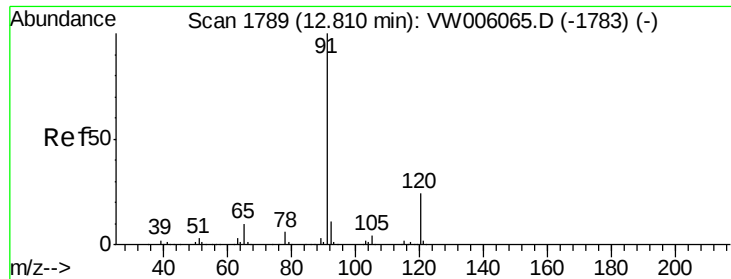
Tgt Ion: 75 Resp: 4883

Ion Ratio Lower Upper

75 100

77 661.9 0.0 0.0#

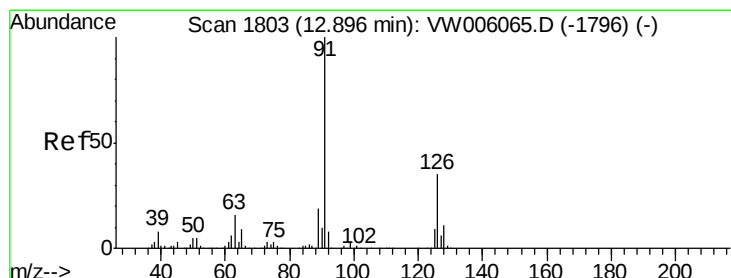
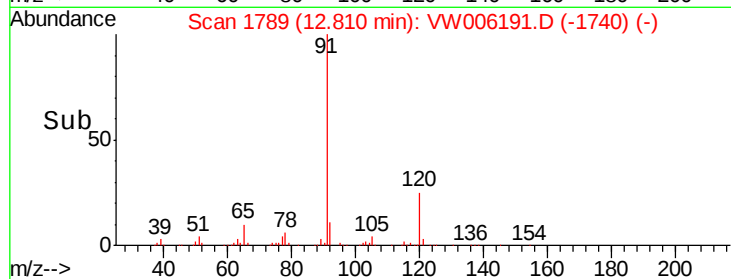
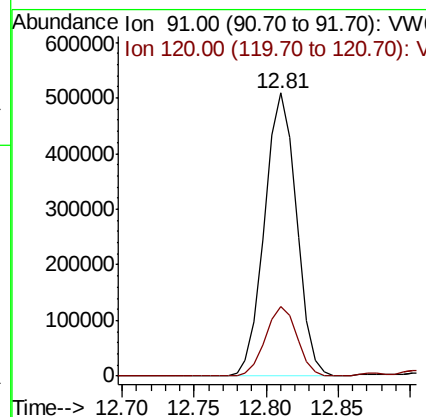
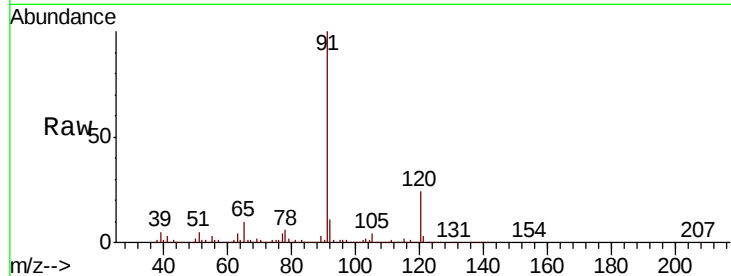




#78
n-propylbenzene
Concen: 88.869 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

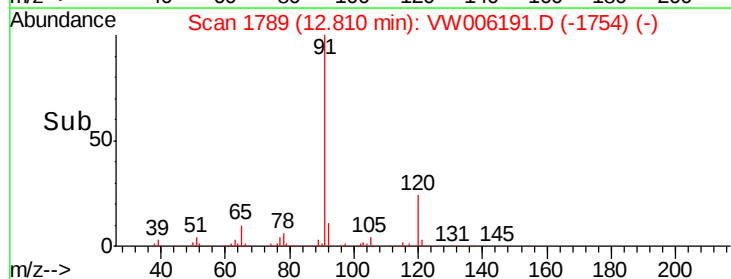
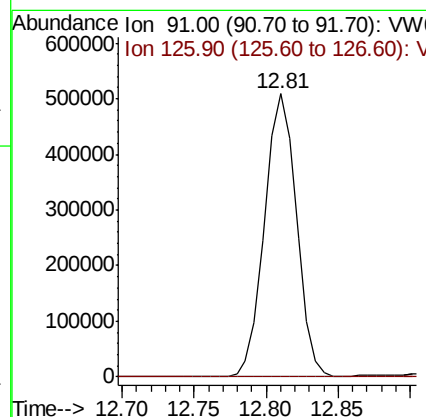
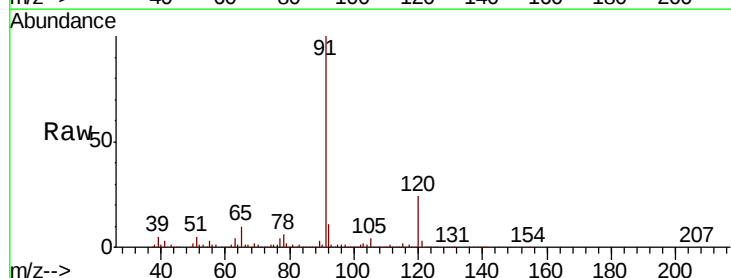
Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

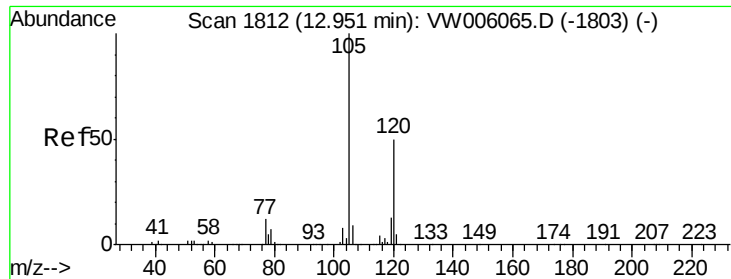
Tot Ion: 91 Resp: 777790
Ion Ratio Lower Upper
91 100
120 24.5 12.2 36.6



#79
2-Chlorotoluene
Concen: 158.169 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.09 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 91 Resp: 777790
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.8#





#80

1,3,5-Trimethylbenzene

Concen: 2.276 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

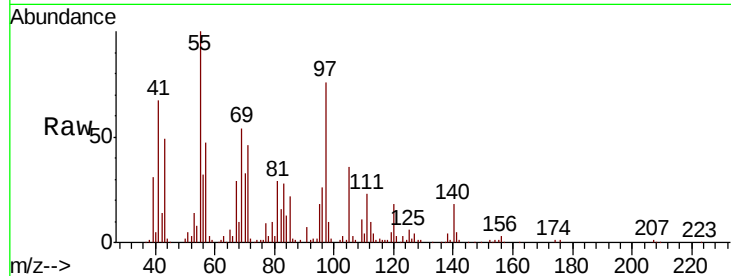
AOC1-01A

Tot Ion:105 Resp: 14432

Ion Ratio Lower Upper

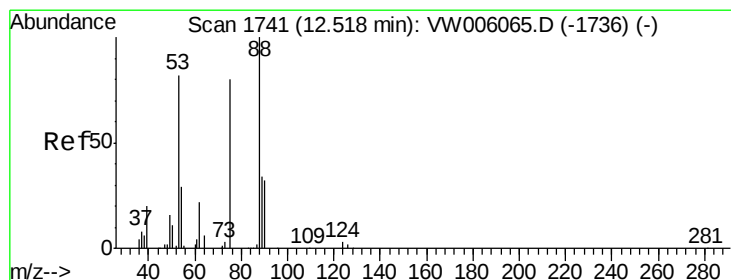
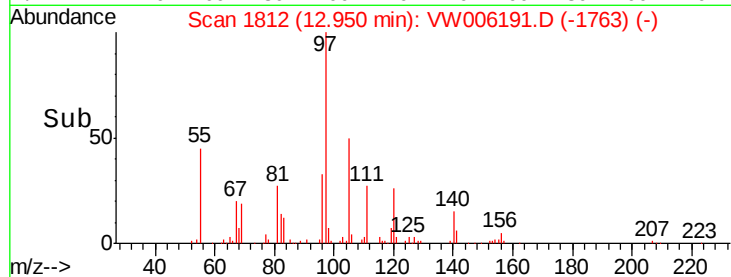
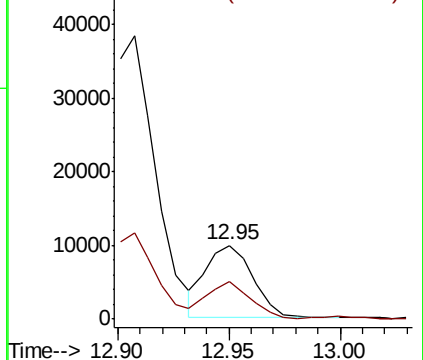
105 100

120 45.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 11.007 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

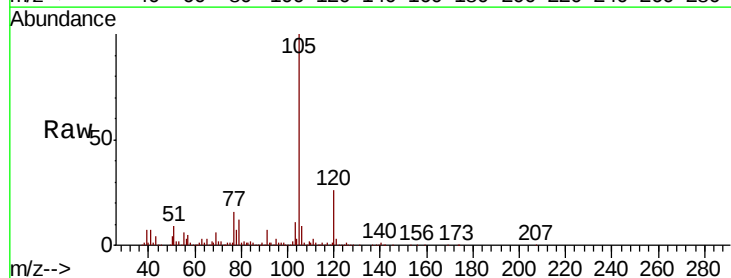
Tgt Ion: 75 Resp: 3745

Ion Ratio Lower Upper

75 100

53 71.9 79.8 119.6#

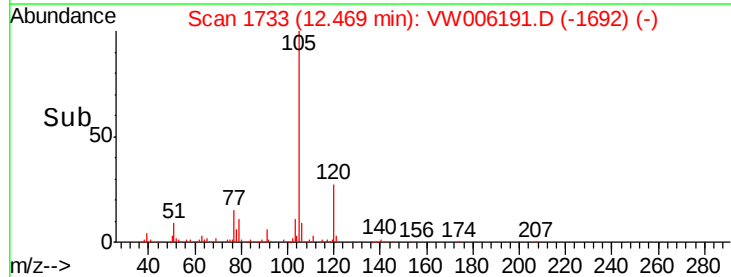
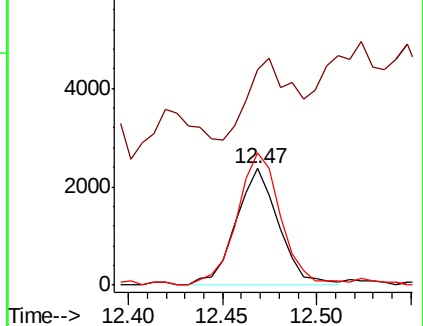
89 114.8 37.5 56.3#

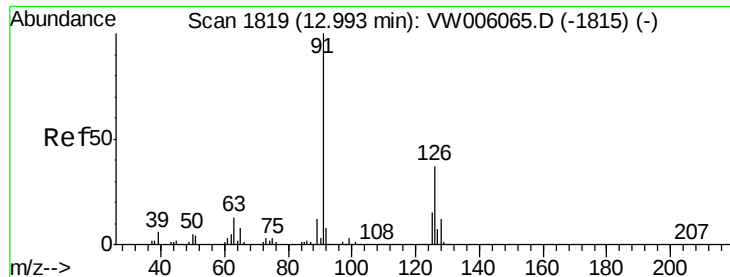


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 9.200 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. 0.12 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

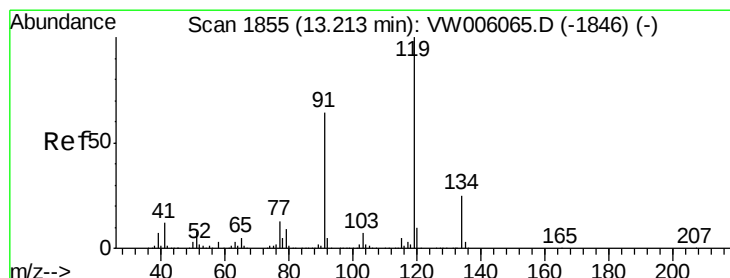
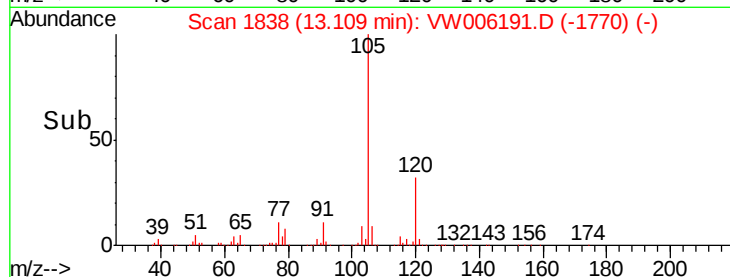
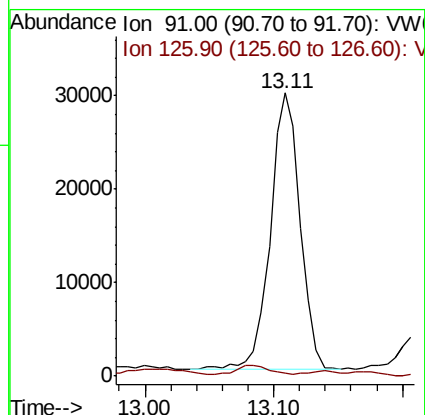
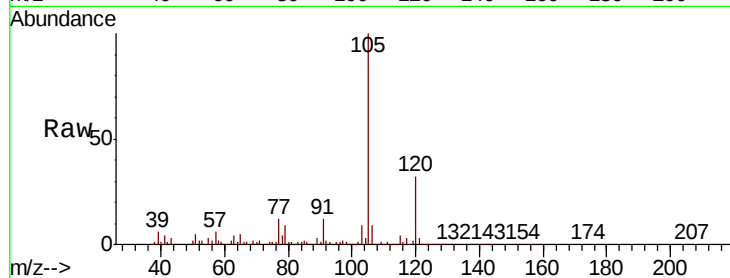
AOC1-01A

Tot Ion: 91 Resp: 47389

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.3#



#83

tert-Butylbenzene

Concen: 1.906 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

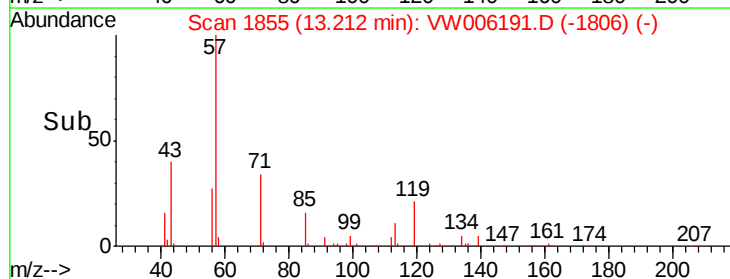
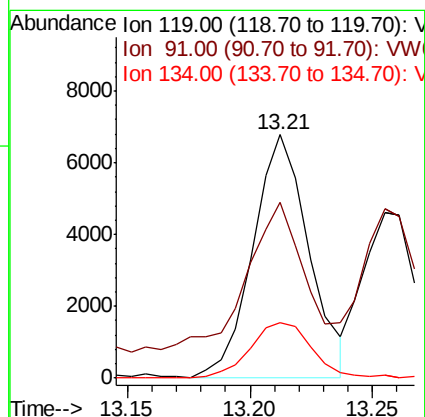
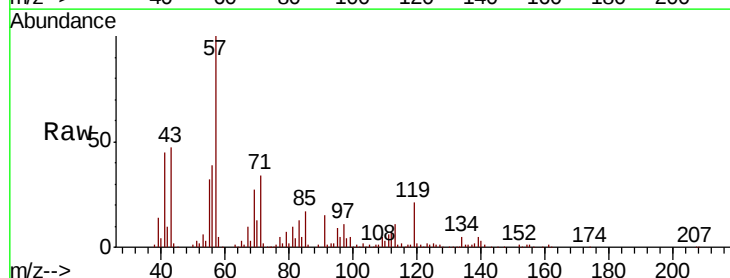
Tgt Ion: 119 Resp: 10815

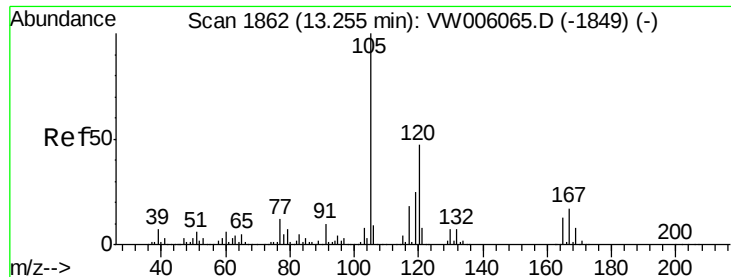
Ion Ratio Lower Upper

119 100

91 63.5 32.3 96.9

134 25.4 13.6 40.8

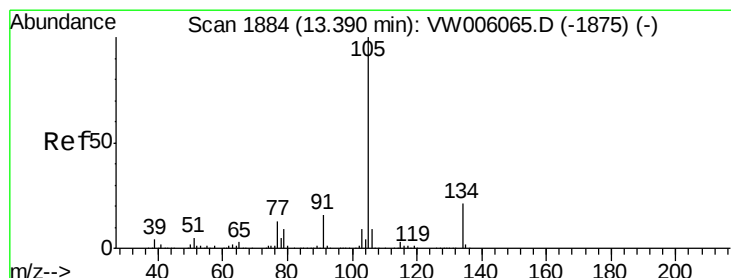
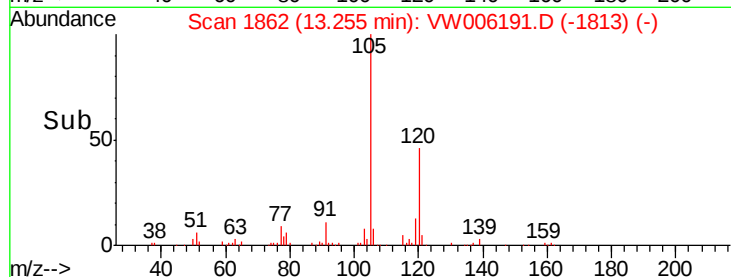
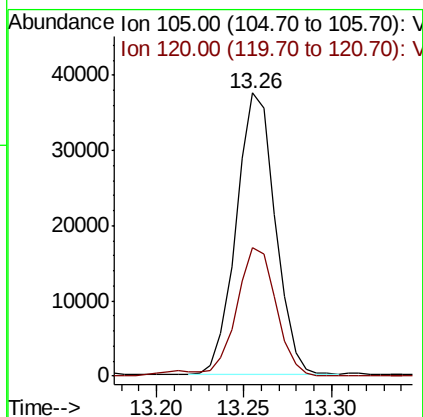
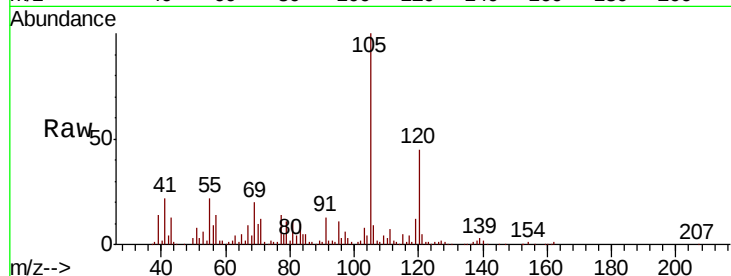




#84
 1,2,4-Trimethylbenzene
 Concen: 9.077 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

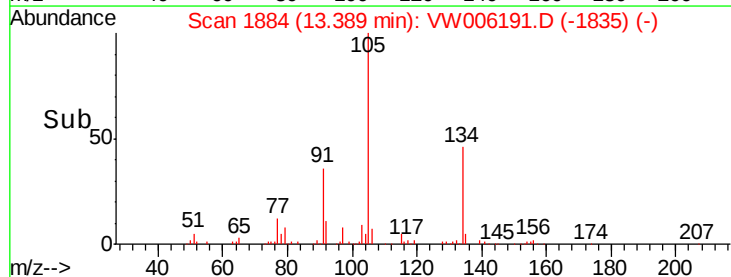
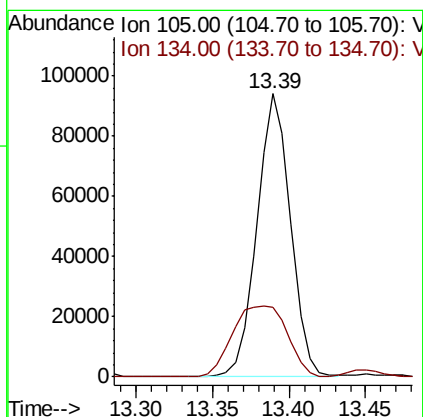
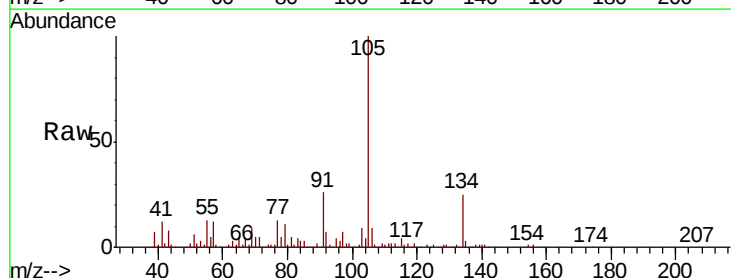
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

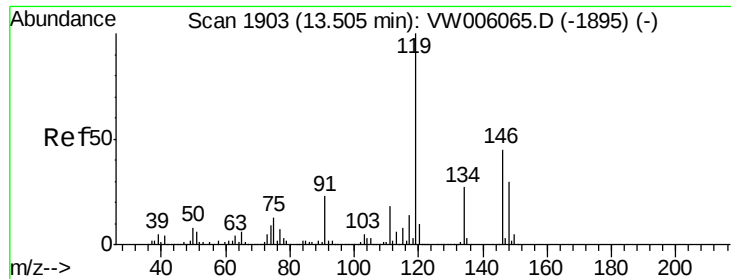
Tot Ion:105 Resp: 58250
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 17.793 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion:105 Resp: 142628
 Ion Ratio Lower Upper
 105 100
 134 41.3 10.5 31.6#

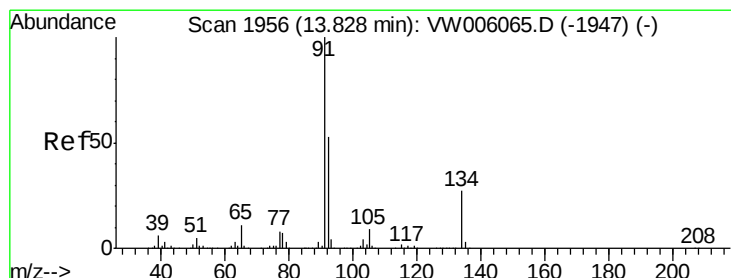
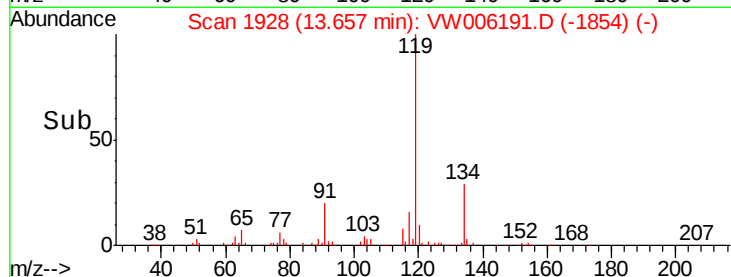
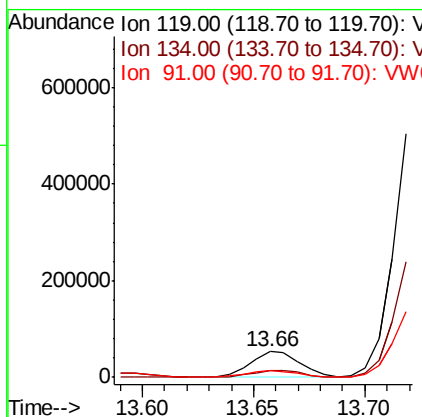
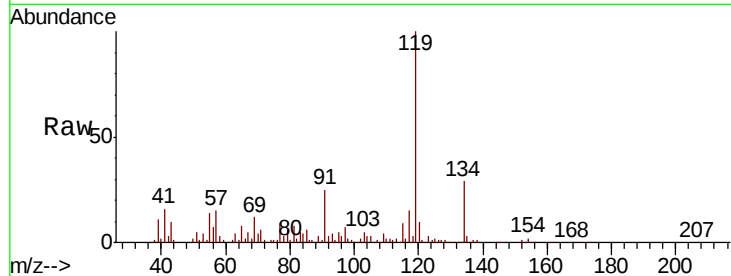




#86
p-Isopropyltoluene
Concen: 11.162 ug/l
RT: 13.66 min Scan# 1928
Delta R.T. 0.15 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

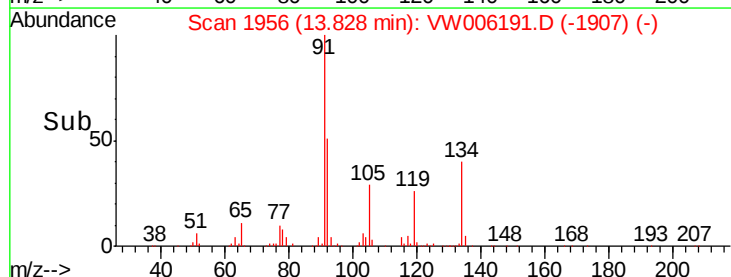
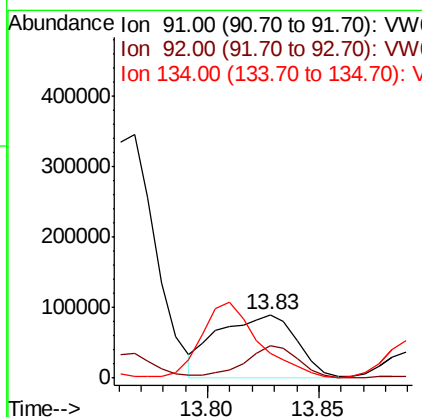
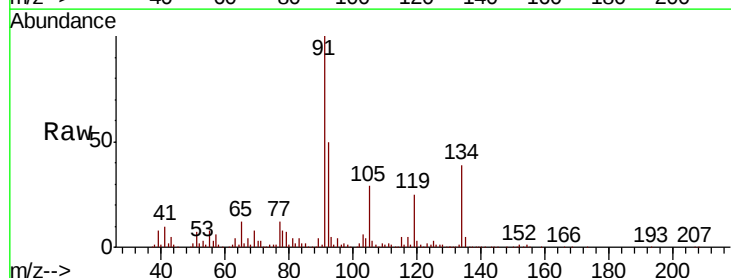
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

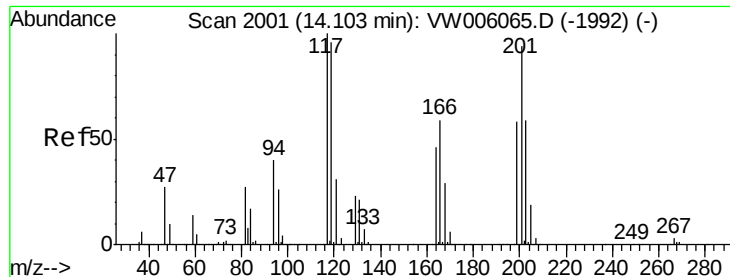
Tot Ion:119 Resp: 80929
Ion Ratio Lower Upper
119 100
134 29.7 13.4 40.2
91 23.2 11.4 34.1



#89
n-Butylbenzene
Concen: 32.713 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 91 Resp: 216914
Ion Ratio Lower Upper
91 100
92 34.9 26.6 79.7
134 89.0 14.0 41.9#





#90

Hexachloroethane

Concen: 324.791 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

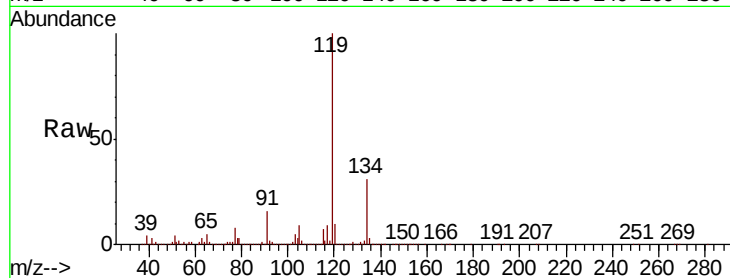
AOC1-01A

Tot Ion:117 Resp: 398880

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

14.10

250000

200000

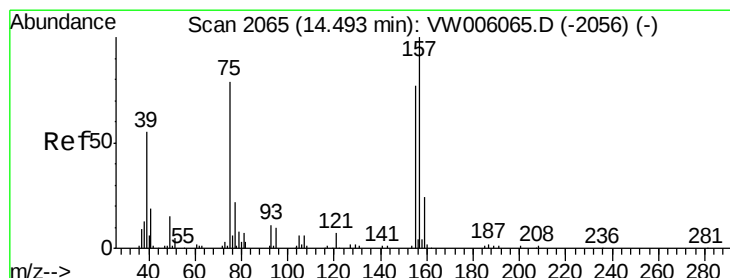
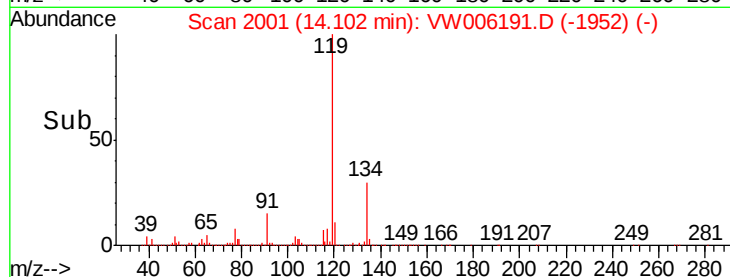
150000

100000

50000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.272 ug/l

RT: 14.50 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

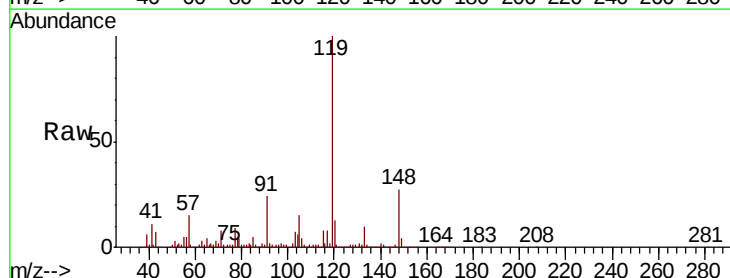
Tgt Ion: 75 Resp: 2514

Ion Ratio Lower Upper

75 100

155 18.1 46.5 139.5#

157 0.0 59.8 179.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

2500

2000

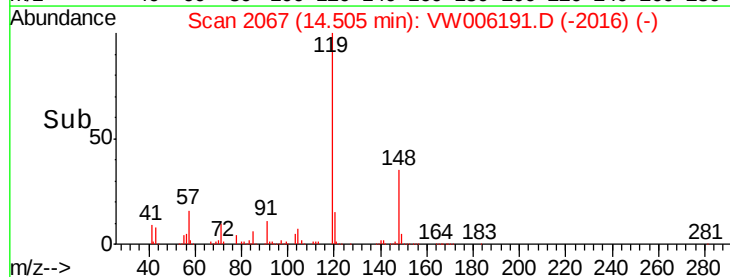
1500

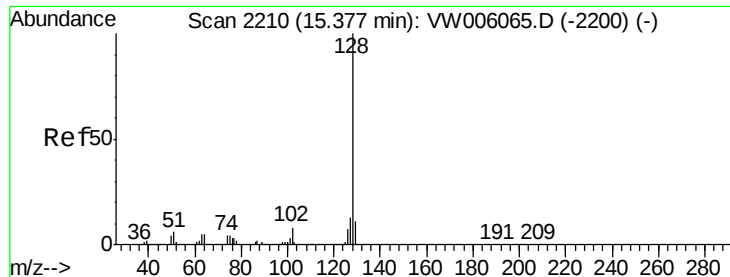
1000

500

0

Time-->

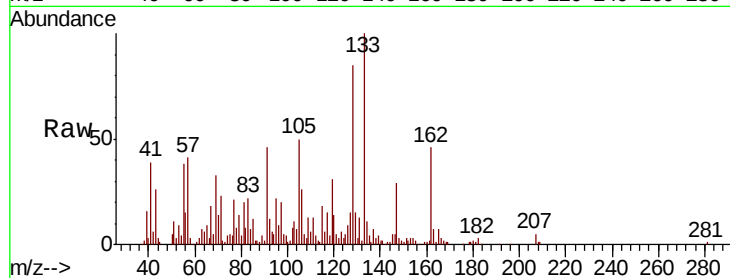




#95
 Naphthalene
 Concen: 3.876 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tot 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

