

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006140.D
 Acq On : 17 Oct 2018 21:11
 Operator : VA/AP
 Sample : J5515-20
 Misc : 5.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-02A

Quant Time: Oct 18 10:46:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129273	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	119967	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.88	113	116967	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	10.33	98	405098	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	
62) 4-Bromofluorobenzene	12.62	95	128111	36.29	ug/l	0.00
Spiked Amount			Recovery	=	72.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1686	10.84	ug/l #	71
13) Acrolein	3.91	56	401	2.66	ug/l #	16
15) Acrylonitrile	5.44	53	1884	4.18	ug/l #	39
16) Acetone	4.14	43	26753	49.78	ug/l	96
18) Methyl Acetate	4.95	43	44549	38.26	ug/l #	49
20) Methylene Chloride	4.92	84	7794	1.61	ug/l	95
25) 2-Butanone	7.18	43	10046	16.07	ug/l #	85
29) Tetrahydrofuran	7.54	42	563	1.47	ug/l #	48
30) Chloroform	7.63	83	6204	1.34	ug/l #	17
31) Cyclohexane	7.95	56	49295	11.64	ug/l #	90
36) 1,1-Dichloropropene	7.95	75	17986	4.67	ug/l #	50
37) Ethyl Acetate	7.18	43	10046	7.02	ug/l #	76
38) Carbon Tetrachloride	7.95	117	25223	5.97	ug/l #	16
39) Methylcyclohexane	9.34	83	138437	27.02	ug/l	91
40) Benzene	8.33	78	12142	1.15	ug/l	99
41) Methacrylonitrile	7.53	41	1340	1.55	ug/l #	35
43) Isopropyl Acetate	8.42	43	16633	5.68	ug/l #	50
47) Bromodichloromethane	9.62	83	11517	3.29	ug/l #	32
48) Methyl methacrylate	9.48	41	11512	8.30	ug/l #	29
51) 4-Methyl-2-Pentanone	10.32	43	9757	6.65	ug/l	91
55) 1,1,2-Trichloroethane	10.76	97	53360	26.45	ug/l #	25
56) Ethyl methacrylate	10.66	69	11723	4.74	ug/l #	1
59) 2-Hexanone	10.94	43	28437	27.16	ug/l #	33
67) Ethyl Benzene	11.74	91	28111	2.27	ug/l	96
68) m/p-Xylenes	11.85	106	18403	3.75	ug/l	98
69) o-Xylene	12.17	106	5369	1.15	ug/l	98
73) Isopropylbenzene	12.47	105	81486	8.92	ug/l	100
74) N-amyl acetate	12.26	43	18001	10.15	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.70	83	1489	1.07	ug/l #	7
76) 1,2,3-Trichloropropane	12.62	75	64686	65.51	ug/l #	100
78) n-propylbenzene	12.81	91	204673	19.26	ug/l	100
79) 2-Chlorotoluene	12.81	91	204673	34.28	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.95	105	18174	2.36	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	64686	156.60	ug/l #	10

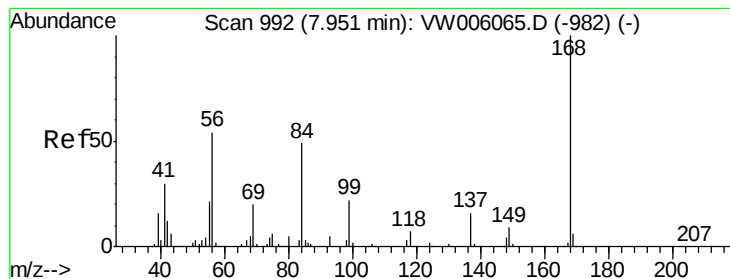
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.11	91	8556	1.37	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.26	105	60238	7.73	ug/l	99
85) sec-Butylbenzene	13.39	105	58749	6.04	ug/l #	57
86) p-Isopropyltoluene	13.66	119	19822	2.25	ug/l	96
89) n-Butylbenzene	13.83	91	62686	7.79	ug/l #	61
90) Hexachloroethane	14.10	117	51180	34.33	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.51	75	548	2.20	ug/l #	7
95) Naphthalene	15.38	128	64437	12.68	ug/l #	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

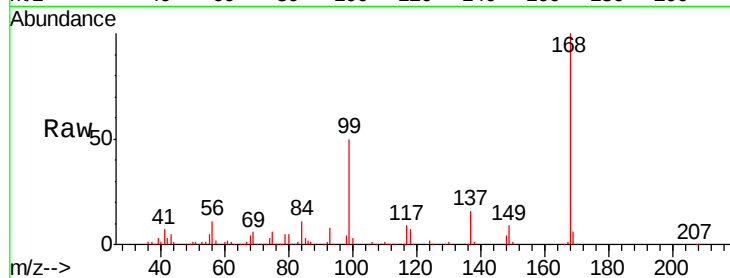
AOC1-02A

Tgt Ion:168 Resp: 279046

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

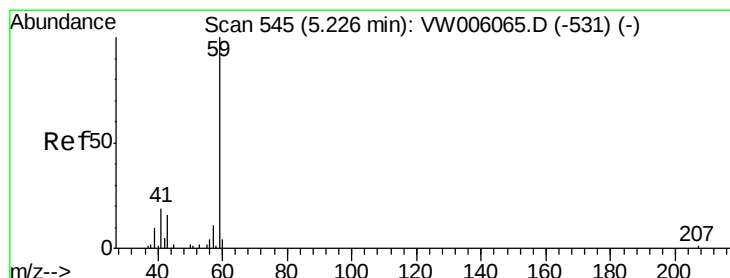
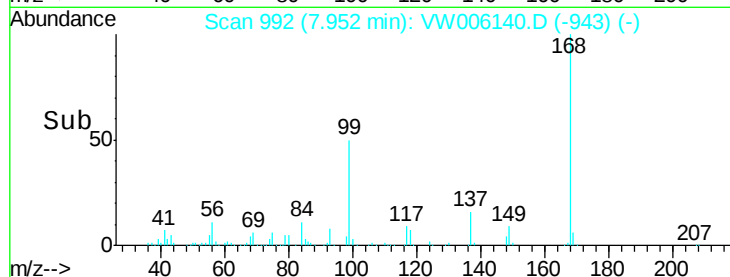
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50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 10.84 ug/l

RT: 5.21 min Scan# 542

Delta R.T. -0.02 min

Lab File: VW006140.D

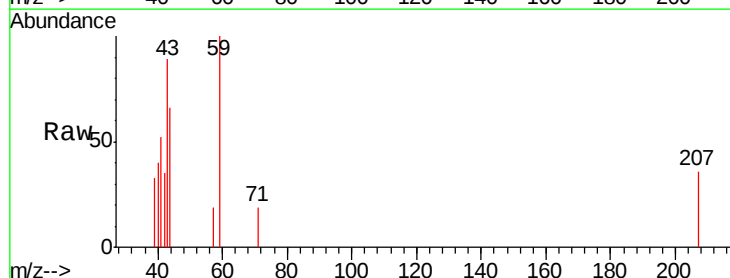
Acq: 17 Oct 2018 21:11

Tgt Ion: 59 Resp: 1686

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

5.21

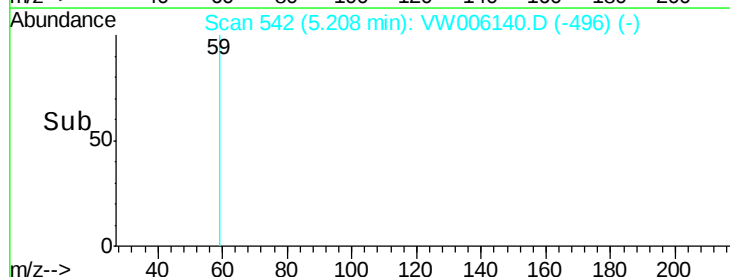
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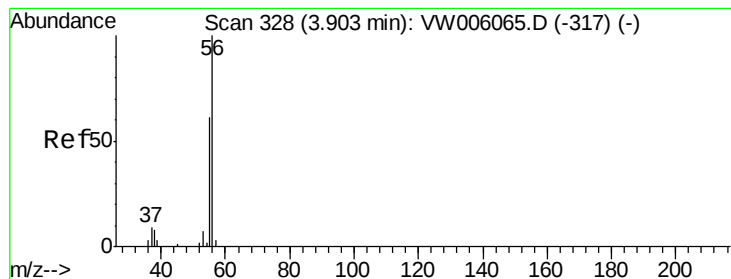
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Time-->

5.10 5.20 5.30





#13

Acrolein

Concen: 2.66 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

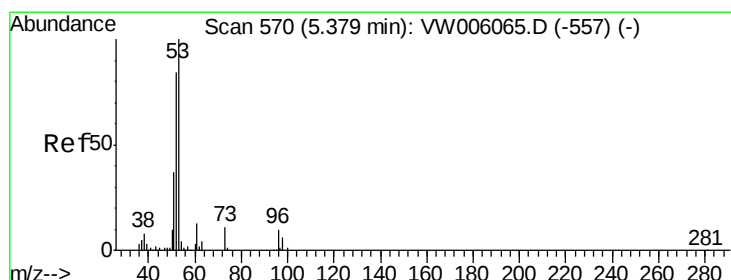
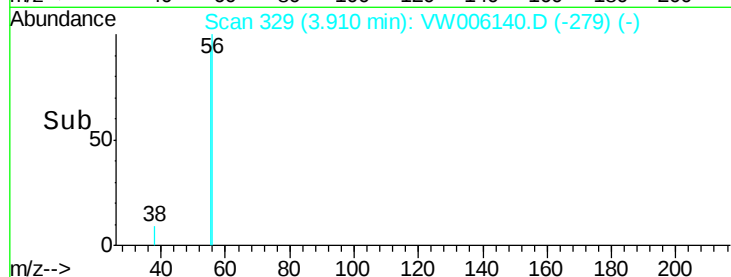
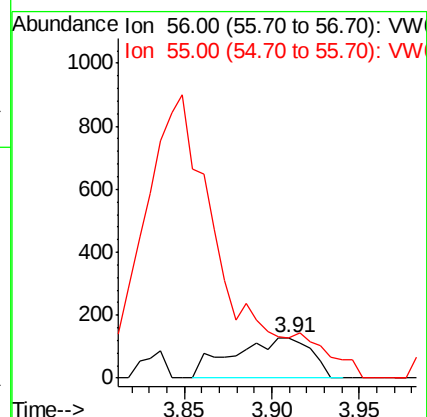
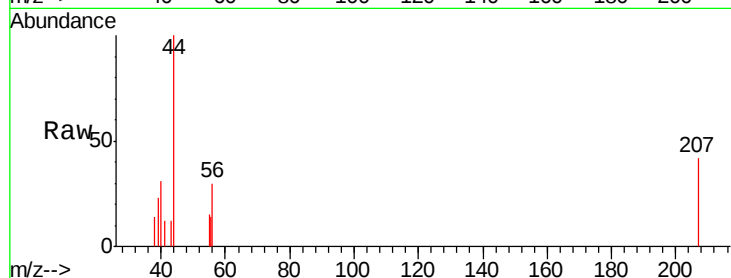
AOC1-02A

Tgt Ion: 56 Resp: 401

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#15

Acrylonitrile

Concen: 4.18 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

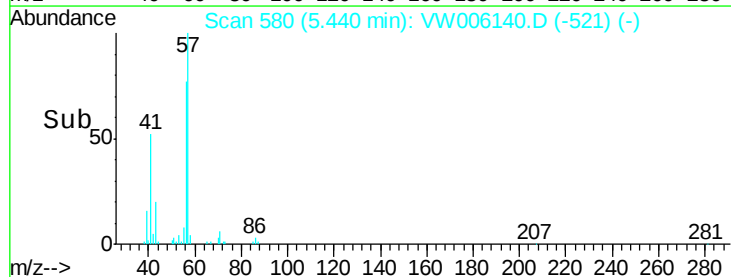
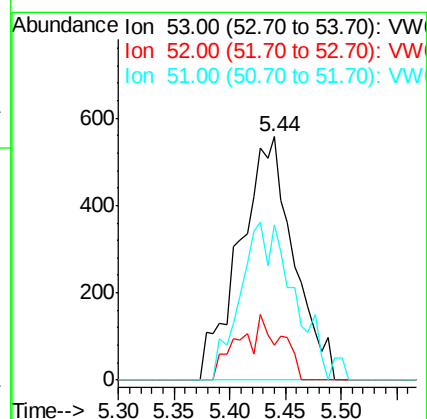
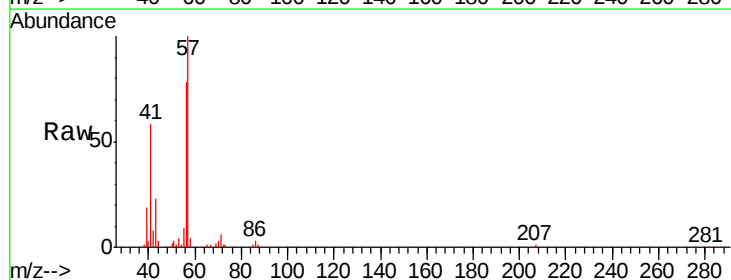
Tgt Ion: 53 Resp: 1884

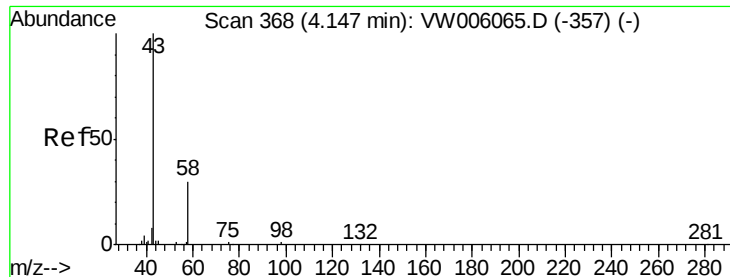
Ion Ratio Lower Upper

53 100

52 20.5 66.9 100.3#

51 62.9 30.1 45.1#





#16

Acetone

Concen: 49.78 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

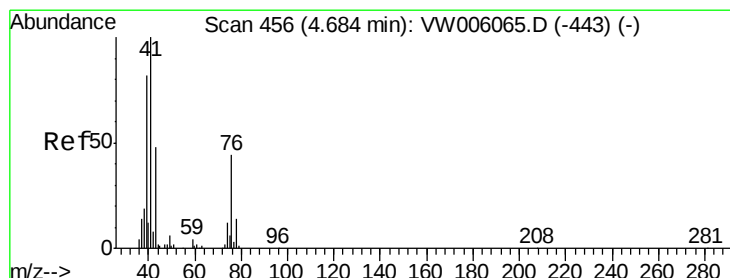
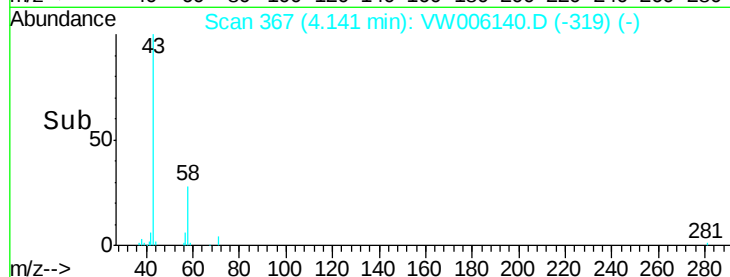
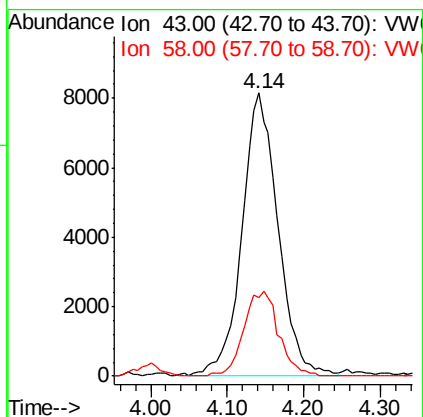
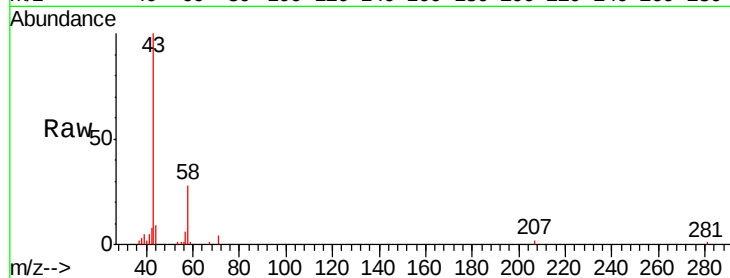
AOC1-02A

Tgt Ion: 43 Resp: 26753

Ion Ratio Lower Upper

43 100

58 27.9 24.0 36.0



#18

Methyl Acetate

Concen: 38.26 ug/l

RT: 4.95 min Scan# 500

Delta R.T. 0.27 min

Lab File: VW006140.D

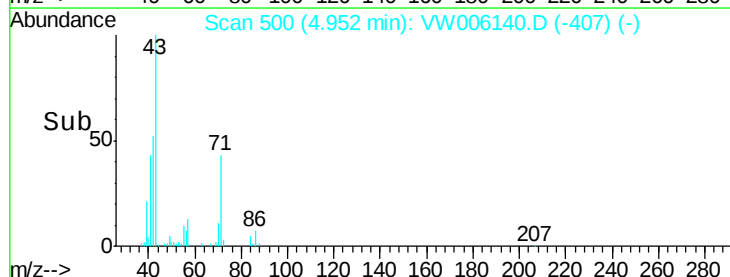
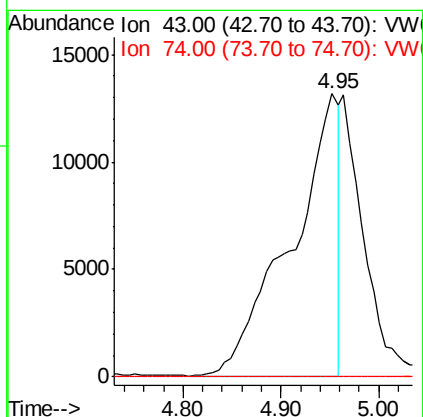
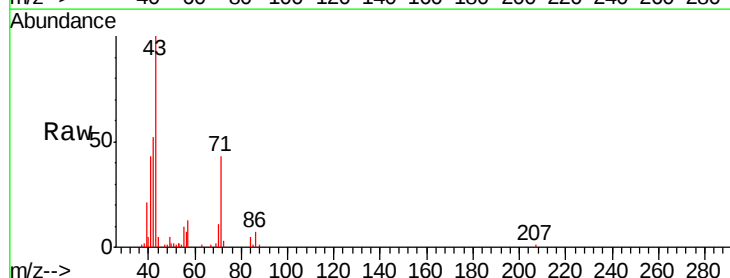
Acq: 17 Oct 2018 21:11

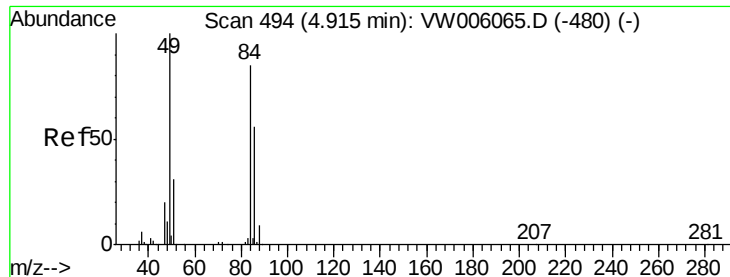
Tgt Ion: 43 Resp: 44549

Ion Ratio Lower Upper

43 100

74 0.0 20.5 30.7#

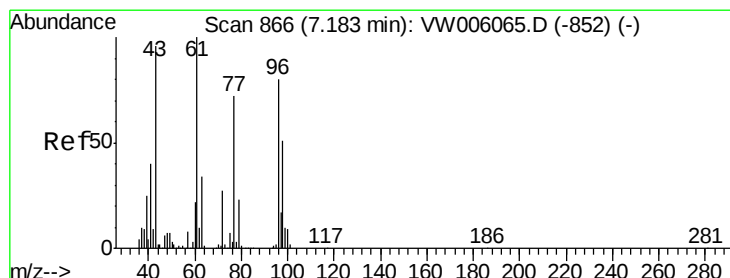
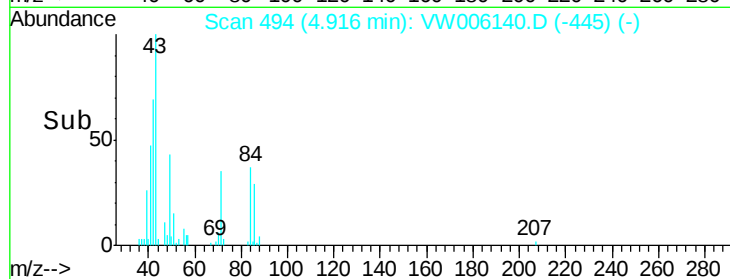
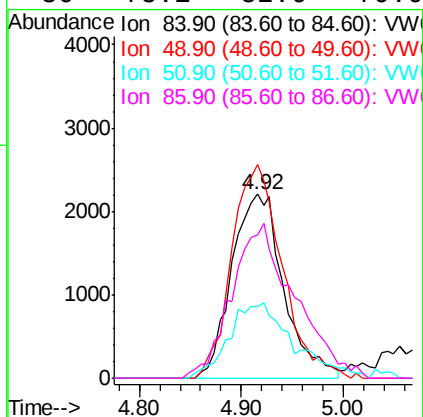
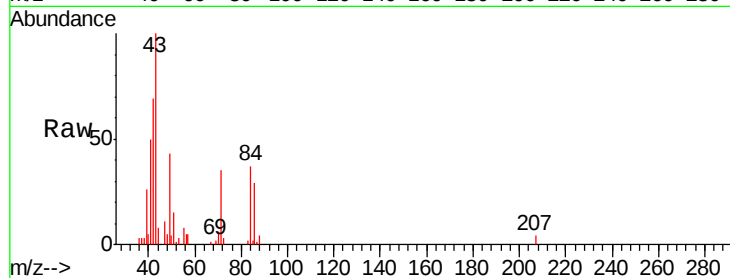




#20
Methylene Chloride
Concen: 1.61 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

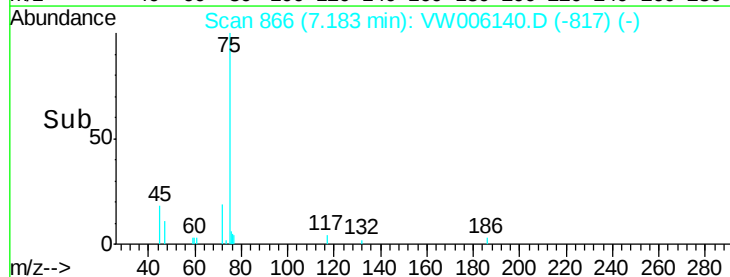
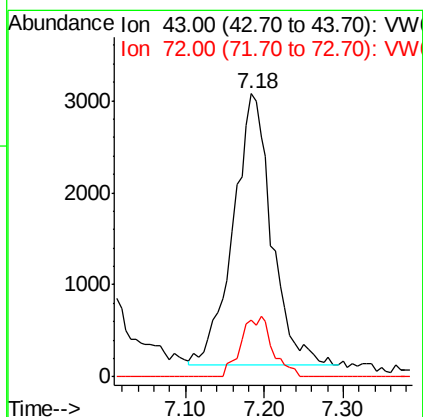
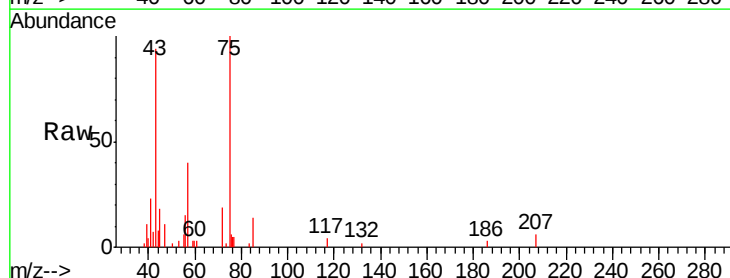
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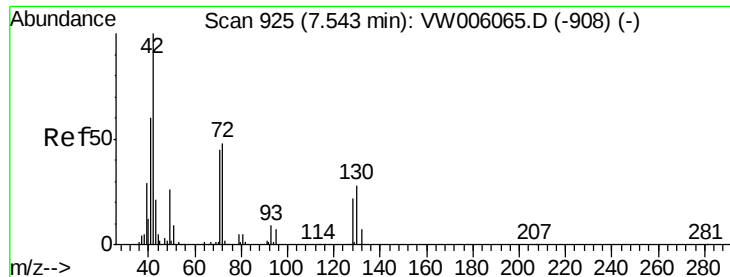
Tgt Ion:	84	Resp:	7794
Ion	Ratio	Lower	Upper
84	100		
49	116.2	93.6	140.4
51	39.1	29.0	43.4
86	75.1	52.6	79.0



#25
2-Butanone
Concen: 16.07 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion:	43	Resp:	10046
Ion	Ratio	Lower	Upper
43	100		
72	20.8	22.8	34.2#

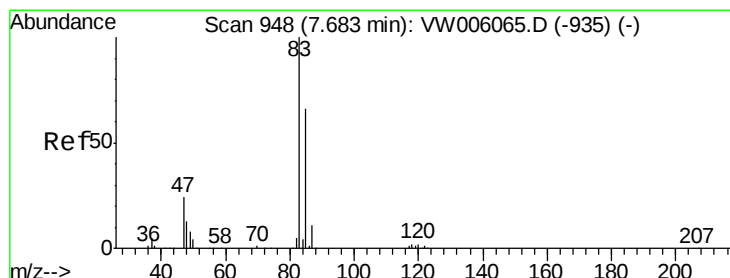
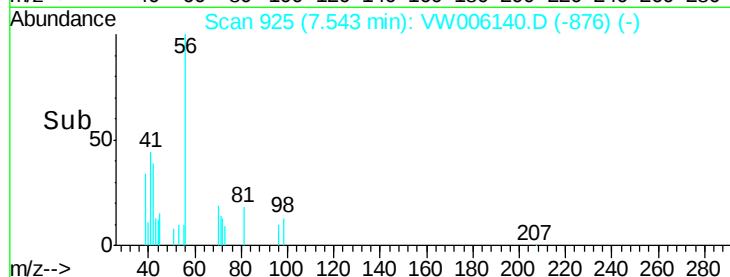
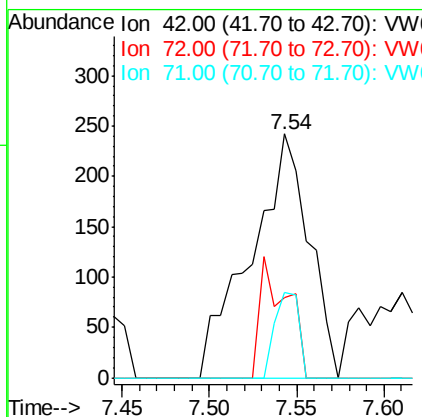
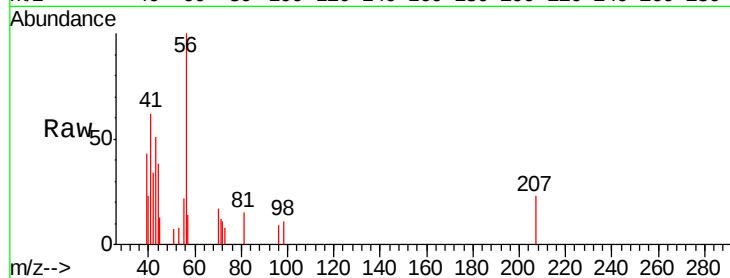




#29
Tetrahydrofuran
Concen: 1.47 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

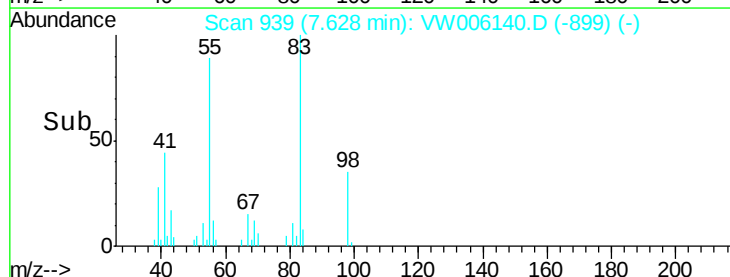
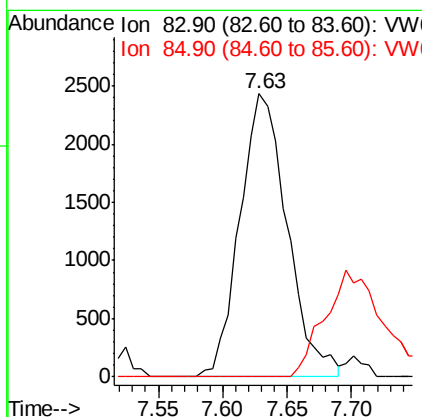
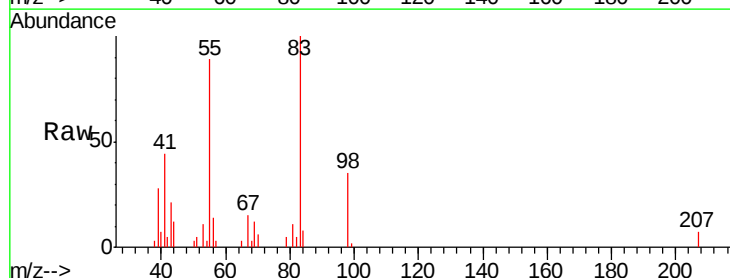
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

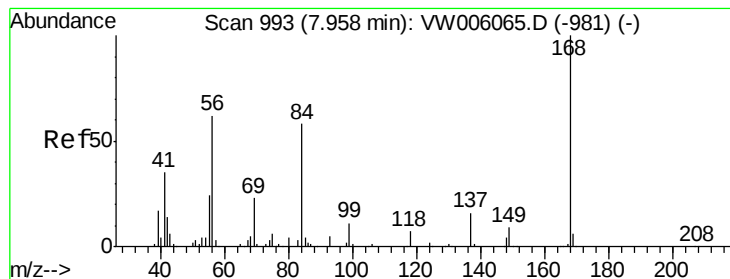
Tgt Ion: 42 Resp: 563
Ion Ratio Lower Upper
42 100
72 22.9 38.0 57.0#
71 0.0 35.3 52.9#



#30
Chloroform
Concen: 1.34 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 83 Resp: 6204
Ion Ratio Lower Upper
83 100
85 0.0 52.6 79.0#





#31

Cyclohexane

Concen: 11.64 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

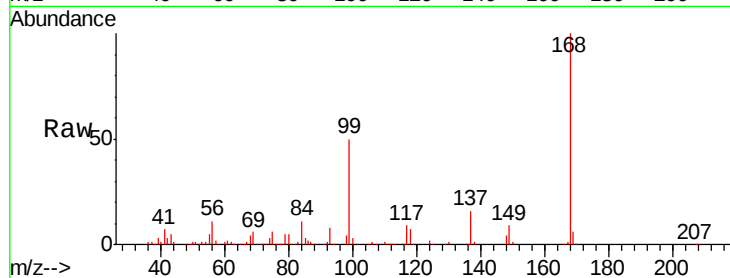
Tgt Ion: 56 Resp: 49295

Ion Ratio Lower Upper

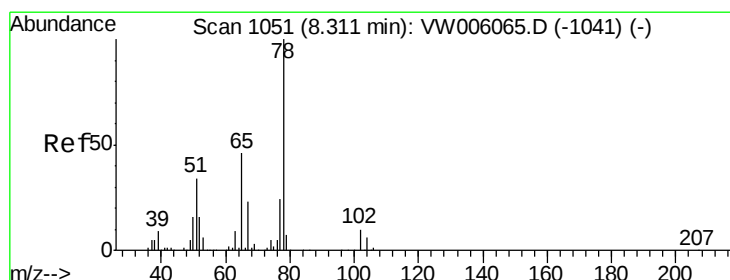
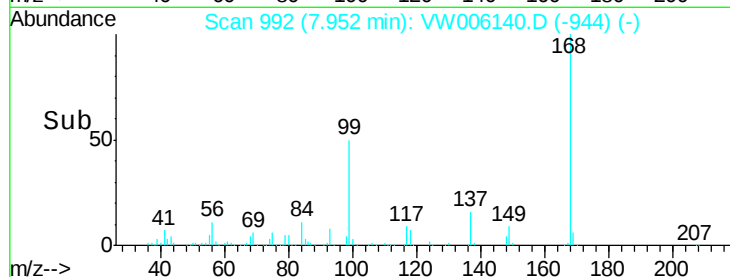
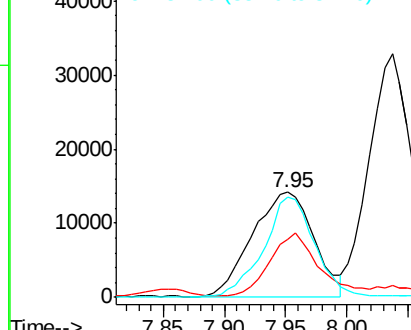
56 100

69 51.3 29.4 44.0#

84 96.8 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: 51.86 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006140.D

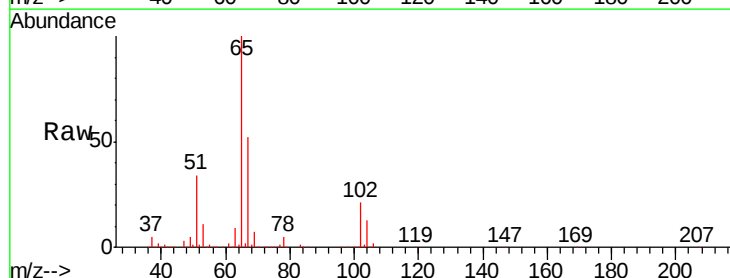
Acq: 17 Oct 2018 21:11

Tgt Ion: 65 Resp: 119967

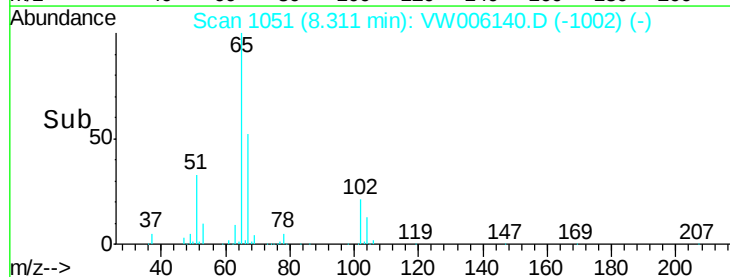
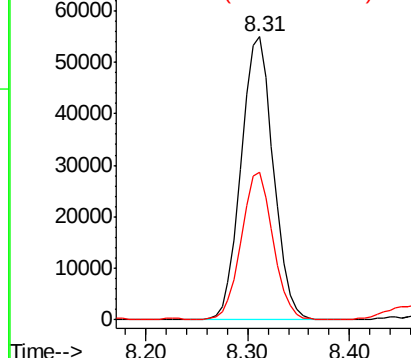
Ion Ratio Lower Upper

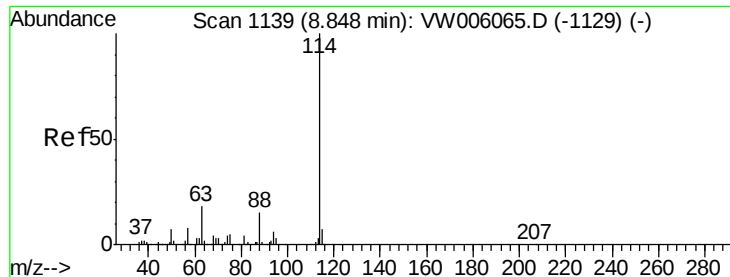
65 100

67 52.0 0.0 101.0



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

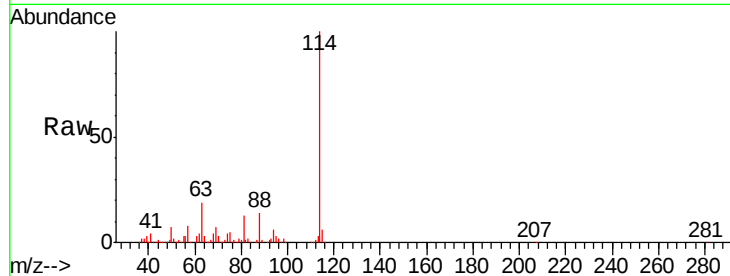




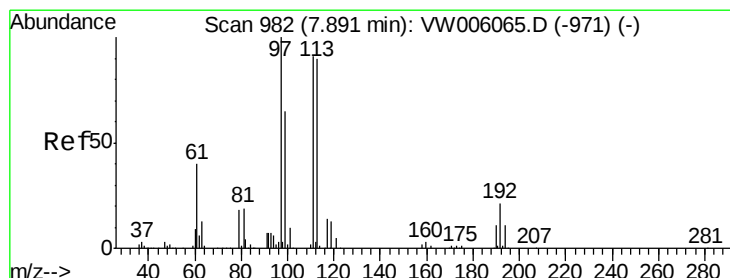
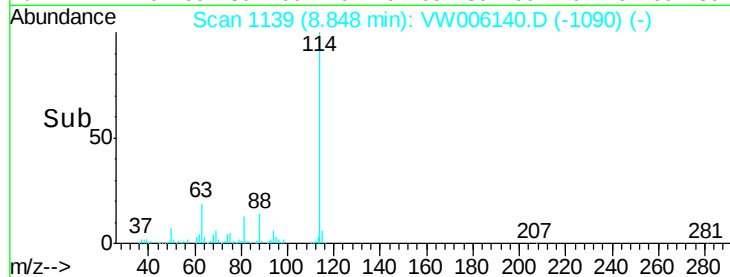
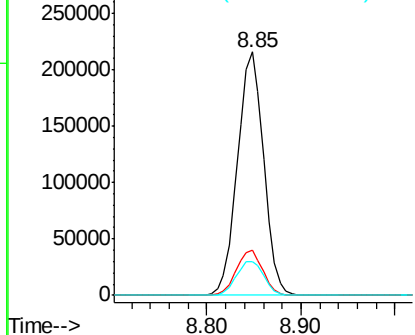
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-02A

Tgt Ion:114 Resp: 418141
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 14.1 0.0 29.0

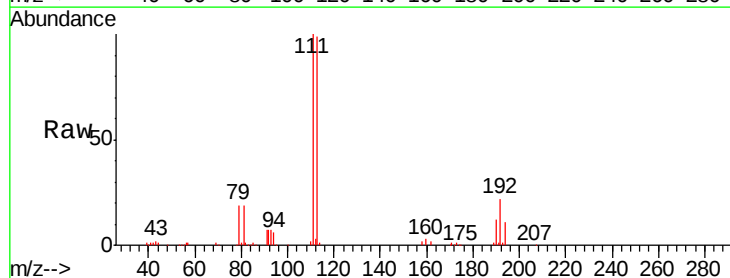


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

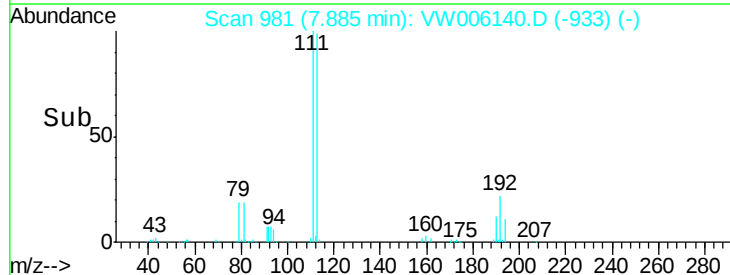
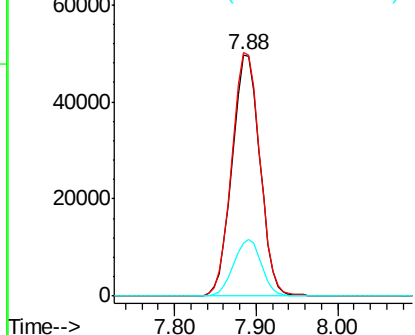


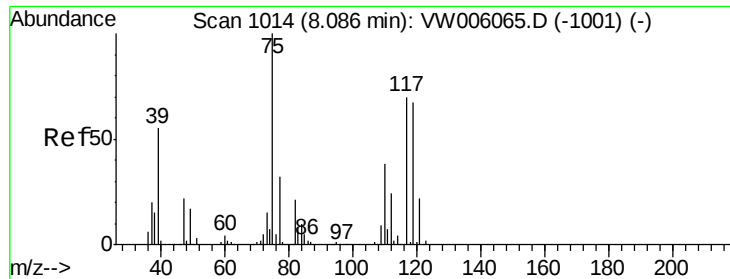
#35
 Dibromofluoromethane
 Concen: 47.34 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

Tgt Ion:113 Resp: 116967
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 23.2 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

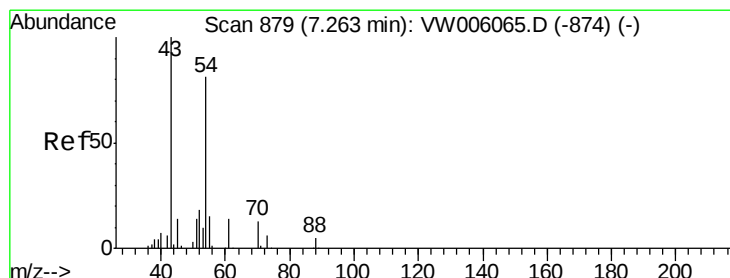
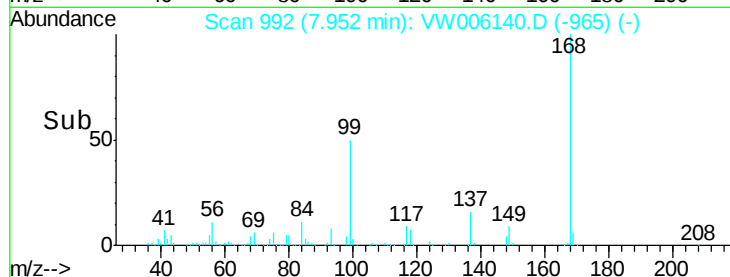
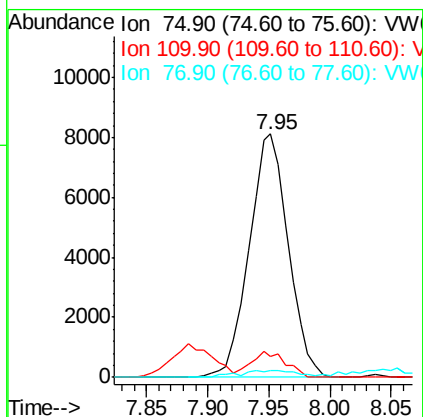
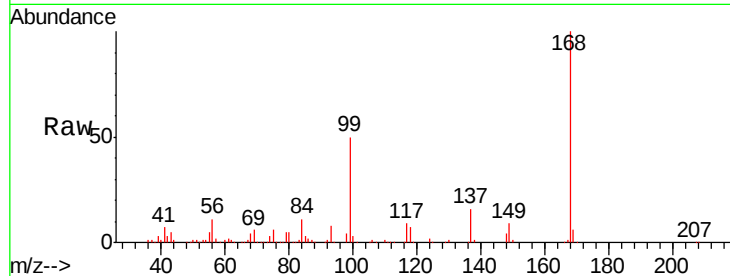




#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

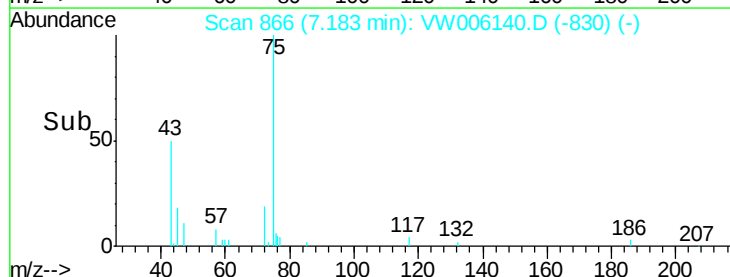
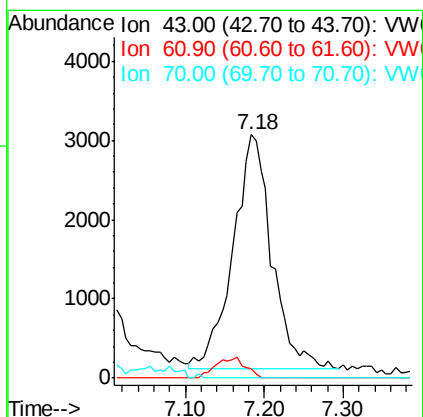
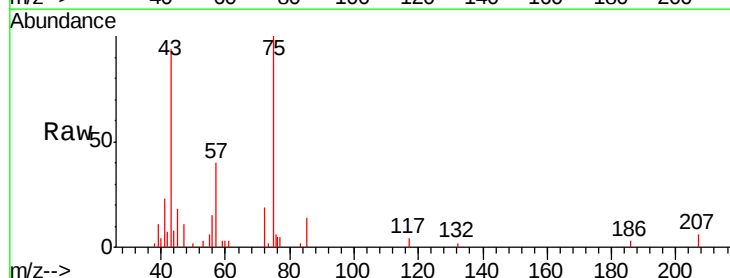
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-02A

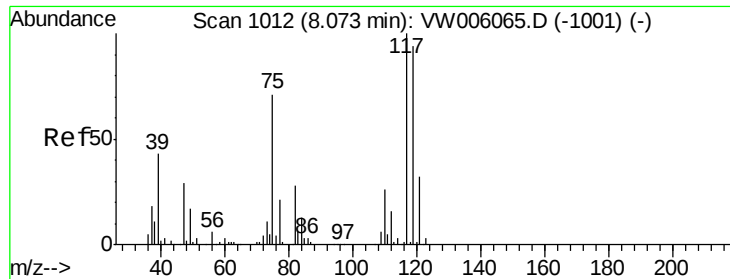
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.1#
77	2.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 7.02 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.08 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.7	11.5	17.3#
70	0.0	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 5.97 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

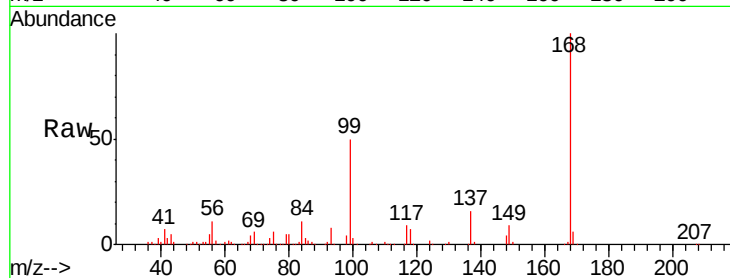
Tgt Ion:117 Resp: 25223

Ion Ratio Lower Upper

117 100

119 4.1 75.2 112.8#

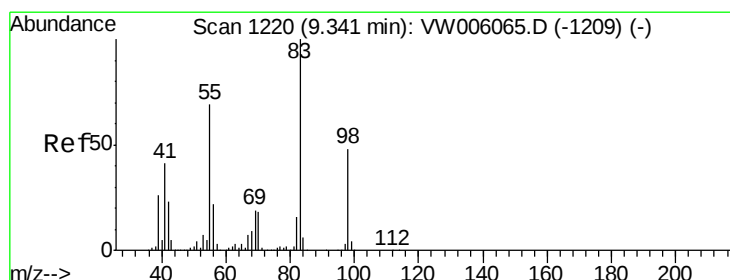
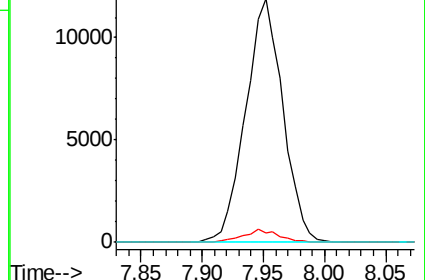
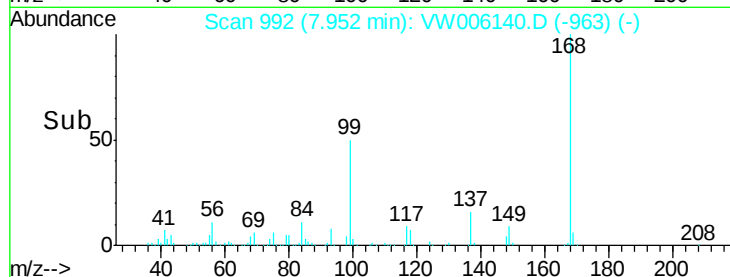
121 0.0 25.3 37.9#



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: 27.02 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

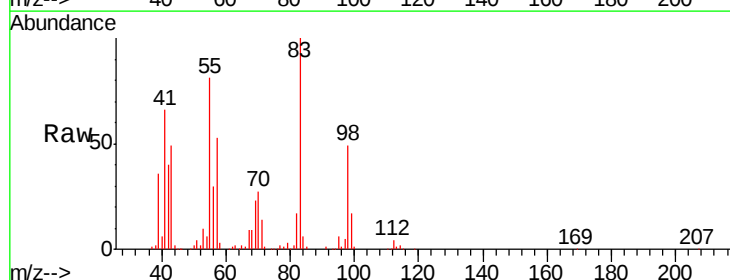
Tgt Ion: 83 Resp: 138437

Ion Ratio Lower Upper

83 100

55 80.4 55.0 82.6

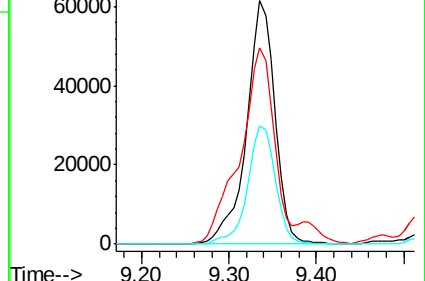
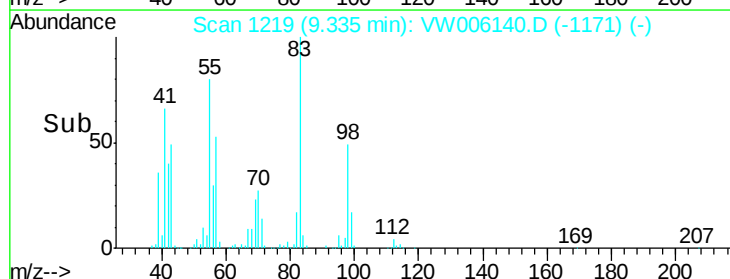
98 48.8 38.6 57.8

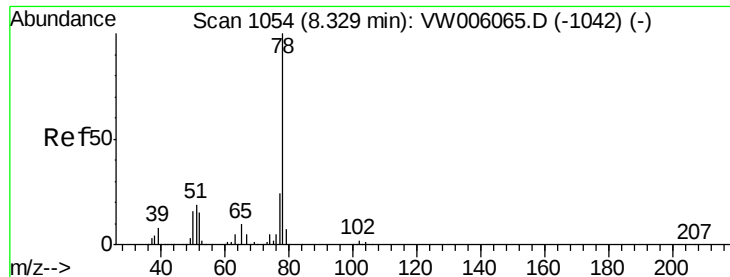


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.15 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

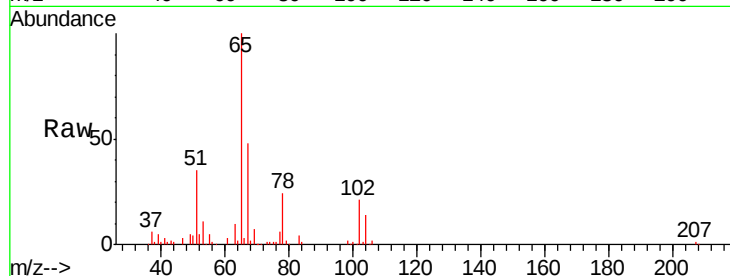
AOC1-02A

Tgt Ion: 78 Resp: 12142

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.33

6000

5000

4000

3000

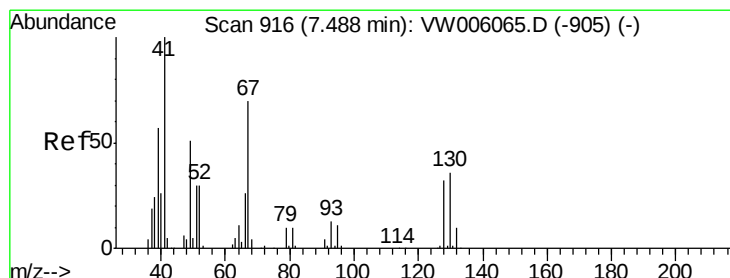
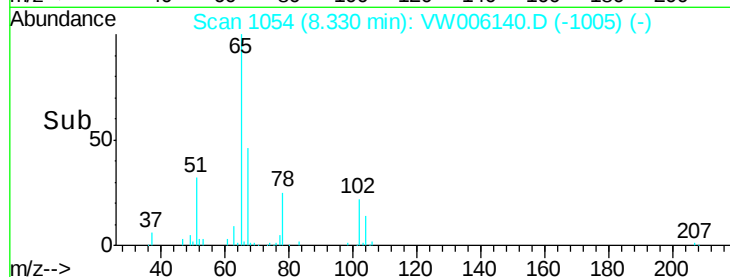
2000

1000

0

8.25 8.30 8.35 8.40

Time-->



#41

Methacrylonitrile

Concen: 1.55 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.04 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Tgt Ion: 41 Resp: 1340

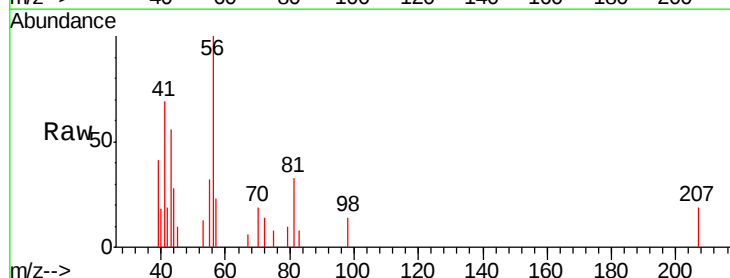
Ion Ratio Lower Upper

41 100

39 89.7 46.2 69.4#

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

1500

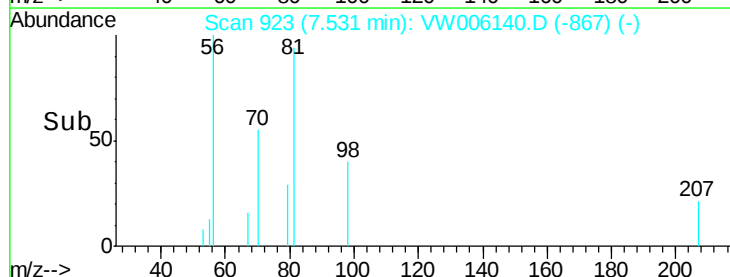
1000

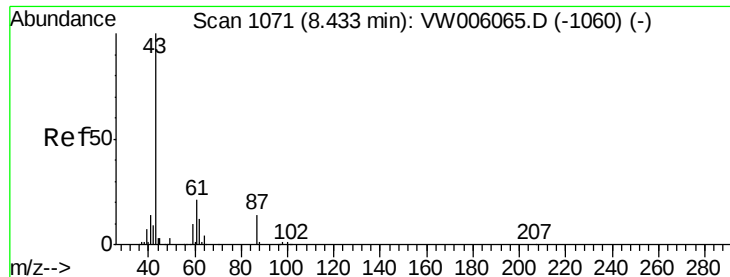
500

0

7.45 7.50 7.55 7.60

Time-->





#43

Isopropyl Acetate

Concen: 5.68 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

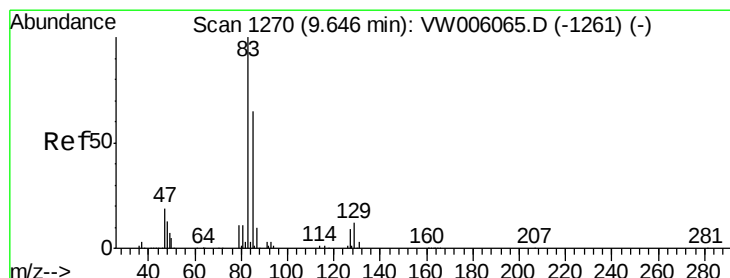
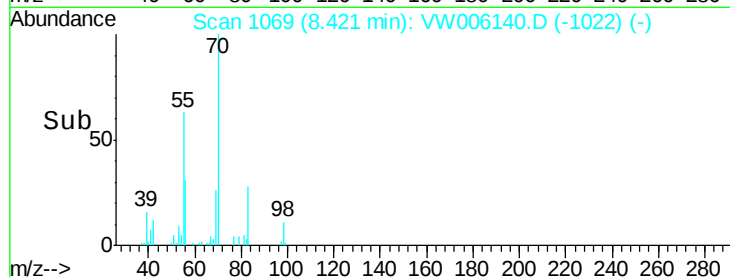
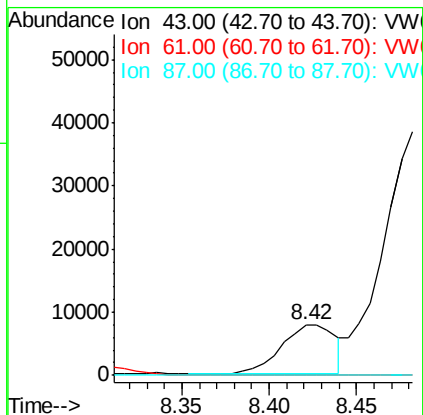
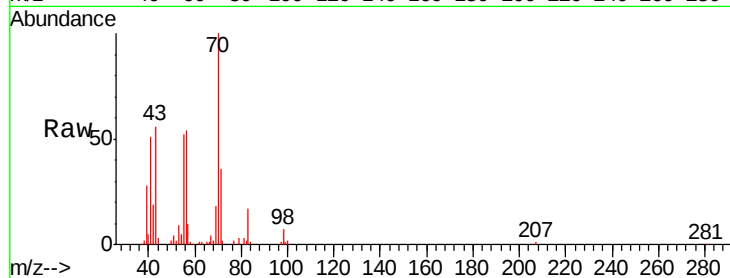
Tgt Ion: 43 Resp: 16633

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 0.0 11.7 17.5#



#47

Bromodichloromethane

Concen: 3.29 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

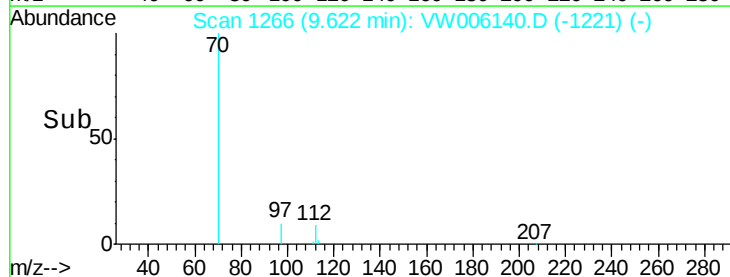
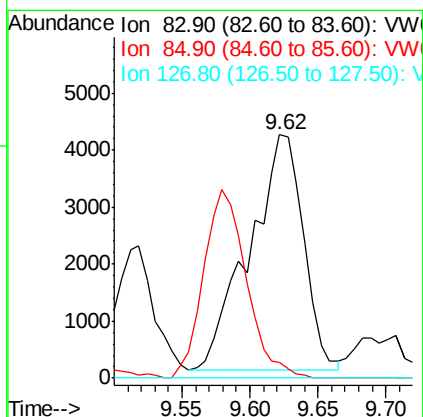
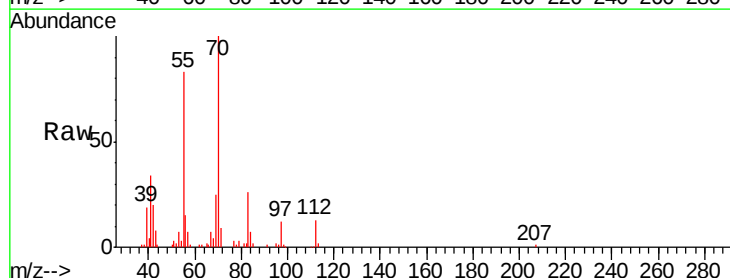
Tgt Ion: 83 Resp: 11517

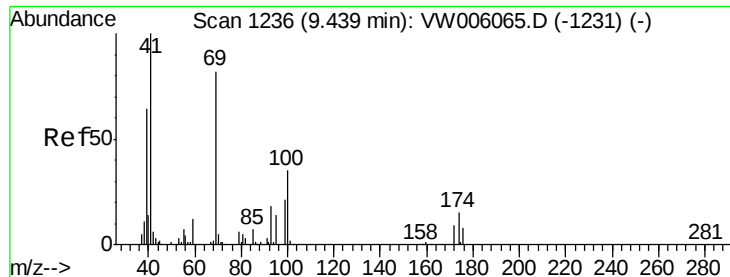
Ion Ratio Lower Upper

83 100

85 6.7 51.8 77.8#

127 0.0 6.9 10.3#

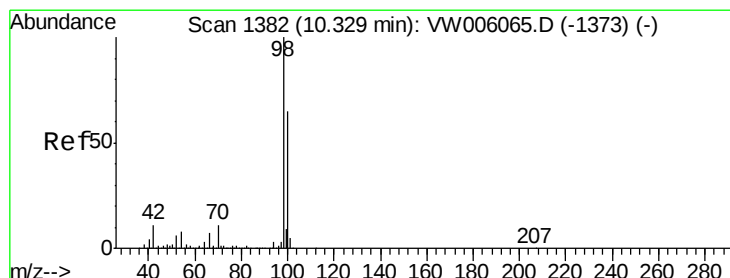
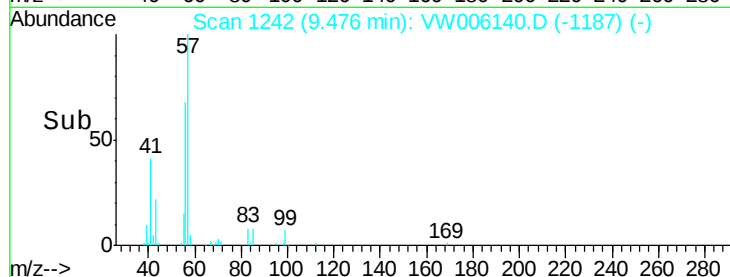
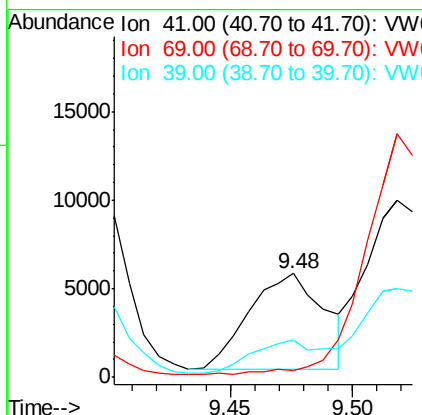
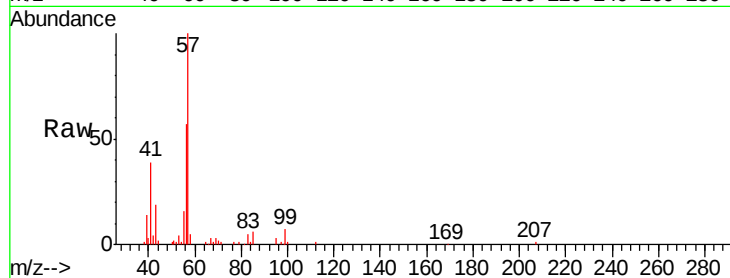




#48
Methyl methacrylate
Concen: 8.30 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.04 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

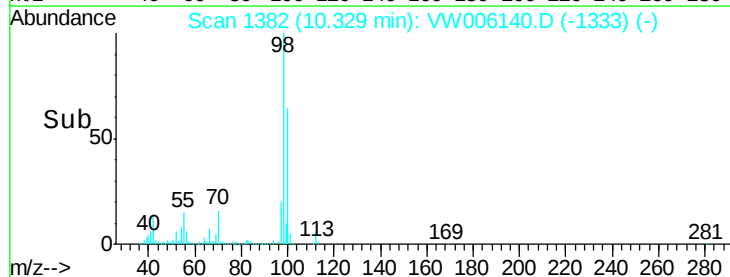
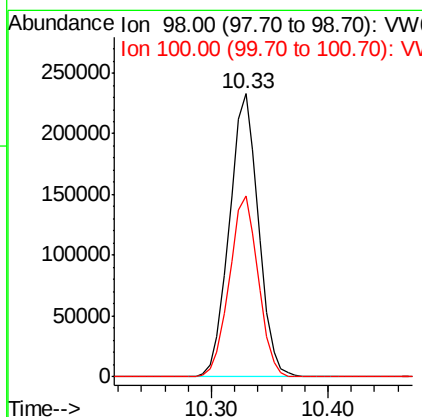
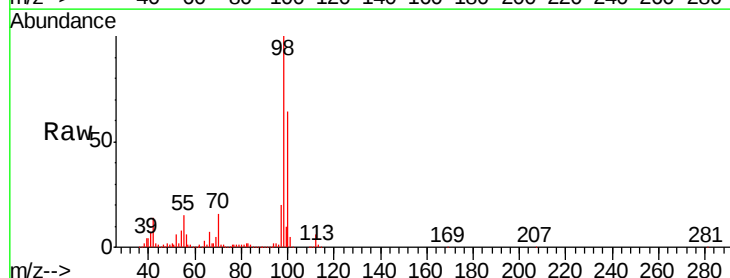
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

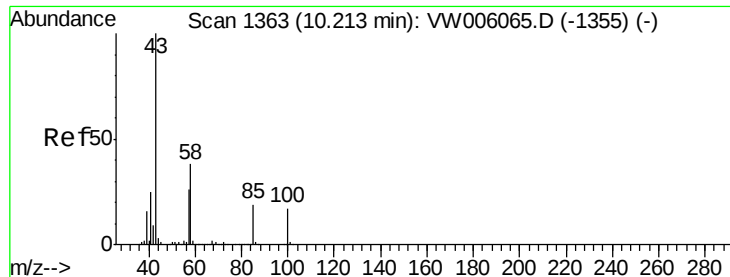
Tgt Ion: 41 Resp: 11512
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 35.1 52.5 78.7#



#50
Toluene-d8
Concen: 43.10 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 98 Resp: 405098
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 6.65 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampled :

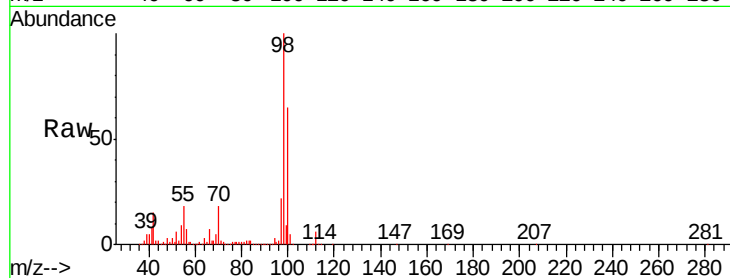
AOC1-02A

Tgt Ion: 43 Resp: 9757

Ion Ratio Lower Upper

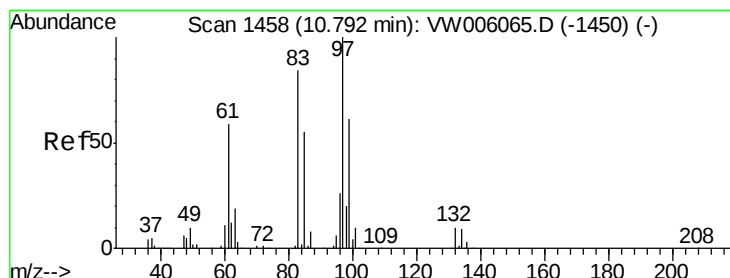
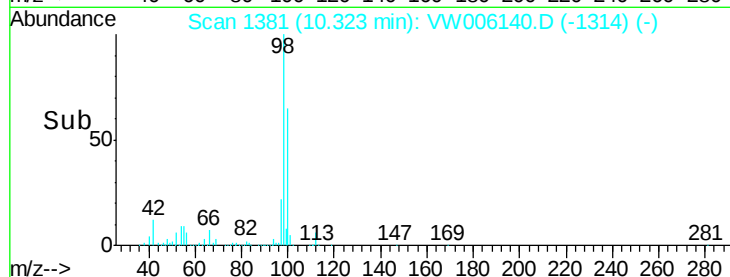
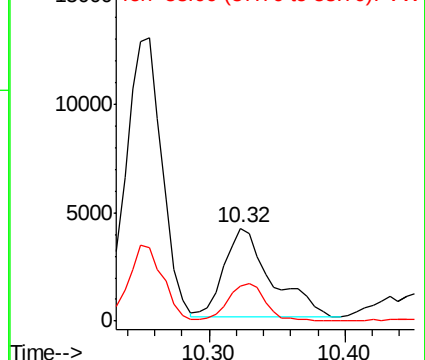
43 100

58 34.0 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#55

1,1,2-Trichloroethane

Concen: 26.45 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Tgt Ion: 97 Resp: 53360

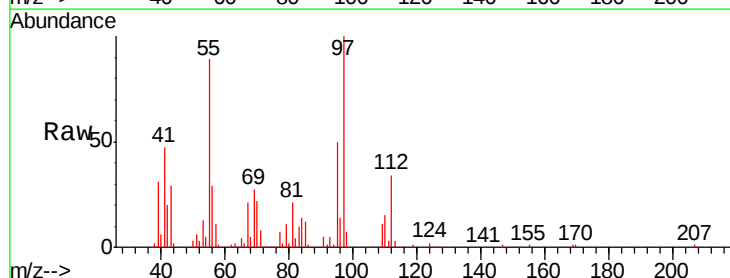
Ion Ratio Lower Upper

97 100

83 9.4 67.2 100.8#

85 11.7 43.7 65.5#

99 0.3 48.5 72.7#

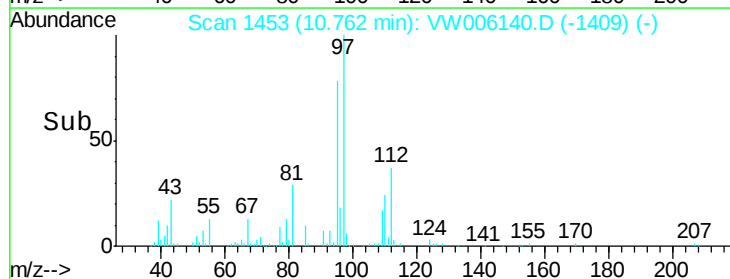
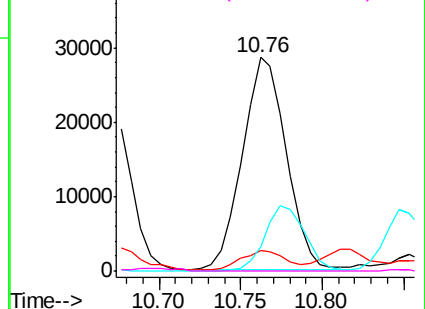


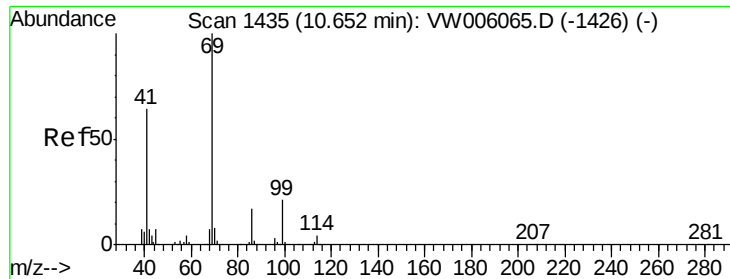
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 4.74 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

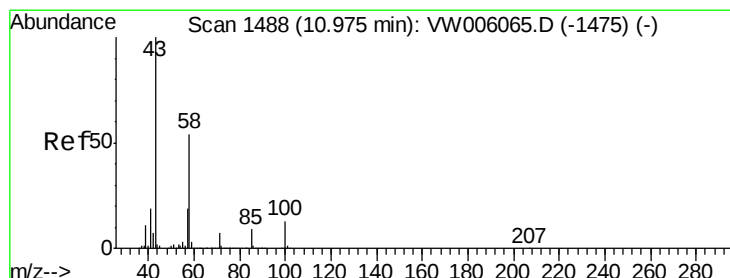
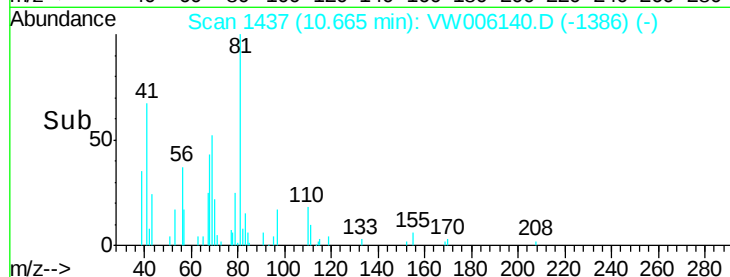
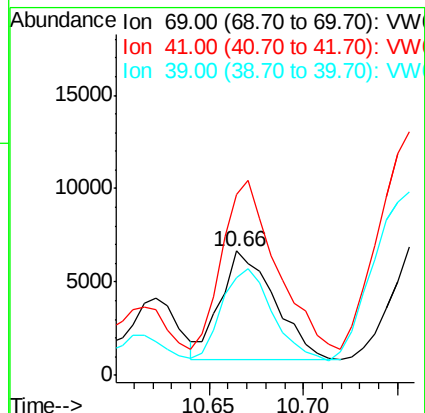
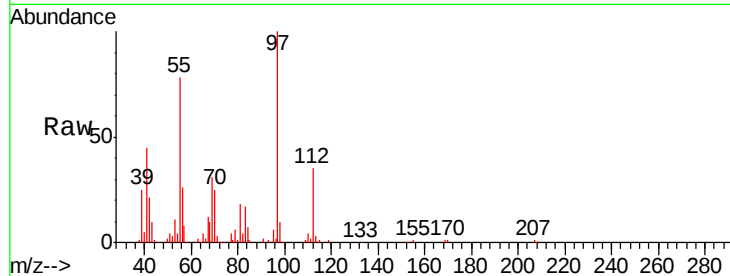
Tgt Ion: 69 Resp: 11723

Ion Ratio Lower Upper

69 100

41 178.4 52.8 79.2#

39 82.8 30.6 45.8#



#59

2-Hexanone

Concen: 27.16 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.04 min

Lab File: VW006140.D

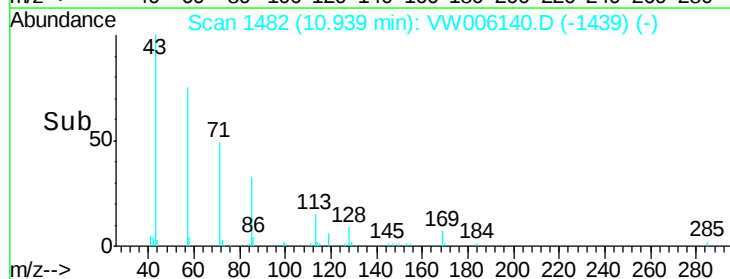
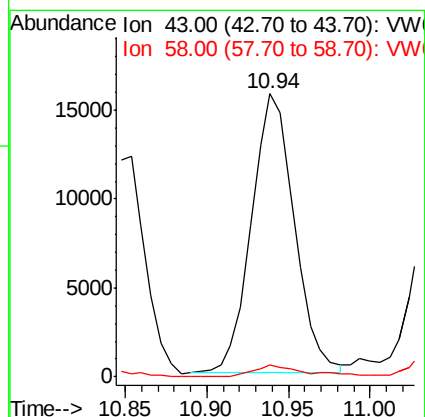
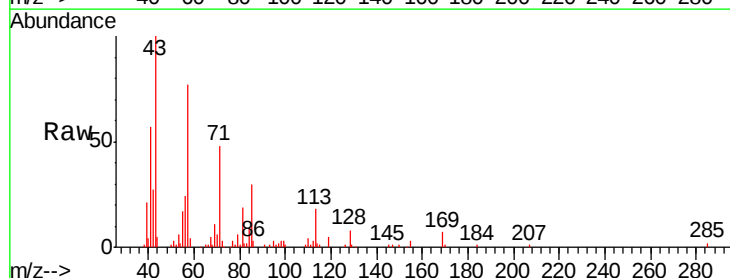
Acq: 17 Oct 2018 21:11

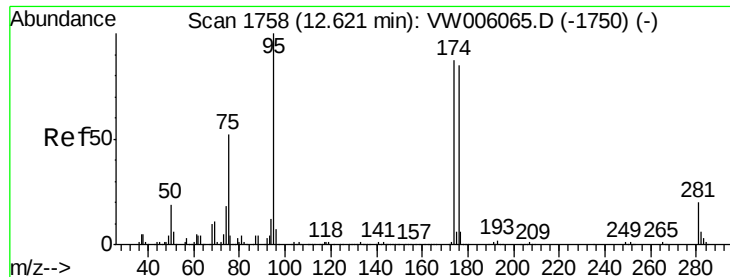
Tgt Ion: 43 Resp: 28437

Ion Ratio Lower Upper

43 100

58 5.6 26.9 80.6#

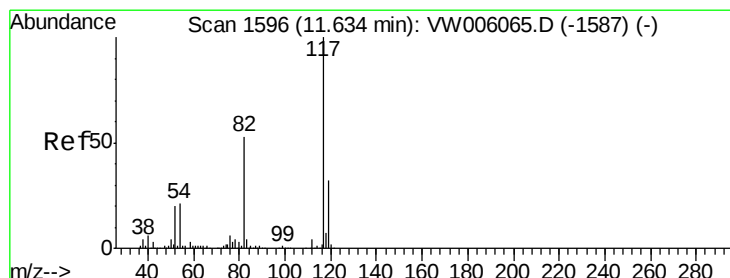
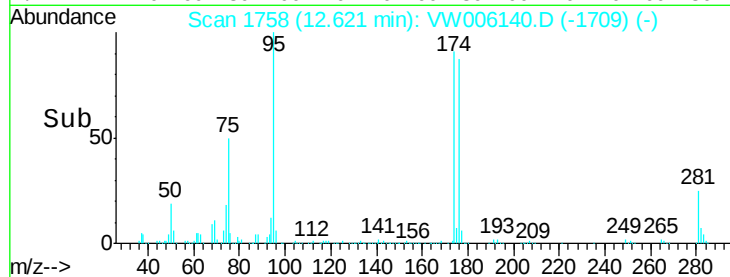
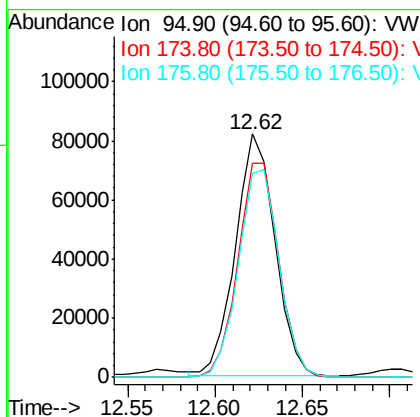
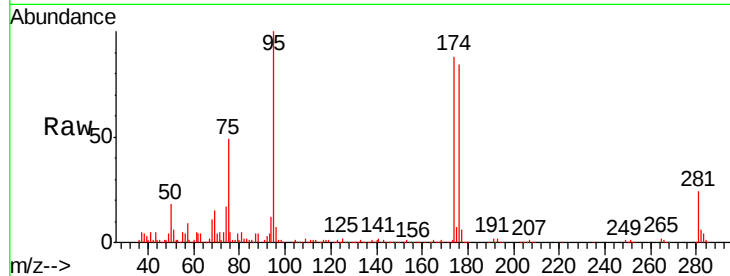




#62
4-Bromofluorobenzene
Concen: 36.29 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

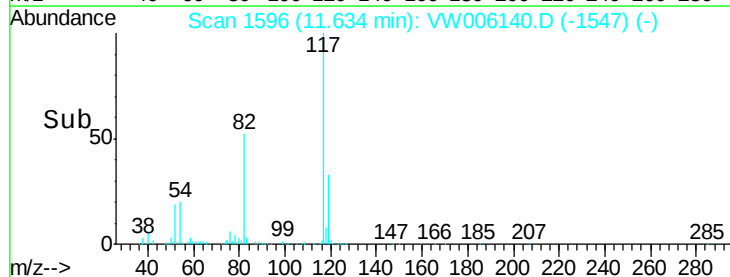
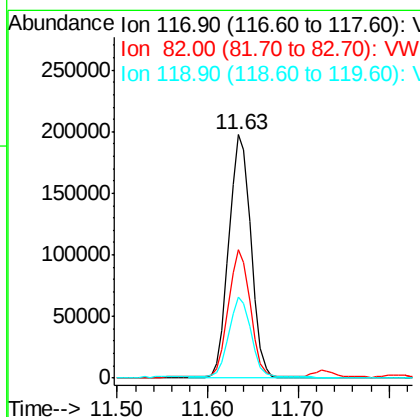
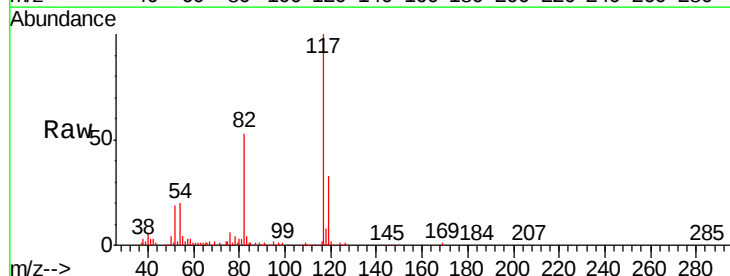
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

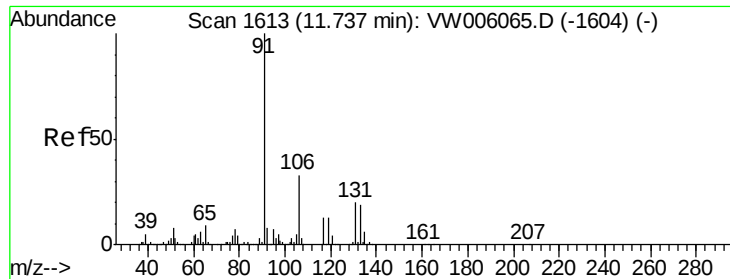
Tgt Ion: 95 Resp: 128111
Ion Ratio Lower Upper
95 100
174 92.3 0.0 186.0
176 89.3 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 117 Resp: 334227
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 32.8 25.8 38.6

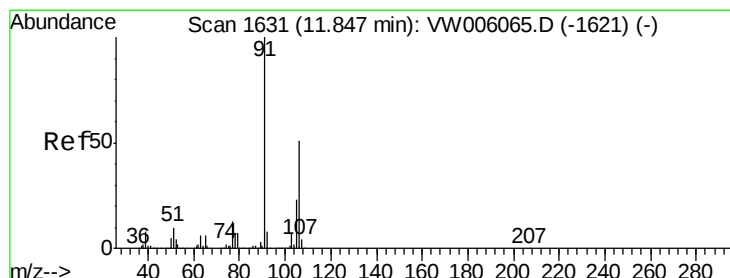
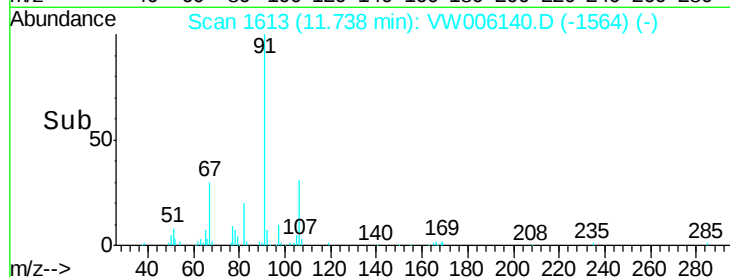
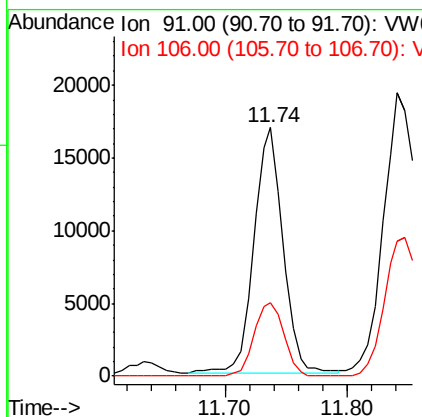
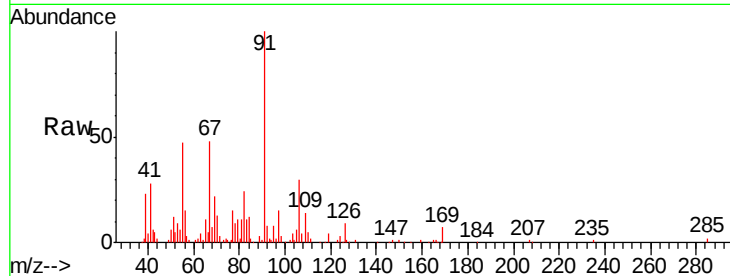




#67
Ethyl Benzene
Concen: 2.27 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

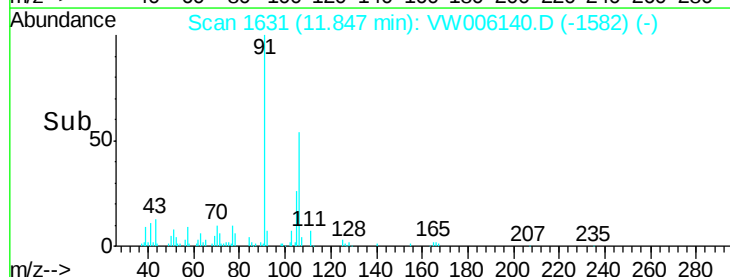
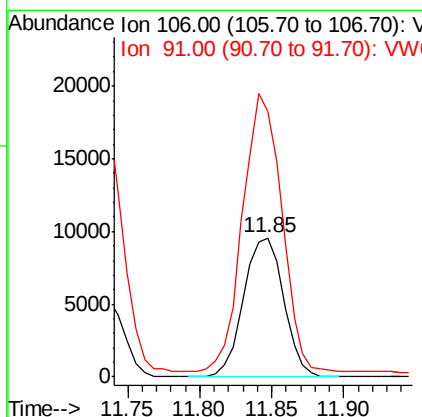
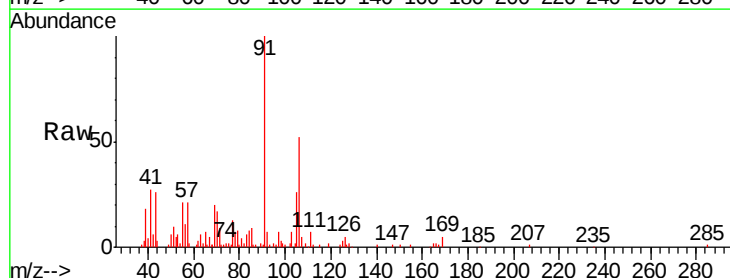
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

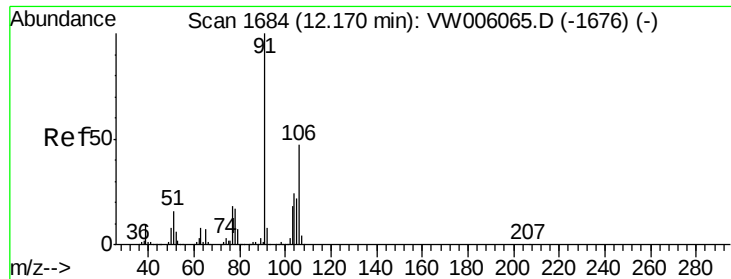
Tgt Ion: 91 Resp: 28111
Ion Ratio Lower Upper
91 100
106 30.1 26.1 39.1



#68
m/p-Xylenes
Concen: 3.75 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 106 Resp: 18403
Ion Ratio Lower Upper
106 100
91 196.3 159.1 238.7

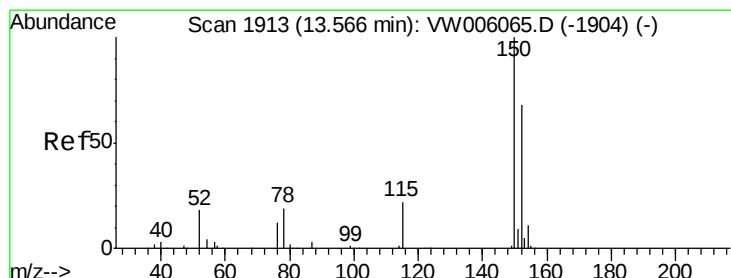
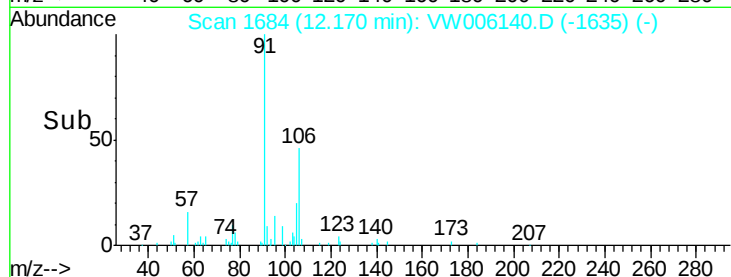
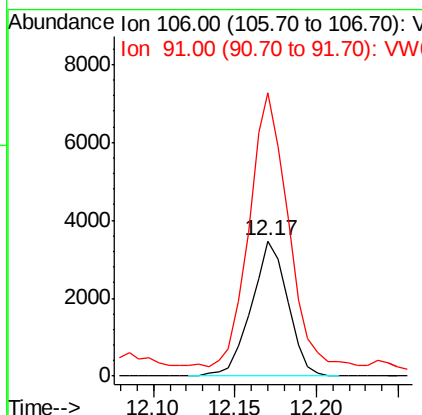
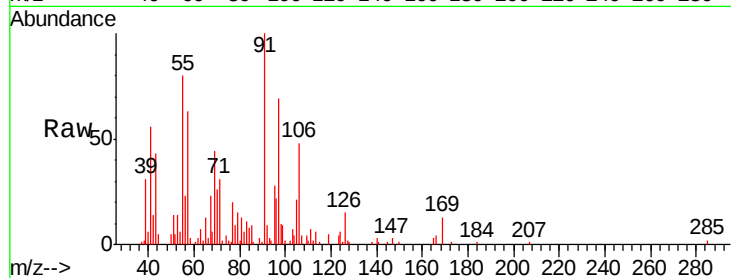




#69
o-Xylene
Concen: 1.15 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

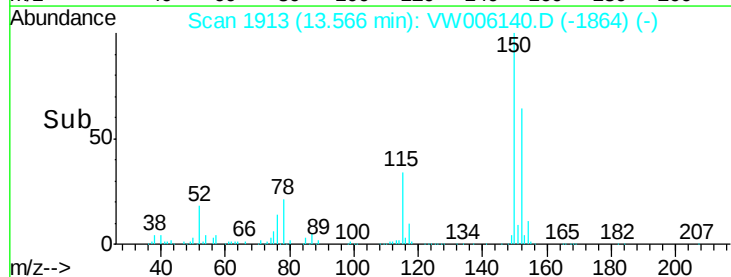
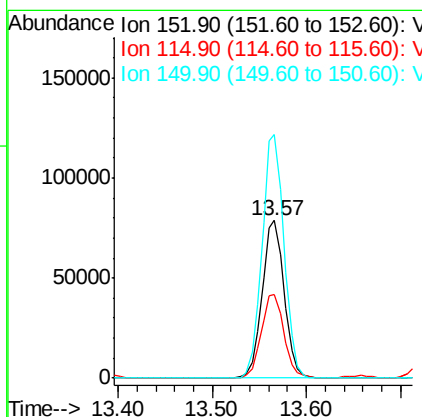
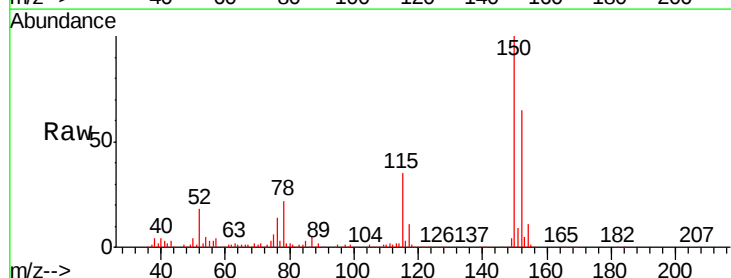
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

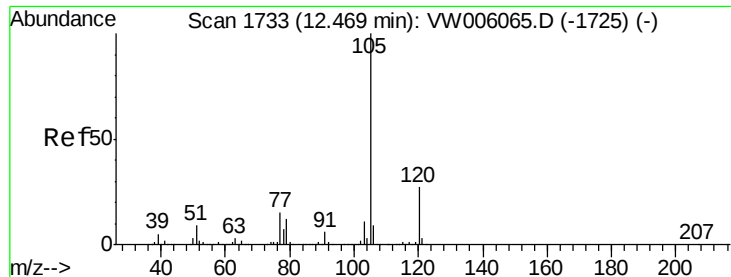
Tgt Ion:106 Resp: 5369
Ion Ratio Lower Upper
106 100
91 213.8 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion:152 Resp: 129273
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.3
150 154.8 0.0 349.2





#73

Isopropylbenzene

Concen: 8.92 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

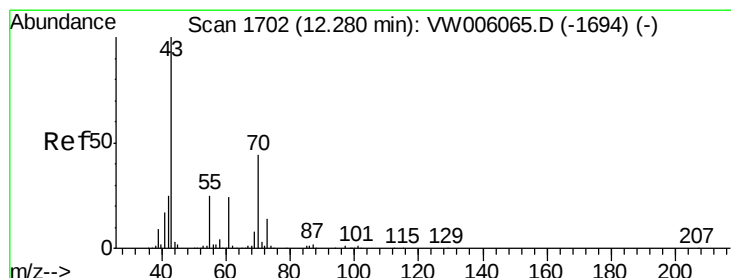
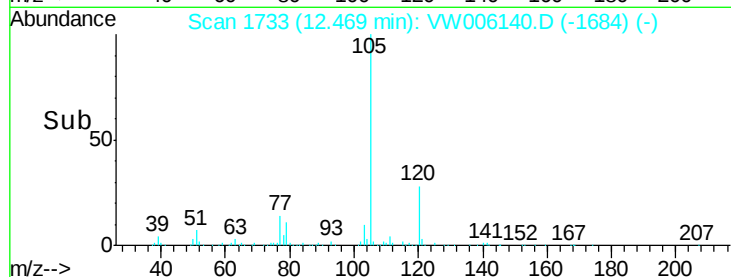
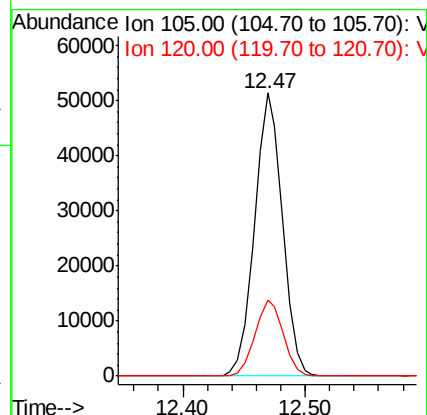
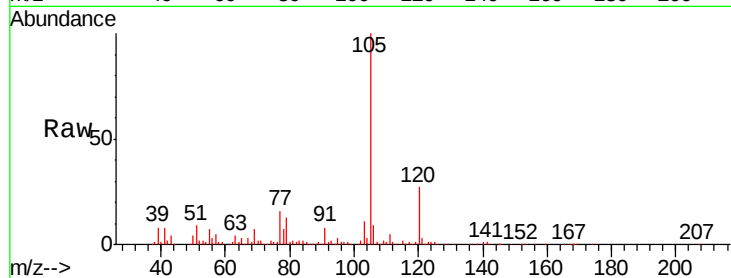
AOC1-02A

Tgt Ion:105 Resp: 81486

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 10.15 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Tgt Ion: 43 Resp: 18001

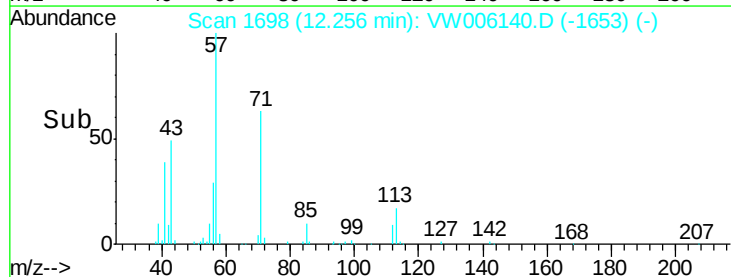
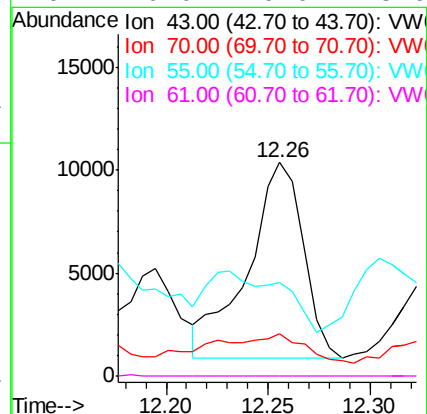
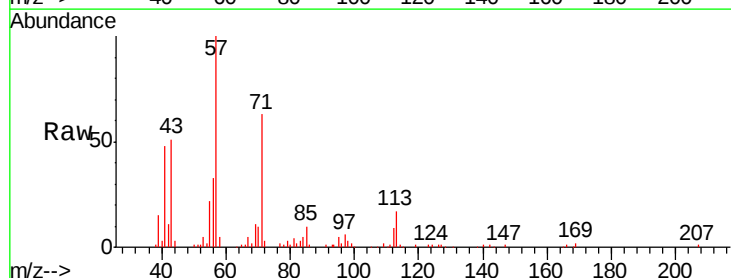
Ion Ratio Lower Upper

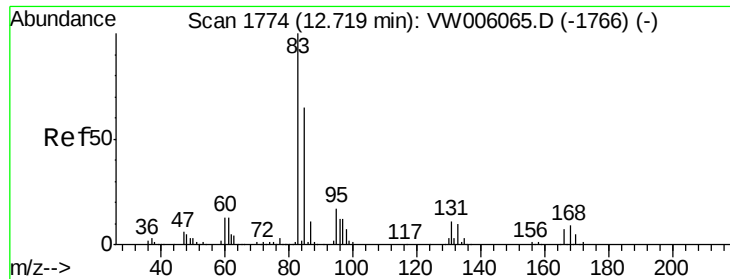
43 100

70 12.5 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: 1.07 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

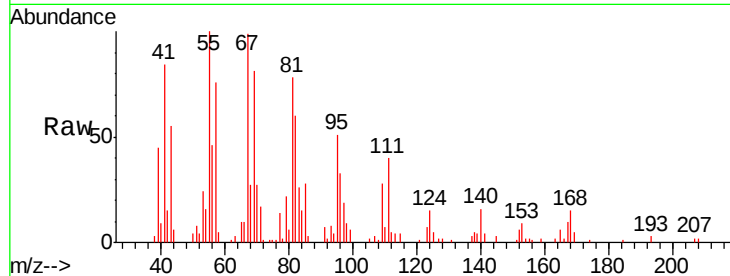
Tgt Ion: 83 Resp: 1489

Ion Ratio Lower Upper

83 100

131 7.9 5.9 17.7

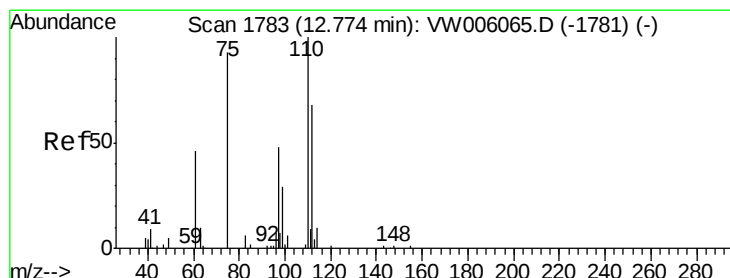
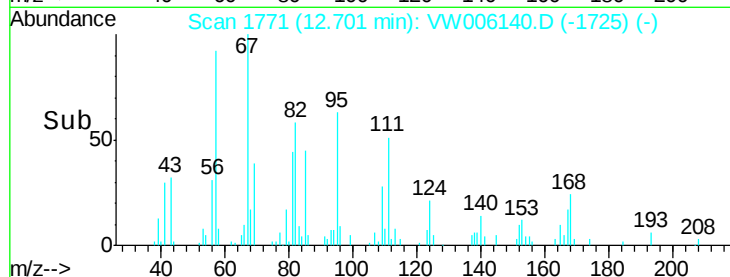
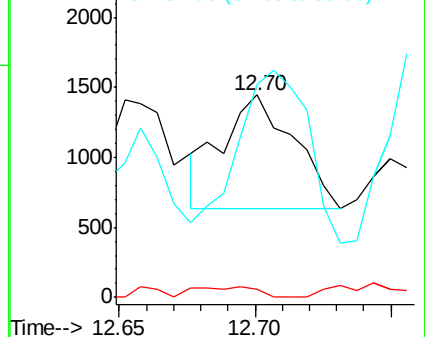
85 148.8 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 65.51 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006140.D

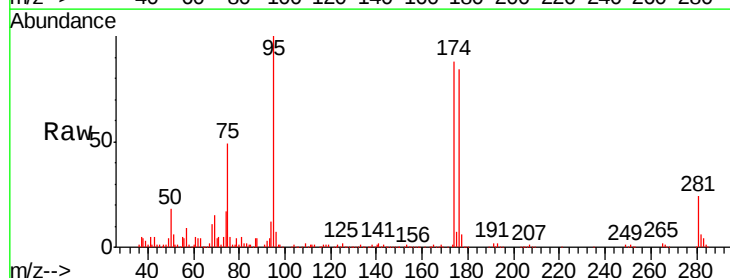
Acq: 17 Oct 2018 21:11

Tgt Ion: 75 Resp: 64686

Ion Ratio Lower Upper

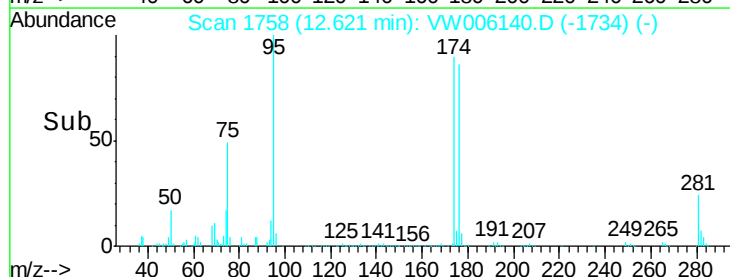
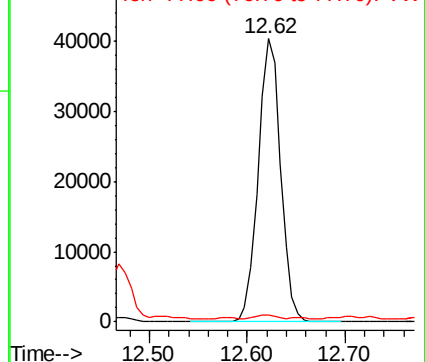
75 100

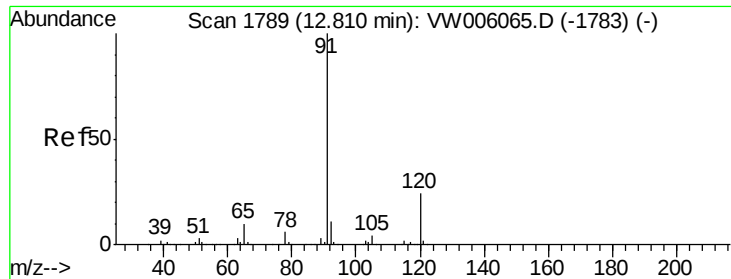
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 19.26 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

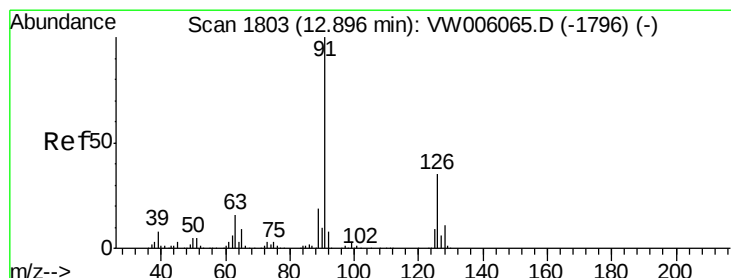
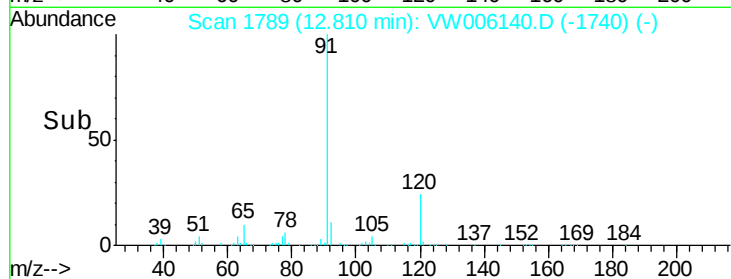
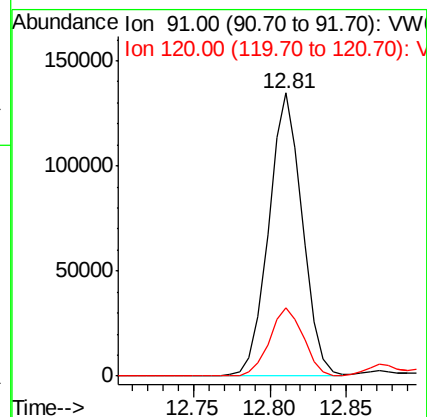
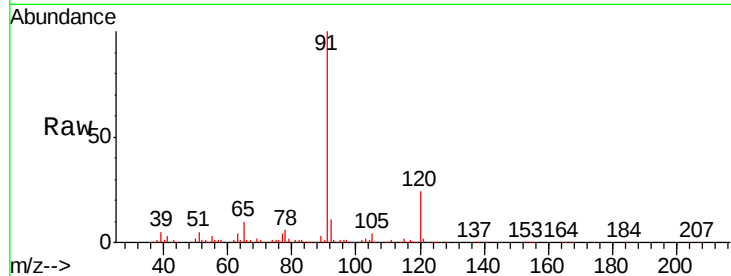
AOC1-02A

Tgt Ion: 91 Resp: 204673

Ion Ratio Lower Upper

91 100

120 24.4 12.2 36.6



#79

2-Chlorotoluene

Concen: 34.28 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW006140.D

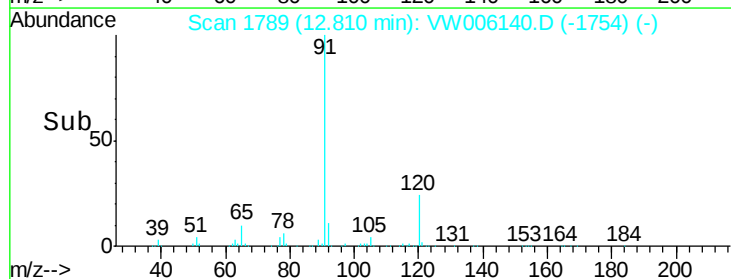
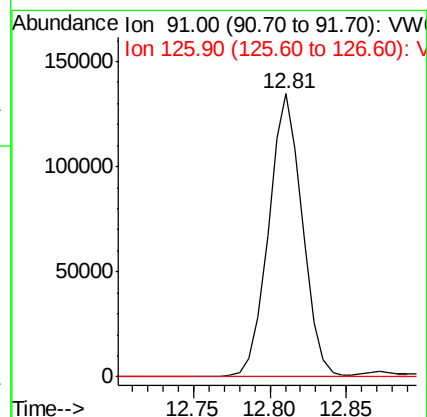
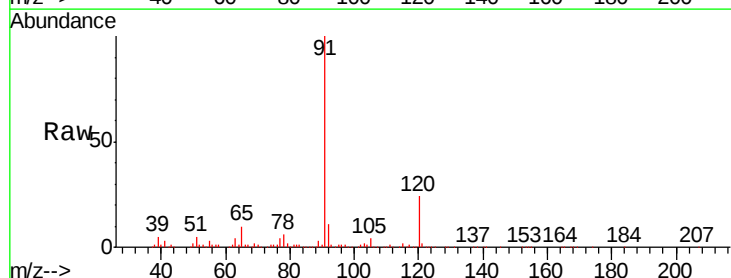
Acq: 17 Oct 2018 21:11

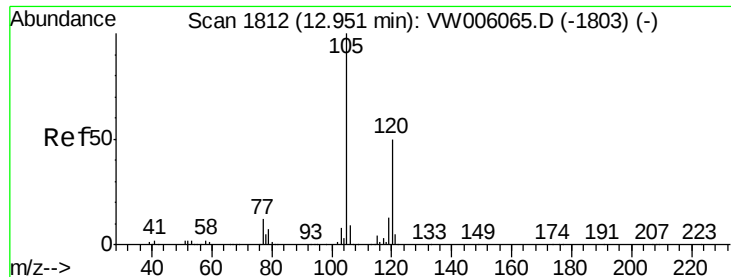
Tgt Ion: 91 Resp: 204673

Ion Ratio Lower Upper

91 100

126 0.4 17.9 53.8#





#80

1,3,5-Trimethylbenzene

Concen: 2.36 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

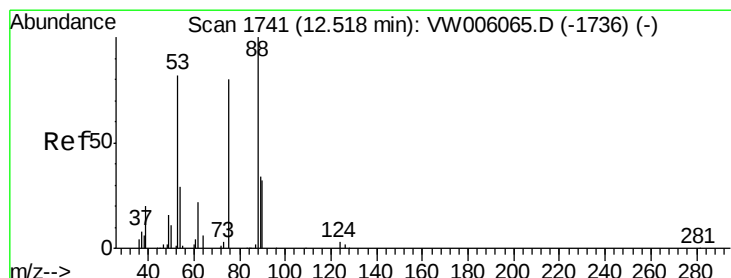
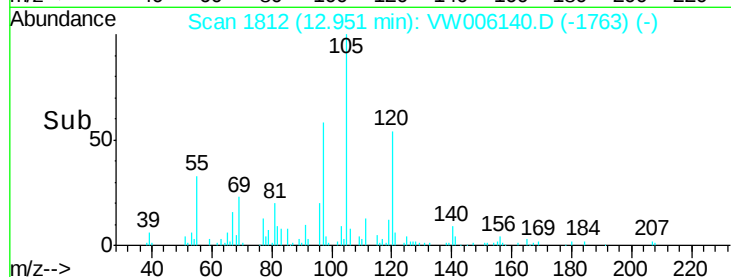
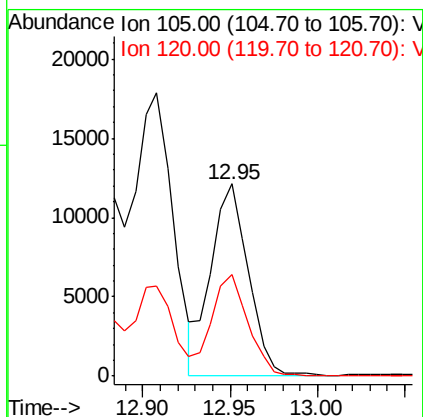
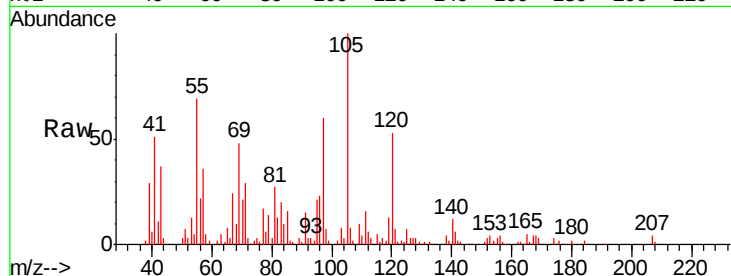
AOC1-02A

Tgt Ion:105 Resp: 18174

Ion Ratio Lower Upper

105 100

120 51.6 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 156.60 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

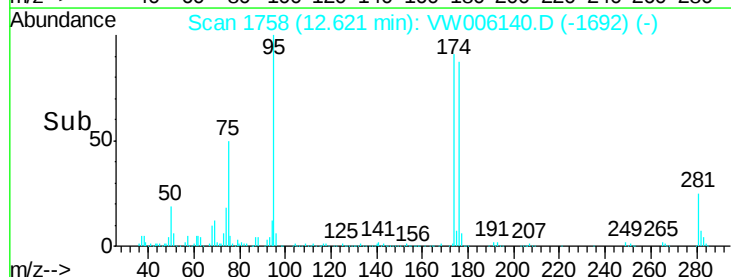
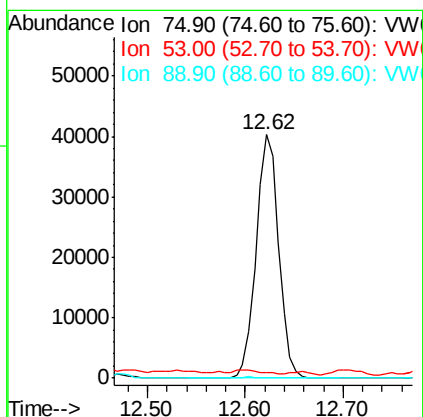
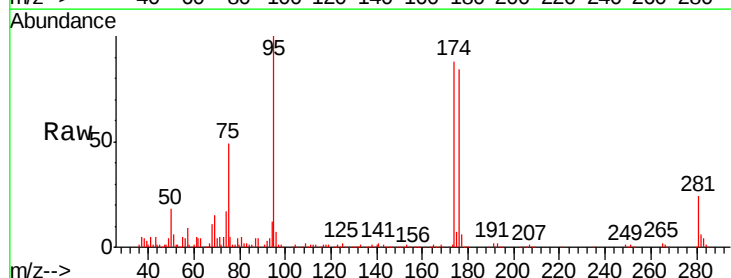
Tgt Ion: 75 Resp: 64686

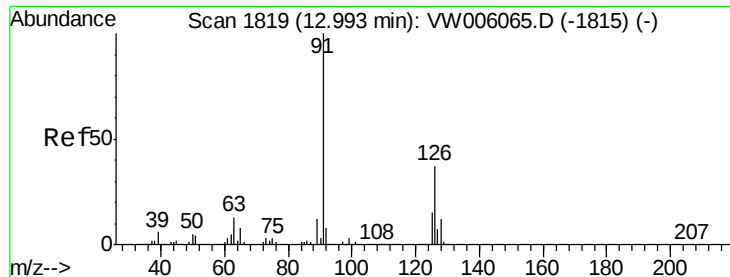
Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#





#82

4-Chlorotoluene

Concen: 1.37 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. 0.12 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

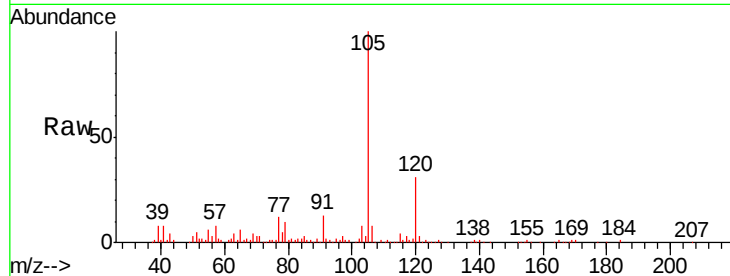
AOC1-02A

Tgt Ion: 91 Resp: 8556

Ion Ratio Lower Upper

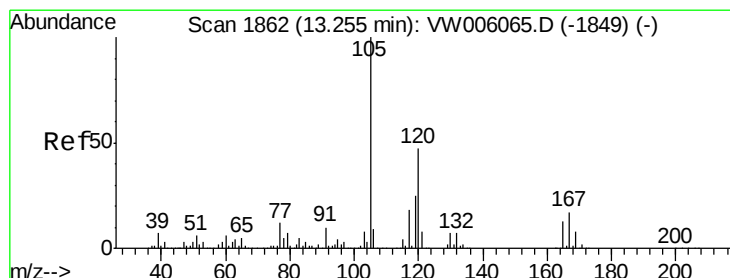
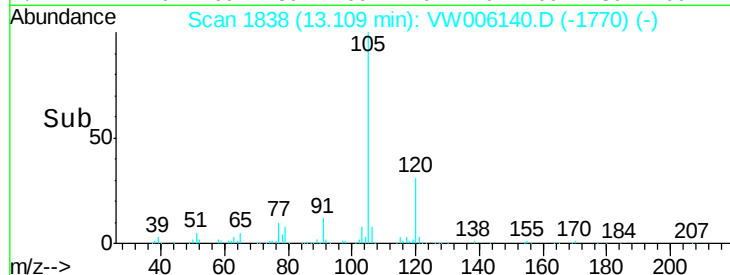
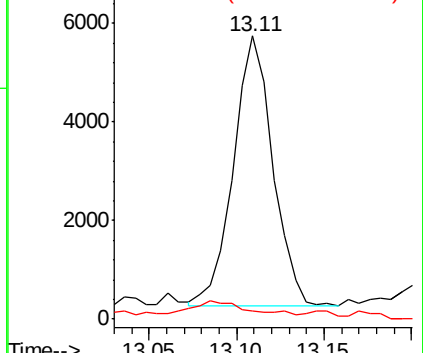
91 100

126 0.0 18.1 54.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 7.73 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006140.D

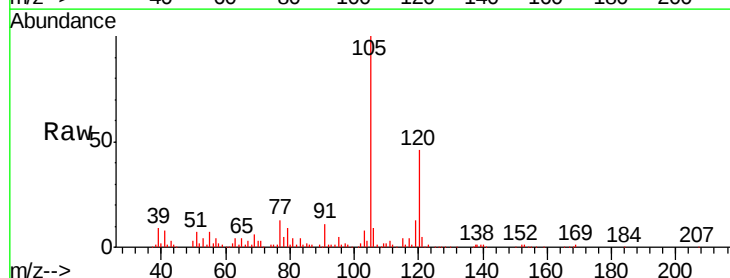
Acq: 17 Oct 2018 21:11

Tgt Ion: 105 Resp: 60238

Ion Ratio Lower Upper

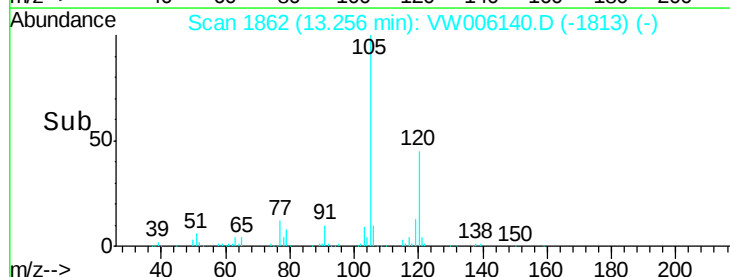
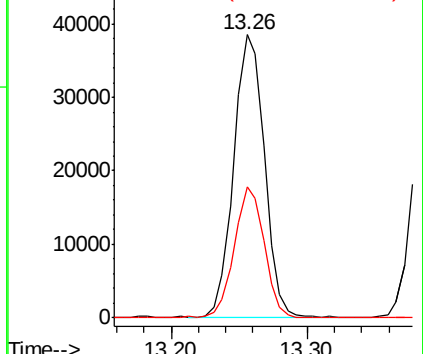
105 100

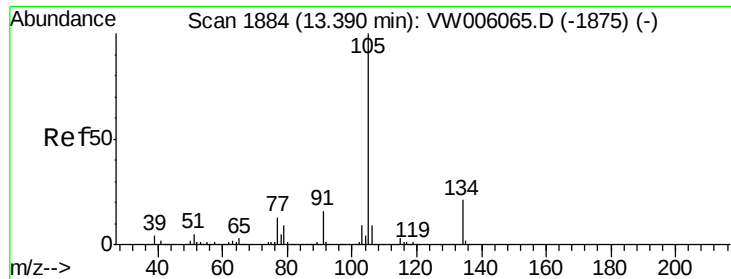
120 45.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.04 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

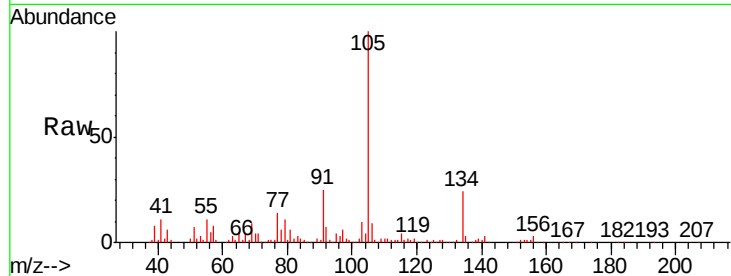
AOC1-02A

Tgt Ion:105 Resp: 58749

Ion Ratio Lower Upper

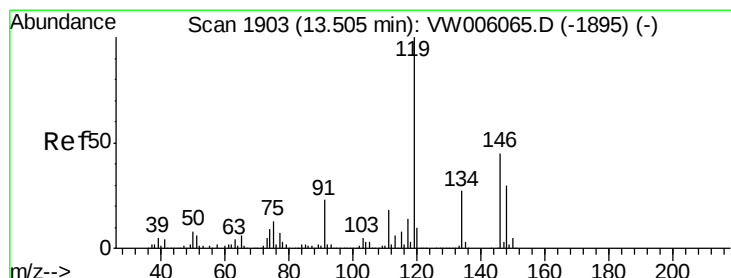
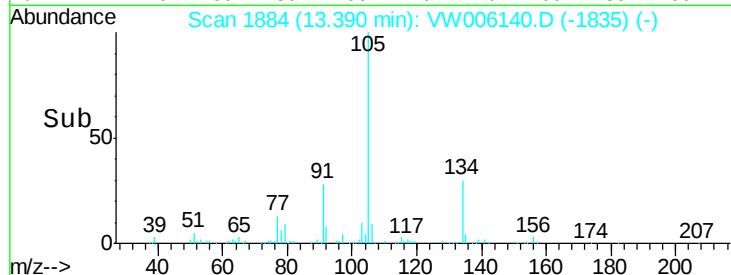
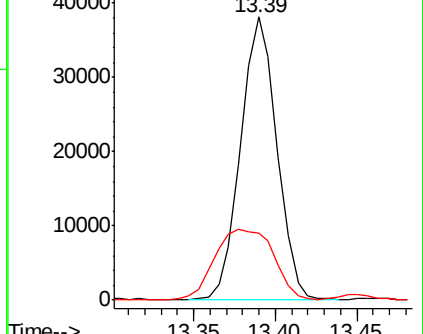
105 100

134 41.1 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.25 ug/l

RT: 13.66 min Scan# 1928

Delta R.T. 0.15 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

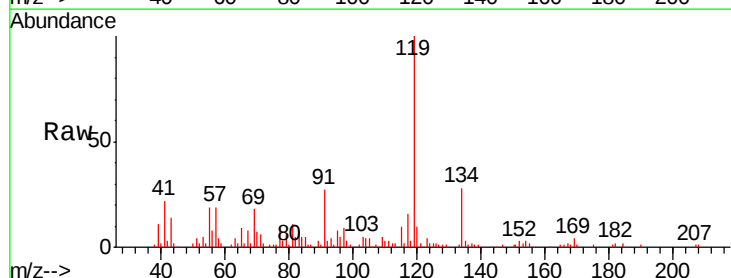
Tgt Ion:119 Resp: 19822

Ion Ratio Lower Upper

119 100

134 29.9 13.4 40.2

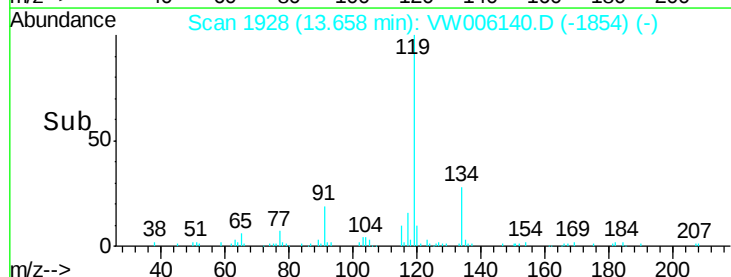
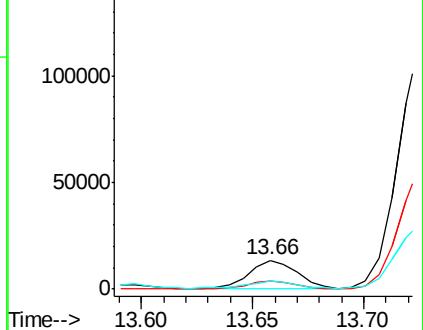
91 23.3 11.4 34.1

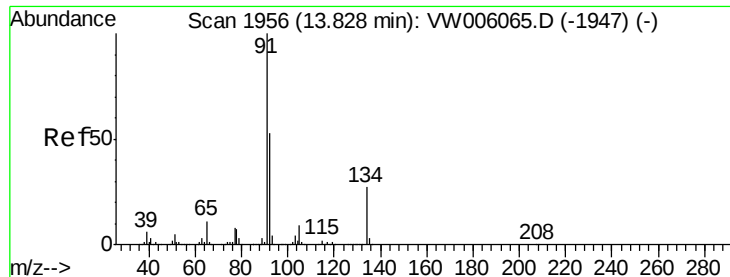


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 7.79 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

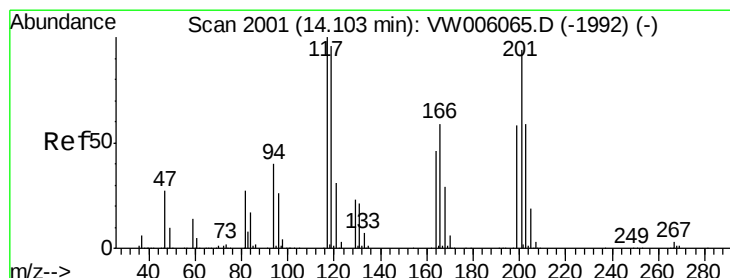
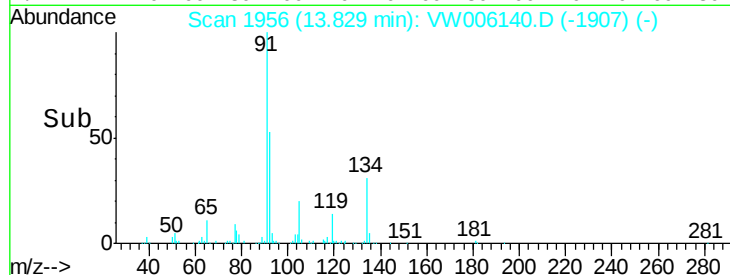
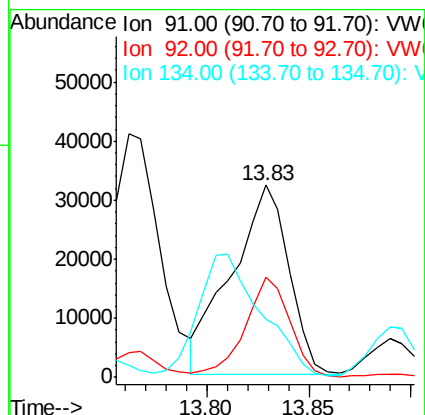
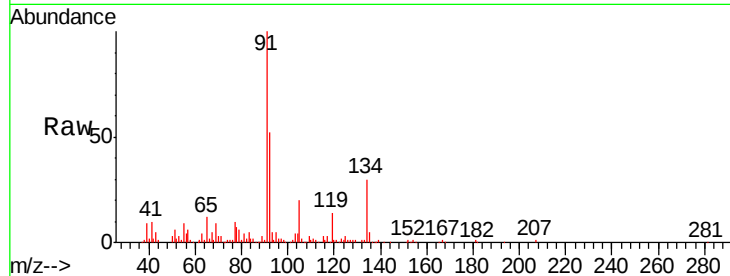
Tgt Ion: 91 Resp: 62686

Ion Ratio Lower Upper

91 100

92 41.1 26.6 79.7

134 70.5 14.0 41.9#



#90

Hexachloroethane

Concen: 34.33 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Tgt Ion: 117 Resp: 51180

Ion Ratio Lower Upper

117 100

201 0.0 45.3 135.9#

