

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007074.D
 Acq On : 27 Nov 2018 04:45
 Operator : VAY/AP
 Sample : J5996-17
 Misc : 6.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-B

Quant Time: Nov 27 07:52:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	115936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	185029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69259	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	60808	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
35) Dibromofluoromethane	7.88	113	50371	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	10.32	98	213305	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.62	95	73345	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	

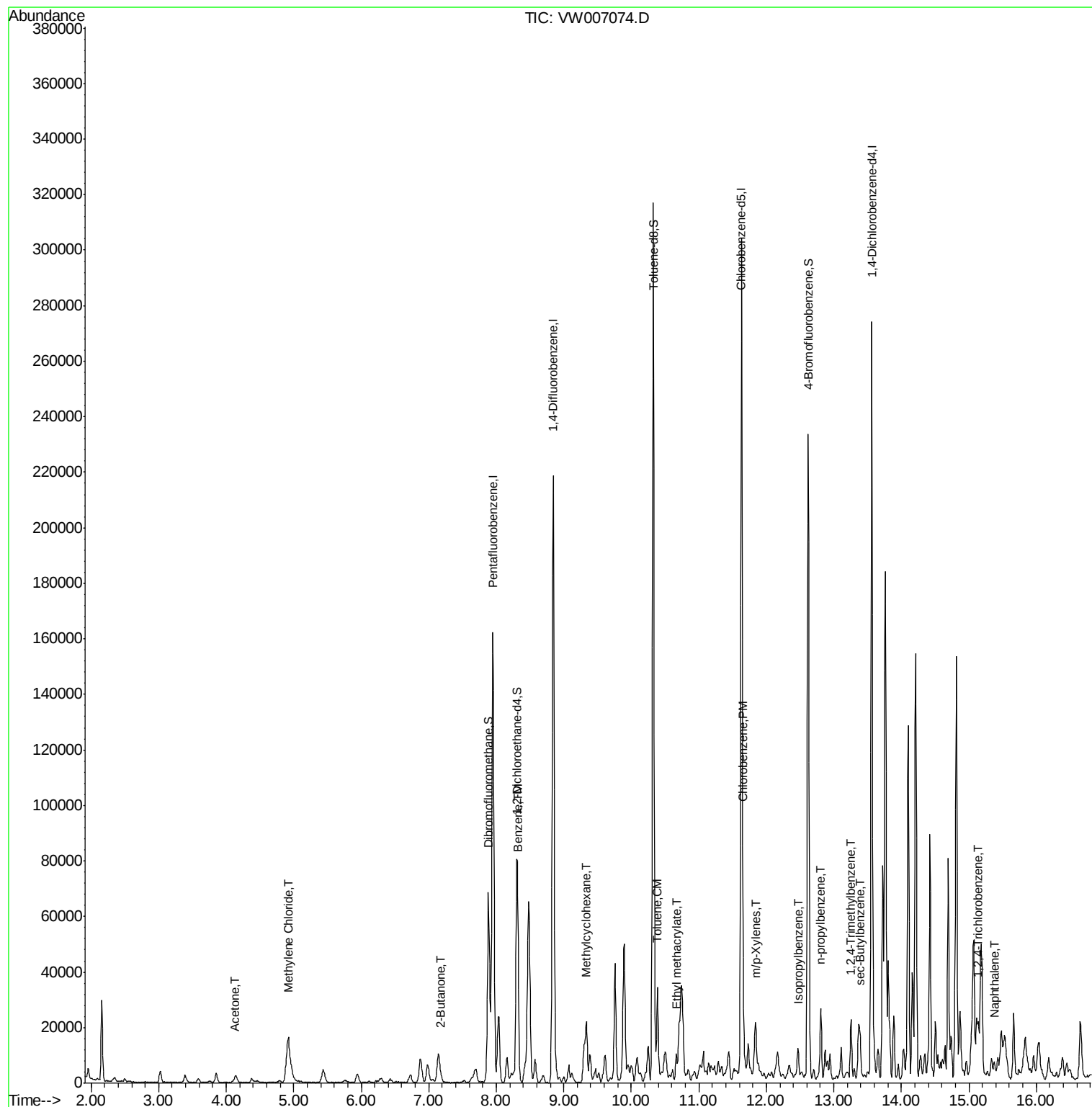
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	5006	30.38	ug/l	98
20) Methylene Chloride	4.92	84	10404	2.83	ug/l	98
25) 2-Butanone	7.18	43	2314	8.20	ug/l	96
39) Methylcyclohexane	9.34	83	5912	2.61	ug/l #	85
40) Benzene	8.32	78	10121	2.07	ug/l	96
52) Toluene	10.39	92	13684	4.12	ug/l	98
56) Ethyl methacrylate	10.66	69	1213	1.18	ug/l #	42
65) Chlorobenzene	11.66	112	9523	2.77	ug/l	95
68) m/p-Xylenes	11.84	106	6207	2.51	ug/l	99
73) Isopropylbenzene	12.47	105	6730	1.25	ug/l	97
78) n-propylbenzene	12.80	91	19345	2.97	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	11430	2.46	ug/l	99
85) sec-Butylbenzene	13.39	105	9256	1.63	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.14	180	4312	3.16	ug/l #	60
95) Naphthalene	15.37	128	3493	1.41	ug/l #	94

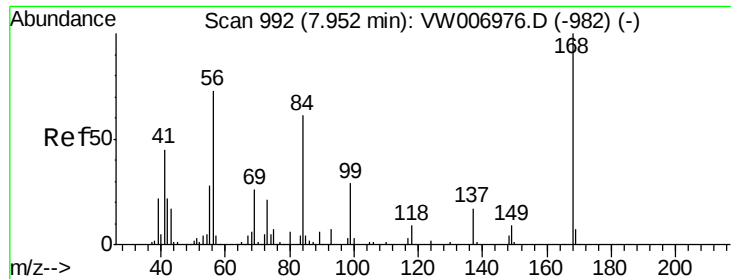
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

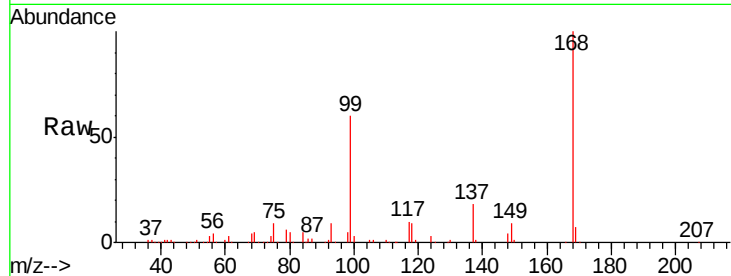
AOC1-06-B

Tgt Ion:168 Resp: 115936

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

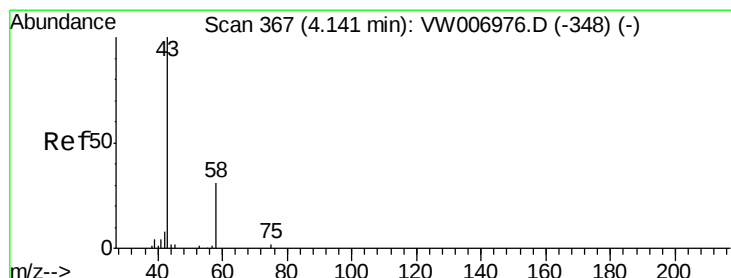
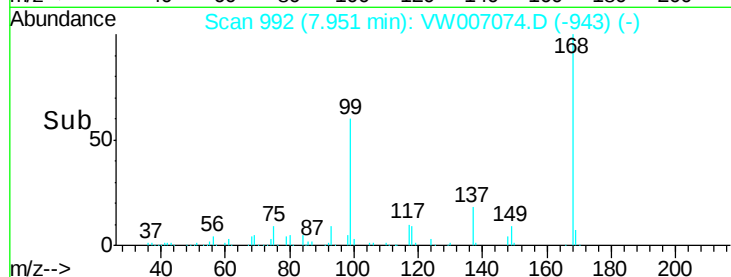
20000

10000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 30.38 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007074.D

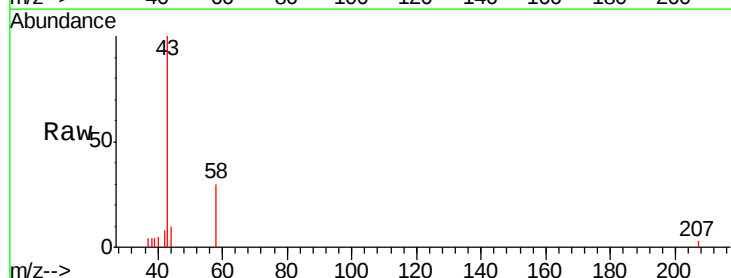
Acq: 27 Nov 2018 04:45

Tgt Ion: 43 Resp: 5006

Ion Ratio Lower Upper

43 100

58 30.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1500

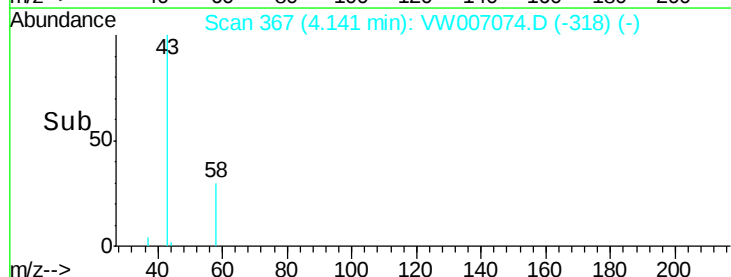
1000

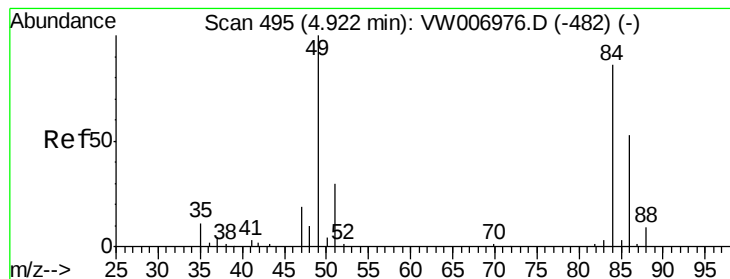
500

0

4.00 4.10 4.20

Time-->





#20

Methylene Chloride

Concen: 2.83 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-06-B

Tgt Ion: 84 Resp: 10404

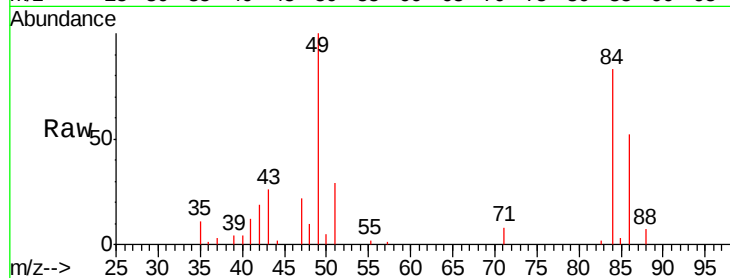
Ion Ratio Lower Upper

84 100

49 119.8 93.4 140.0

51 34.5 28.4 42.6

86 62.2 49.8 74.8

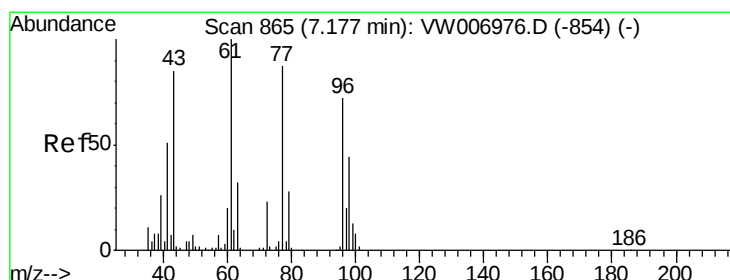
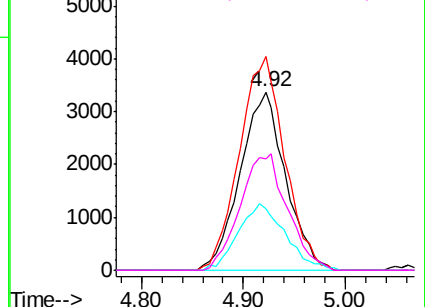
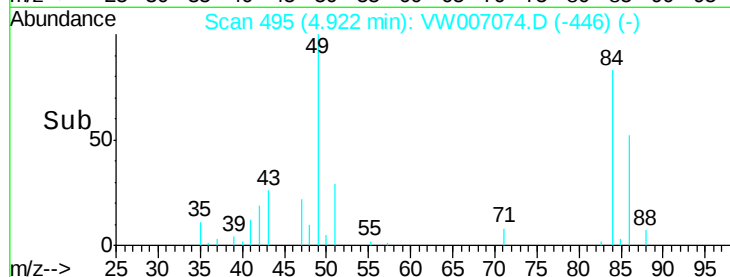


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 8.20 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007074.D

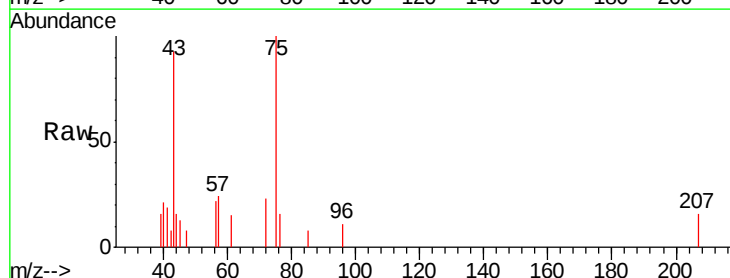
Acq: 27 Nov 2018 04:45

Tgt Ion: 43 Resp: 2314

Ion Ratio Lower Upper

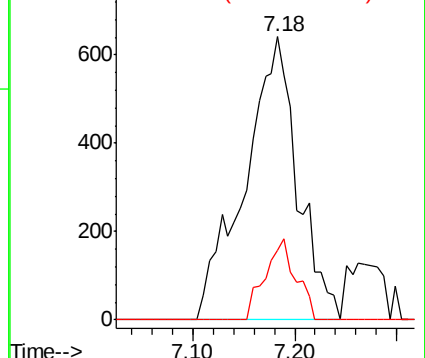
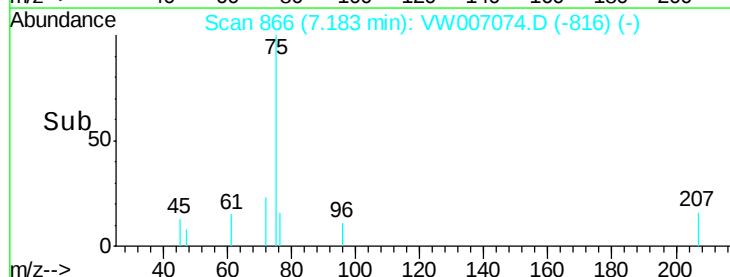
43 100

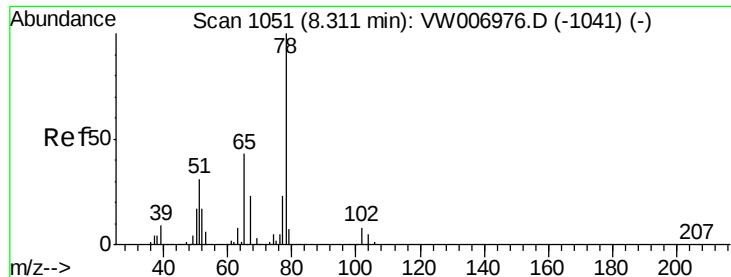
72 24.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

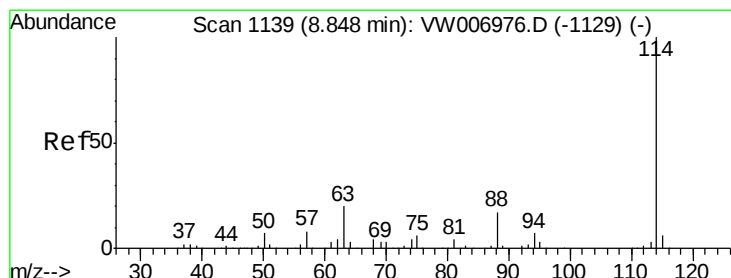
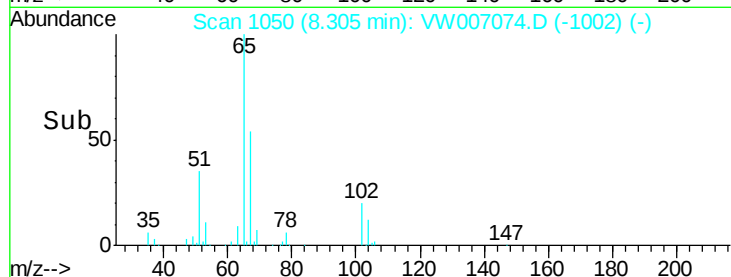
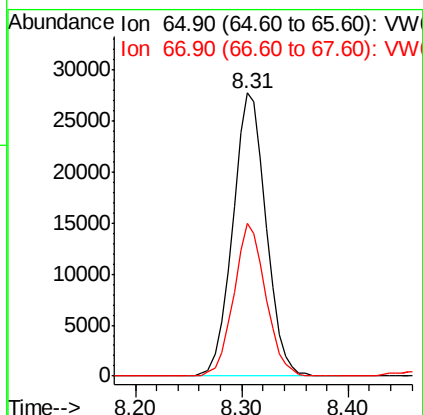
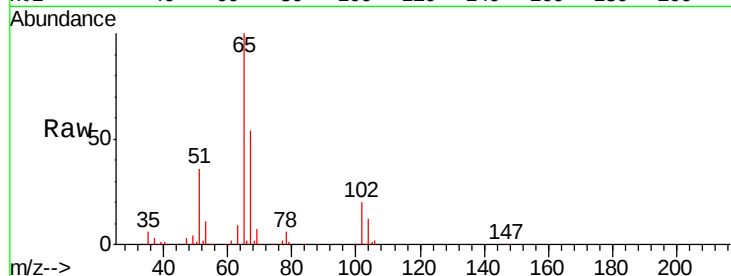




#33
 1,2-Dichloroethane-d4
 Concen: 53.57 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007074.D
 Acq: 27 Nov 2018 04:45

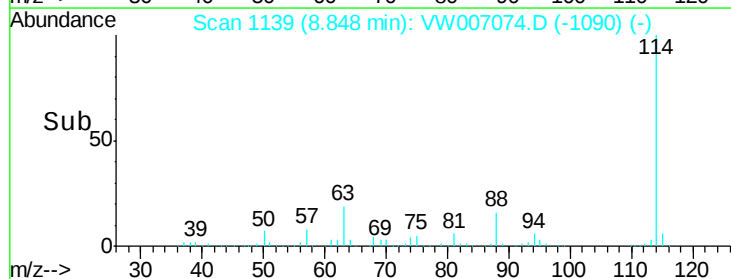
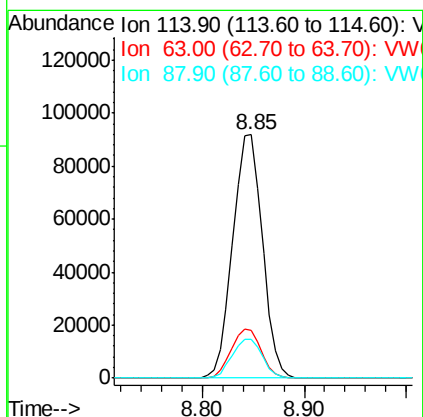
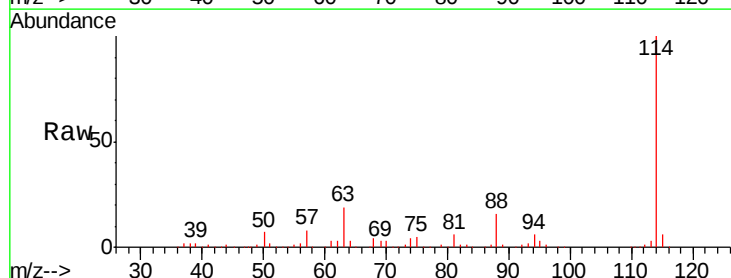
Instrument :
 MSVOA_W
 ClientSampled :
 AOC1-06-B

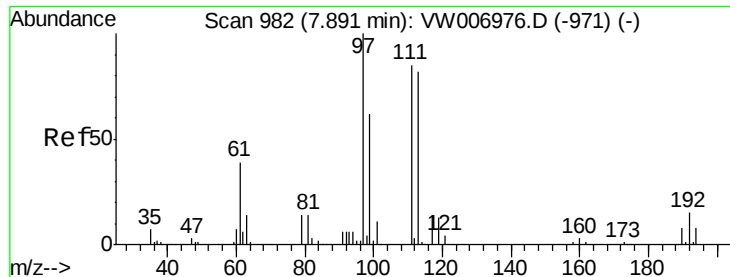
Tgt Ion: 65 Resp: 60808
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007074.D
 Acq: 27 Nov 2018 04:45

Tgt Ion: 114 Resp: 185029
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.7 0.0 34.2

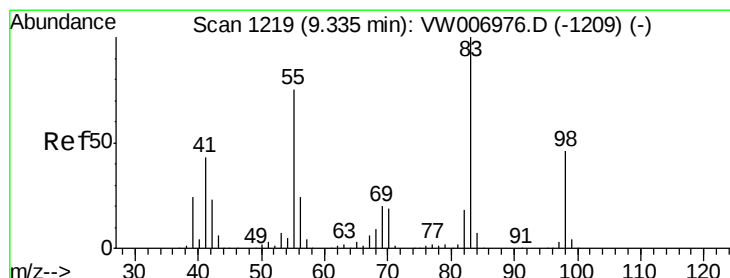
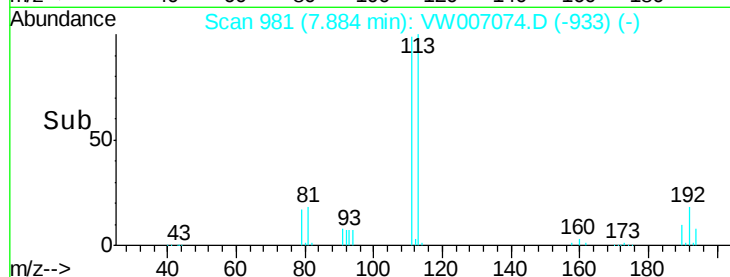
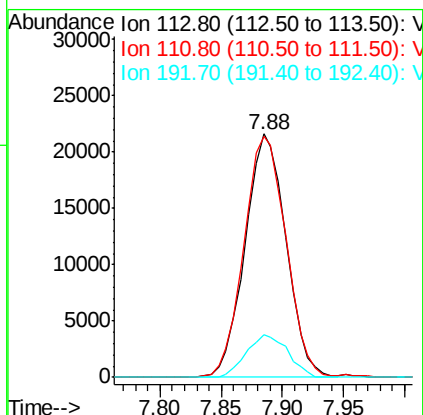
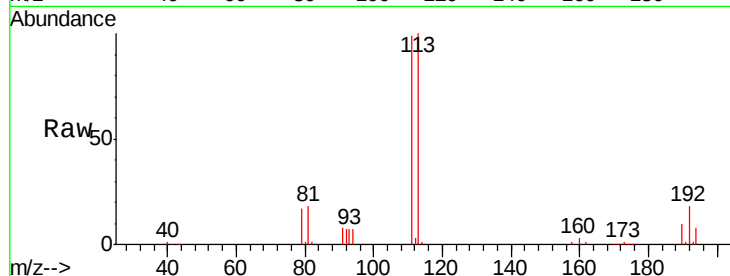




#35
Dibromofluoromethane
Concen: 48.21 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

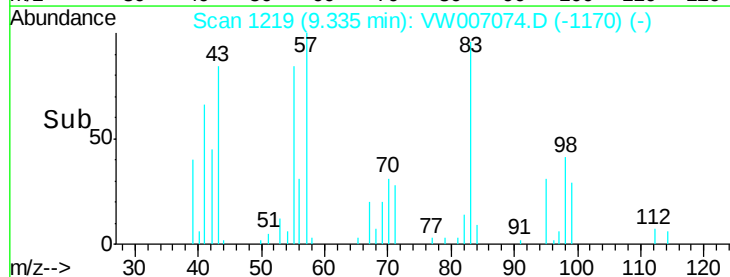
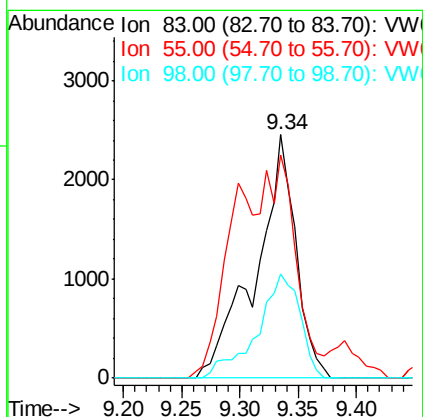
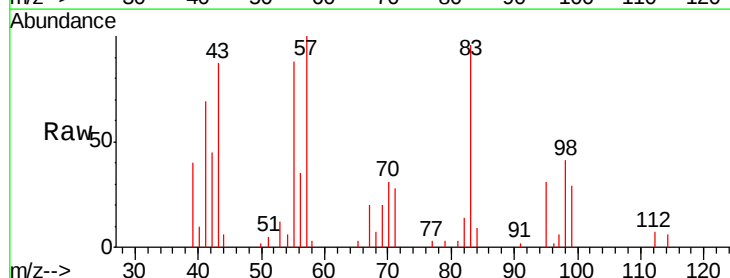
Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-B

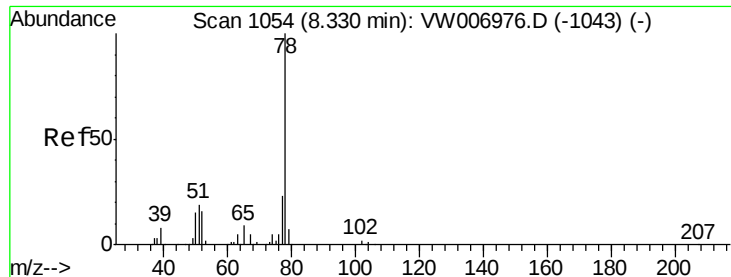
Tgt Ion:113 Resp: 50371
Ion Ratio Lower Upper
113 100
111 102.4 81.0 121.6
192 17.7 15.0 22.6



#39
Methylcyclohexane
Concen: 2.61 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

Tgt Ion: 83 Resp: 5912
Ion Ratio Lower Upper
83 100
55 91.4 59.6 89.4#
98 42.5 37.1 55.7





#40

Benzene

Concen: 2.07 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

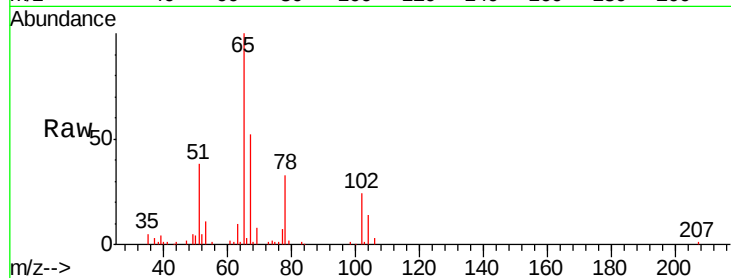
AOC1-06-B

Tgt Ion: 78 Resp: 10121

Ion Ratio Lower Upper

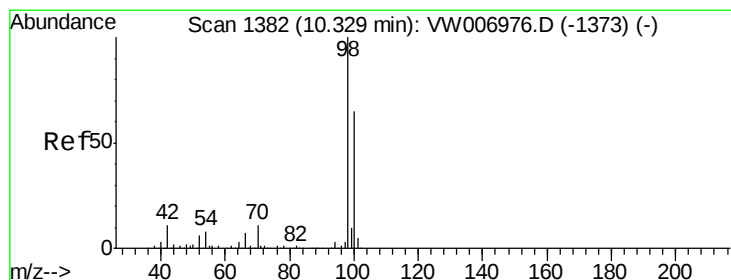
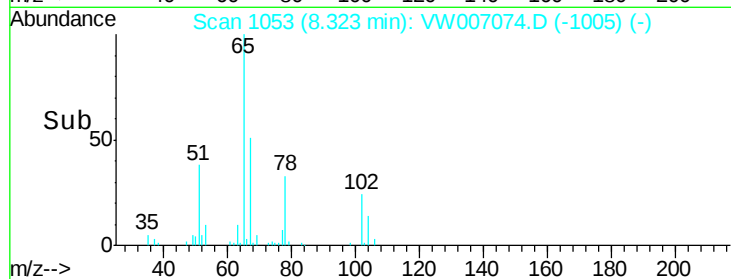
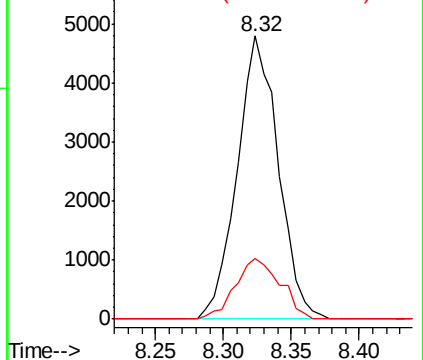
78 100

77 21.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 46.23 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007074.D

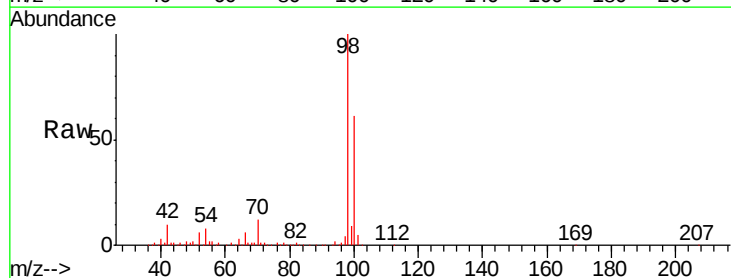
Acq: 27 Nov 2018 04:45

Tgt Ion: 98 Resp: 213305

Ion Ratio Lower Upper

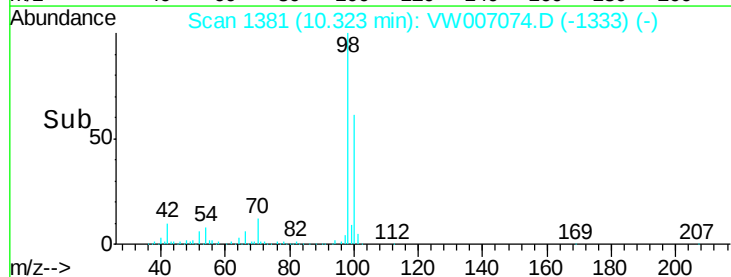
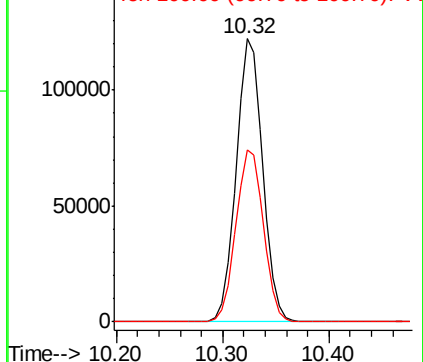
98 100

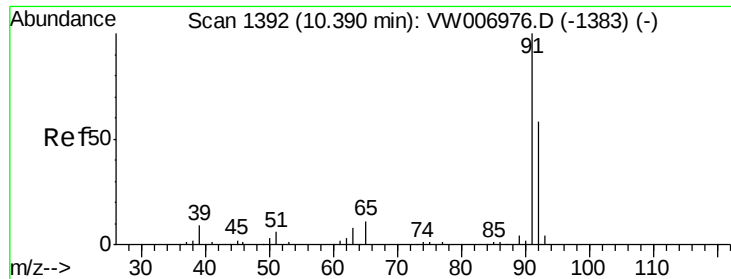
100 63.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 4.12 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

Instrument :

MSVOA_W

ClientSampled :

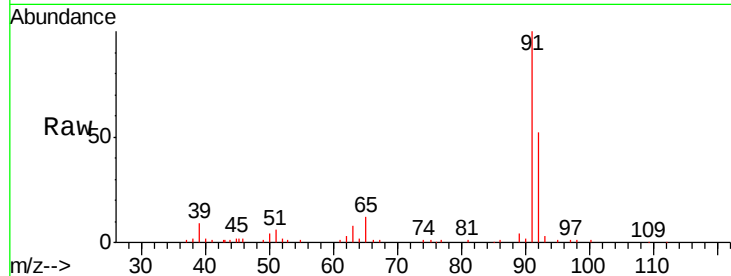
AOC1-06-B

Tgt Ion: 92 Resp: 13684

Ion Ratio Lower Upper

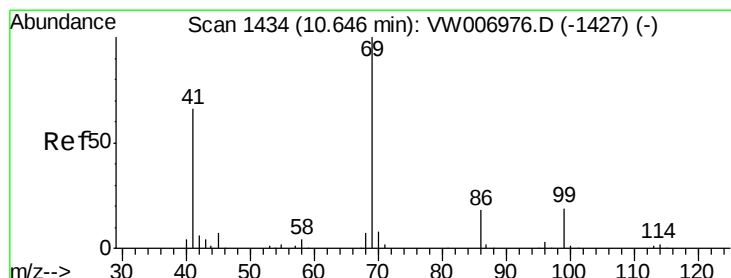
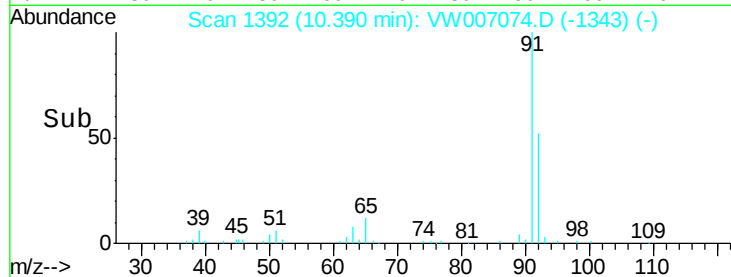
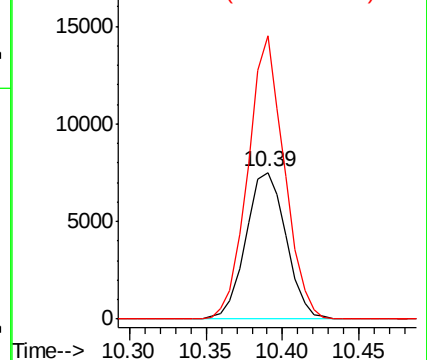
92 100

91 174.8 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#56

Ethyl methacrylate

Concen: 1.18 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

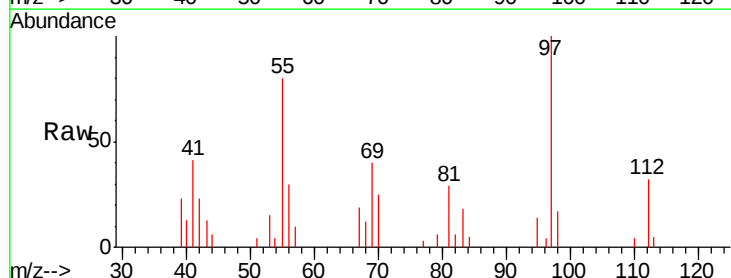
Tgt Ion: 69 Resp: 1213

Ion Ratio Lower Upper

69 100

41 117.6 53.4 80.0#

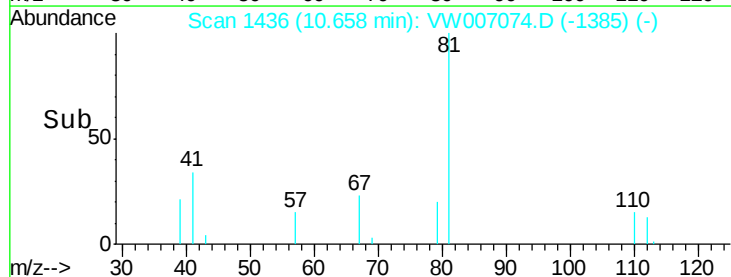
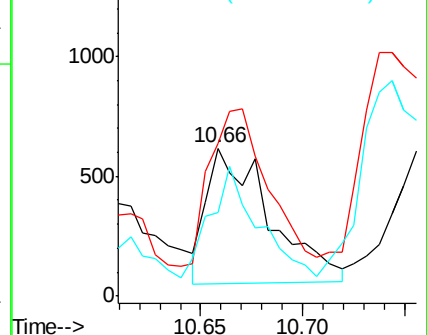
39 62.2 28.2 42.4#

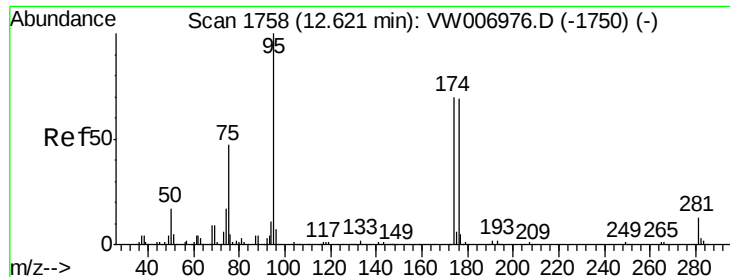


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

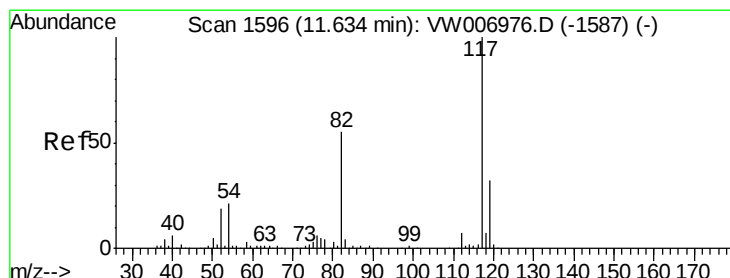
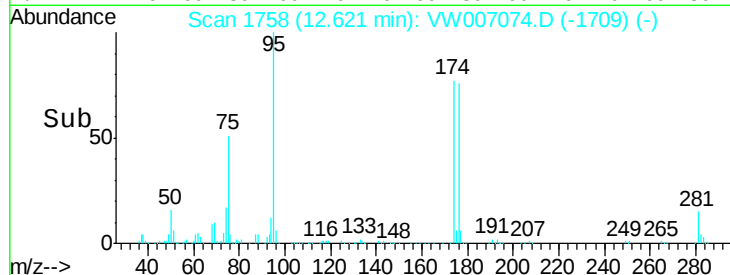
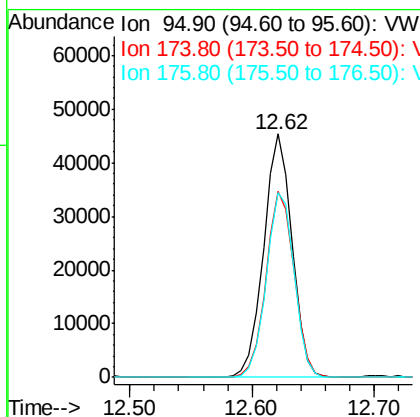
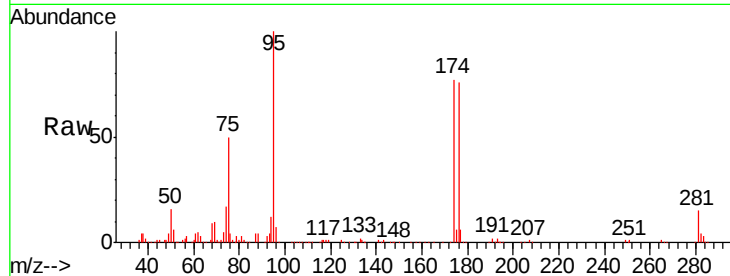




#62
4-Bromofluorobenzene
Concen: 40.39 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

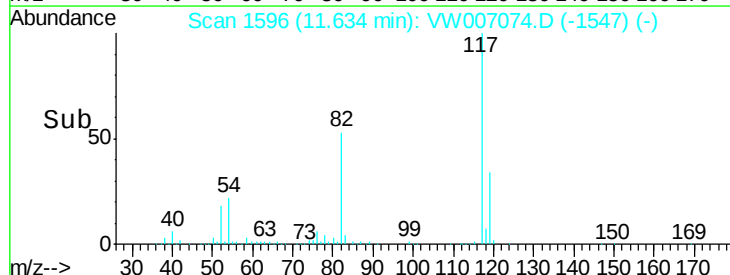
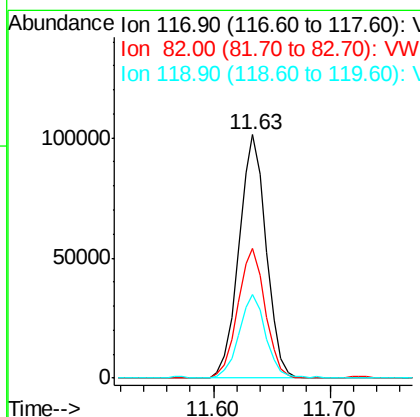
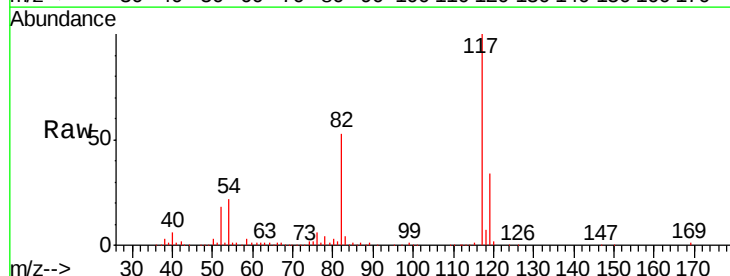
Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-B

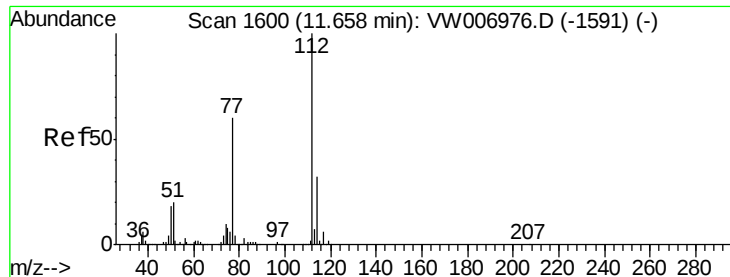
Tgt Ion: 95 Resp: 73345
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.6
176 74.2 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

Tgt Ion: 117 Resp: 164602
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 34.1 25.9 38.9

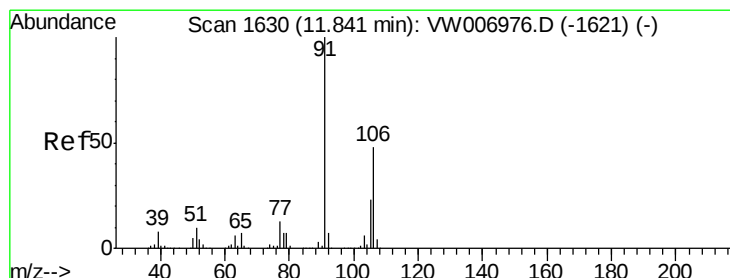
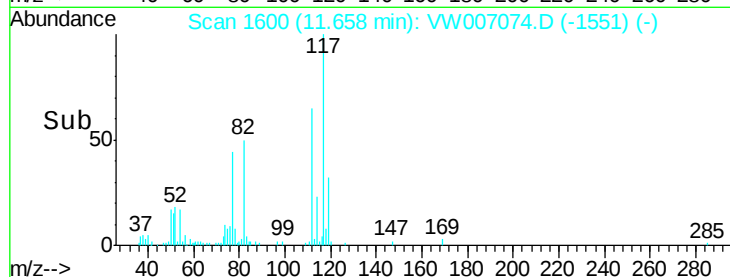
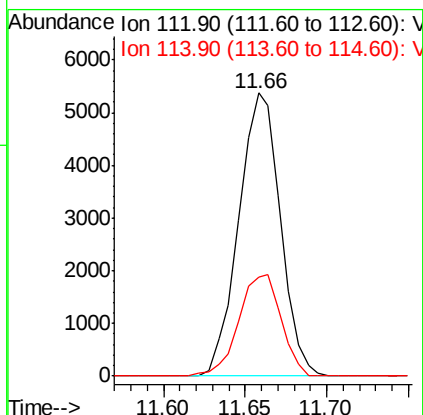
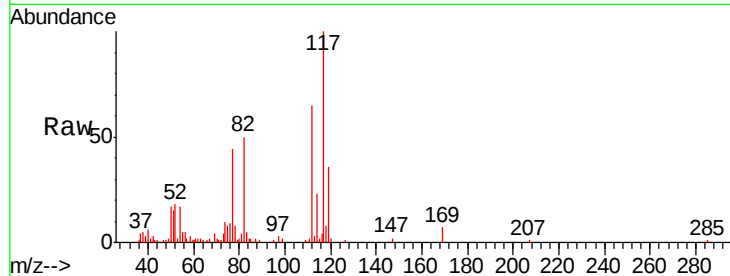




#65
Chlorobenzene
Concen: 2.77 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

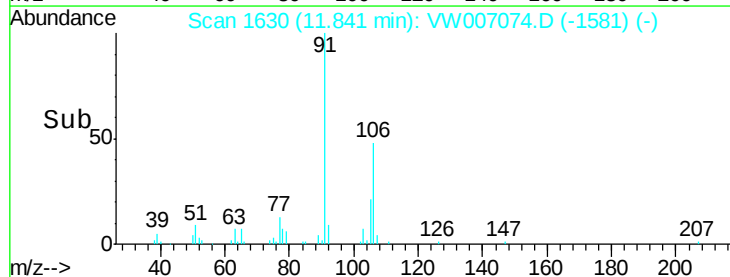
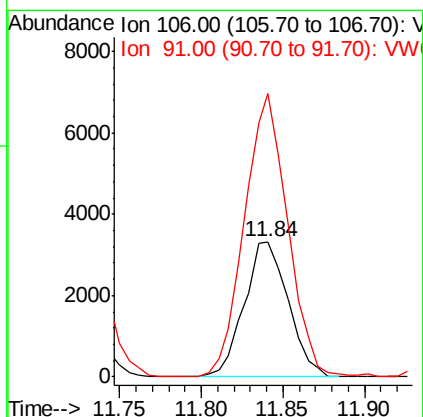
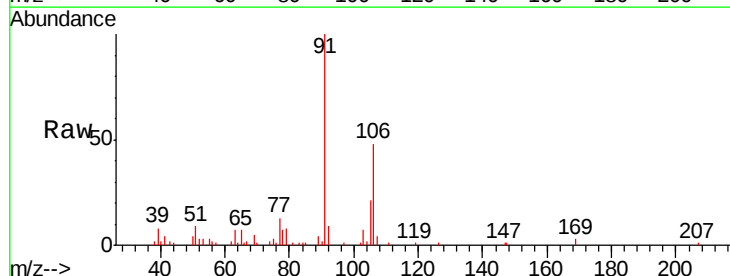
Instrument :
MSVOA_W
ClientSampled :
AOC1-06-B

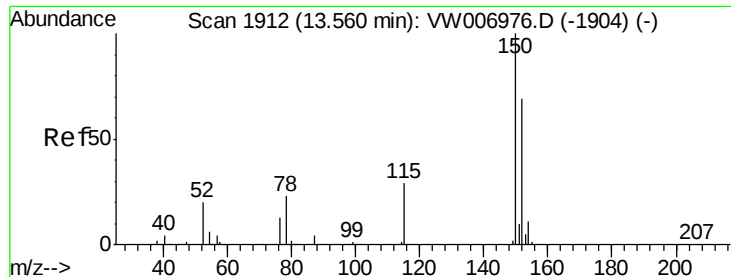
Tgt Ion:112 Resp: 9523
Ion Ratio Lower Upper
112 100
114 35.0 25.8 38.8



#68
m/p-Xylenes
Concen: 2.51 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

Tgt Ion:106 Resp: 6207
Ion Ratio Lower Upper
106 100
91 207.0 164.8 247.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007074.D

Acq: 27 Nov 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-06-B

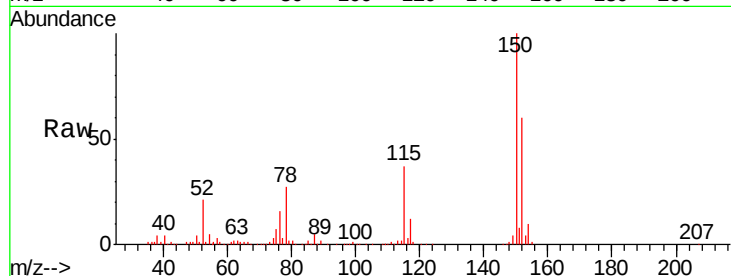
Tgt Ion:152 Resp: 69259

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

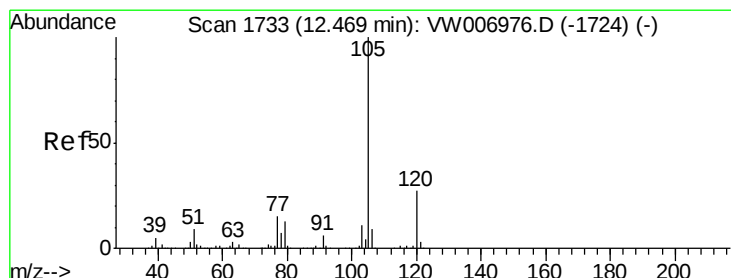
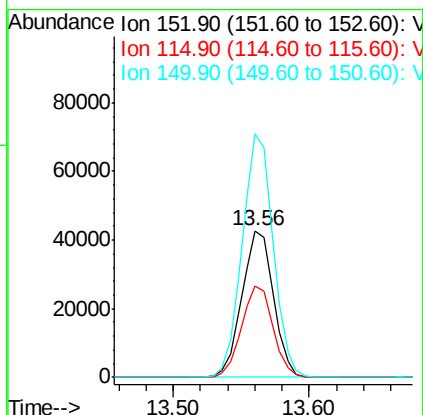
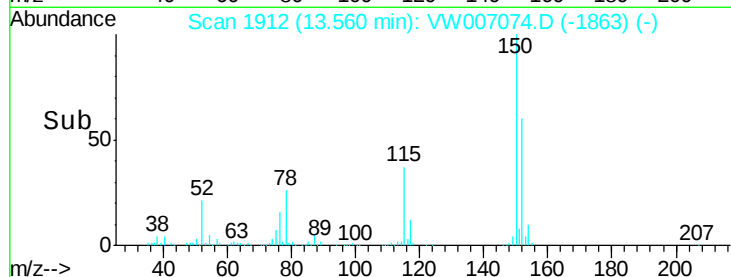
150 163.1 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.25 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007074.D

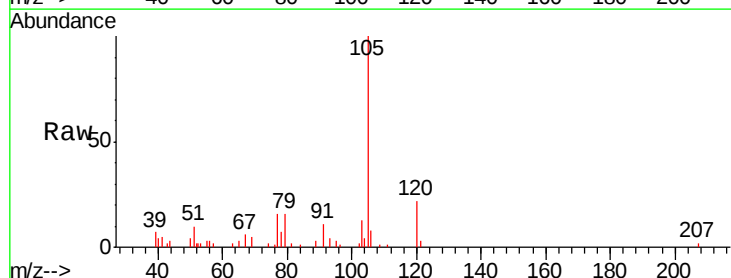
Acq: 27 Nov 2018 04:45

Tgt Ion:105 Resp: 6730

Ion Ratio Lower Upper

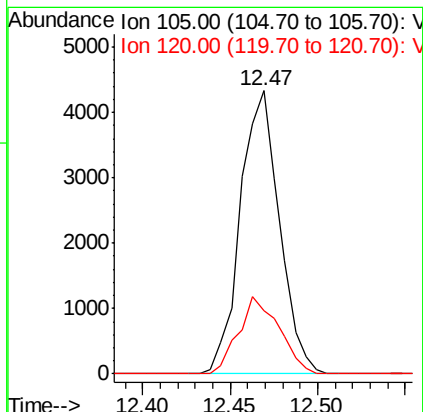
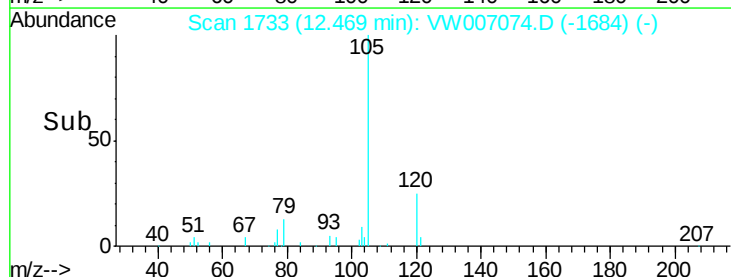
105 100

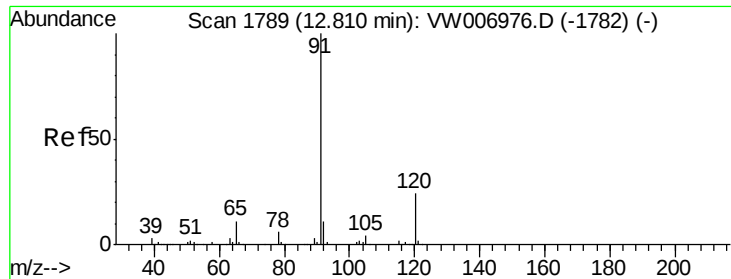
120 28.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

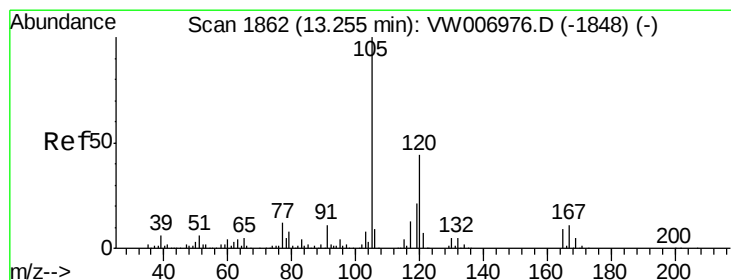
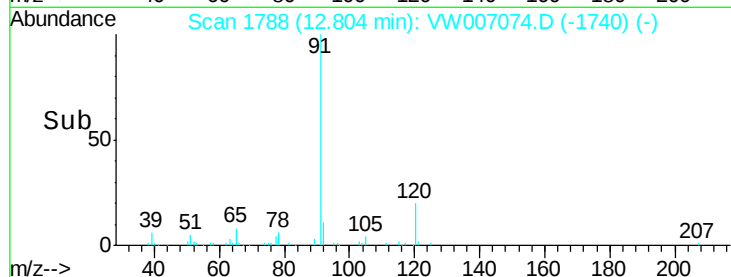
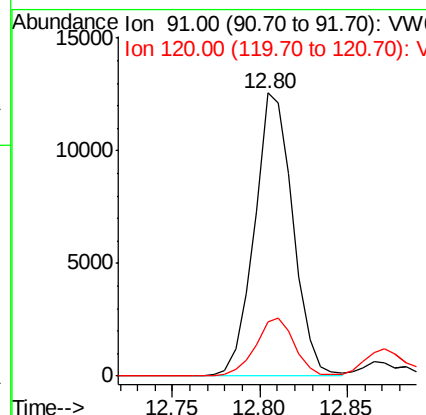
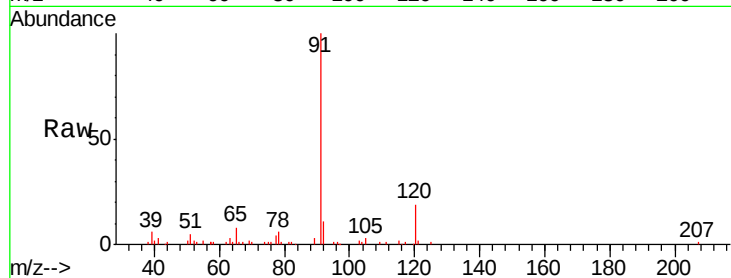




#78
n-propylbenzene
Concen: 2.97 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

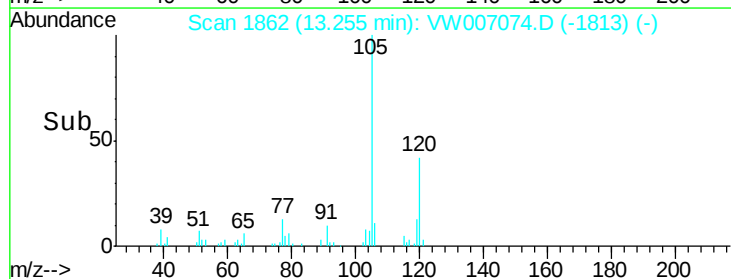
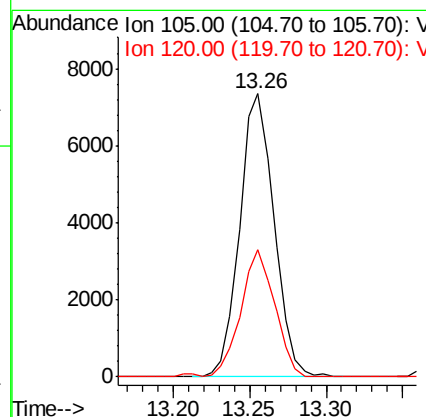
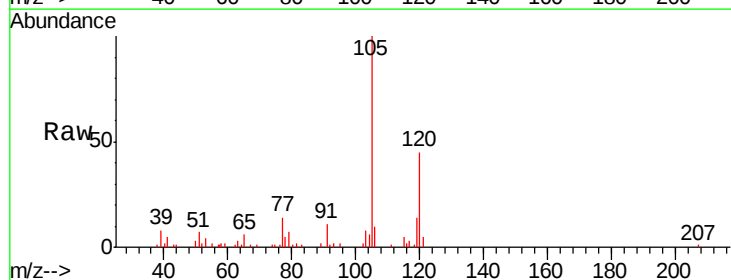
Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-B

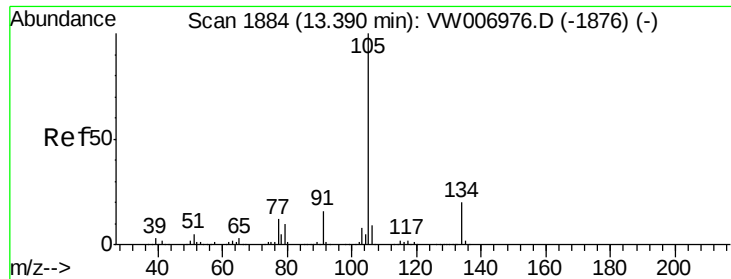
Tgt Ion: 91 Resp: 19345
Ion Ratio Lower Upper
91 100
120 20.8 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 2.46 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

Tgt Ion: 105 Resp: 11430
Ion Ratio Lower Upper
105 100
120 44.4 21.8 65.3

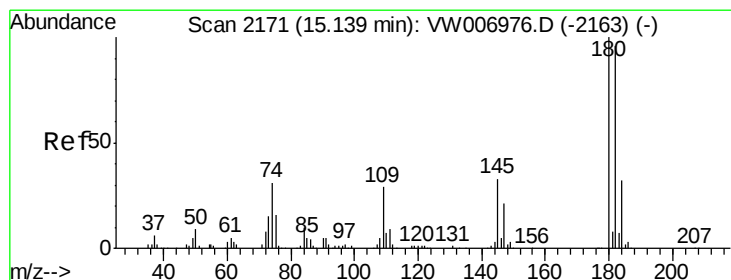
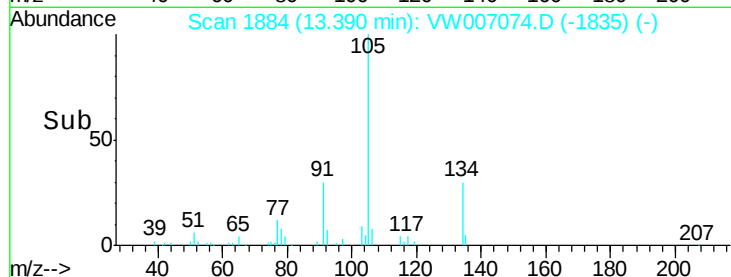
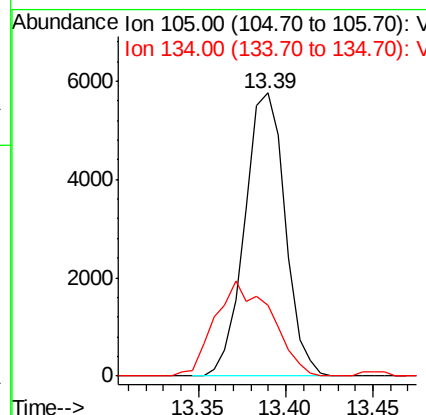
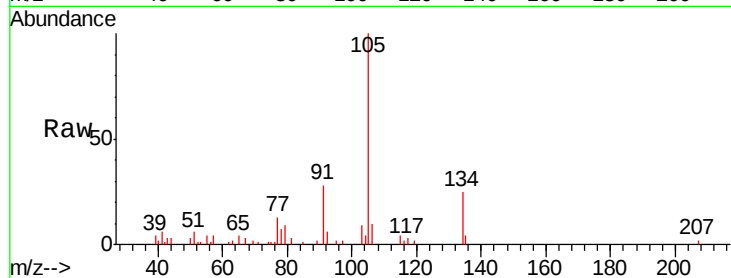




#85
 sec-Butylbenzene
 Concen: 1.63 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007074.D
 Acq: 27 Nov 2018 04:45

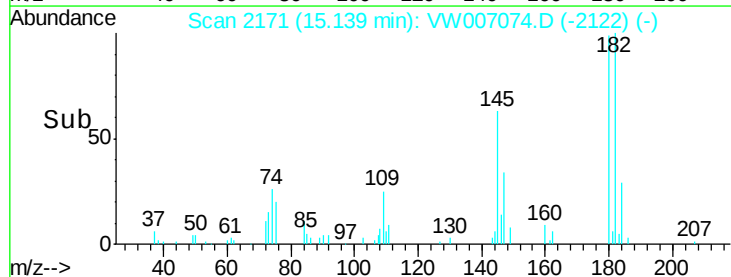
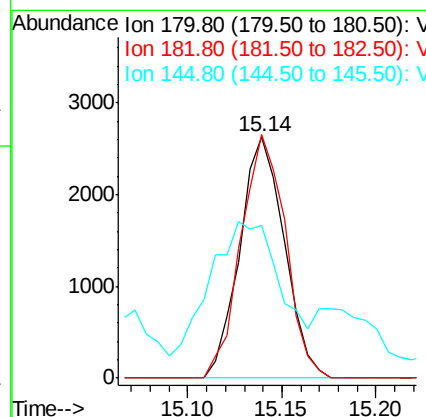
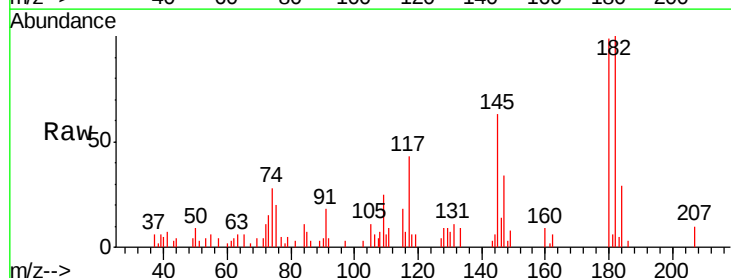
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-B

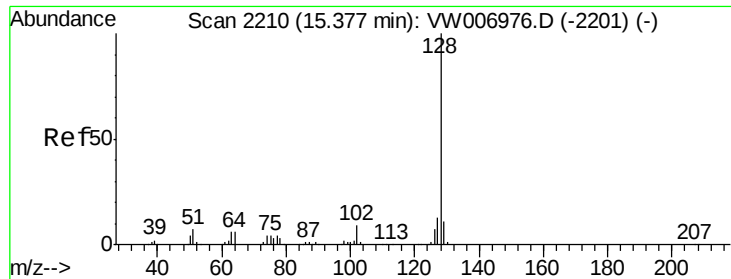
Tgt Ion:105 Resp: 9256
 Ion Ratio Lower Upper
 105 100
 134 47.0 9.8 29.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.16 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007074.D
 Acq: 27 Nov 2018 04:45

Tgt Ion:180 Resp: 4312
 Ion Ratio Lower Upper
 180 100
 182 100.9 47.1 141.3
 145 109.6 16.5 49.5#





#95
Naphthalene
Concen: 1.41 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007074.D
Acq: 27 Nov 2018 04:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-B

Tgt Ion:128 Resp: 3493
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 6.7 8.7 13.1#

