

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
 Data File : VW004208.D
 Acq On : 25 Jul 2018 22:29
 Operator : SY/AP
 Sample : J4096-04
 Misc : 6.61G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-6

Quant Time: Jul 26 07:01:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	125372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	231300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	22300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	70928	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	49358	33.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.52%	
50) Toluene-d8	10.33	98	125259	21.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.50%	
62) 4-Bromofluorobenzene	12.62	95	24146	11.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.26%	

Target Compounds

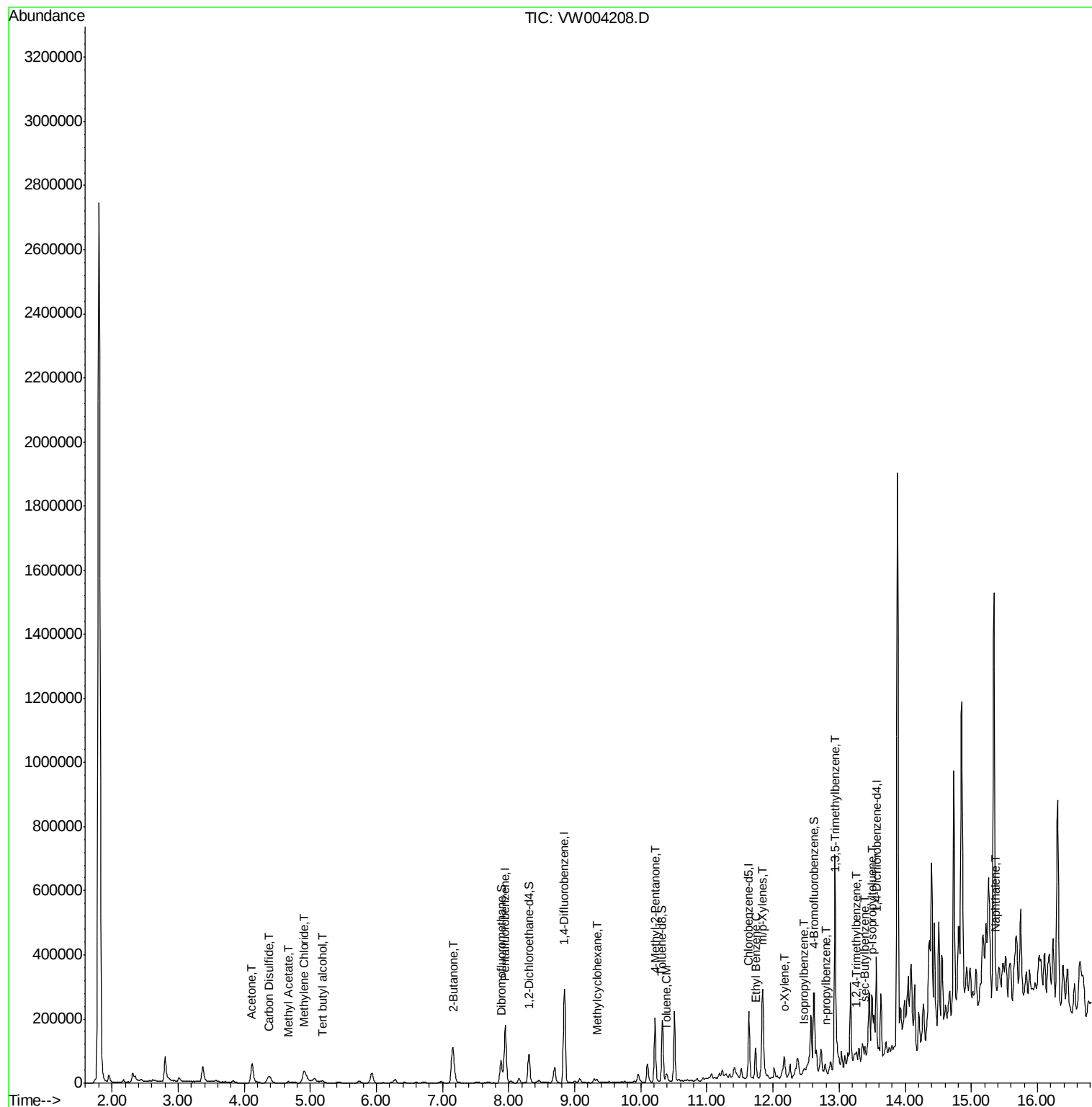
						Qvalue
11) Tert butyl alcohol	5.18	59	14423	149.09	ug/l	97
16) Acetone	4.12	43	105984	314.72	ug/l	99
17) Carbon Disulfide	4.37	76	43610	11.47	ug/l	99
18) Methyl Acetate	4.67	43	8559	10.59	ug/l	99
20) Methylene Chloride	4.91	84	31923	16.15	ug/l	96
25) 2-Butanone	7.18	43	48429	106.87	ug/l	95
39) Methylcyclohexane	9.34	83	3570	1.28	ug/l	86
51) 4-Methyl-2-Pentanone	10.21	43	133755	116.94	ug/l	98
52) Toluene	10.39	92	9111	2.23	ug/l	100
67) Ethyl Benzene	11.74	91	65254	15.66	ug/l	95
68) m/p-Xylenes	11.84	106	50567	31.75	ug/l	98
69) o-Xylene	12.17	106	16523	11.18	ug/l	96
73) Isopropylbenzene	12.47	105	7860	4.99	ug/l	96
78) n-propylbenzene	12.81	91	5871	3.04	ug/l	86
80) 1,3,5-Trimethylbenzene	12.95	105	10035	7.57	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	20907	15.32	ug/l	98
85) sec-Butylbenzene	13.39	105	23079	13.97	ug/l	93
86) p-Isopropyltoluene	13.51	119	36534	25.21	ug/l	95
95) Naphthalene	15.38	128	26508	30.48	ug/l #	77

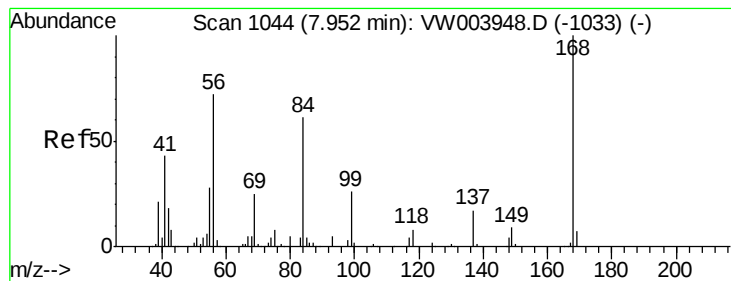
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampled :

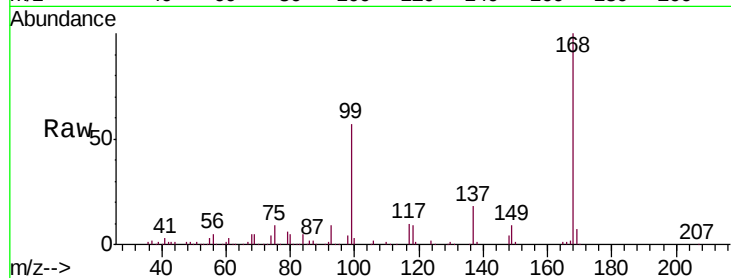
DW-6

Tot Ion:168 Resp: 125372

Ion Ratio Lower Upper

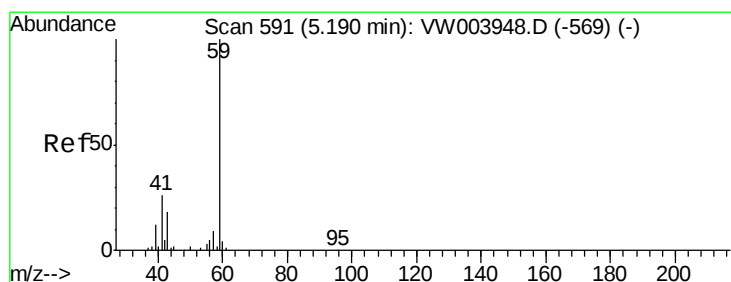
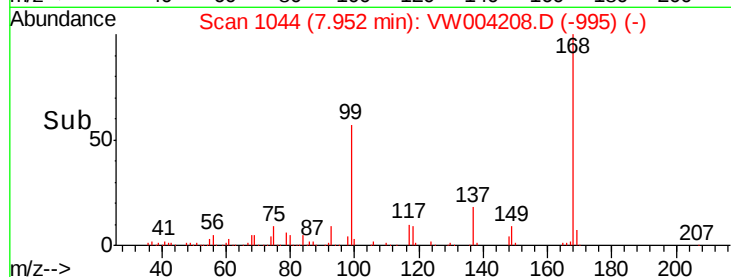
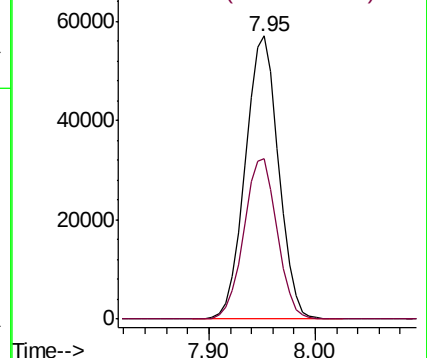
168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 149.09 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.01 min

Lab File: VW004208.D

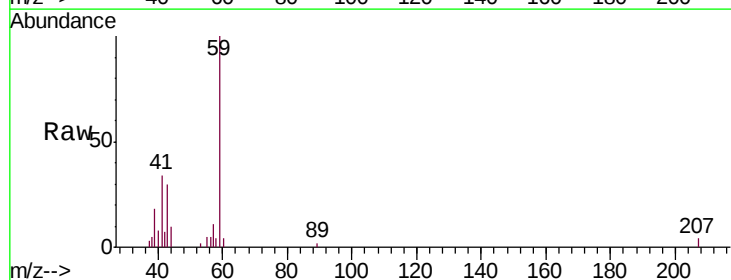
Acq: 25 Jul 2018 22:29

Tgt Ion: 59 Resp: 14423

Ion Ratio Lower Upper

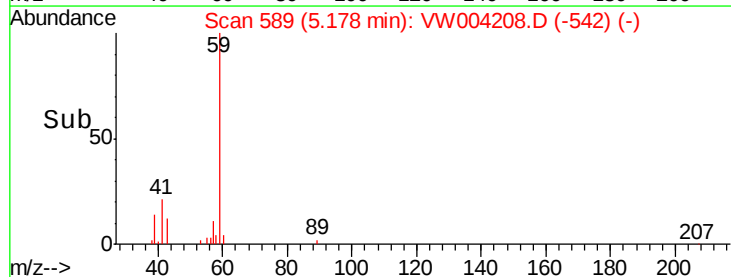
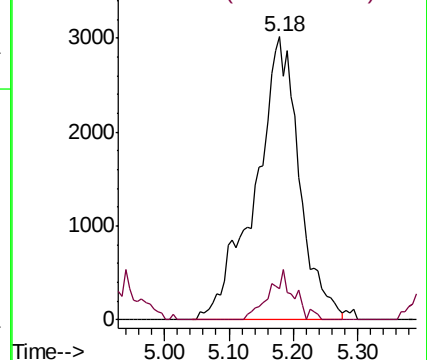
59 100

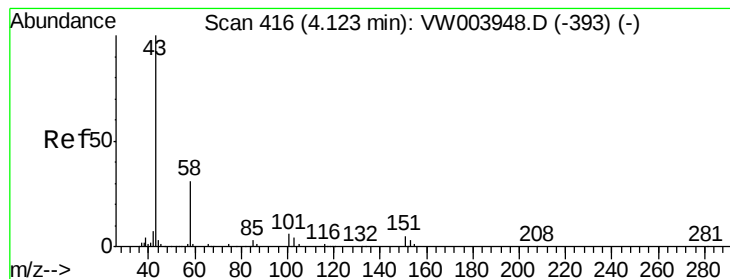
57 9.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 314.72 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampleId :

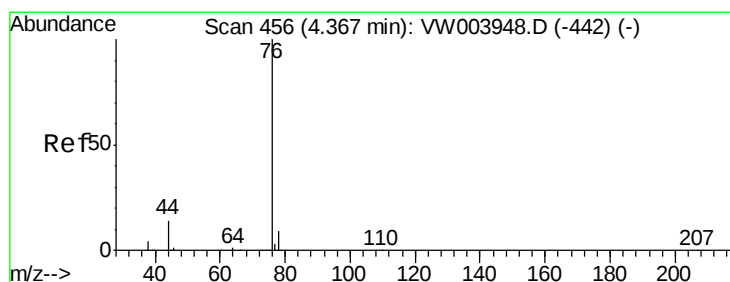
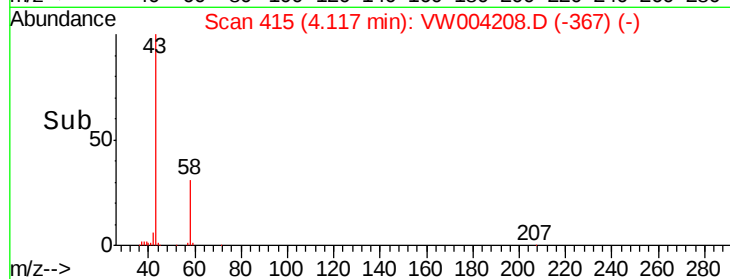
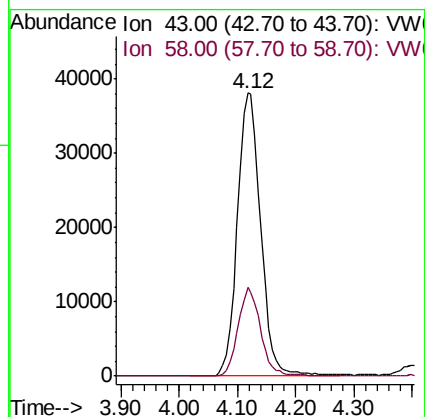
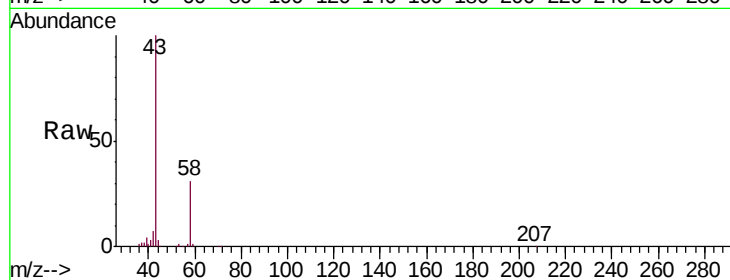
DW-6

Tot Ion: 43 Resp: 105984

Ion Ratio Lower Upper

43 100

58 31.3 24.5 36.7



#17

Carbon Disulfide

Concen: 11.47 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004208.D

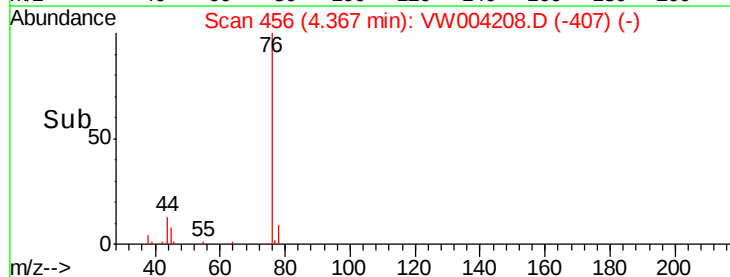
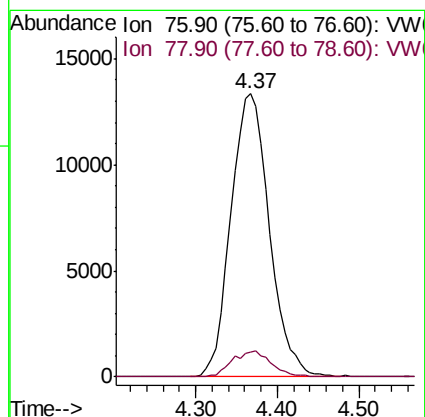
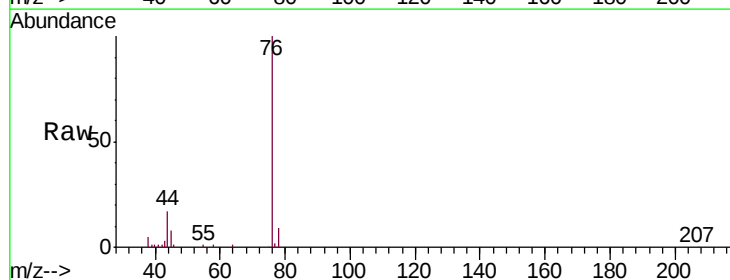
Acq: 25 Jul 2018 22:29

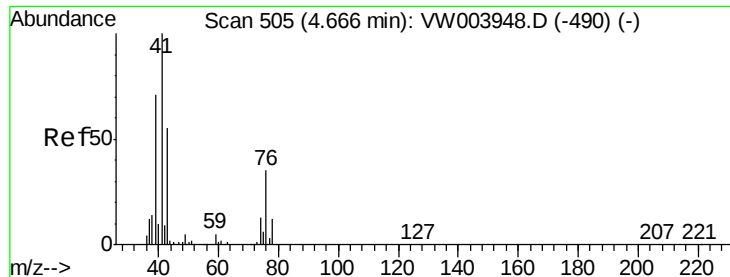
Tgt Ion: 76 Resp: 43610

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

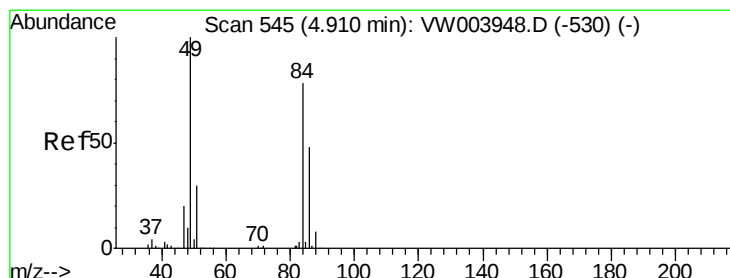
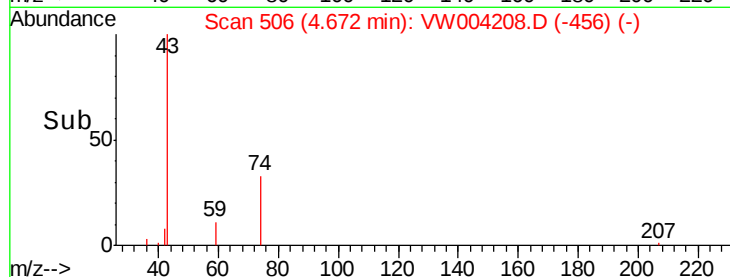
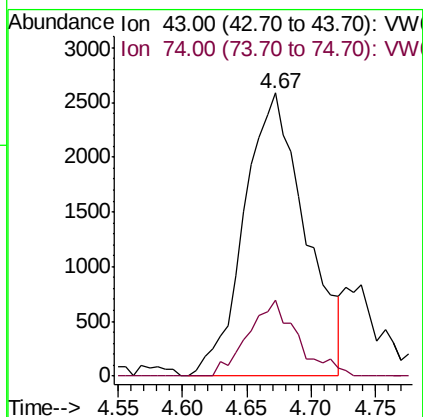
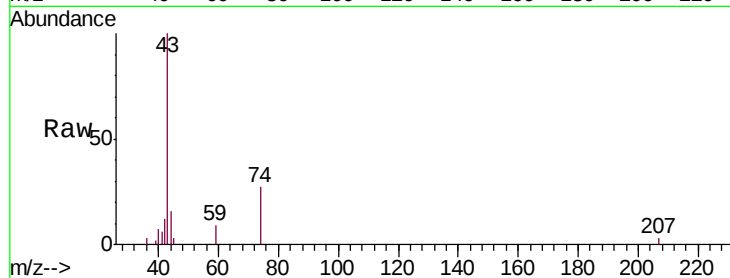




#18
Methyl Acetate
Concen: 10.59 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

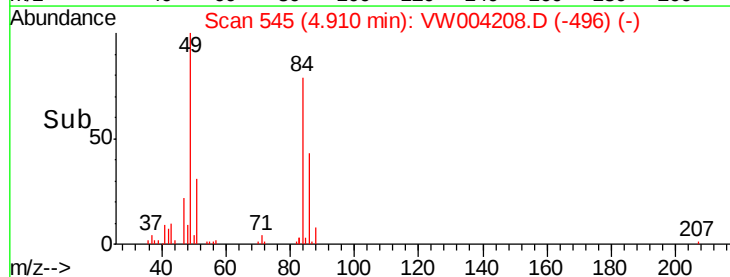
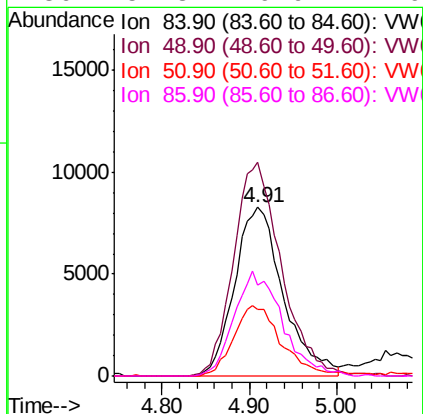
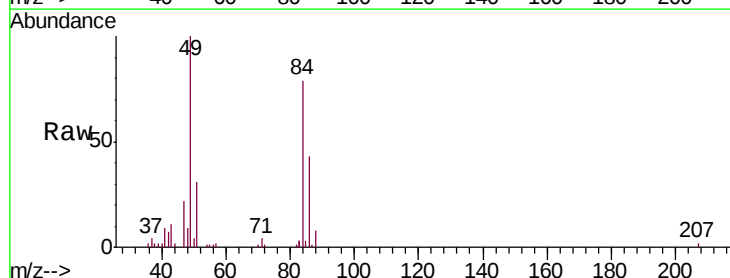
Instrument :
MSVOA_W
ClientSampleId :
DW-6

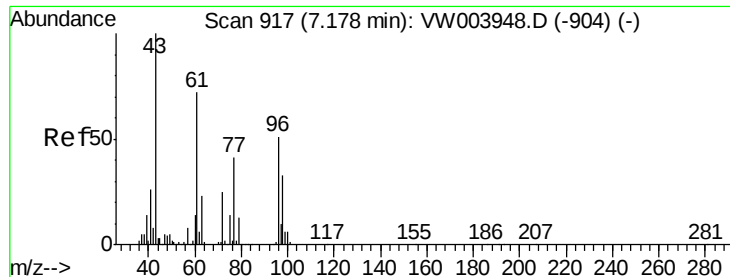
Tot Ion: 43 Resp: 8559
Ion Ratio Lower Upper
43 100
74 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 16.15 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

Tgt Ion: 84 Resp: 31923
Ion Ratio Lower Upper
84 100
49 126.8 102.9 154.3
51 39.7 30.9 46.3
86 54.3 49.9 74.9





#25

2-Butanone

Concen: 106.87 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampled :

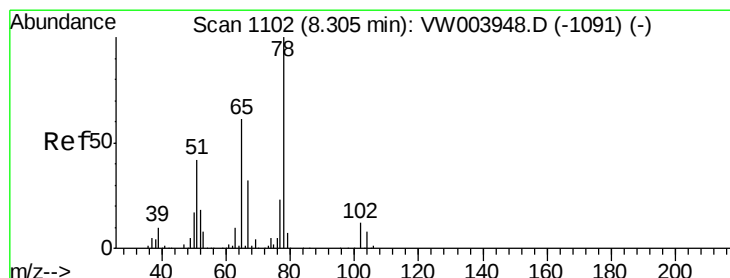
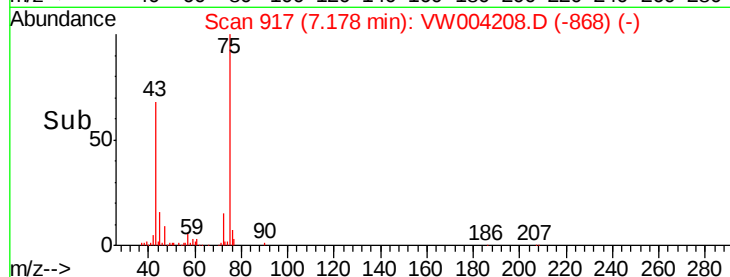
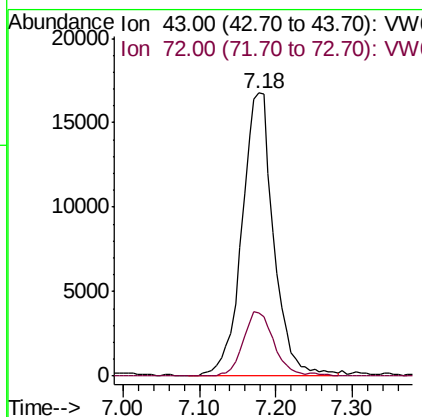
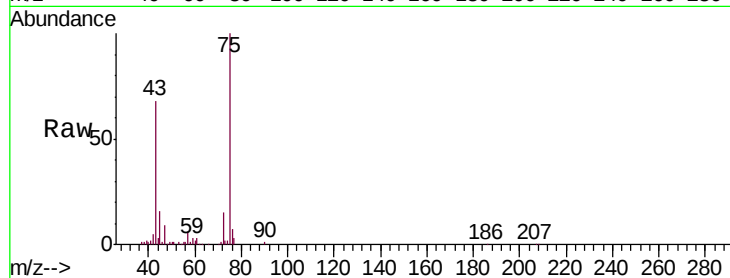
DW-6

Tot Ion: 43 Resp: 48429

Ion Ratio Lower Upper

43 100

72 22.4 19.8 29.6



#33

1,2-Dichloroethane-d4

Concen: 50.61 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW004208.D

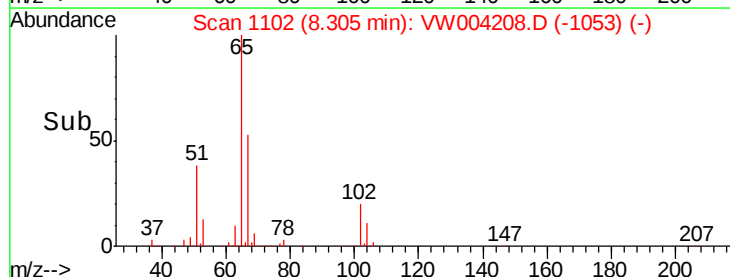
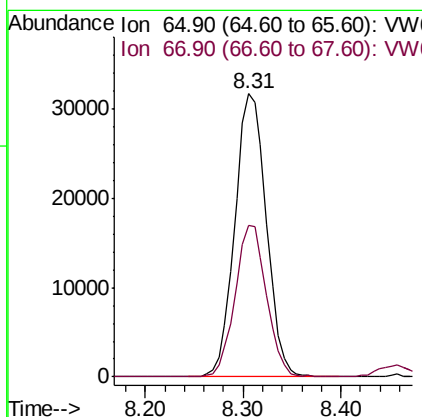
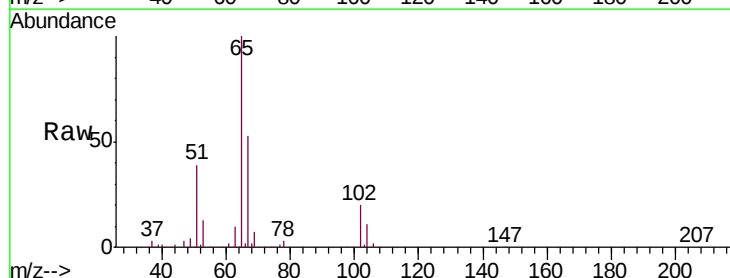
Acq: 25 Jul 2018 22:29

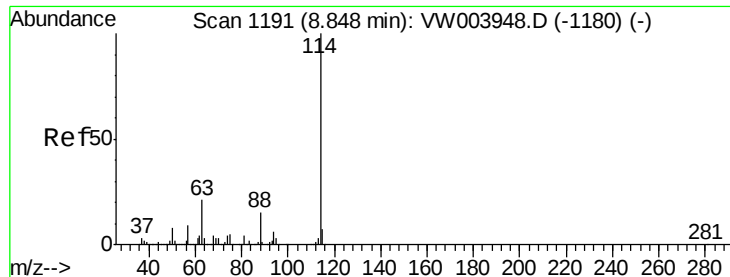
Tgt Ion: 65 Resp: 70928

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.0

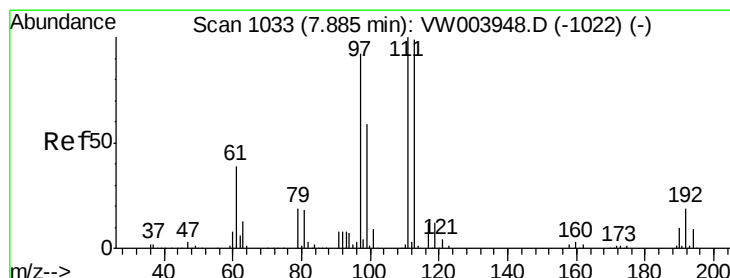
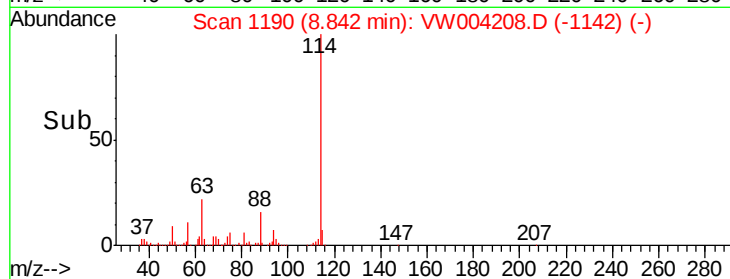
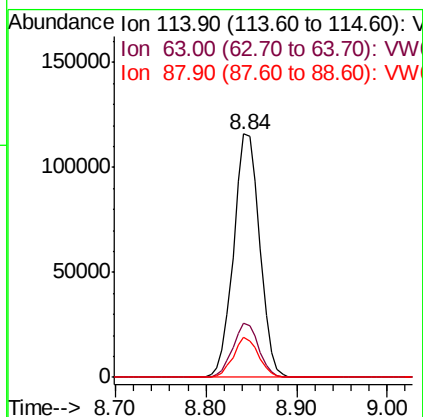
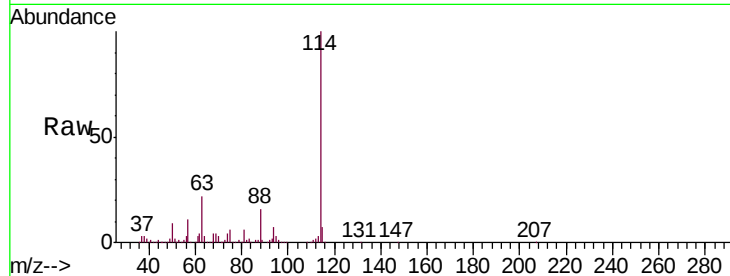




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW004208.D
 Acq: 25 Jul 2018 22:29

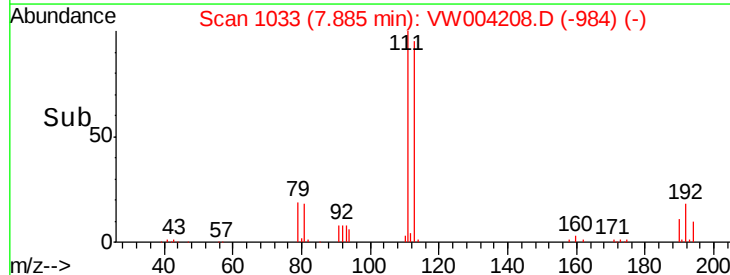
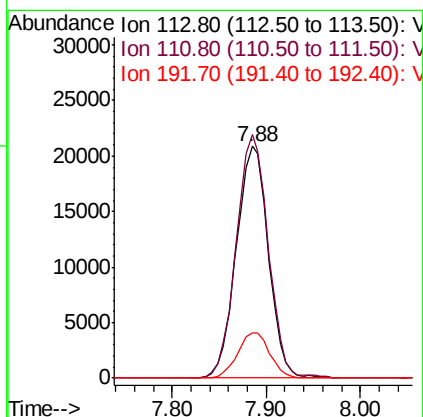
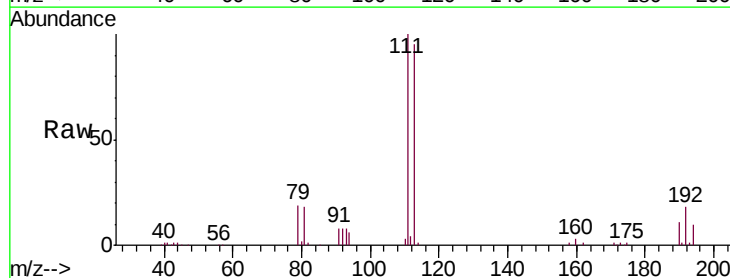
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-6

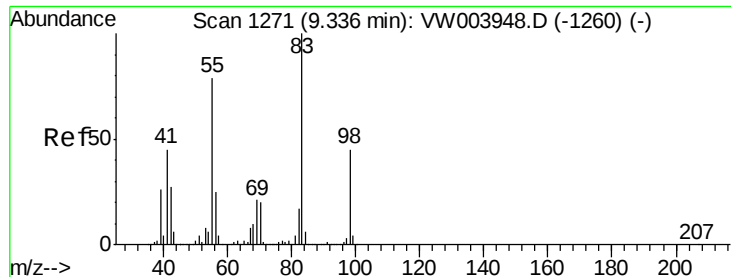
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.8
88	16.4	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 33.26 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004208.D
 Acq: 25 Jul 2018 22:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.3	121.9
192	19.6	15.8	23.6

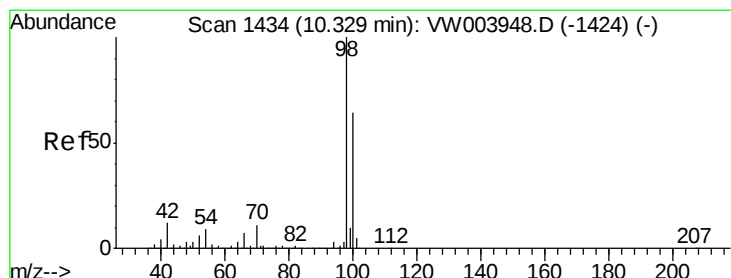
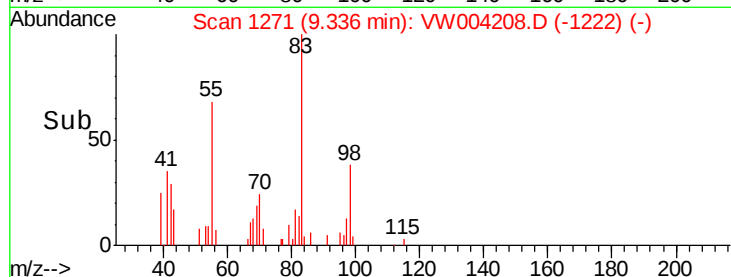
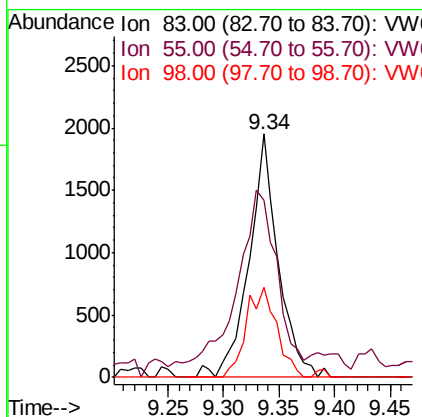
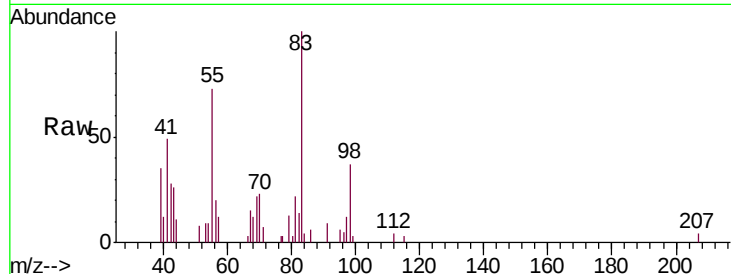




#39
Methylcyclohexane
Concen: 1.28 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

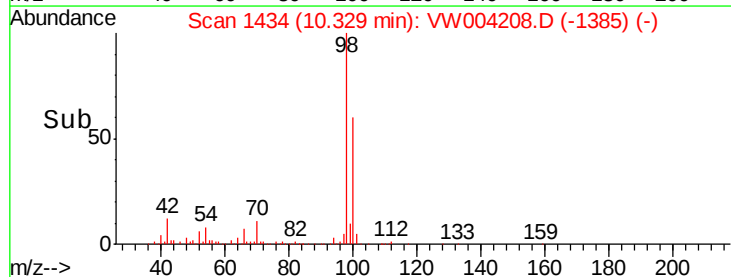
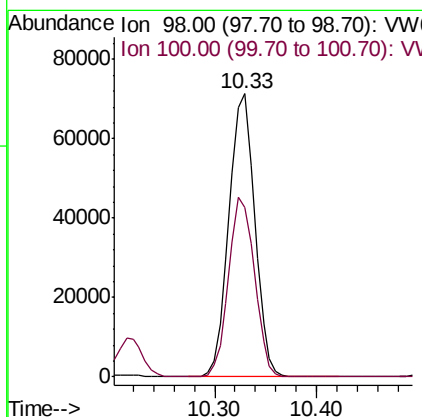
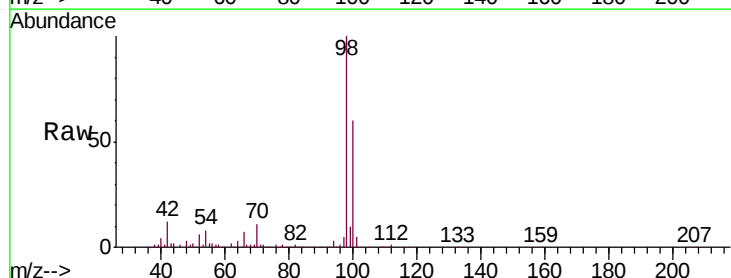
Instrument :
MSVOA_W
ClientSampled :
DW-6

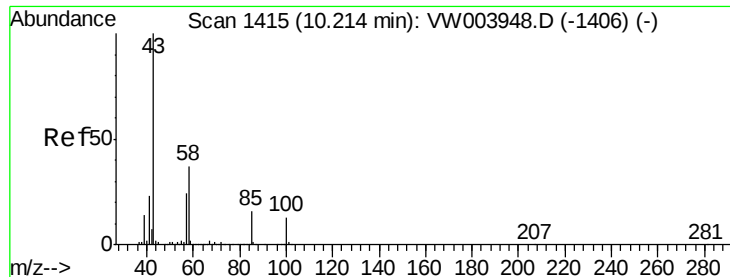
Tot Ion: 83 Resp: 3570
Ion Ratio Lower Upper
83 100
55 66.3 62.8 94.2
98 36.9 36.2 54.4



#50
Toluene-d8
Concen: 21.75 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

Tgt Ion: 98 Resp: 125259
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 116.94 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampled :

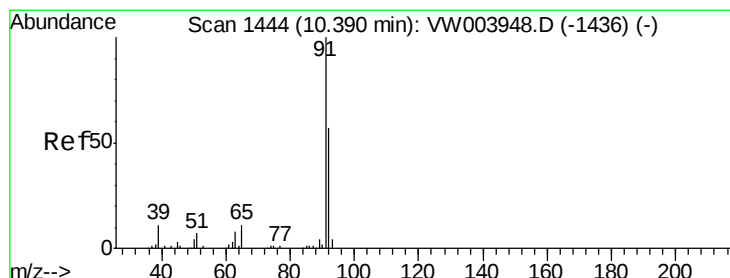
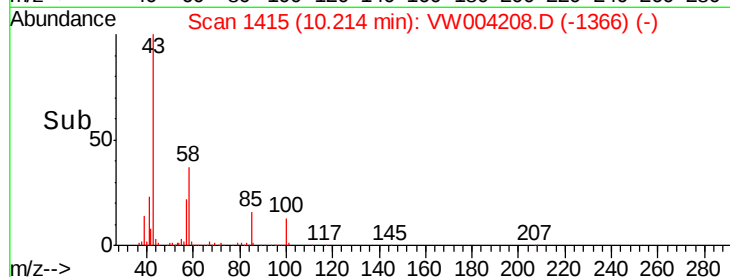
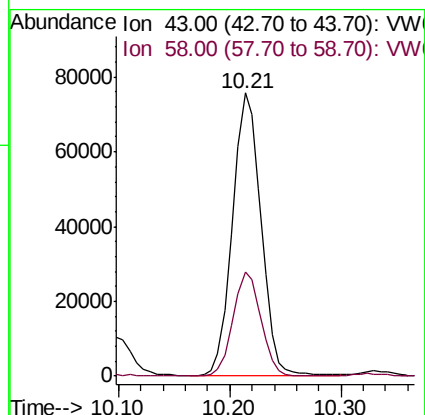
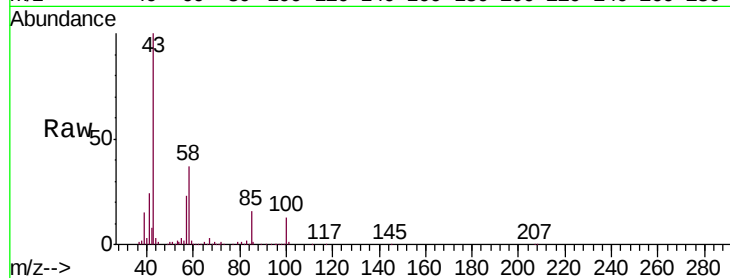
DW-6

Tot Ion: 43 Resp: 133755

Ion Ratio Lower Upper

43 100

58 36.3 29.9 44.9



#52

Toluene

Concen: 2.23 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004208.D

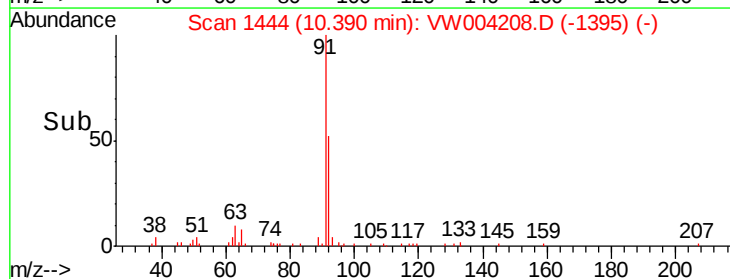
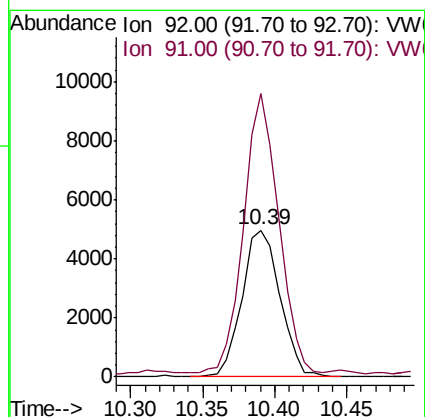
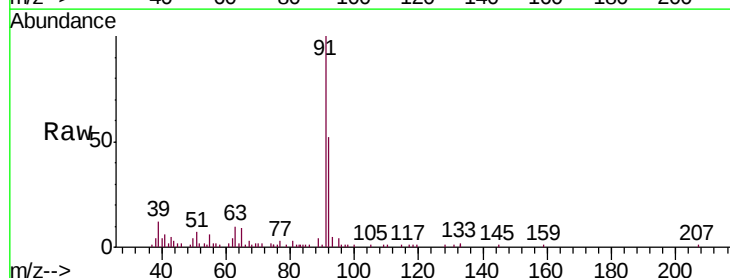
Acq: 25 Jul 2018 22:29

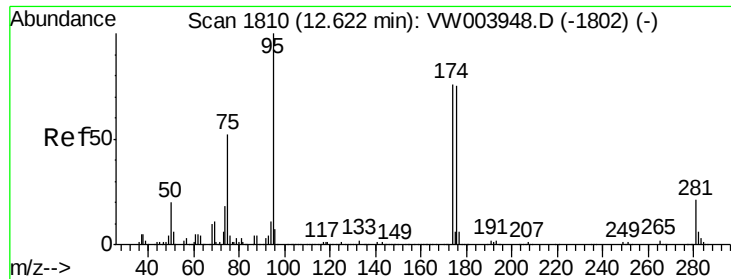
Tgt Ion: 92 Resp: 9111

Ion Ratio Lower Upper

92 100

91 174.6 139.6 209.4

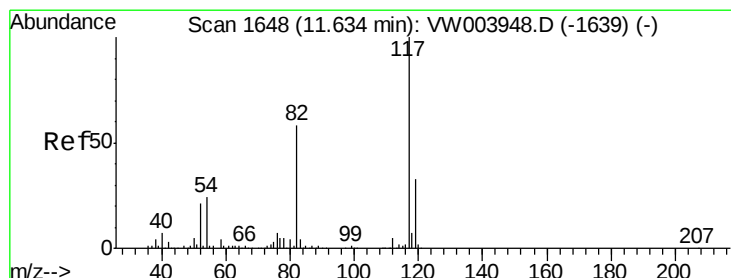
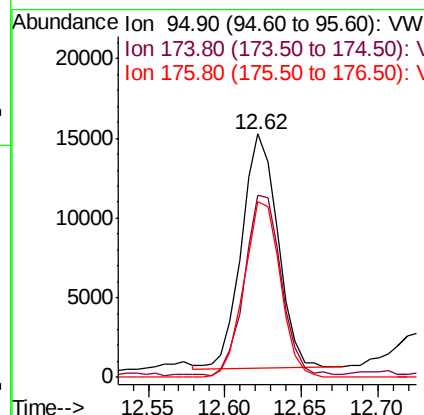
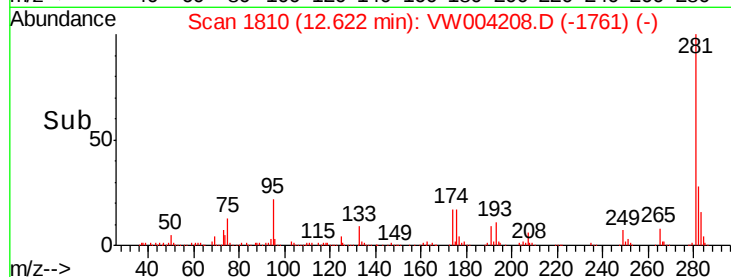
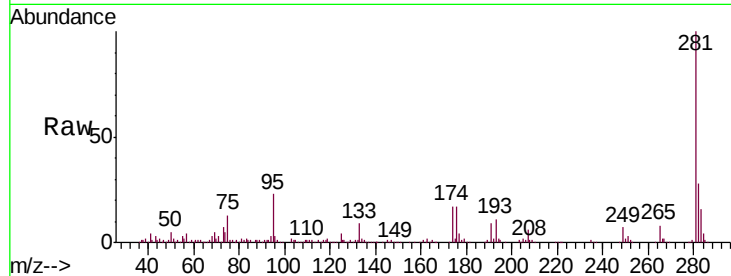




#62
4-Bromofluorobenzene
Concen: 11.63 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

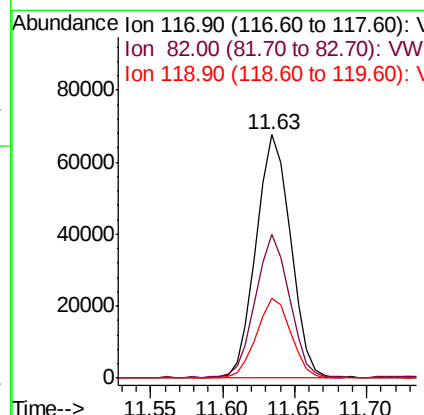
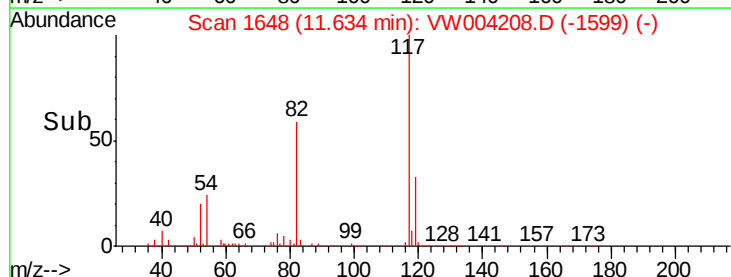
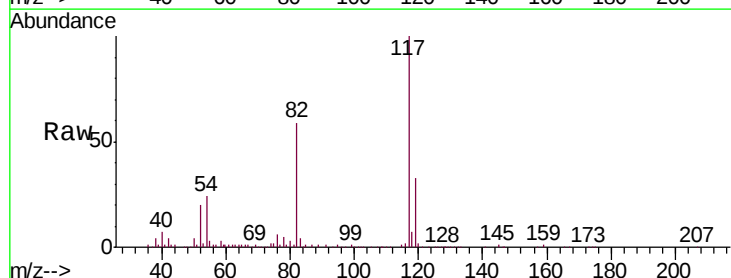
Instrument :
MSVOA_W
ClientSampled :
DW-6

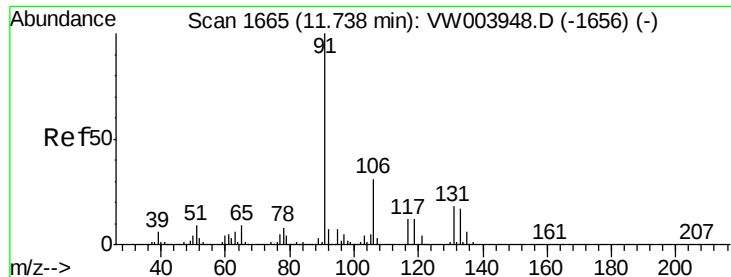
Tot Ion: 95 Resp: 24146
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.2
176 75.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

Tgt Ion: 117 Resp: 111568
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 32.8 26.2 39.2

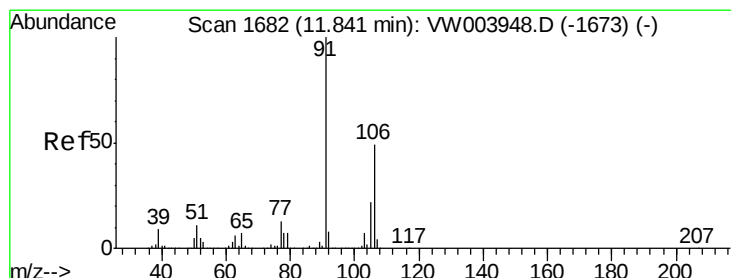
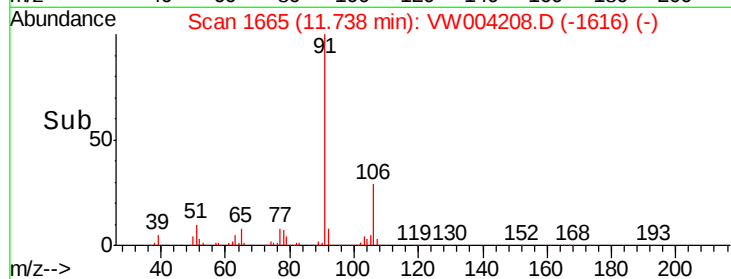
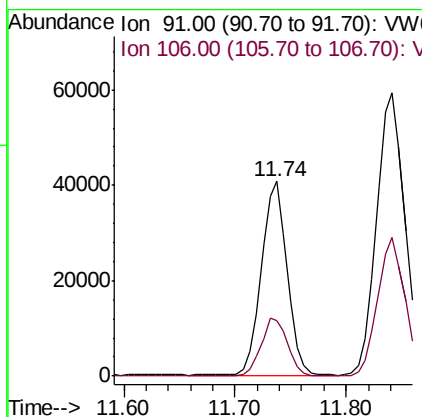
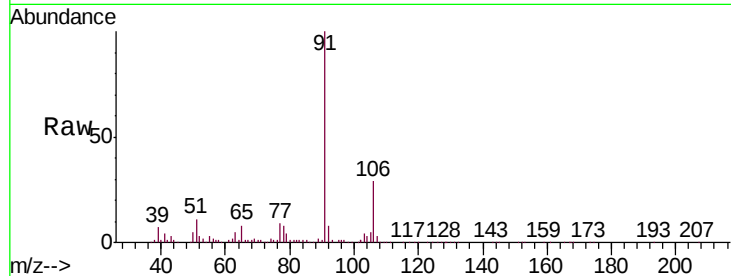




#67
Ethyl Benzene
Concen: 15.66 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

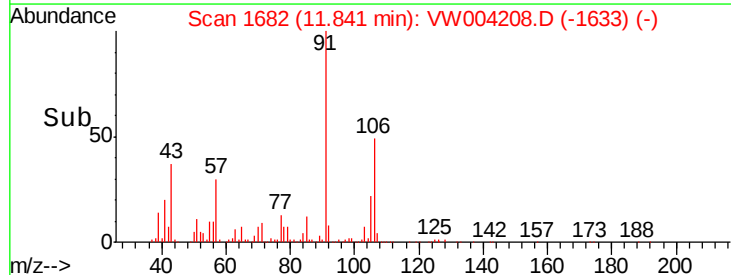
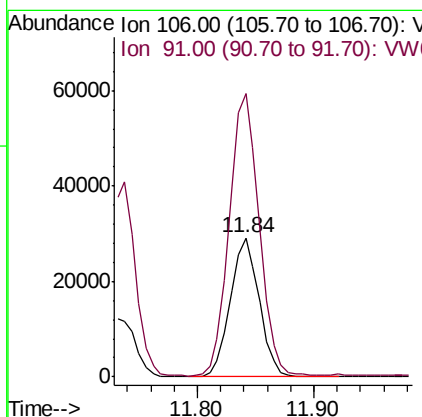
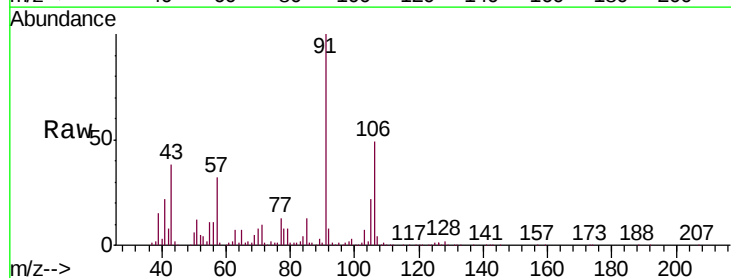
Instrument :
MSVOA_W
ClientSampled :
DW-6

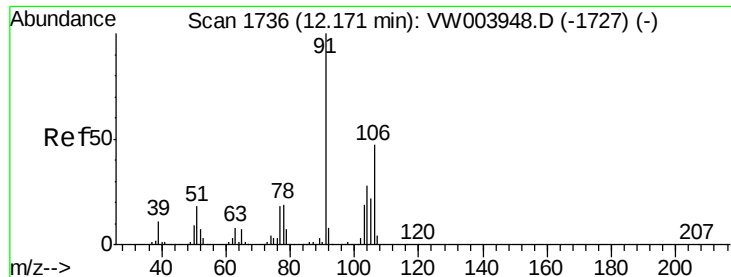
Tot Ion: 91 Resp: 65254
Ion Ratio Lower Upper
91 100
106 28.7 25.0 37.4



#68
m/p-Xylenes
Concen: 31.75 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

Tgt Ion: 106 Resp: 50567
Ion Ratio Lower Upper
106 100
91 208.5 164.2 246.2

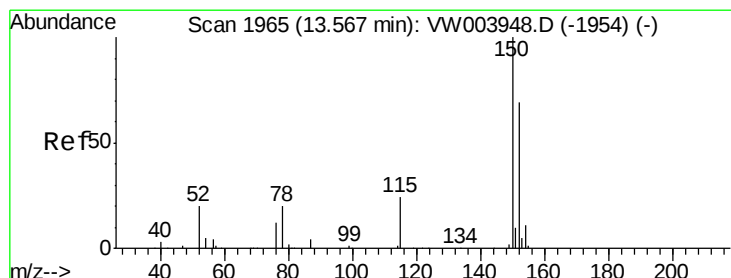
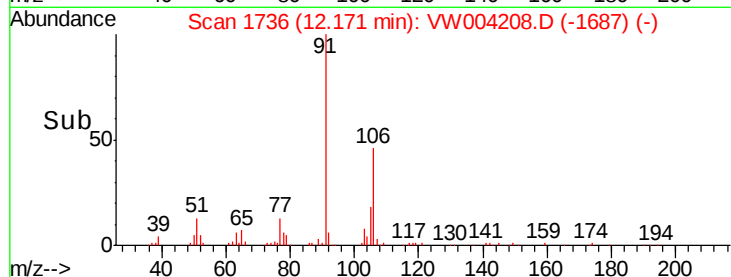
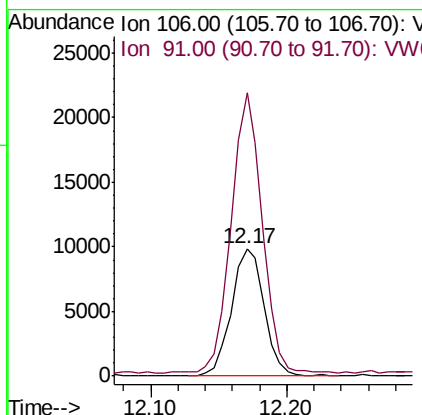
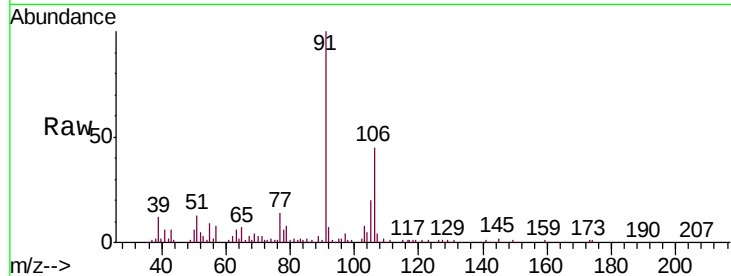




#69
o-Xylene
Concen: 11.18 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

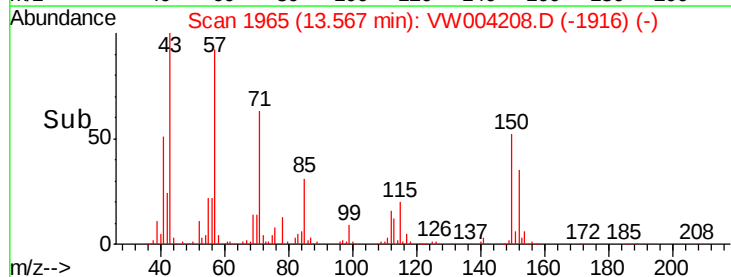
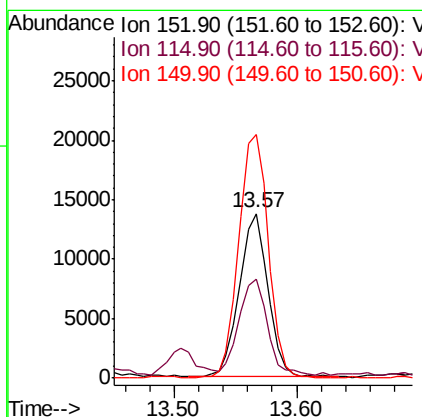
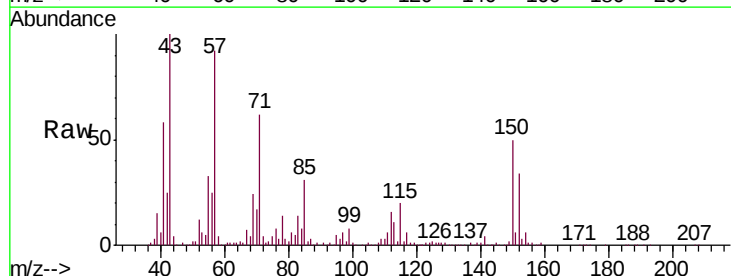
Instrument :
MSVOA_W
ClientSampled :
DW-6

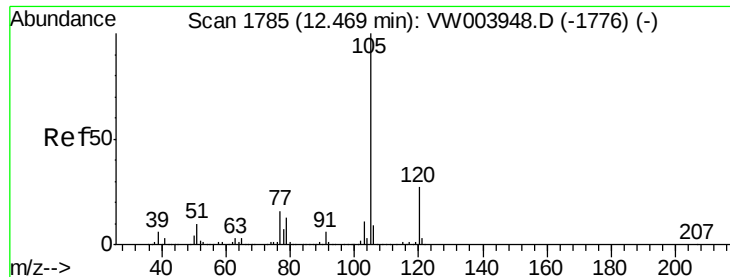
Tot Ion:106 Resp: 16523
Ion Ratio Lower Upper
106 100
91 208.3 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004208.D
Acq: 25 Jul 2018 22:29

Tgt Ion:152 Resp: 22300
Ion Ratio Lower Upper
152 100
115 58.7 29.2 87.6
150 154.1 0.0 345.2





#73

Isopropylbenzene

Concen: 4.99 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampled :

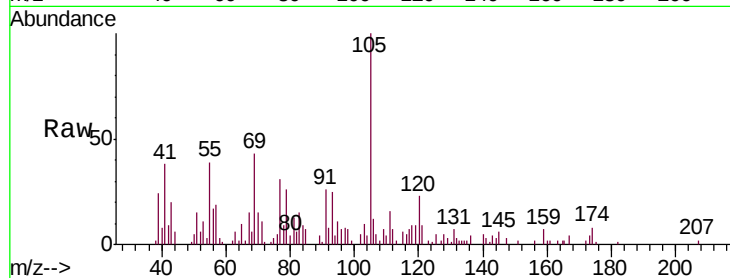
DW-6

Tot Ion: 105 Resp: 7860

Ion Ratio Lower Upper

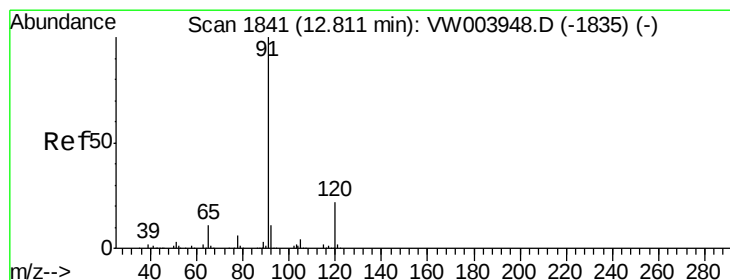
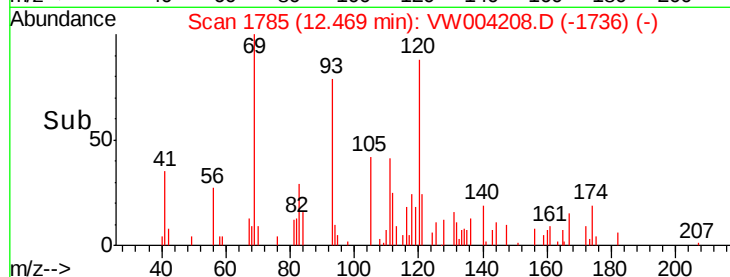
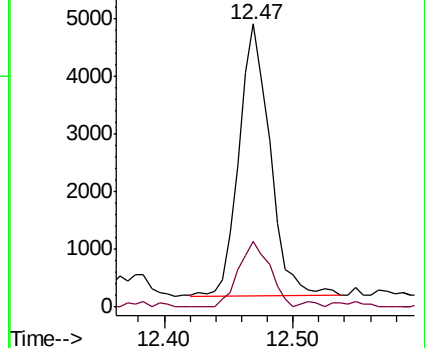
105 100

120 24.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.04 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004208.D

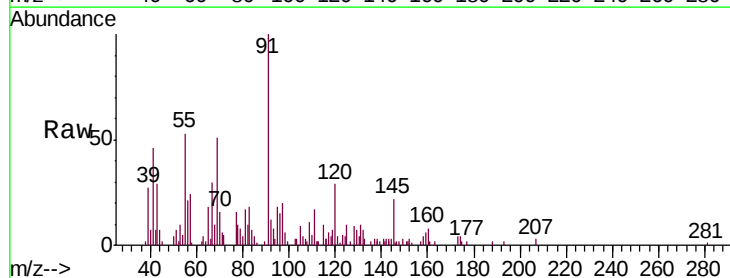
Acq: 25 Jul 2018 22:29

Tgt Ion: 91 Resp: 5871

Ion Ratio Lower Upper

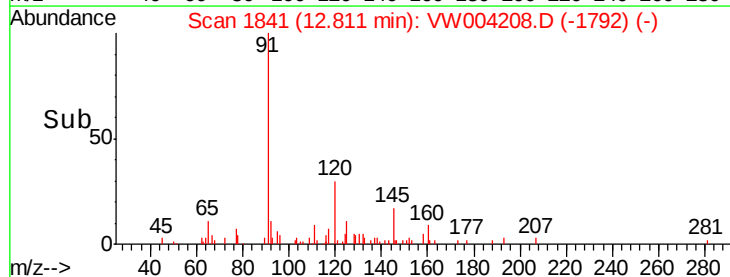
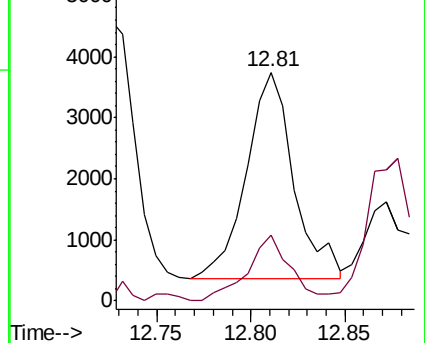
91 100

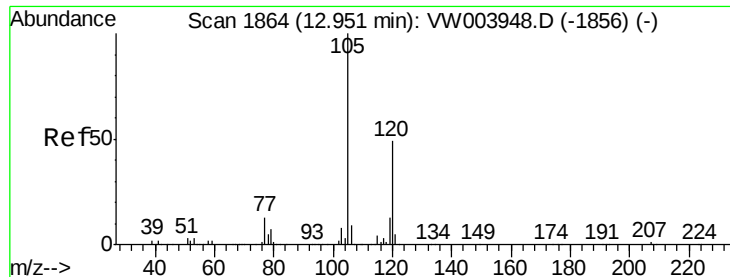
120 28.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 7.57 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampleId :

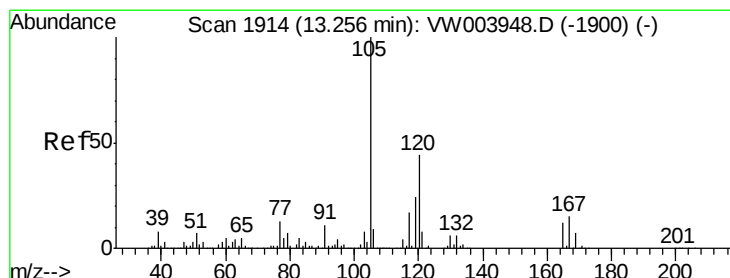
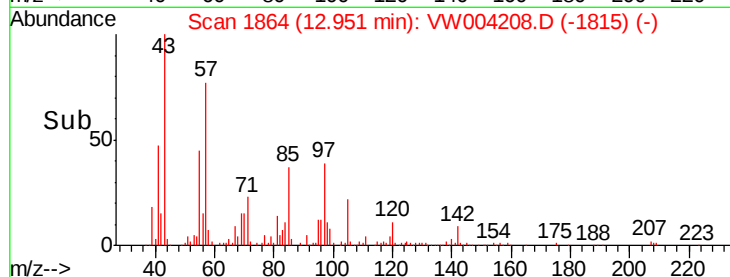
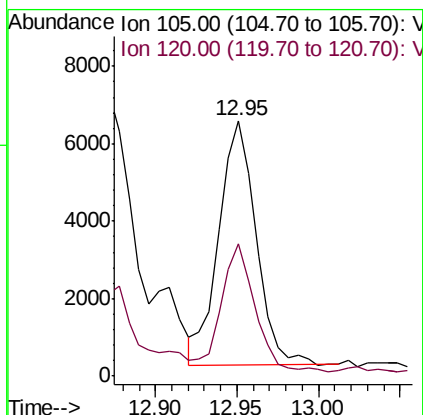
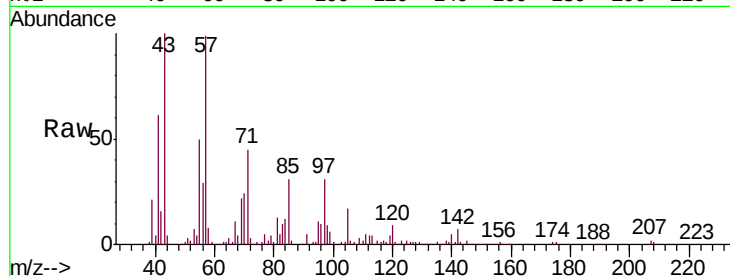
DW-6

Tot Ion:105 Resp: 10035

Ion Ratio Lower Upper

105 100

120 51.5 24.4 73.2



#84

1,2,4-Trimethylbenzene

Concen: 15.32 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004208.D

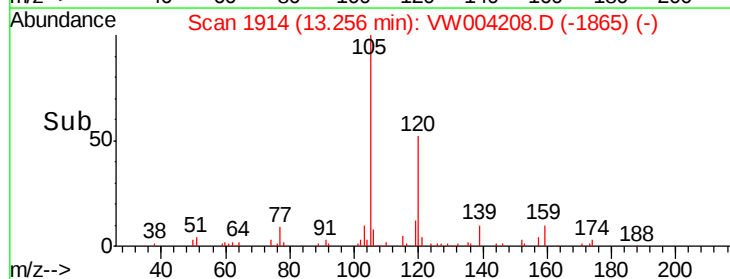
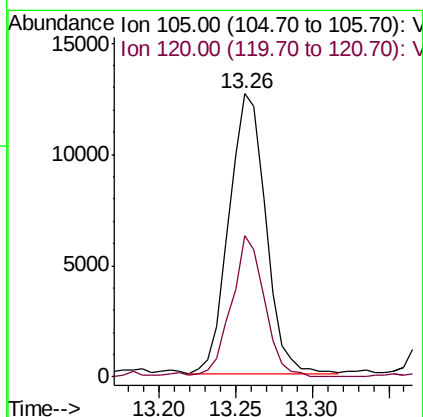
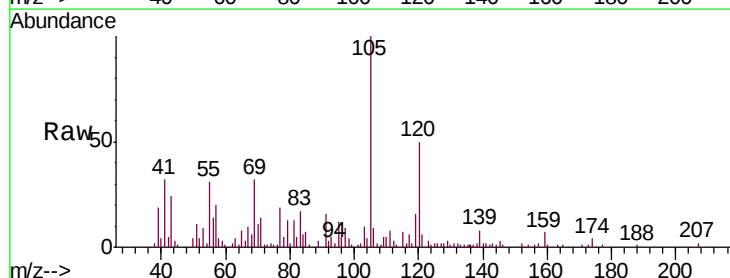
Acq: 25 Jul 2018 22:29

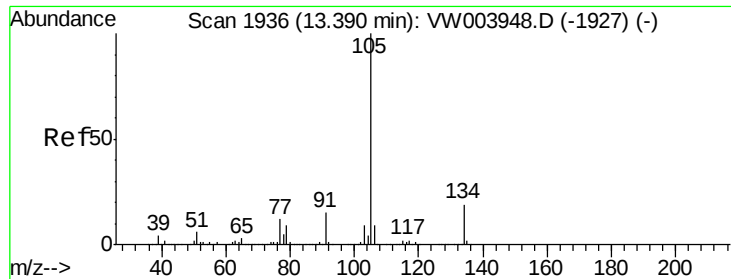
Tgt Ion:105 Resp: 20907

Ion Ratio Lower Upper

105 100

120 45.4 22.1 66.1

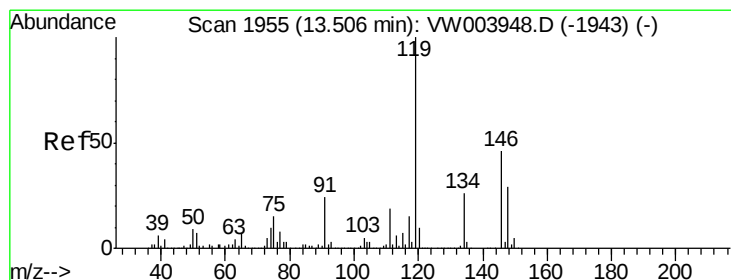
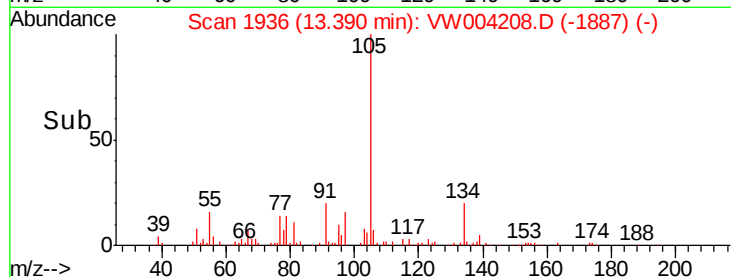
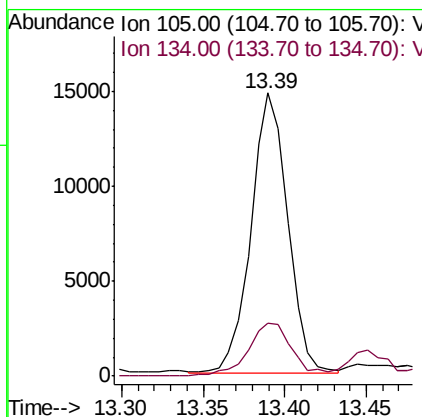
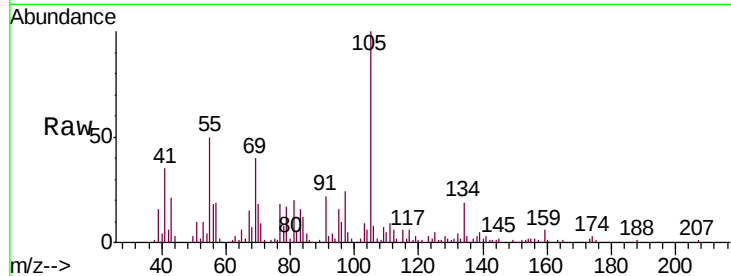




#85
 sec-Butylbenzene
 Concen: 13.97 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004208.D
 Acq: 25 Jul 2018 22:29

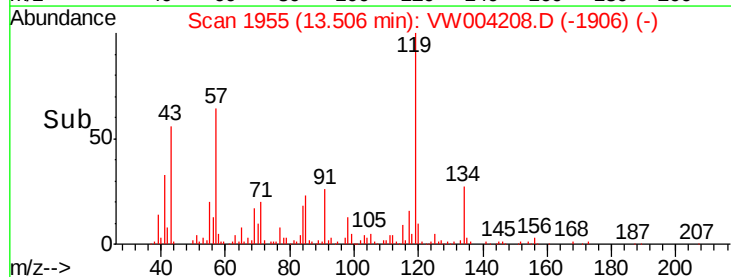
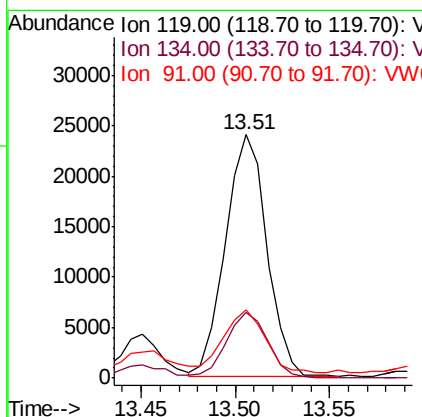
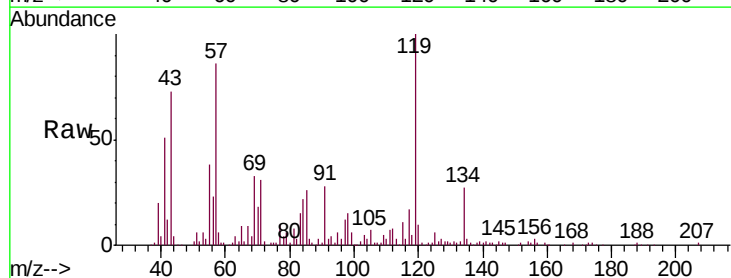
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-6

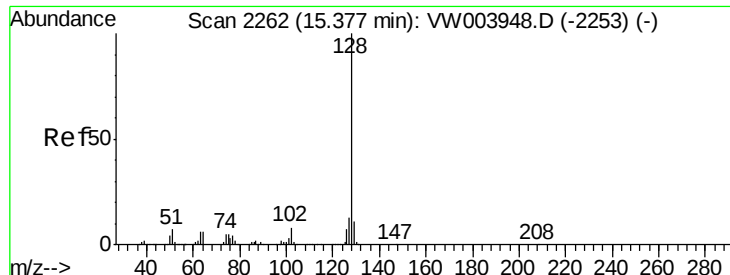
Tot Ion:105 Resp: 23079
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 25.21 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004208.D
 Acq: 25 Jul 2018 22:29

Tgt Ion:119 Resp: 36534
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.0 38.9
 91 26.4 11.8 35.3





#95

Naphthalene

Concen: 30.48 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004208.D

Acq: 25 Jul 2018 22:29

Instrument :

MSVOA_W

ClientSampleId :

DW-6

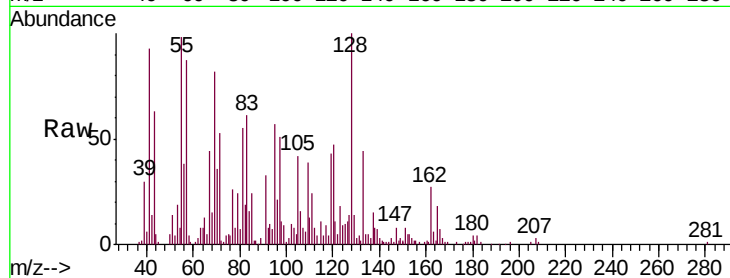
Tot Ion:128 Resp: 26508

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 14.8 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

