

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004006.D
 Acq On : 18 Jul 2018 02:35
 Operator : VA/AP
 Sample : J3545-02RE
 Misc : 5.17G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-3RE

Quant Time: Jul 18 04:53:42 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	168747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	308855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105452	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	124941	66.24	ug/l	0.00
Spiked Amount			Recovery	=	132.48%	
35) Dibromofluoromethane	7.88	113	106595	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.33	98	355668	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.63	95	110361	39.80	ug/l	0.00
Spiked Amount			Recovery	=	79.60%	

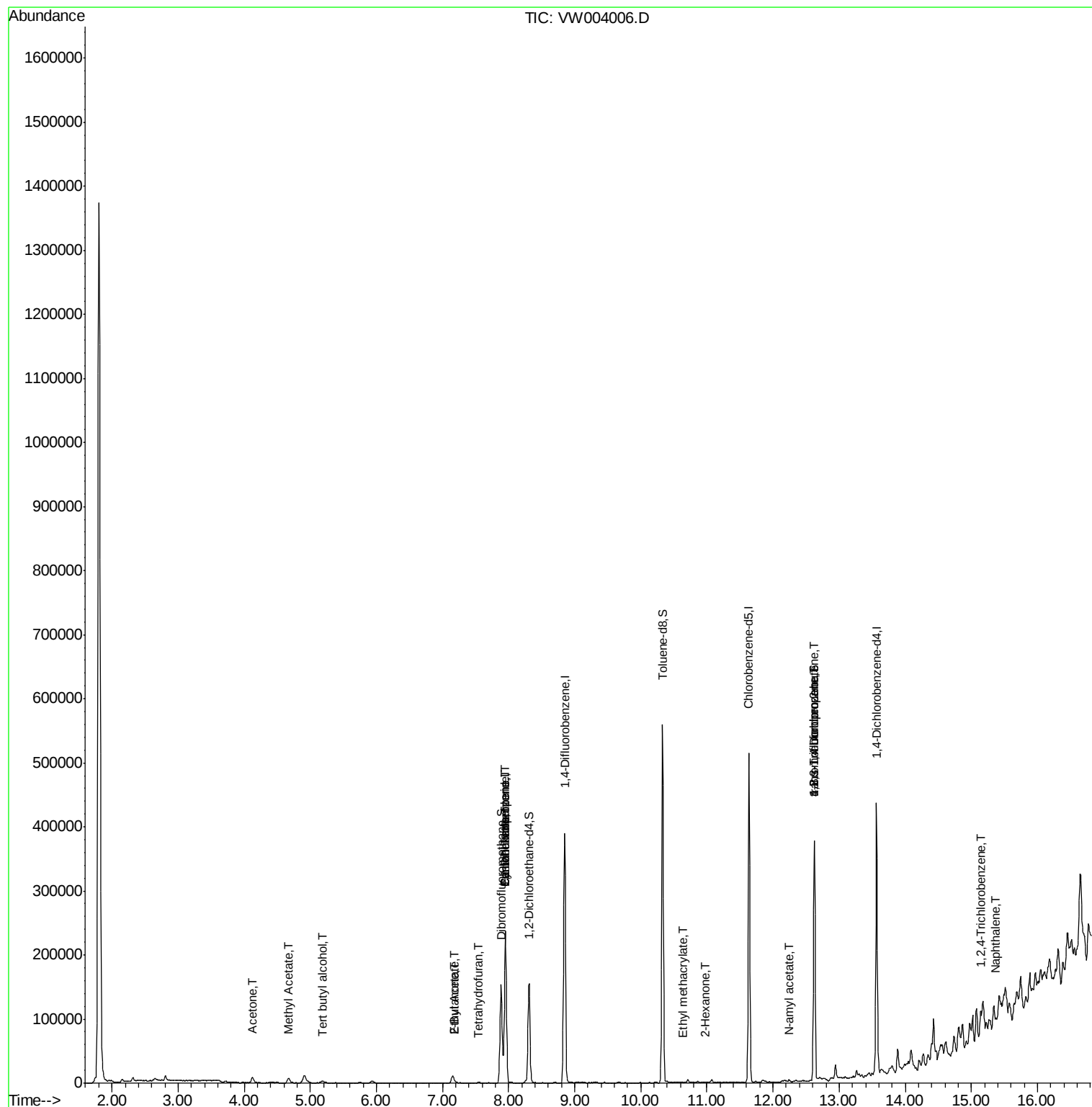
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	4897	37.608	ug/l #	80
16) Acetone	4.12	43	14317	31.586	ug/l	97
18) Methyl Acetate	4.67	43	13121	12.059	ug/l	95
20) Methylene Chloride	4.92	84	9651	Below Cal		85
25) 2-Butanone	7.18	43	3646	5.977	ug/l #	90
29) Tetrahydrofuran	7.54	42	381	1.003	ug/l #	55
31) Cyclohexane	7.95	56	4087	1.306	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14713	4.630	ug/l #	49
37) Ethyl Acetate	7.18	43	3646	2.379	ug/l #	70
38) Carbon Tetrachloride	7.95	117	17408	5.863	ug/l #	17
56) Ethyl methacrylate	10.65	69	84	2.980	ug/l #	22
59) 2-Hexanone	10.98	43	1096	1.018	ug/l	73
74) N-amyl acetate	12.24	43	2007	1.034	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	60713	57.993	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60713	128.280	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.15	180	4799	2.154	ug/l #	29
95) Naphthalene	15.38	128	16586	4.033	ug/l #	92

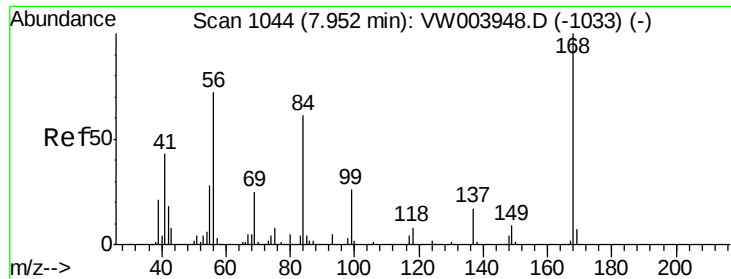
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071718\
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

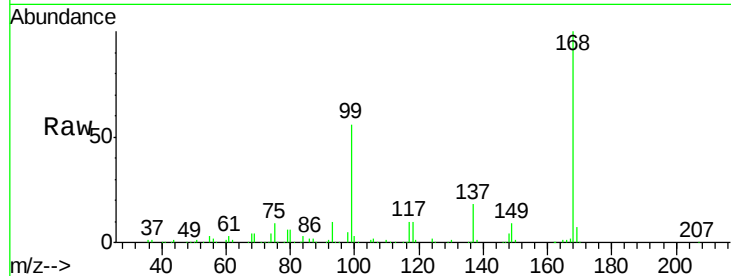
DRUM-3RE

Tot Ion:168 Resp: 168747

Ion Ratio Lower Upper

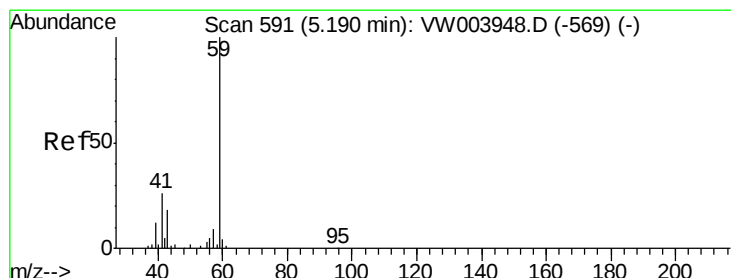
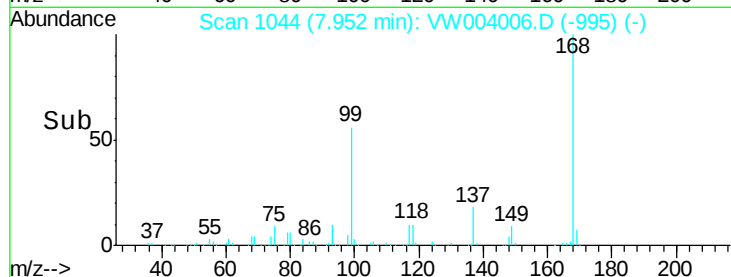
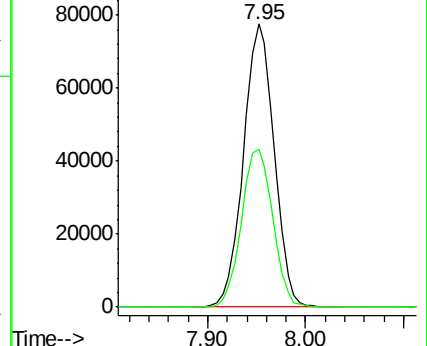
168 100

99 55.8 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: 37.608 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004006.D

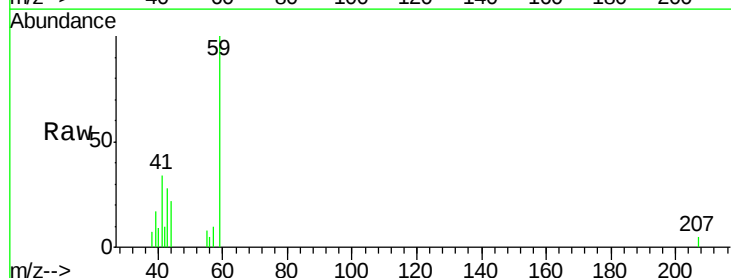
Acq: 18 Jul 2018 02:35

Tgt Ion: 59 Resp: 4897

Ion Ratio Lower Upper

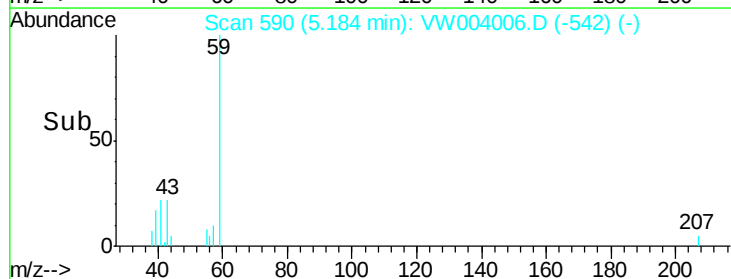
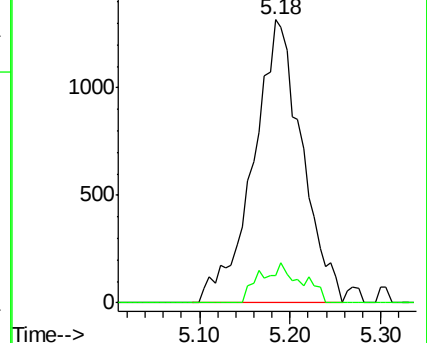
59 100

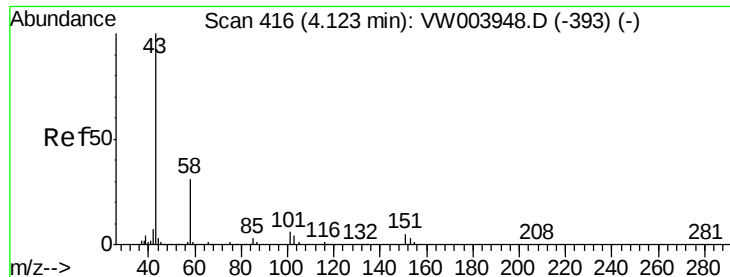
57 2.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 31.586 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampled :

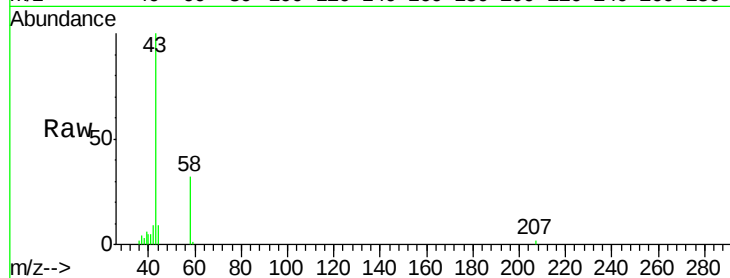
DRUM-3RE

Tot Ion: 43 Resp: 14317

Ion Ratio Lower Upper

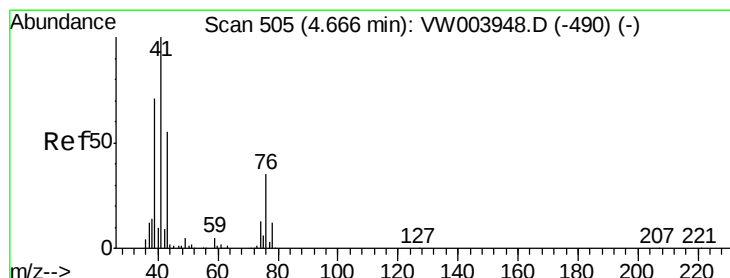
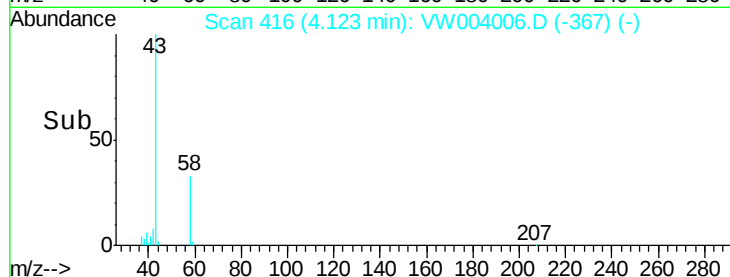
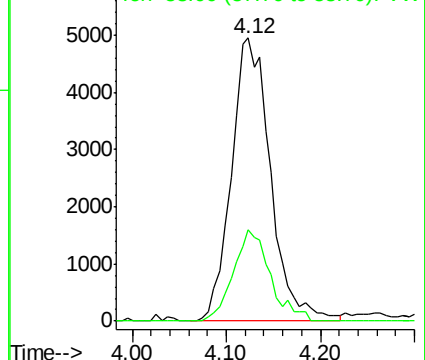
43 100

58 32.4 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 12.059 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004006.D

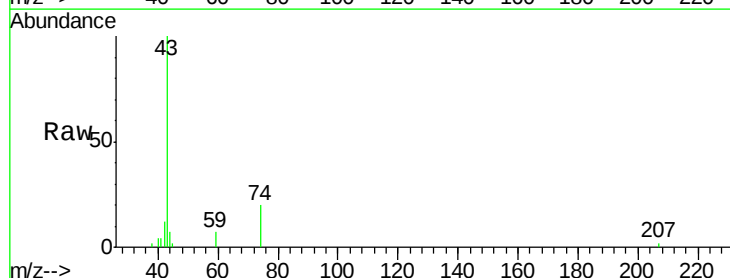
Acq: 18 Jul 2018 02:35

Tgt Ion: 43 Resp: 13121

Ion Ratio Lower Upper

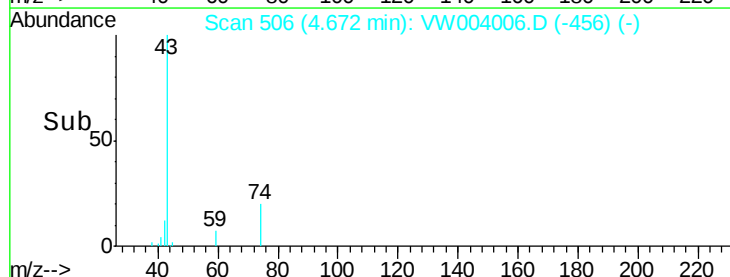
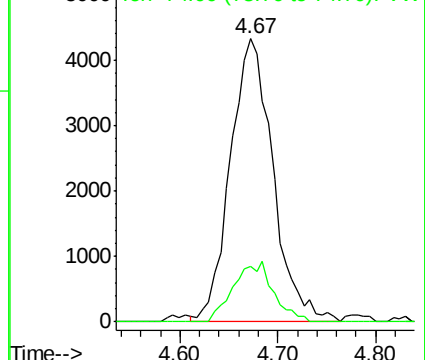
43 100

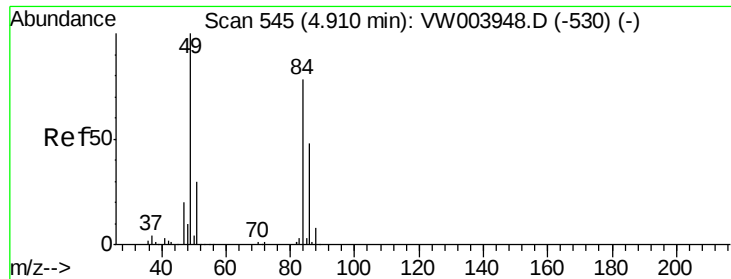
74 19.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

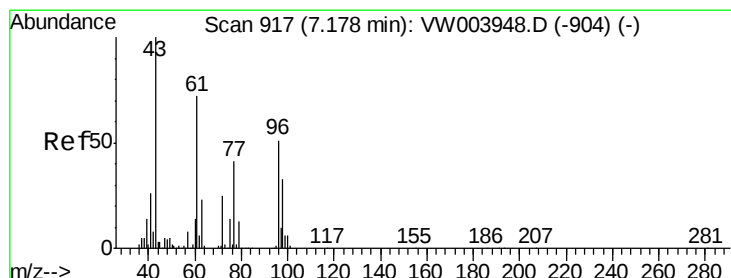
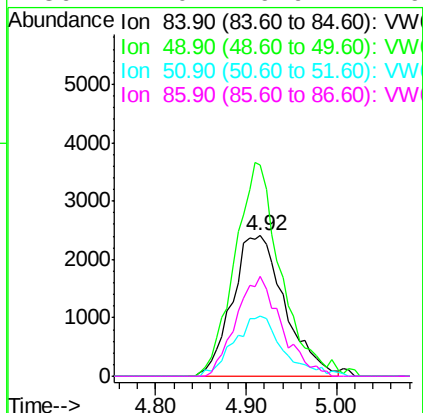
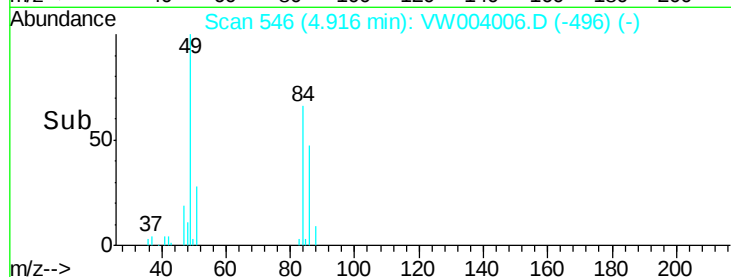
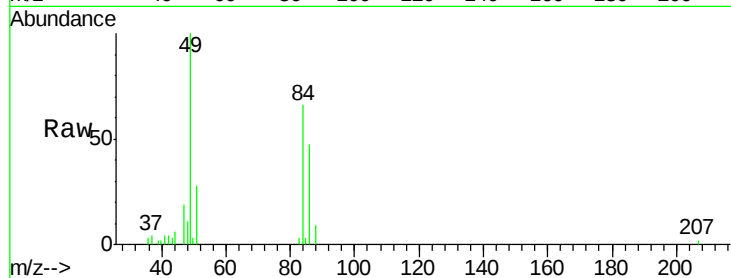




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

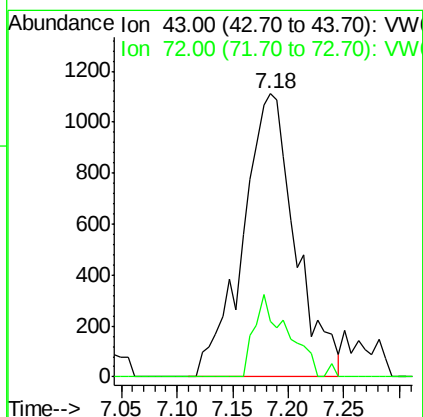
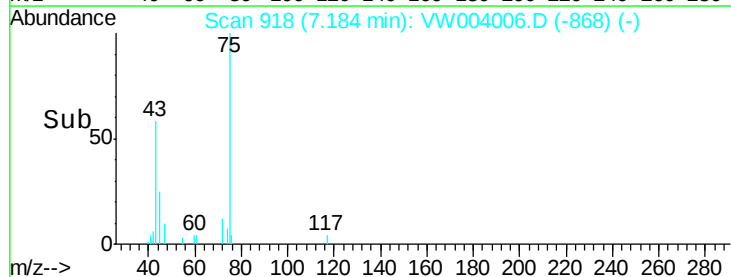
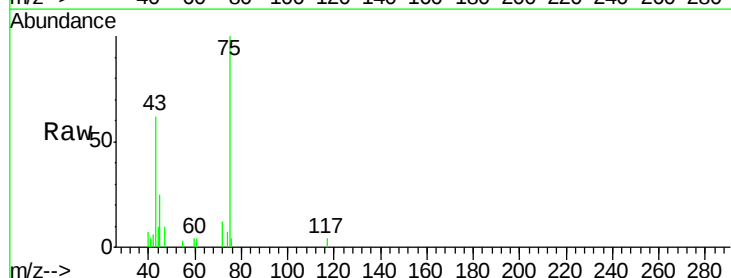
Instrument :
MSVOA_W
ClientSampled :
DRUM-3RE

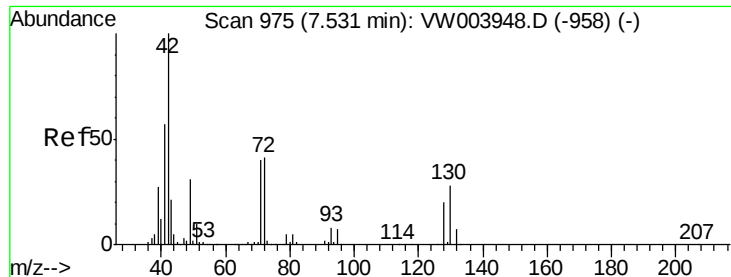
Tot Ion:	84	Resp:	9651
Ion	Ratio	Lower	Upper
84	100		
49	150.9	102.9	154.3
51	42.5	30.9	46.3
86	71.0	49.9	74.9



#25
2-Butanone
Concen: 5.977 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

Tgt Ion:	43	Resp:	3646
Ion	Ratio	Lower	Upper
43	100		
72	19.7	19.8	29.6#

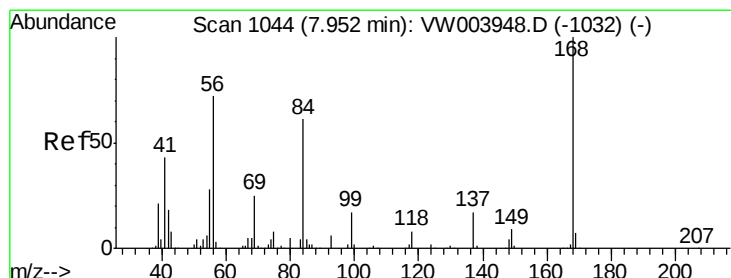
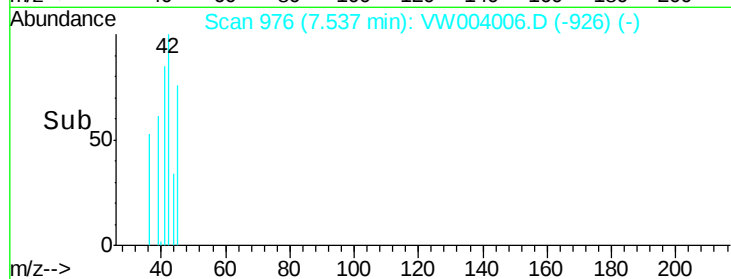
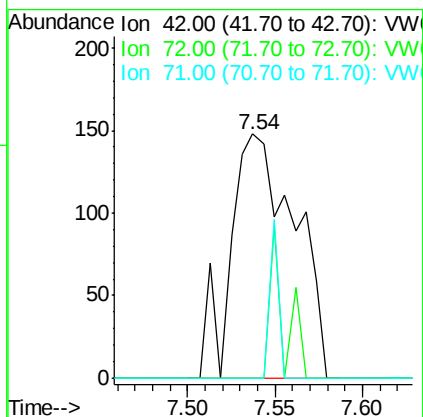
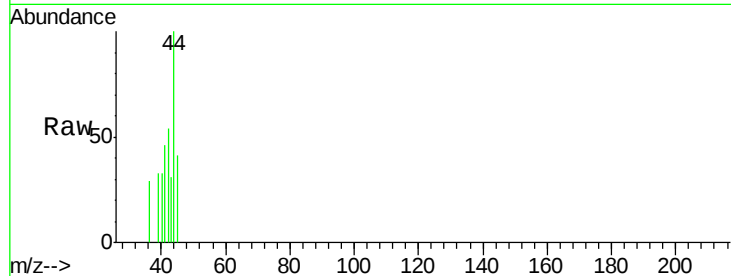




#29
Tetrahydrofuran
Concen: 1.003 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

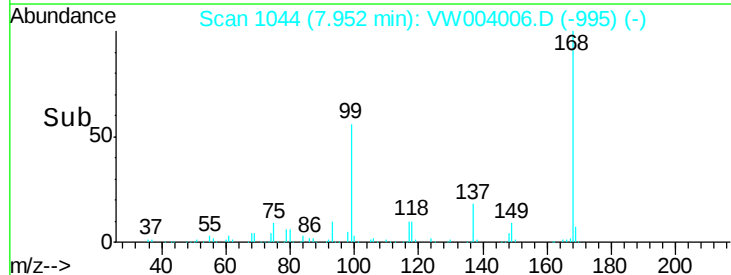
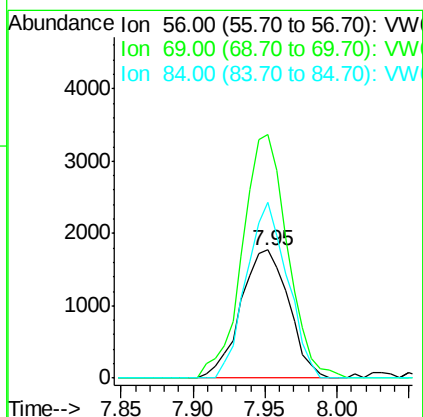
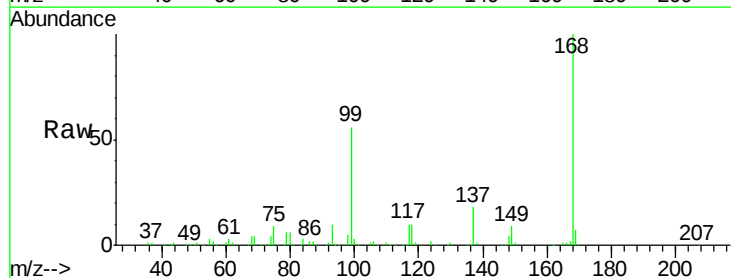
Instrument :
MSVOA_W
ClientSampleId :
DRUM-3RE

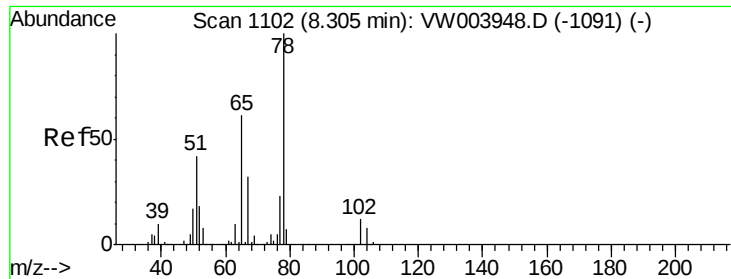
Tot Ion: 42 Resp: 381
Ion Ratio Lower Upper
42 100
72 14.2 32.6 48.8#
71 9.2 30.5 45.7#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

Tgt Ion: 56 Resp: 4087
Ion Ratio Lower Upper
56 100
69 190.0 27.8 41.8#
84 137.0 67.2 100.8#

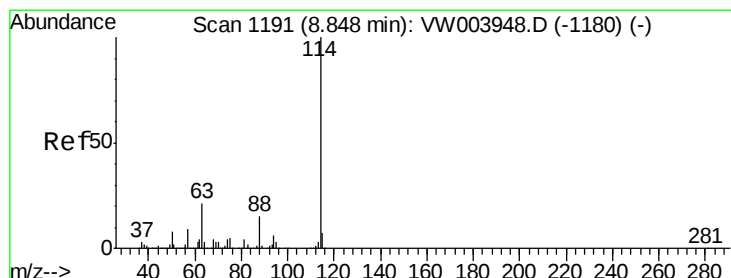
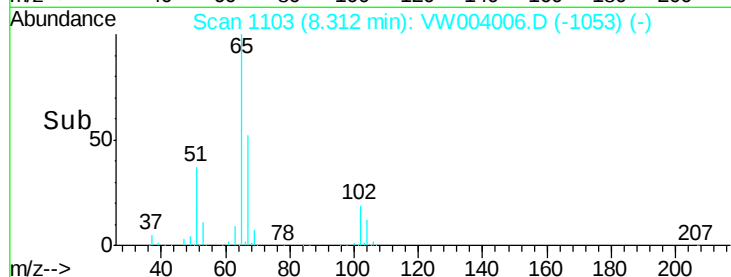
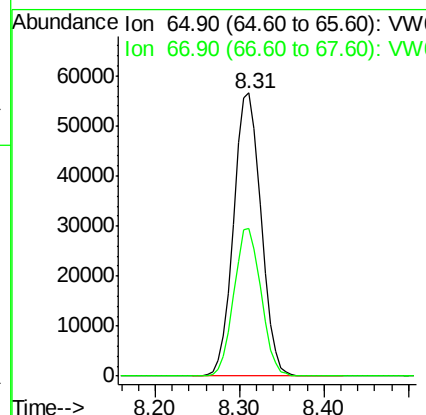
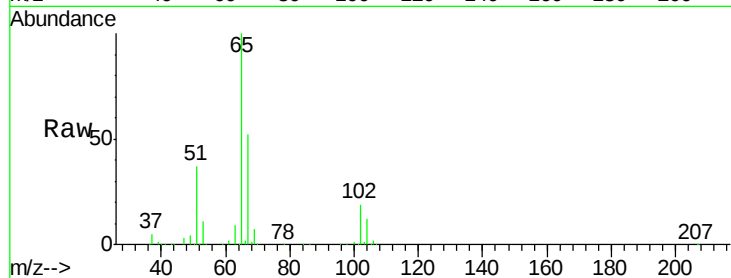




#33
 1,2-Dichloroethane-d4
 Concen: 66.238 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004006.D
 Acq: 18 Jul 2018 02:35

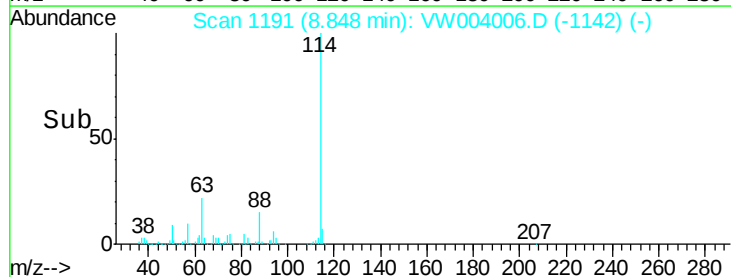
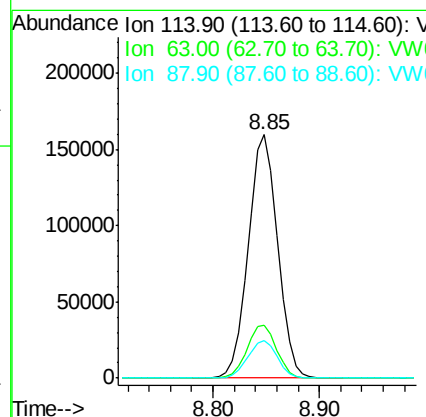
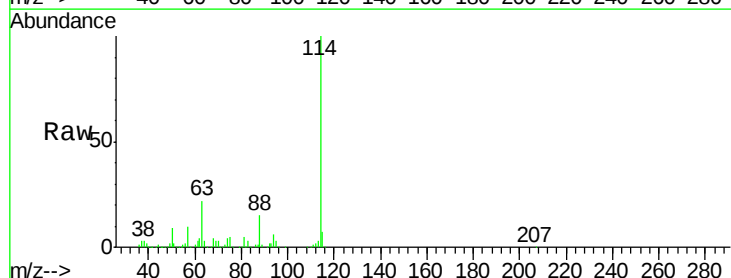
Instrument :
 MSVOA_W
 ClientSampled :
 DRUM-3RE

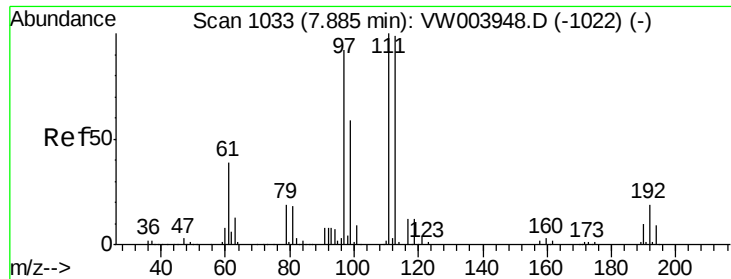
Tot Ion: 65 Resp: 124941
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004006.D
 Acq: 18 Jul 2018 02:35

Tgt Ion: 114 Resp: 308855
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 15.2 0.0 30.4

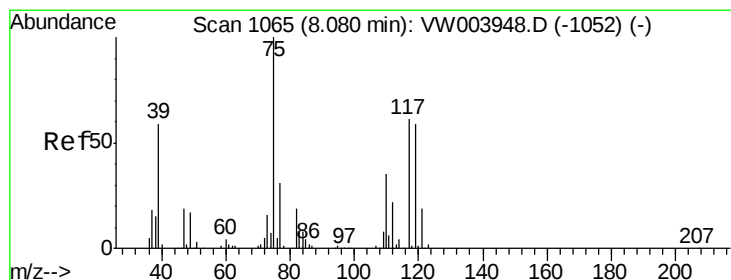
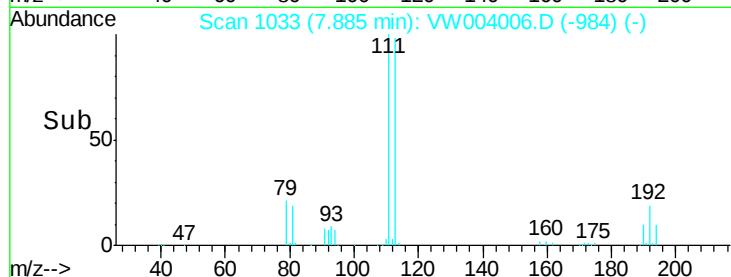
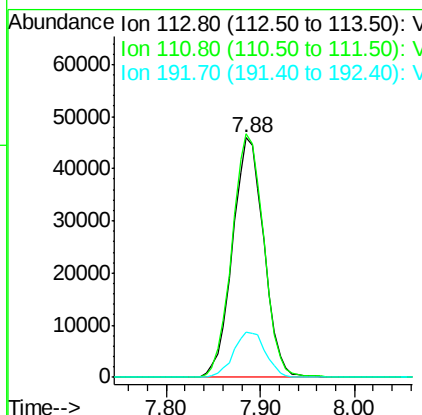
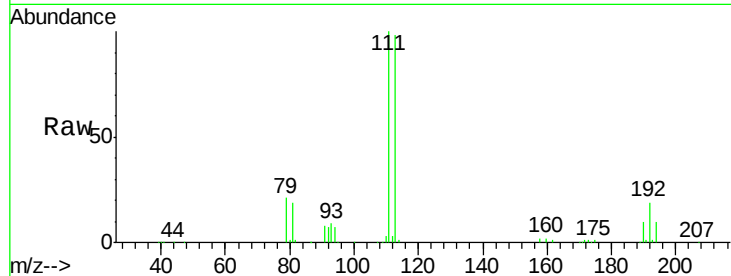




#35
 Dibromofluoromethane
 Concen: 53.790 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004006.D
 Acq: 18 Jul 2018 02:35

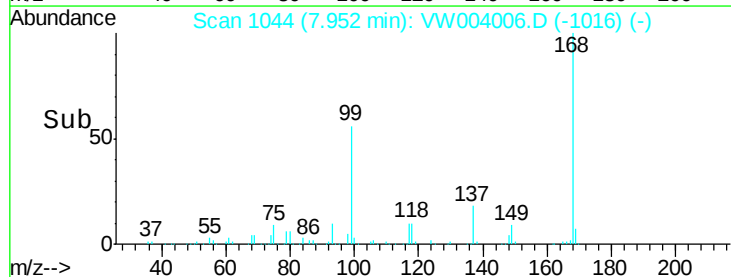
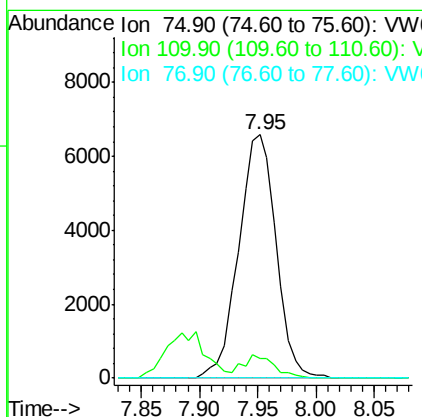
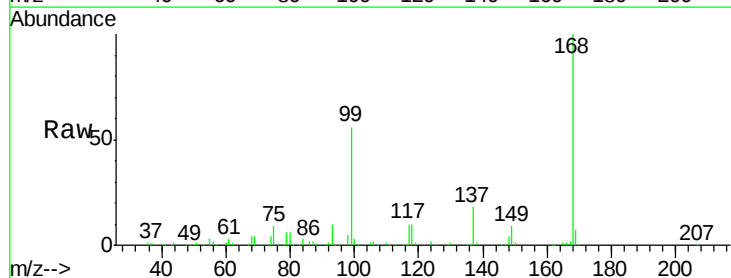
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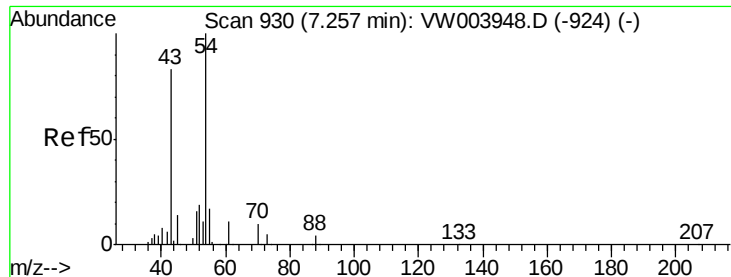
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.5	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004006.D
 Acq: 18 Jul 2018 02:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.0	51.0#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 2.379 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

DRUM-3RE

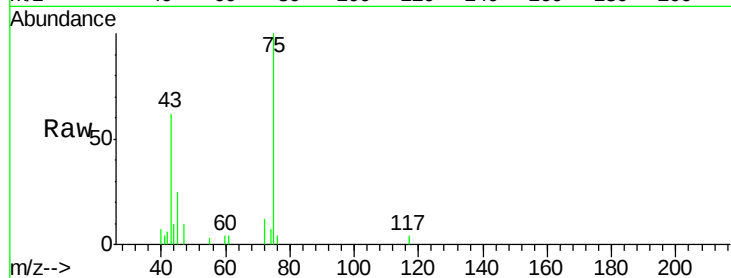
Tot Ion: 43 Resp: 3646

Ion Ratio Lower Upper

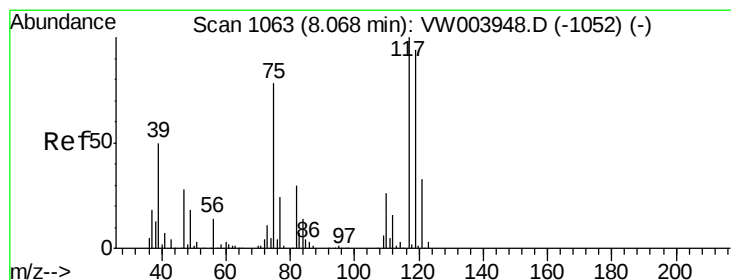
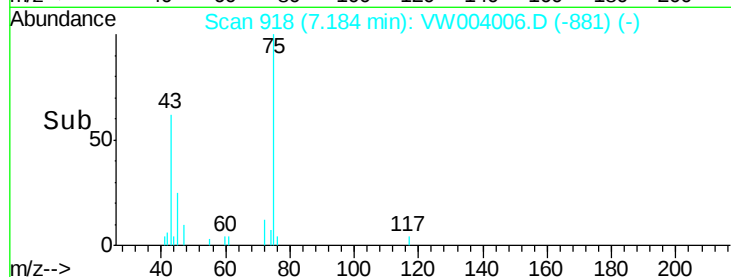
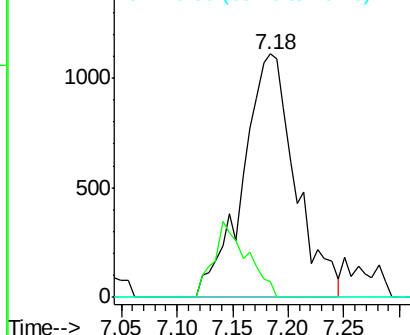
43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

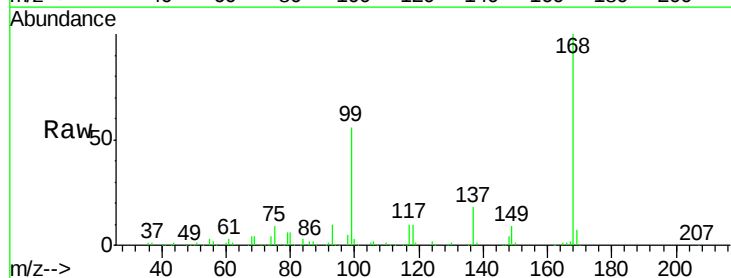
Tgt Ion: 117 Resp: 17408

Ion Ratio Lower Upper

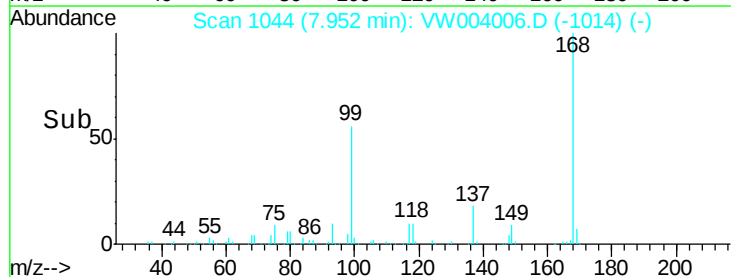
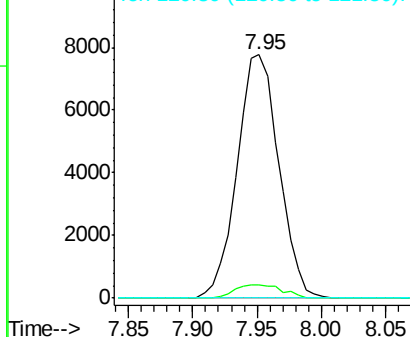
117 100

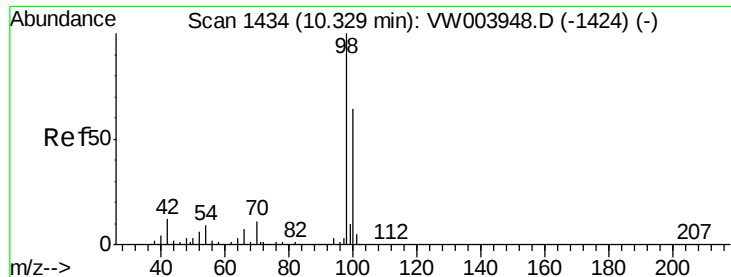
119 5.3 75.3 112.9#

121 0.0 26.0 39.0#



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





#50

Toluene-d8

Concen: 46.254 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampled :

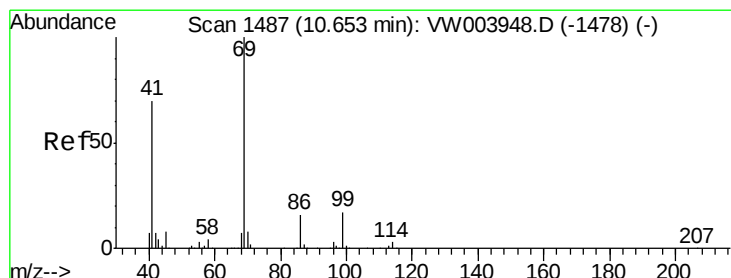
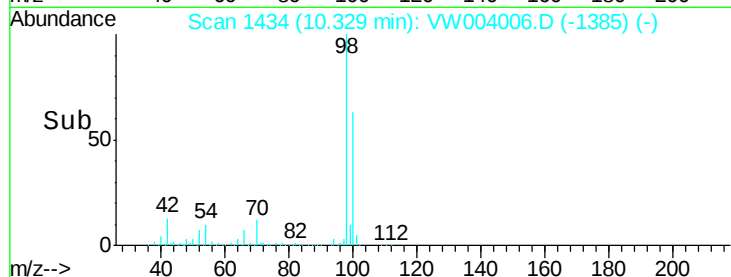
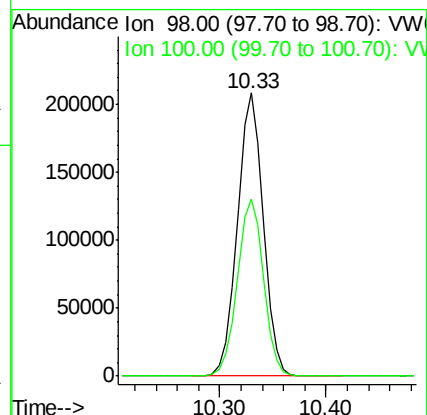
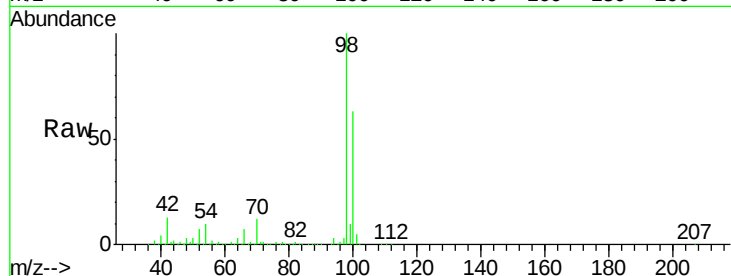
DRUM-3RE

Tot Ion: 98 Resp: 355668

Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8



#56

Ethyl methacrylate

Concen: 2.980 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

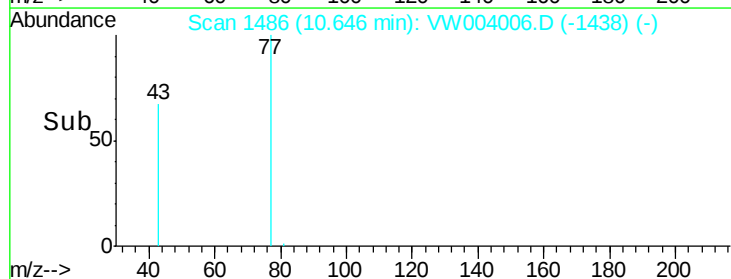
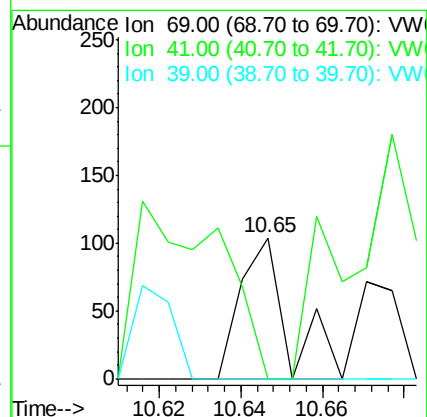
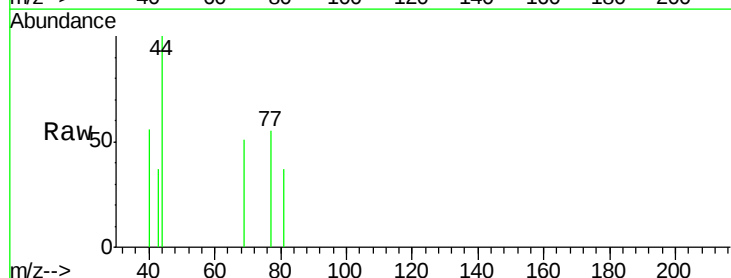
Tgt Ion: 69 Resp: 84

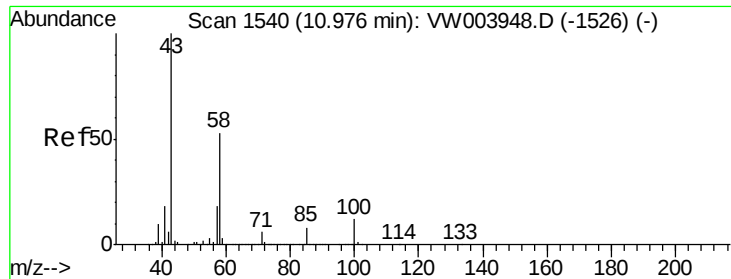
Ion Ratio Lower Upper

69 100

41 0.0 56.5 84.7#

39 0.0 30.2 45.4#





#59

2-Hexanone

Concen: 1.018 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleID :

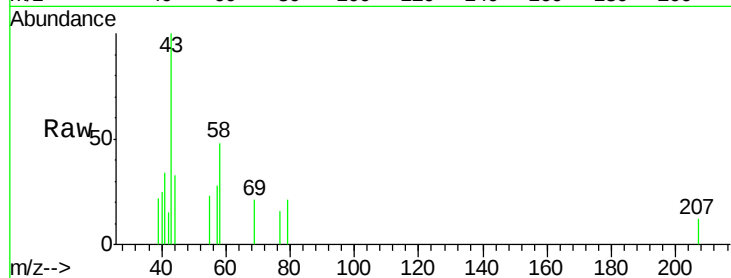
DRUM-3RE

Tot Ion: 43 Resp: 1096

Ion Ratio Lower Upper

43 100

58 32.8 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.98

400

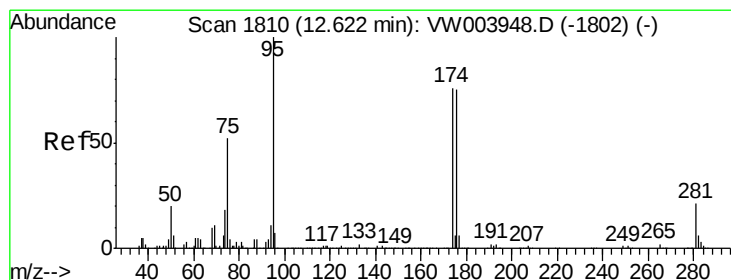
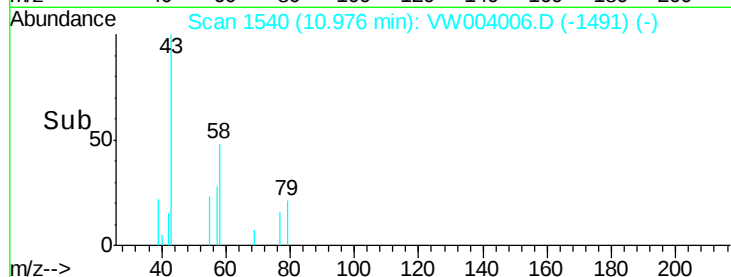
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.801 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

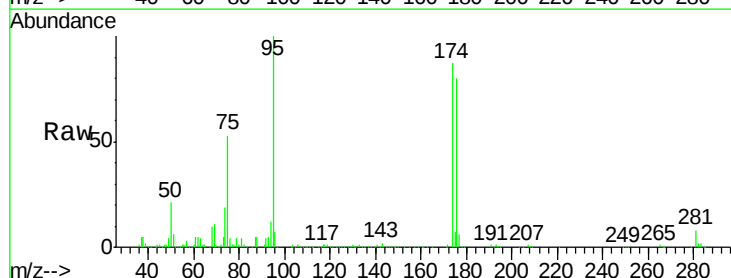
Tgt Ion: 95 Resp: 110361

Ion Ratio Lower Upper

95 100

174 84.0 0.0 160.2

176 80.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

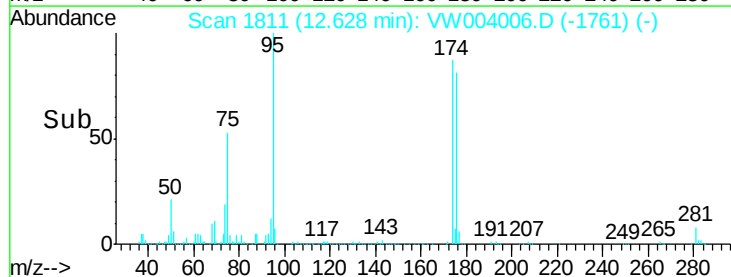
60000

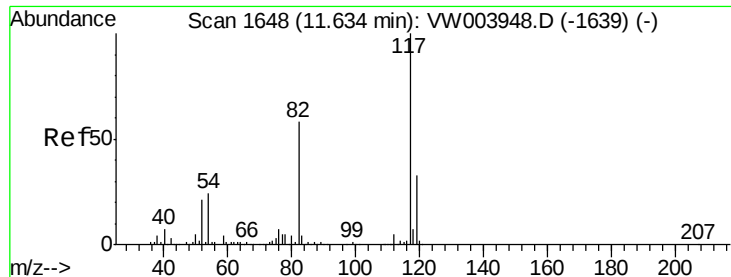
40000

20000

0

Time-->

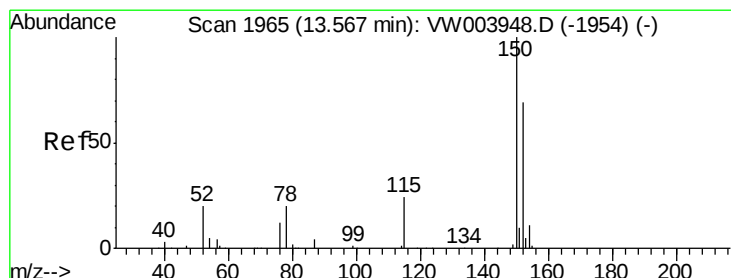
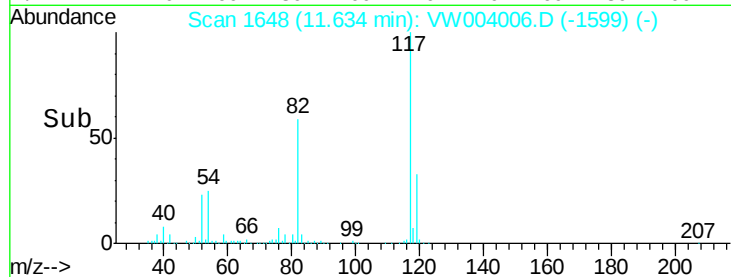
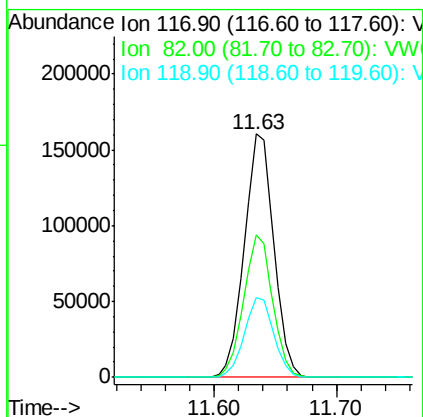
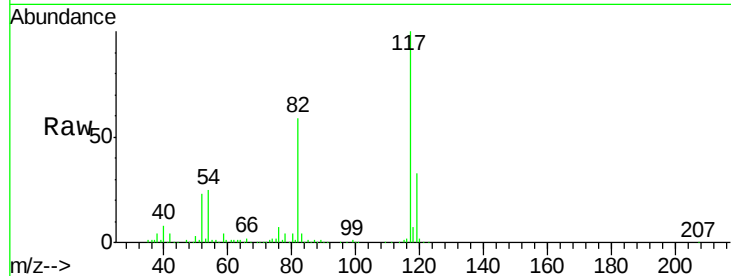




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

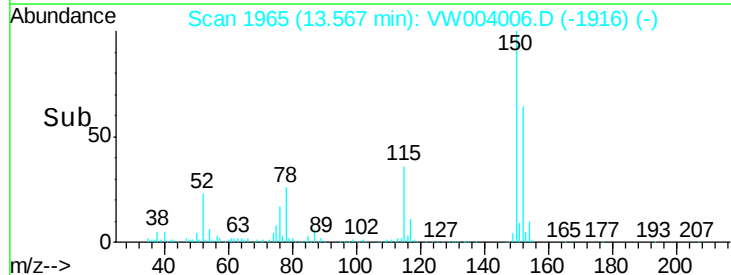
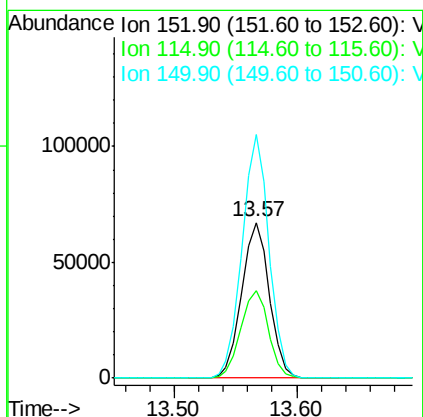
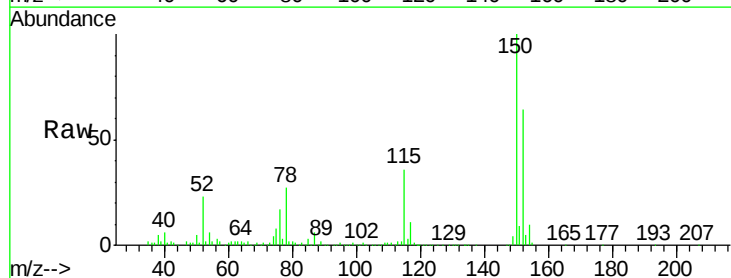
Instrument :
MSVOA_W
ClientSampleId :
DRUM-3RE

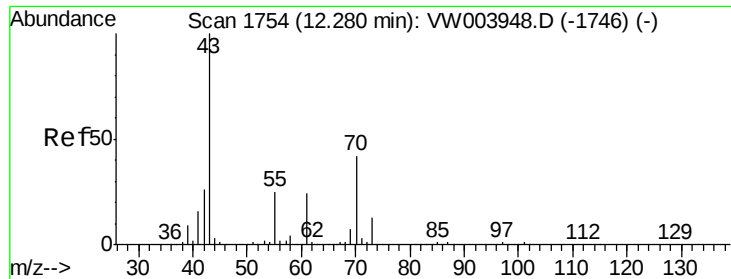
Tot Ion:117 Resp: 269660
Ion Ratio Lower Upper
117 100
82 58.6 46.5 69.7
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004006.D
Acq: 18 Jul 2018 02:35

Tgt Ion:152 Resp: 105452
Ion Ratio Lower Upper
152 100
115 56.9 29.2 87.6
150 152.0 0.0 345.2





#74

N-amvl acetate

Concen: 1.034 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

DRUM-3RE

Tot Ion: 43 Resp: 2007

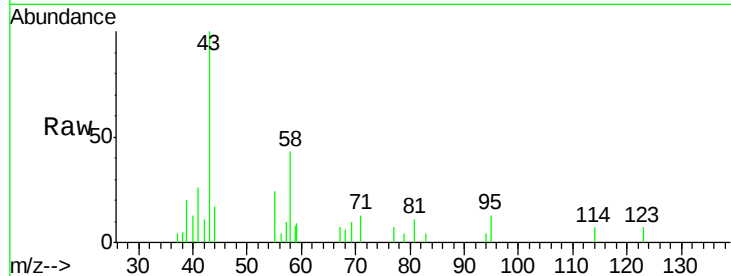
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 17.9 20.0 30.0#

61 0.0 18.5 27.7#

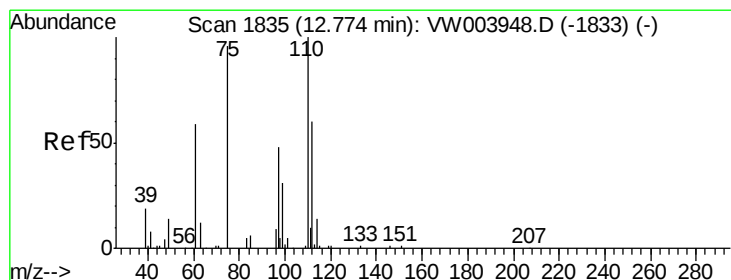
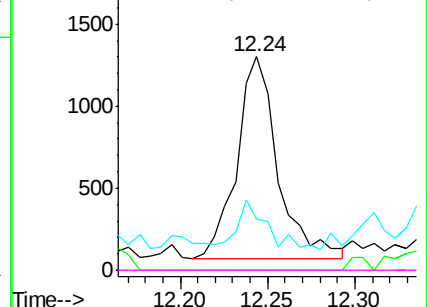
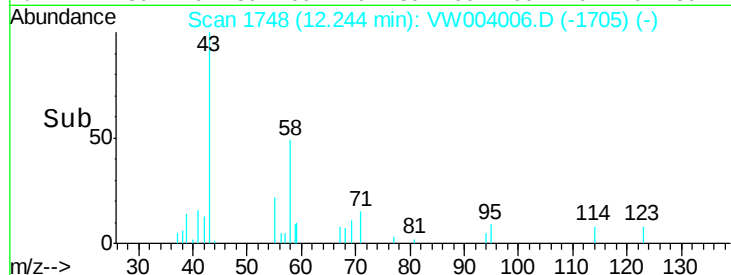


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 57.993 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004006.D

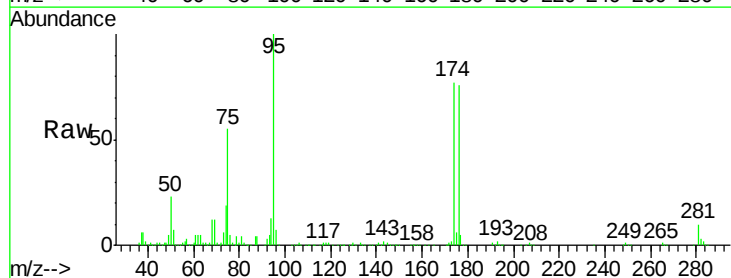
Acq: 18 Jul 2018 02:35

Tgt Ion: 75 Resp: 60713

Ion Ratio Lower Upper

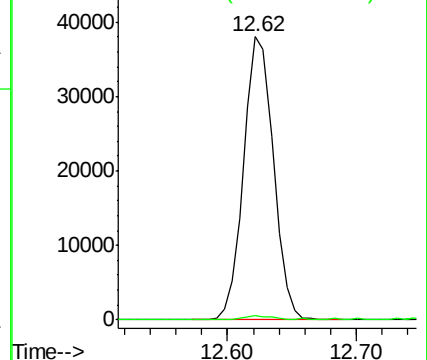
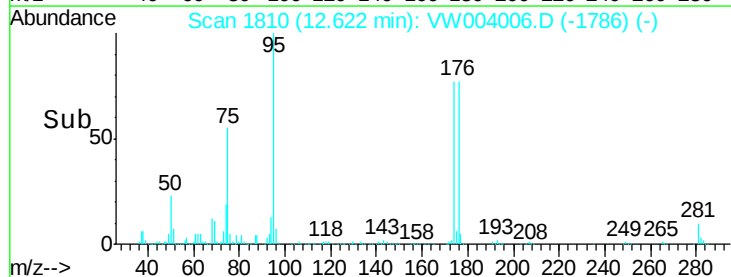
75 100

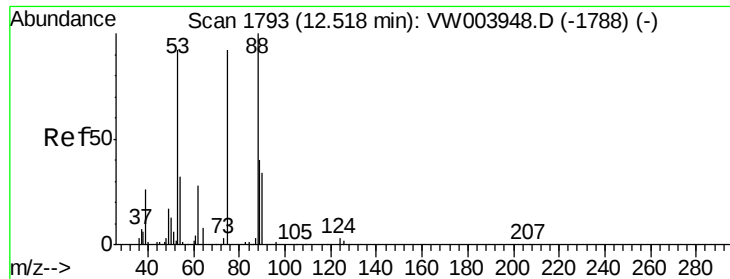
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 128.280 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

DRUM-3RE

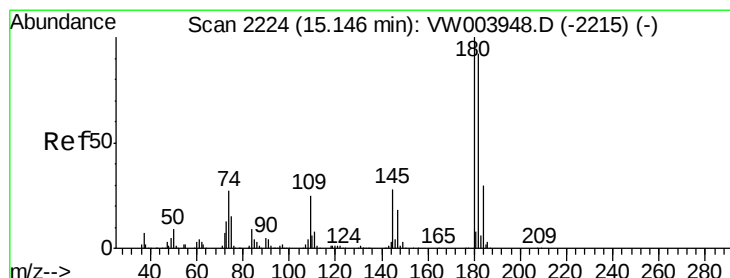
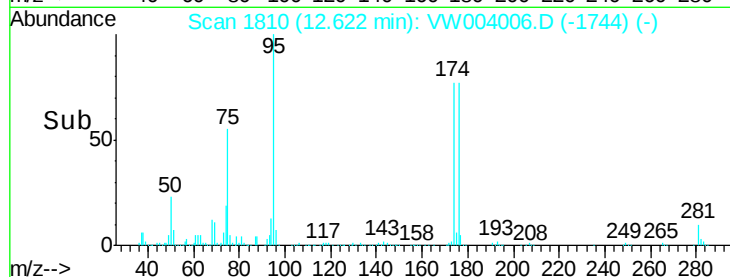
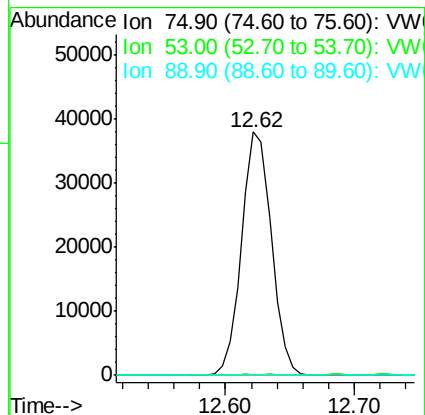
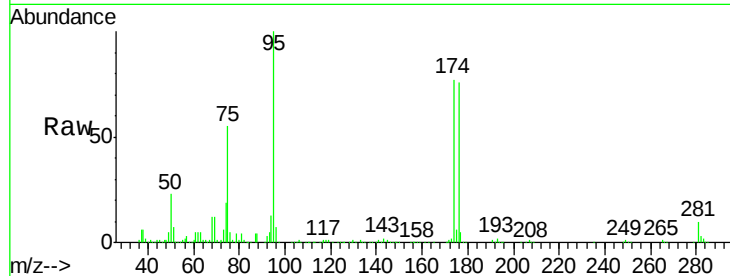
Tot Ion: 75 Resp: 60713

Ion Ratio Lower Upper

75 100

53 0.6 77.6 116.4#

89 0.1 36.6 54.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.154 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

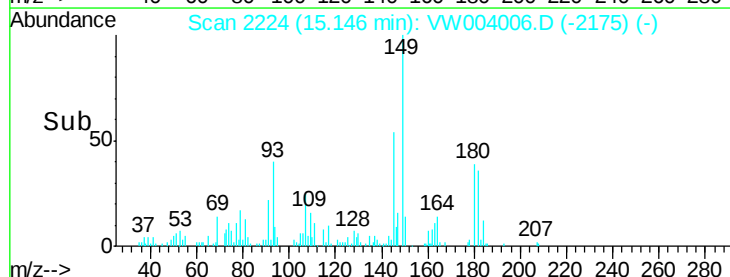
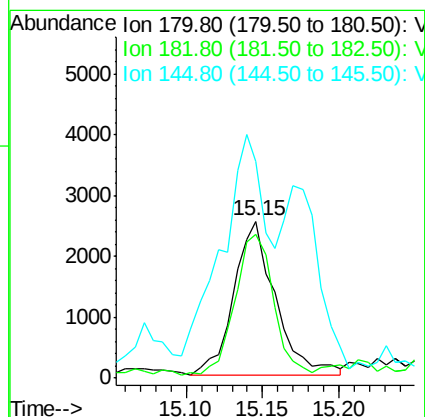
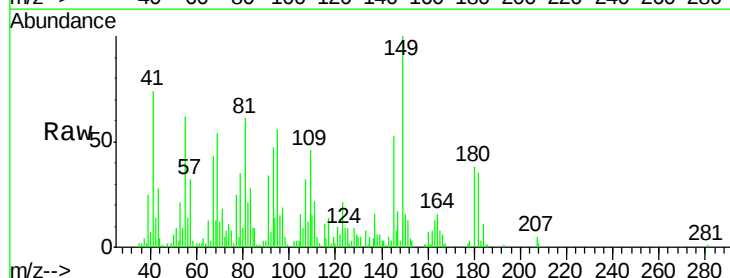
Tgt Ion: 180 Resp: 4799

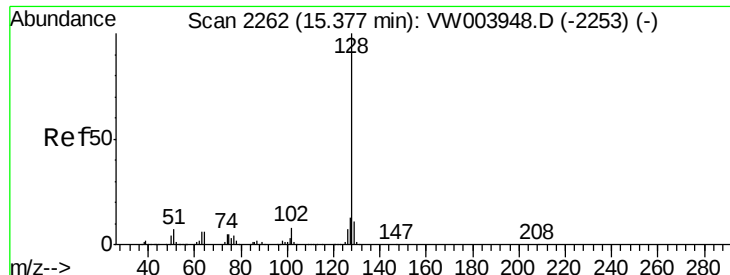
Ion Ratio Lower Upper

180 100

182 83.1 46.9 140.8

145 170.5 15.0 45.0#





#95

Naphthalene

Concen: 4.033 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004006.D

Acq: 18 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

DRUM-3RE

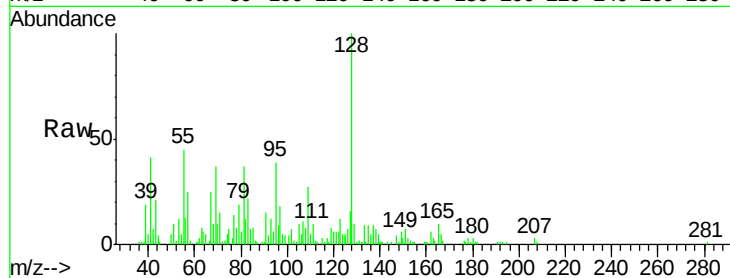
Tot Ion:128 Resp: 16586

Ion Ratio Lower Upper

128 100

127 18.1 10.7 16.1#

129 12.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

