

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004256.D
 Acq On : 27 Jul 2018 06:45
 Operator : SY/AP
 Sample : J4099-01RE
 Misc : 4.07G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 07:39:42 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	259804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	433432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88221	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	152336	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	101735	36.58	ug/l	0.00
Spiked Amount			Recovery	=	73.16%	
50) Toluene-d8	10.33	98	438781	40.66	ug/l	0.00
Spiked Amount			Recovery	=	81.32%	
62) 4-Bromofluorobenzene	12.62	95	112842	29.00	ug/l	0.00
Spiked Amount			Recovery	=	58.00%	

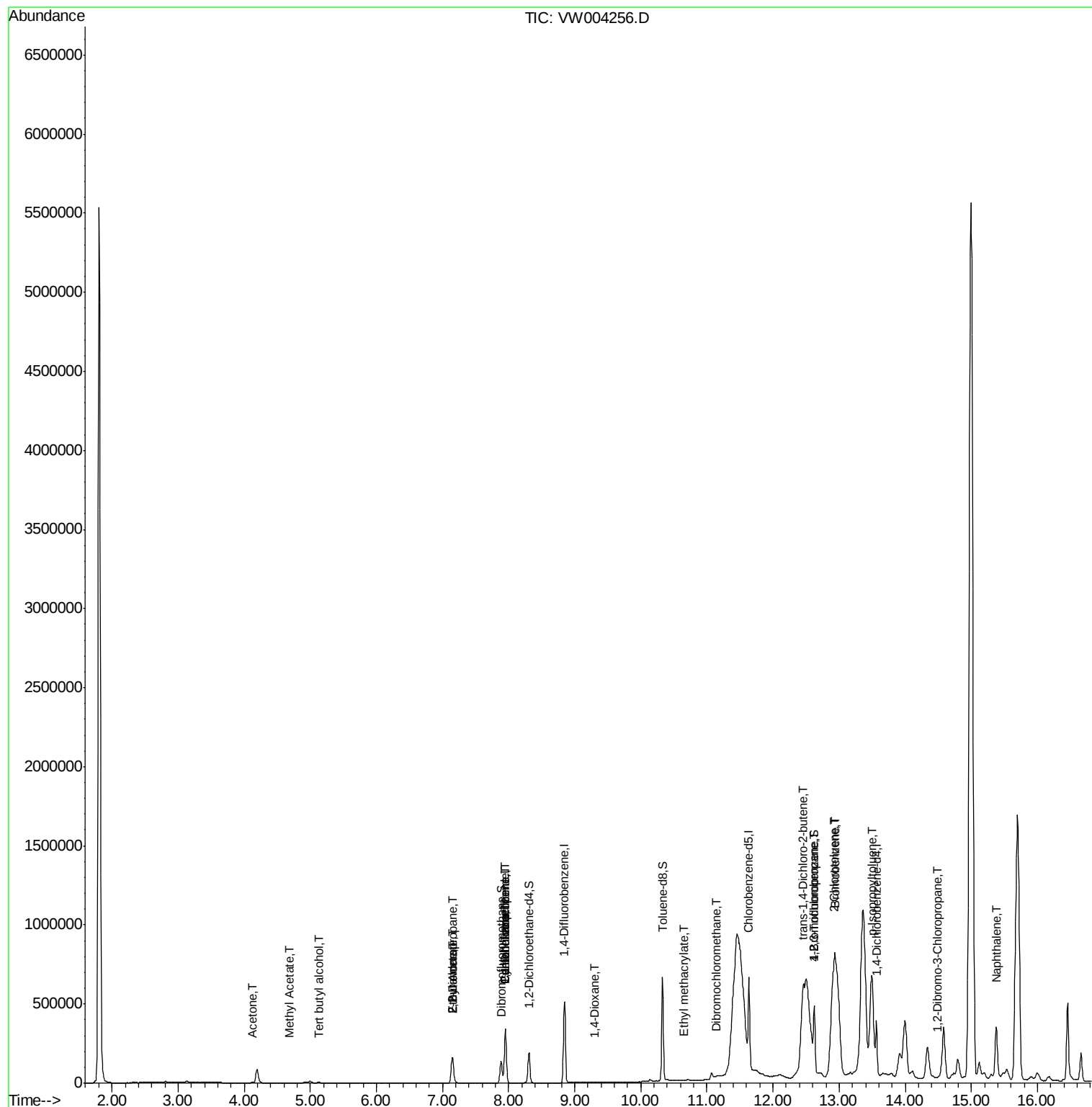
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6703	33.435	ug/l #	73
16) Acetone	4.12	43	6786	9.724	ug/l	98
18) Methyl Acetate	4.68	43	3438	2.052	ug/l	97
20) Methylene Chloride	4.91	84	3576	Below Cal		88
25) 2-Butanone	7.15	43	9440	10.052	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	11085	3.757	ug/l #	52
31) Cyclohexane	7.95	56	5526	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20468	4.590	ug/l #	50
37) Ethyl Acetate	7.15	43	9440	4.389	ug/l #	1
38) Carbon Tetrachloride	7.95	117	25709	6.170	ug/l #	17
49) 1,4-Dioxane	9.29	88	42	1.668	ug/l #	1
56) Ethyl methacrylate	10.65	69	123	2.981	ug/l #	1
60) Dibromochloromethane	11.14	129	6673	2.486	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	61930	70.710	ug/l #	100
77) Bromobenzene	12.94	156	1325312	888.474	ug/l #	1
79) 2-Chlorotoluene	12.93	91	4340	1.006	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.46	75	22643	57.186	ug/l #	31
86) p-Isopropyltoluene	13.51	119	7222	1.260	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	14.49	75	241	1.124	ug/l #	3
95) Naphthalene	15.38	128	135112	39.266	ug/l	98

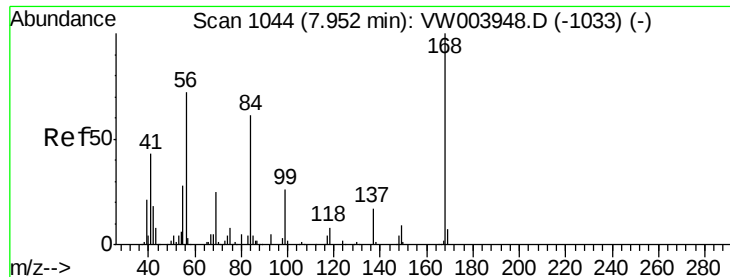
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072818\
Data File : VW004256.D
Acq On : 27 Jul 2018 06:45
Operator : SY/AP
Sample : J4099-01RE
Misc : 4.07G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 27 07:39:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

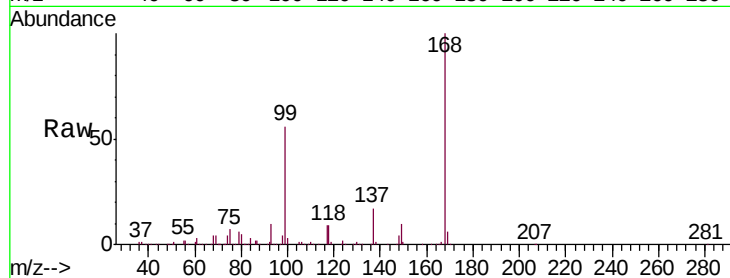
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 259804

Ion Ratio Lower Upper

168 100

99 55.7 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

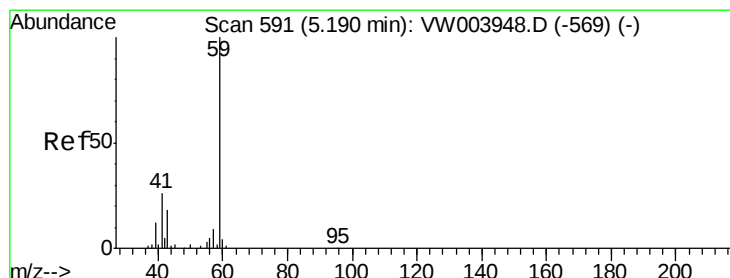
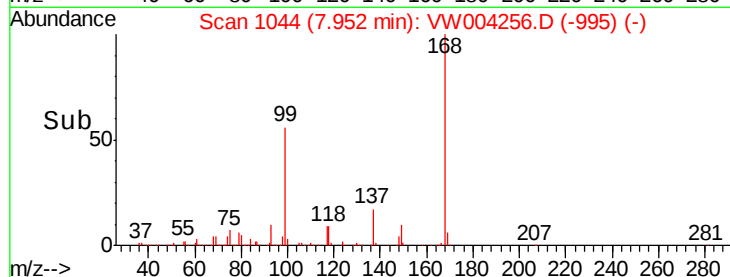
100000

50000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 33.435 ug/l

RT: 5.12 min Scan# 579

Delta R.T. -0.07 min

Lab File: VW004256.D

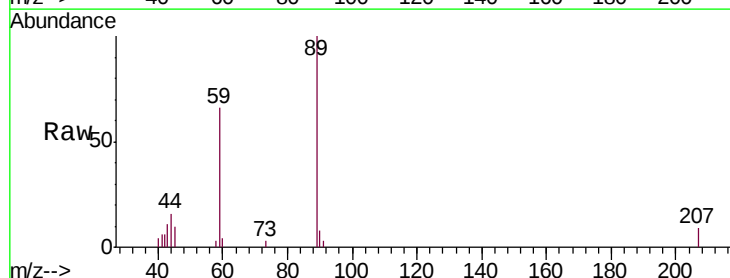
Acq: 27 Jul 2018 06:45

Tgt Ion: 59 Resp: 6703

Ion Ratio Lower Upper

59 100

57 0.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1500

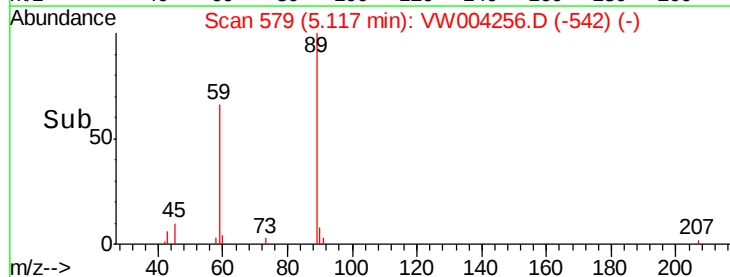
1000

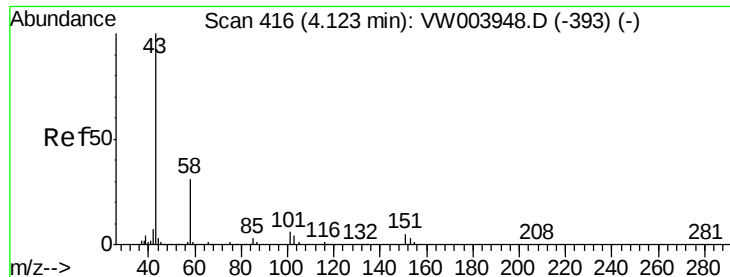
500

0

Time-->

5.00 5.10 5.20 5.30





#16

Acetone

Concen: 9.724 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

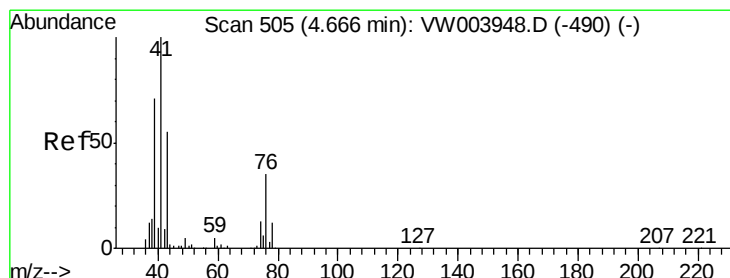
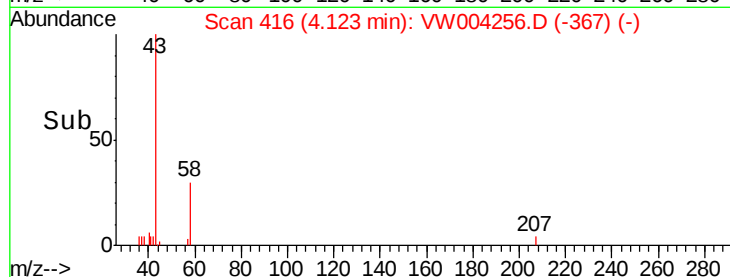
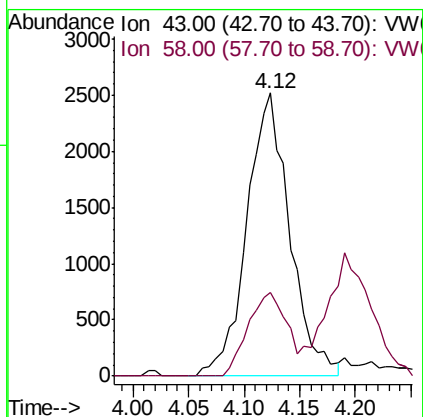
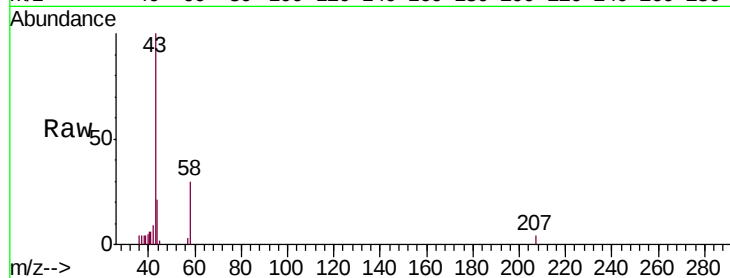
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 6786

Ion Ratio Lower Upper

43 100

58 29.5 24.5 36.7



#18

Methyl Acetate

Concen: 2.052 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004256.D

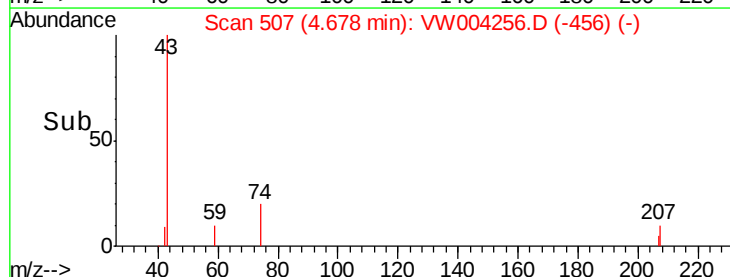
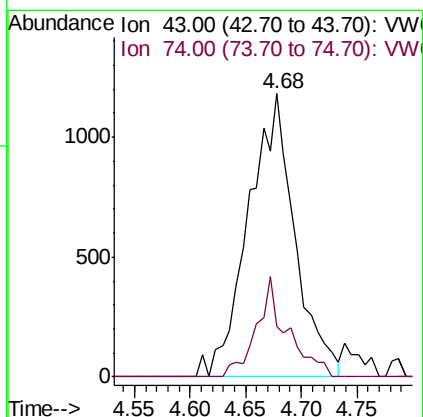
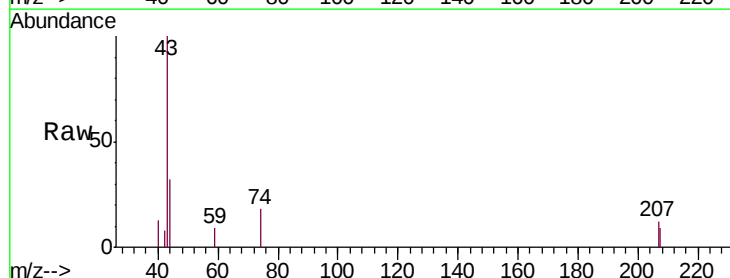
Acq: 27 Jul 2018 06:45

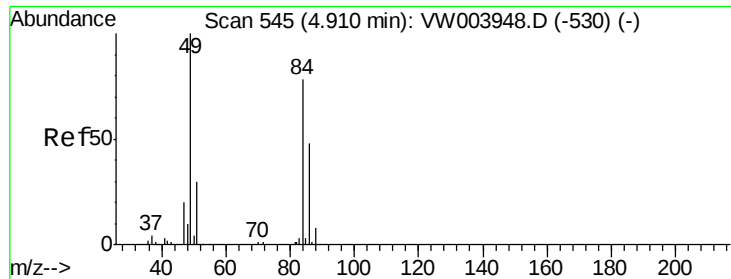
Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

43 100

74 23.5 17.7 26.5

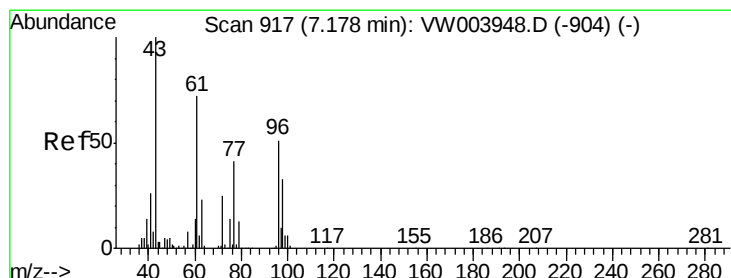
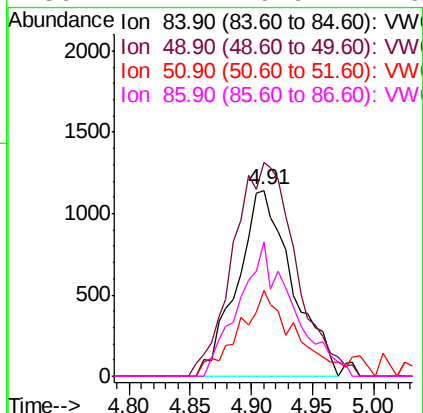
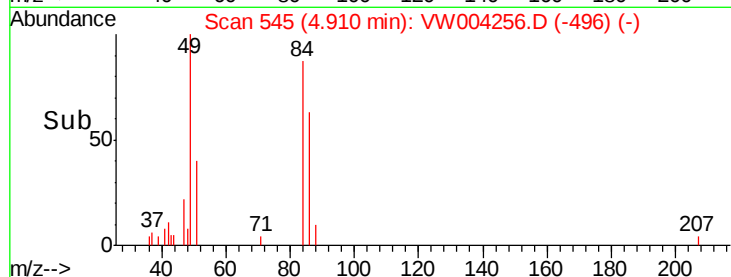
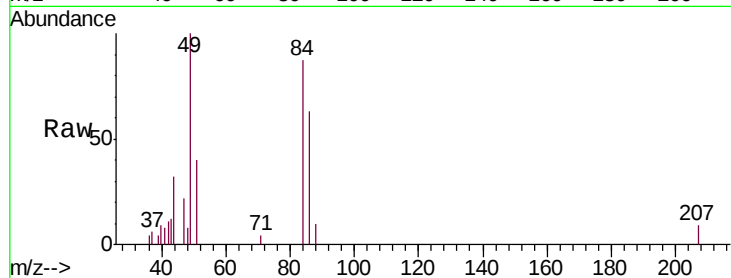




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

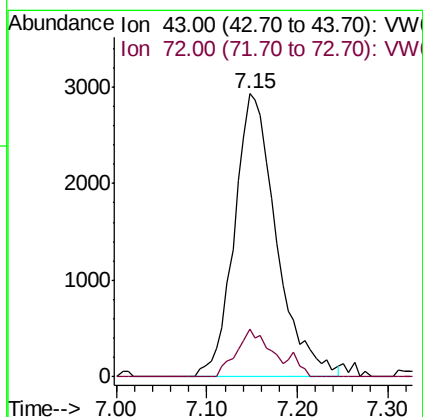
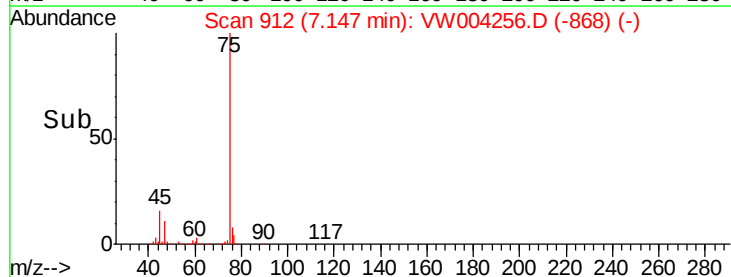
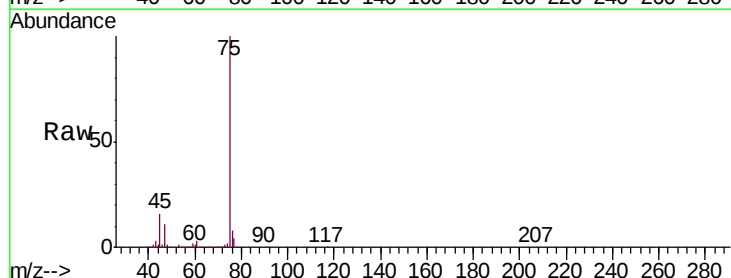
Instrument :
MSVOA_W
ClientSampleId :

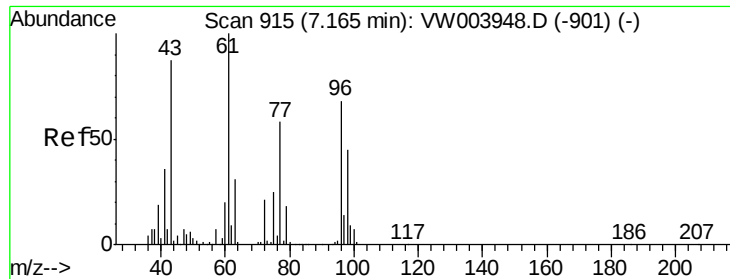
Tot Ion: 84 Resp: 3576
Ion Ratio Lower Upper
84 100
49 114.9 102.9 154.3
51 46.0 30.9 46.3
86 72.4 49.9 74.9



#25
2-Butanone
Concen: 10.052 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.03 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Tgt Ion: 43 Resp: 9440
Ion Ratio Lower Upper
43 100
72 16.9 19.8 29.6#





#26

2,2-Dichloropropane

Concen: 3.757 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

Instrument :

MSVOA_W

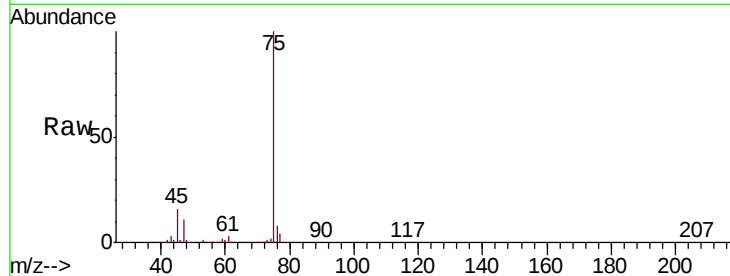
ClientSampleId :

Tot Ion: 77 Resp: 11085

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

4000

3000

2000

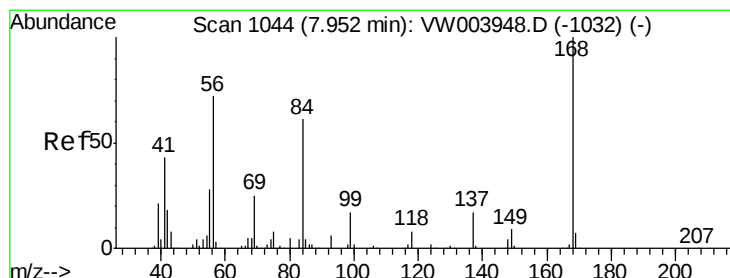
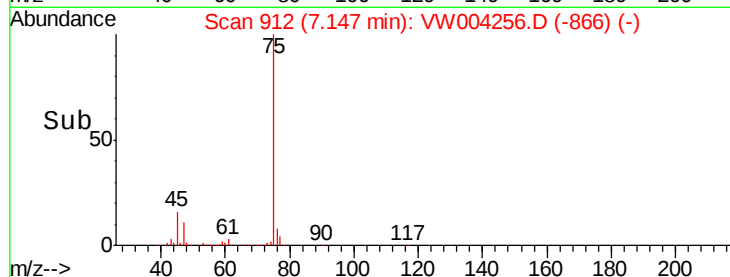
1000

0

7.10

7.20

Time-->



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

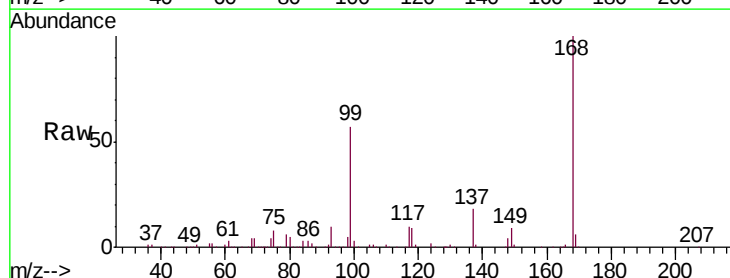
Tgt Ion: 56 Resp: 5526

Ion Ratio Lower Upper

56 100

69 207.7 27.8 41.8#

84 144.3 67.2 100.8#



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

6000

4000

2000

0

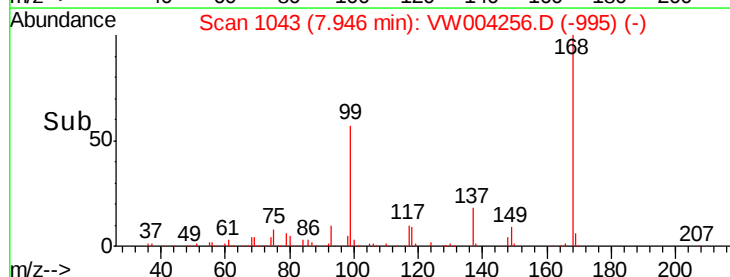
7.85

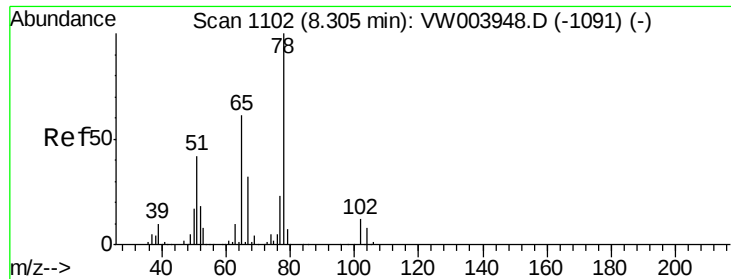
7.90

7.95

8.00

Time-->

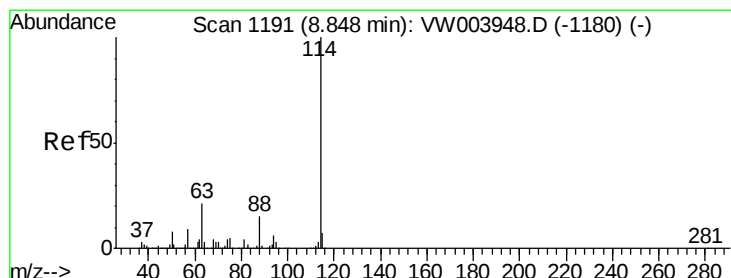
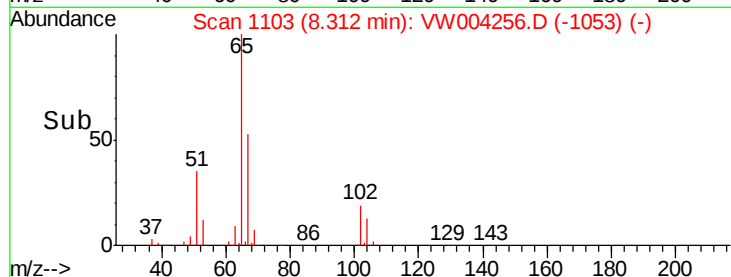
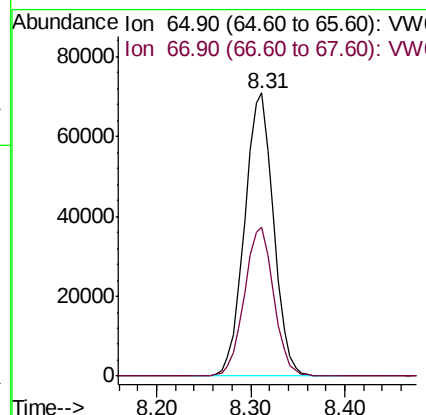
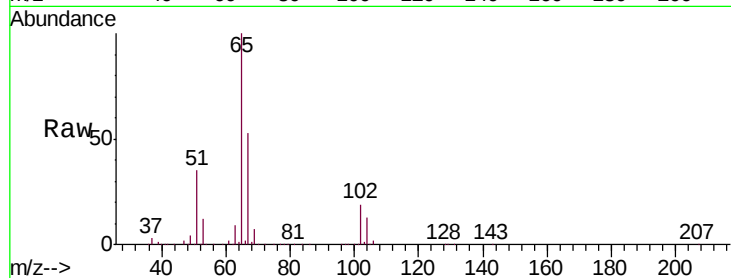




#33
 1,2-Dichloroethane-d4
 Concen: 52.456 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004256.D
 Acq: 27 Jul 2018 06:45

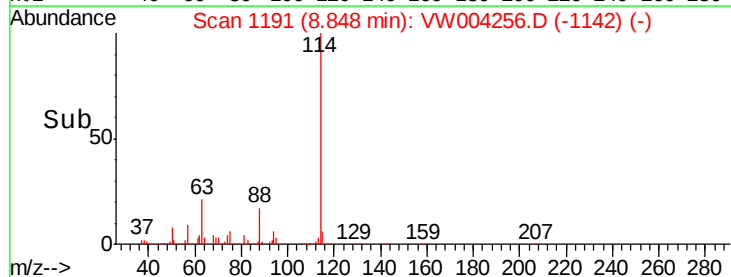
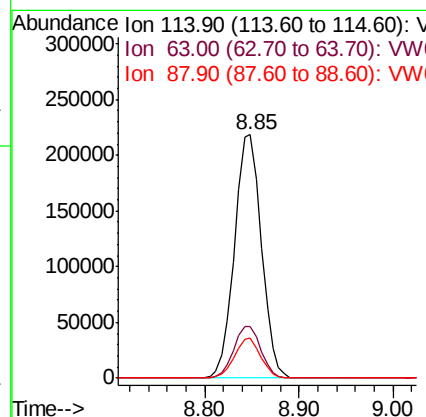
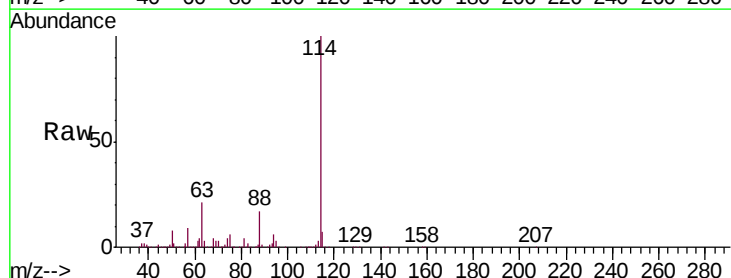
Instrument :
 MSVOA_W
 ClientSampleId :

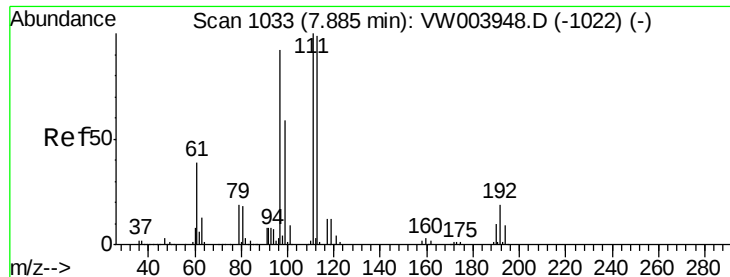
Tot Ion: 65 Resp: 152336
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004256.D
 Acq: 27 Jul 2018 06:45

Tgt Ion: 114 Resp: 433432
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 16.7 0.0 30.4

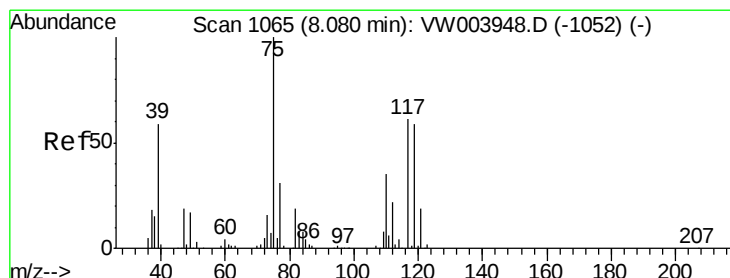
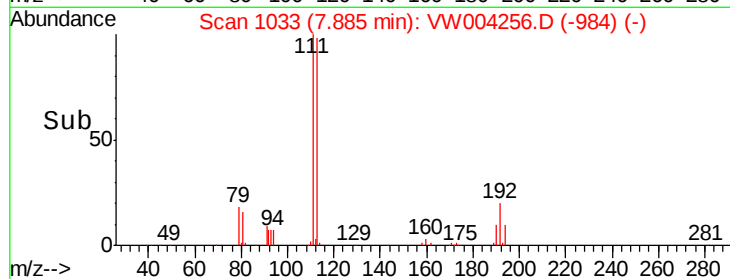
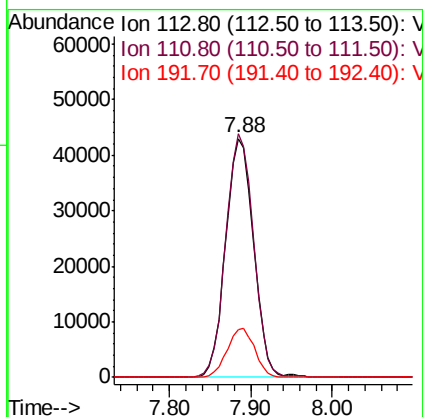
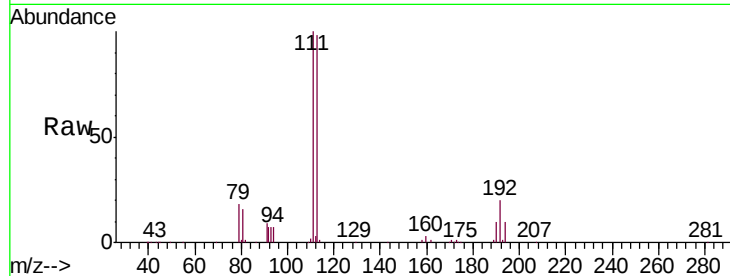




#35
 Dibromofluoromethane
 Concen: 36.582 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004256.D
 Acq: 27 Jul 2018 06:45

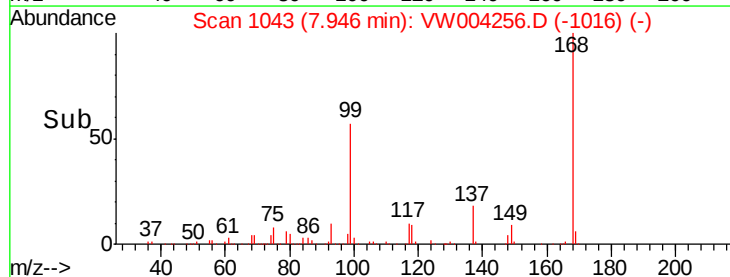
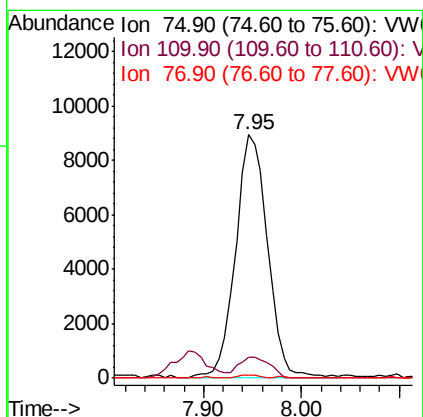
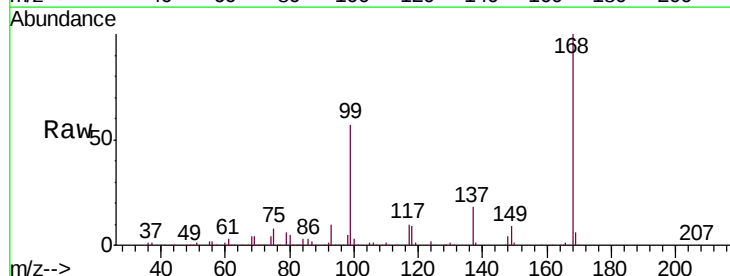
Instrument :
 MSVOA_W
 ClientSampled :

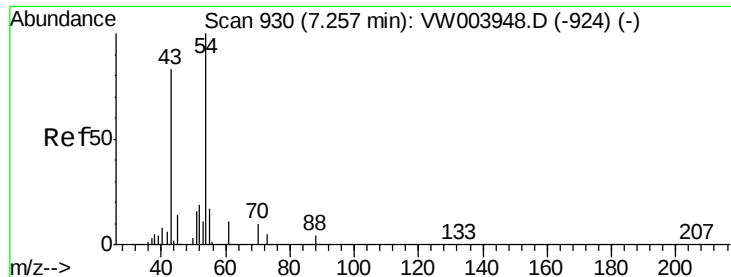
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.3	121.9
192	20.2	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.590 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004256.D
 Acq: 27 Jul 2018 06:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	51.0#
77	0.8	24.9	37.3#





#37

Ethyl Acetate

Concen: 4.389 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.11 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

Instrument :
MSVOA_W
ClientSampleId :

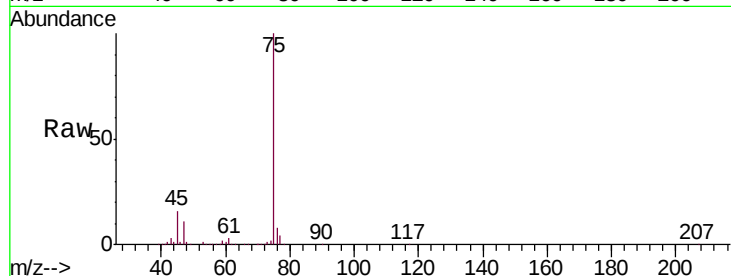
Tot Ion: 43 Resp: 9440

Ion Ratio Lower Upper

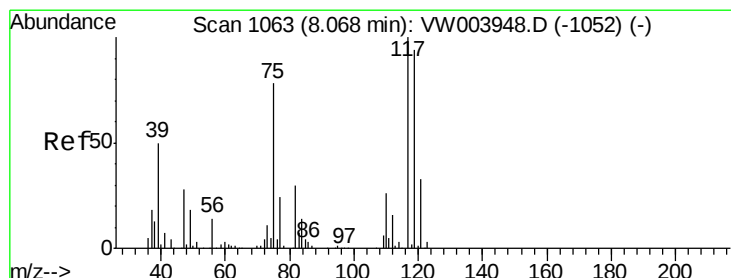
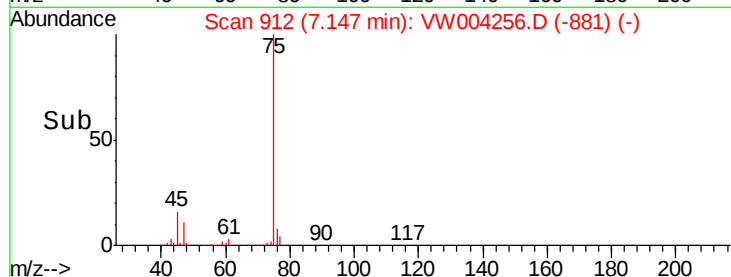
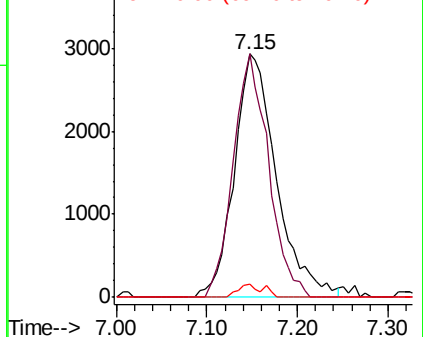
43 100

61 84.0 10.7 16.1#

70 3.2 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: 6.170 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

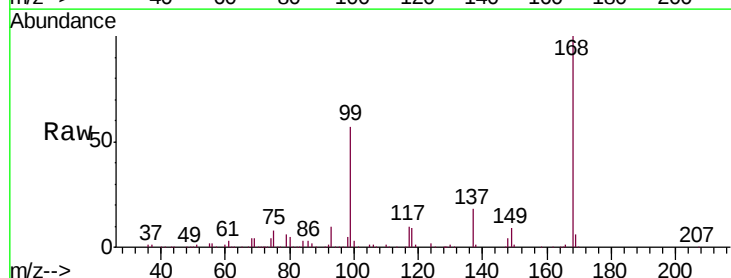
Tgt Ion: 117 Resp: 25709

Ion Ratio Lower Upper

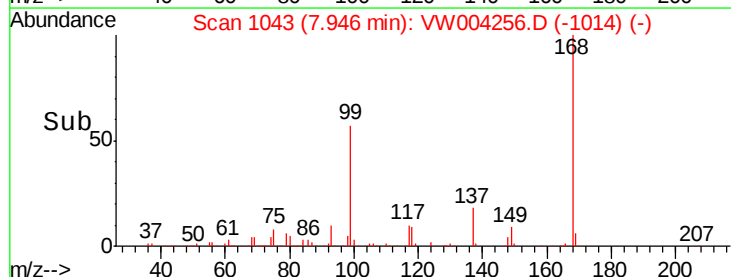
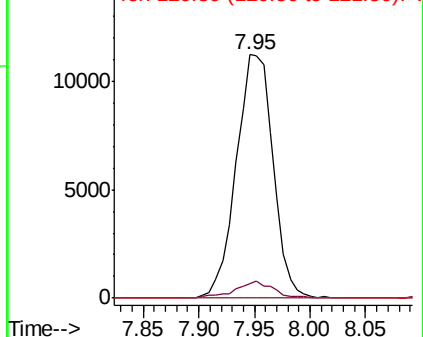
117 100

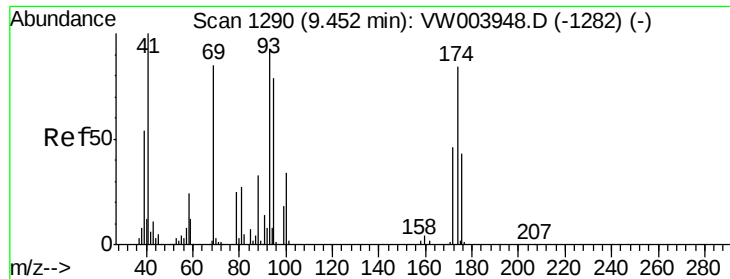
119 6.1 75.3 112.9#

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

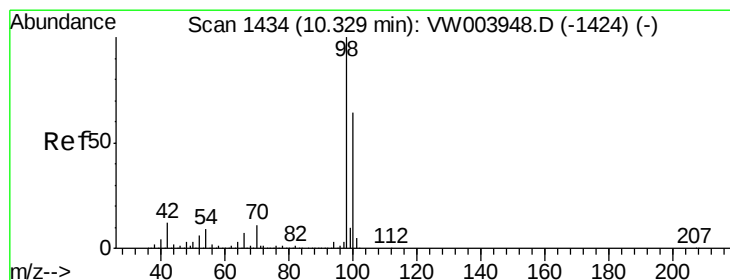
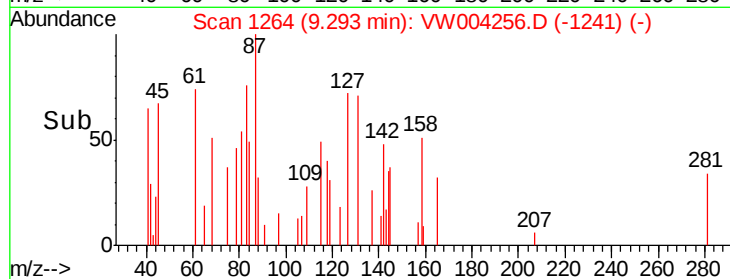
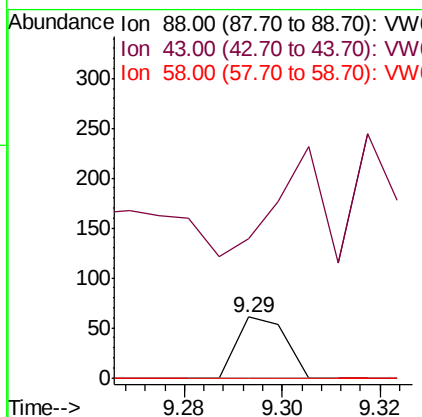
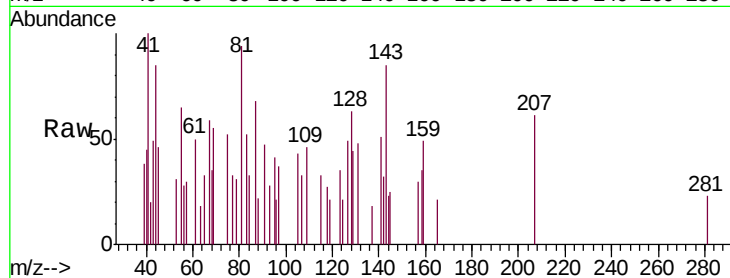




#49
1,4-Dioxane
Concen: 1.668 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.16 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

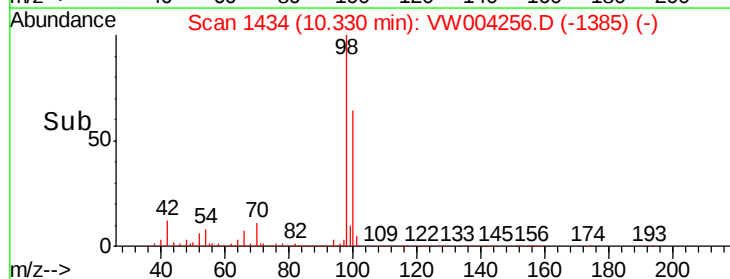
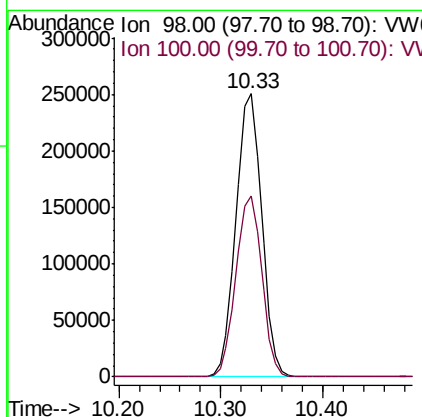
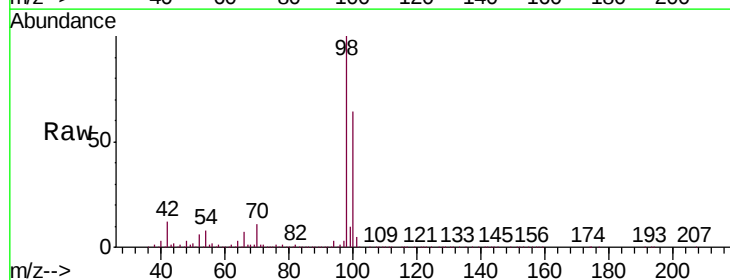
Instrument :
MSVOA_W
ClientSampleId :

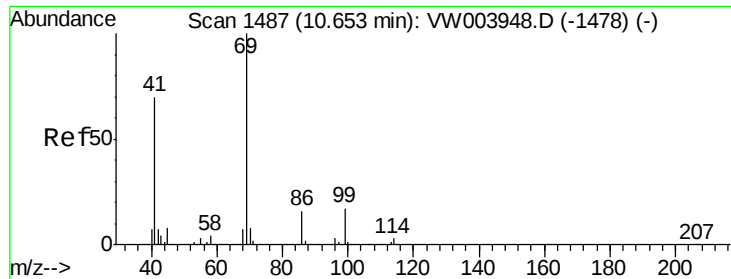
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 188.1 27.3 40.9#
58 0.0 61.1 91.7#



#50
Toluene-d8
Concen: 40.662 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Tgt Ion: 98 Resp: 438781
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#56

Ethyl methacrylate

Concen: 2.981 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

Instrument :

MSVOA_W

ClientSampled :

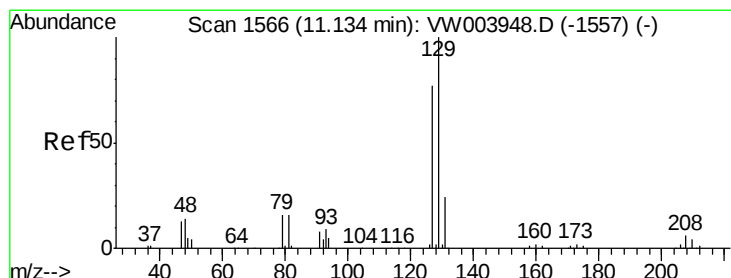
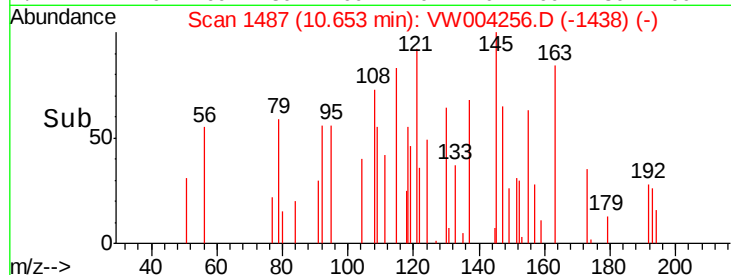
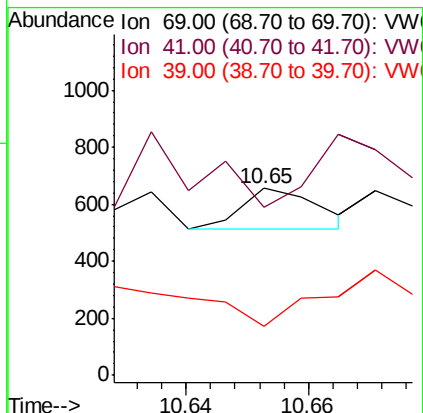
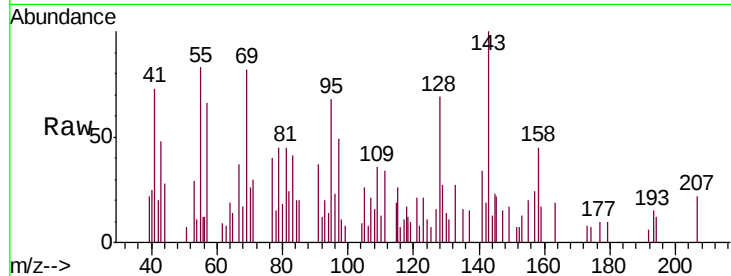
Tot Ion: 69 Resp: 123

Ion Ratio Lower Upper

69 100

41 312.2 56.5 84.7#

39 171.5 30.2 45.4#



#60

Dibromochloromethane

Concen: 2.486 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VW004256.D

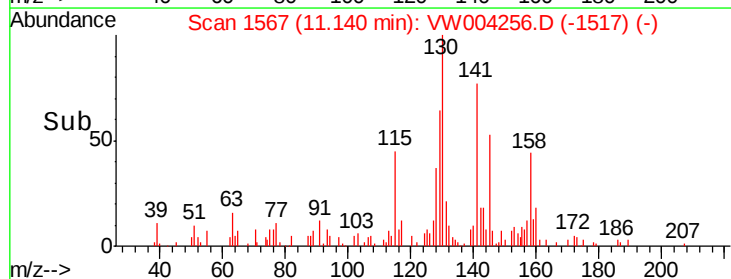
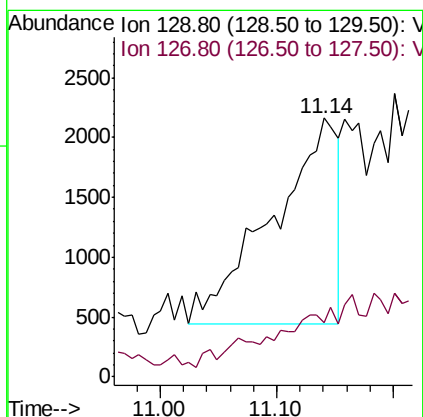
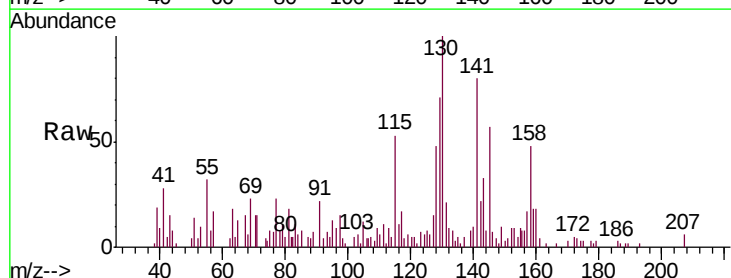
Acq: 27 Jul 2018 06:45

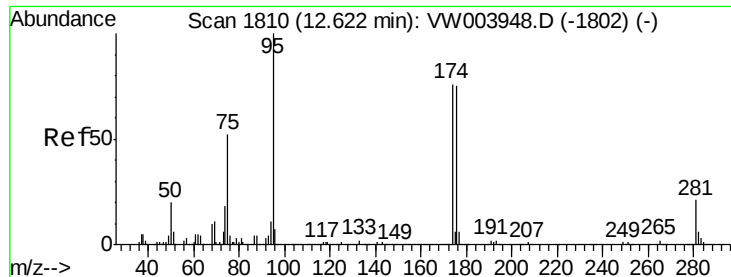
Tgt Ion: 129 Resp: 6673

Ion Ratio Lower Upper

129 100

127 7.1 39.1 117.3#

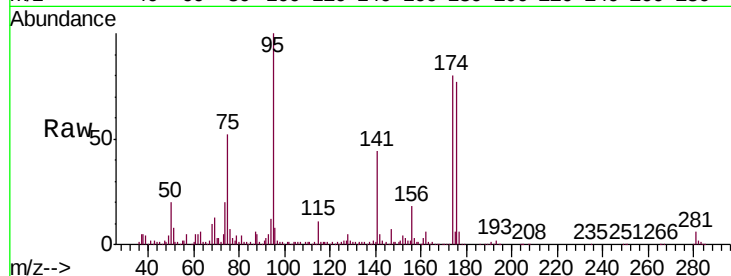




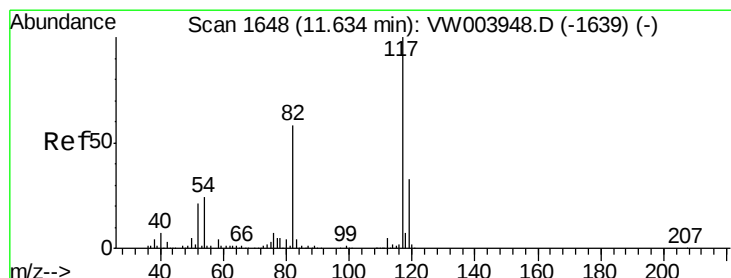
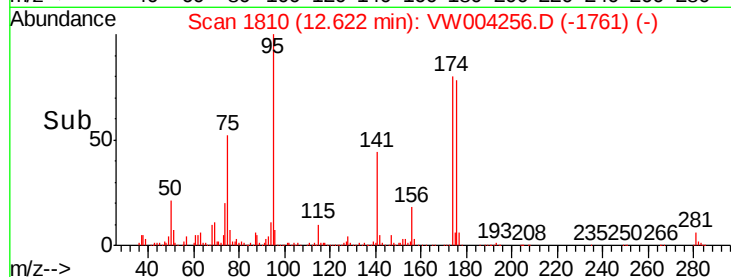
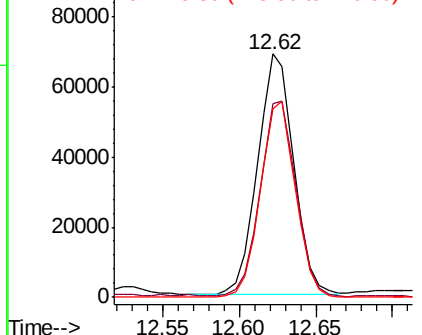
#62
4-Bromofluorobenzene
Concen: 28.999 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 112842
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.2
176 79.0 0.0 155.8

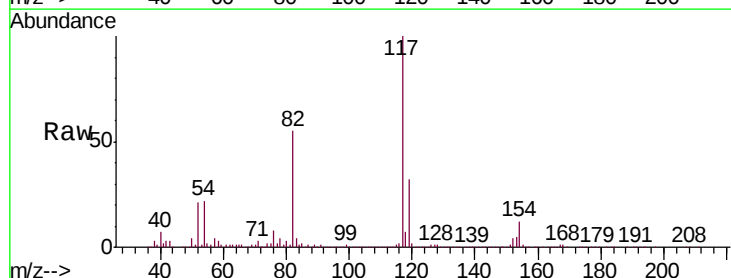


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

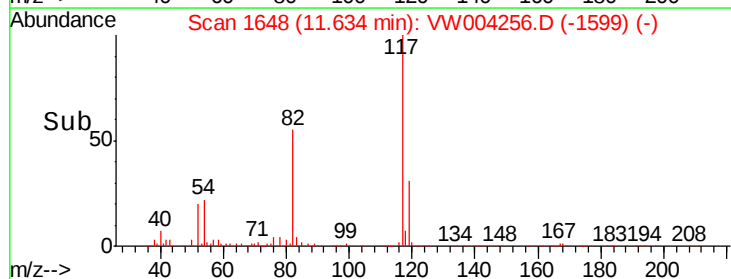
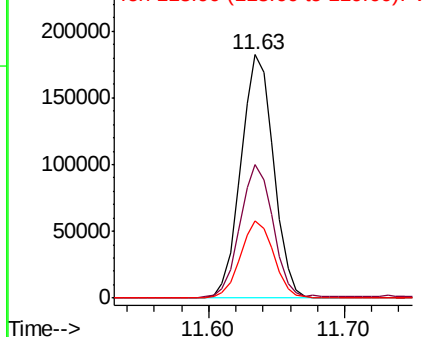


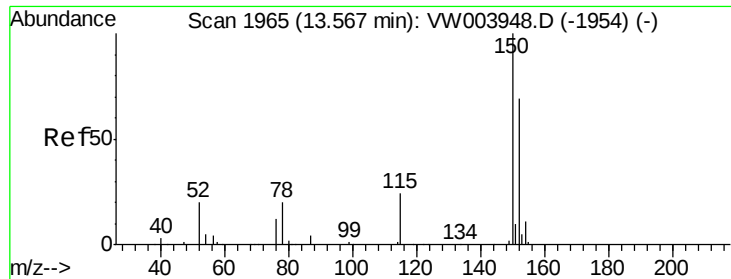
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Tgt Ion: 117 Resp: 304798
Ion Ratio Lower Upper
117 100
82 54.7 46.5 69.7
119 31.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



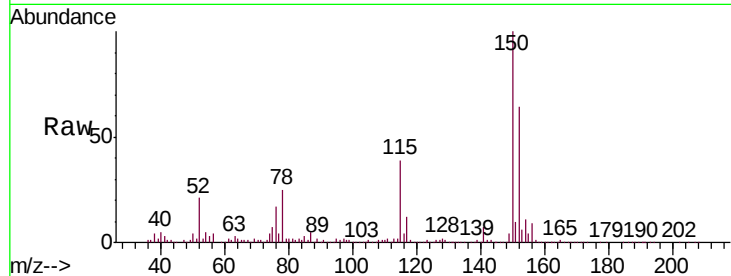


#72

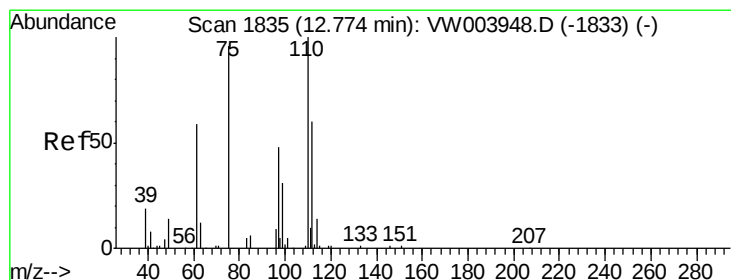
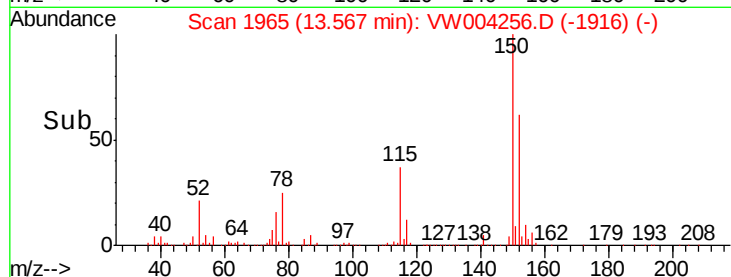
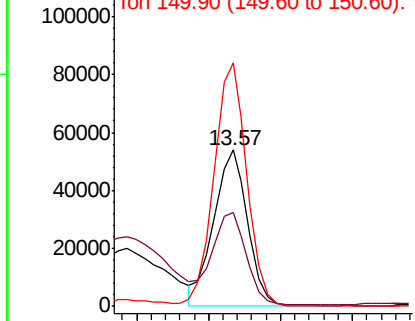
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 88221
Ion Ratio Lower Upper
152 100
115 61.7 29.2 87.6
150 150.9 0.0 345.2



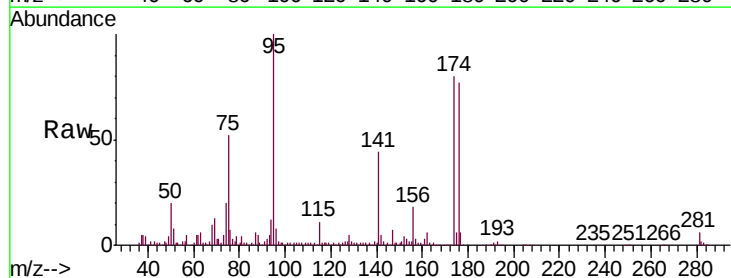
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



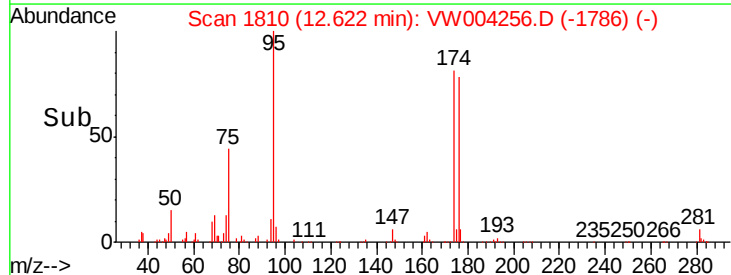
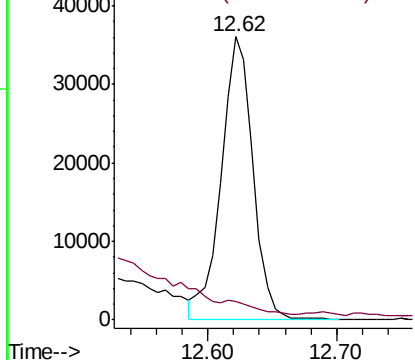
#76

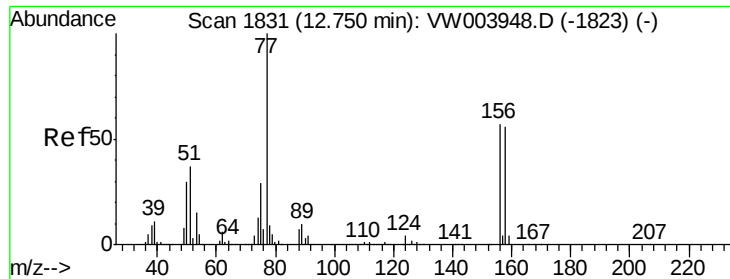
1,2,3-Trichloropropane
Concen: 70.710 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Tgt Ion: 75 Resp: 61930
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 888.474 ug/l

RT: 12.94 min Scan# 1862

Delta R.T. 0.19 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

Instrument :

MSVOA_W

ClientSampled :

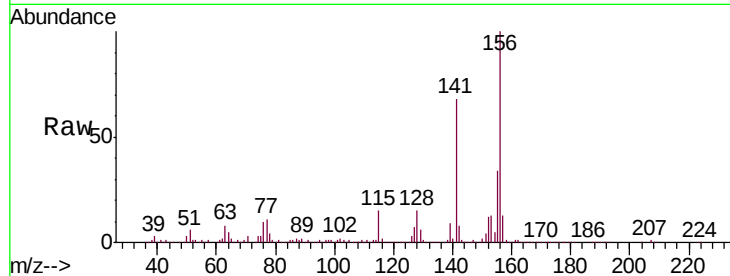
Tot Ion:156 Resp: 1325312

Ion Ratio Lower Upper

156 100

77 0.0 96.2 288.6#

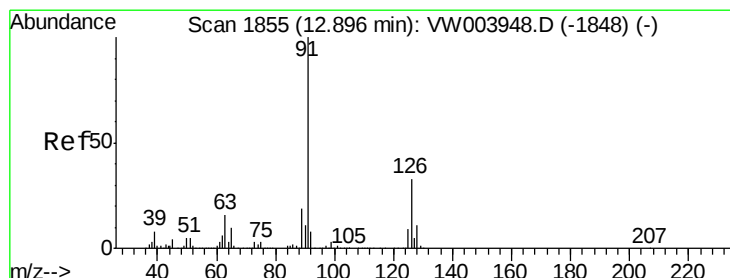
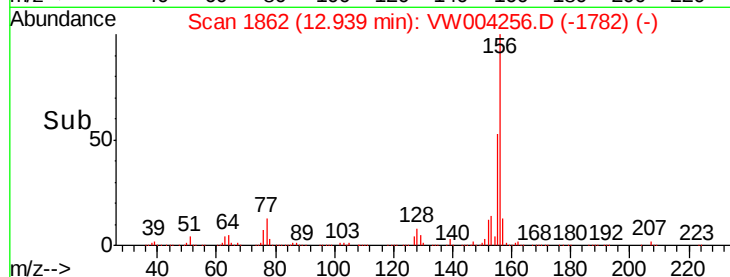
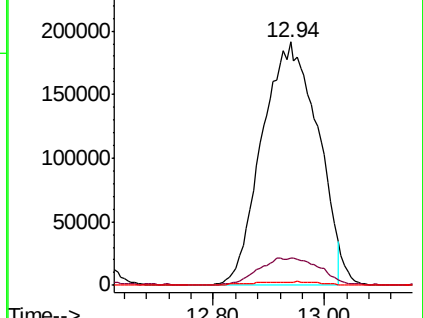
158 1.3 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: 1.006 ug/l

RT: 12.93 min Scan# 1860

Delta R.T. 0.03 min

Lab File: VW004256.D

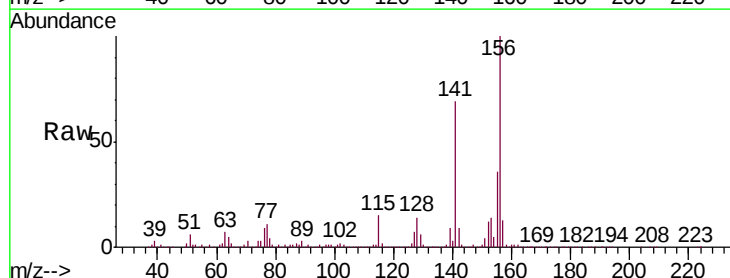
Acq: 27 Jul 2018 06:45

Tgt Ion: 91 Resp: 4340

Ion Ratio Lower Upper

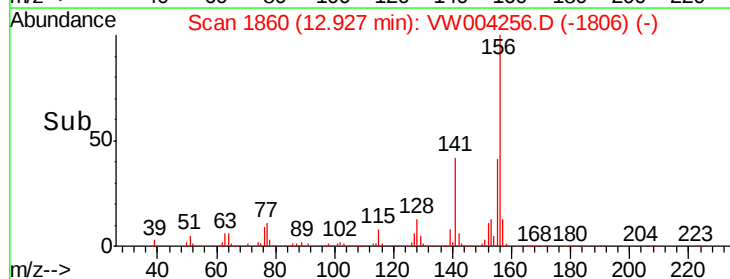
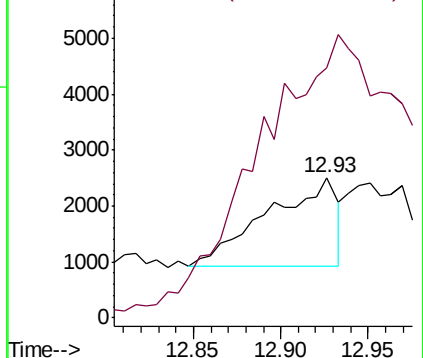
91 100

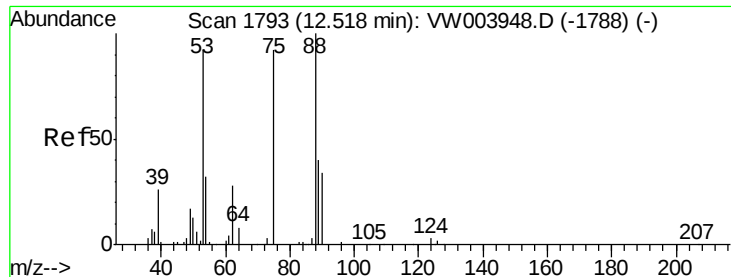
126 813.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

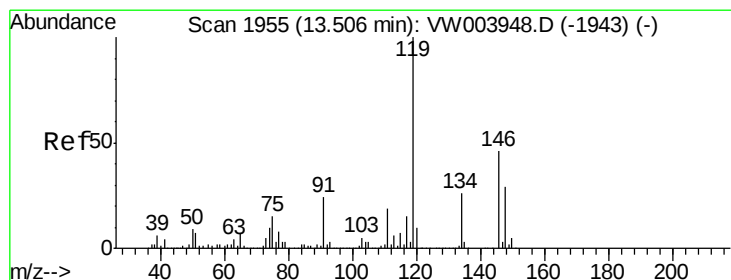
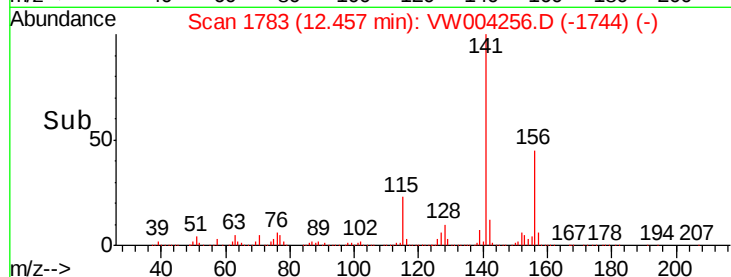
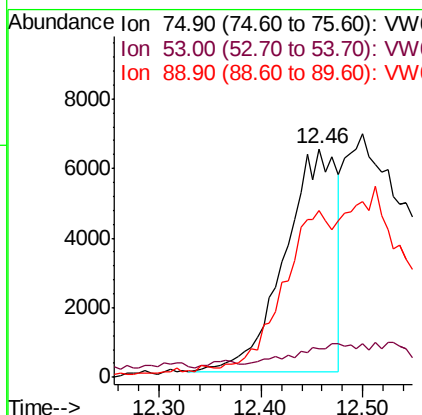
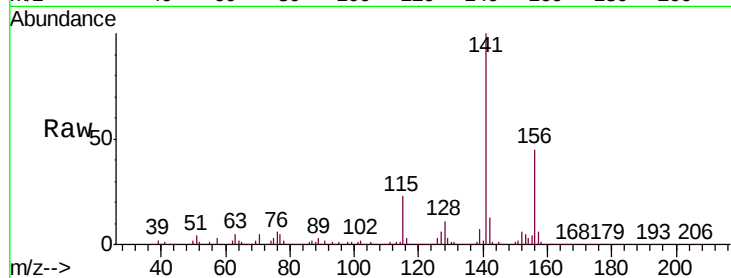




#81
trans-1,4-Dichloro-2-butene
Concen: 57.186 ug/l
RT: 12.46 min Scan# 1783
Delta R.T. -0.06 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

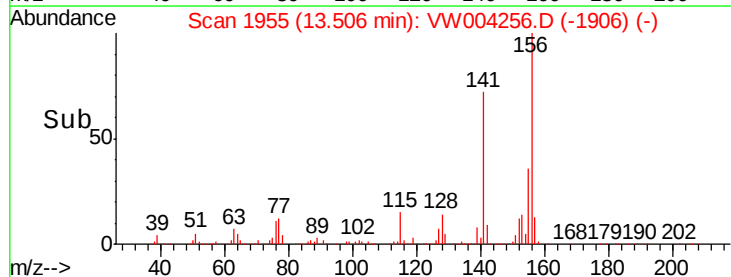
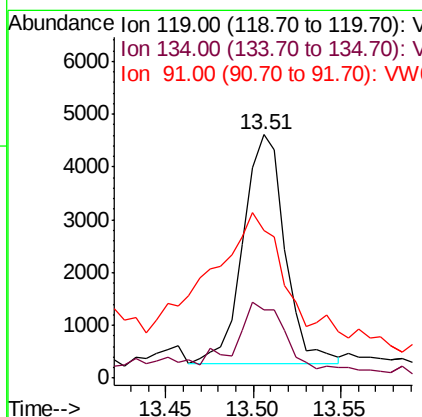
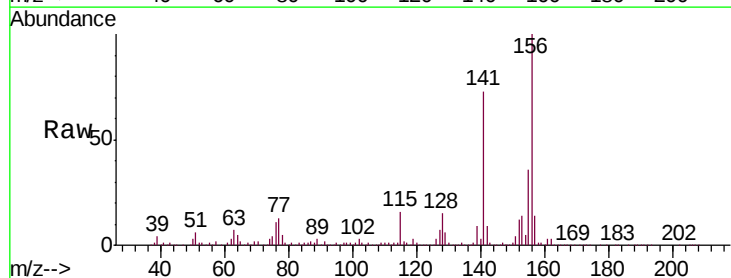
Instrument :
MSVOA_W
ClientSampleId :

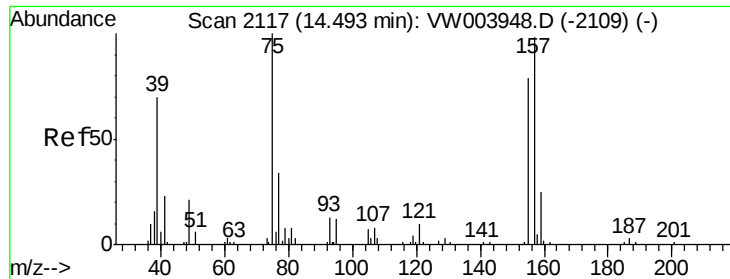
Tot Ion: 75 Resp: 22643
Ion Ratio Lower Upper
75 100
53 9.5 77.6 116.4#
89 63.4 36.6 54.8#



#86
p-Isopropyltoluene
Concen: 1.260 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW004256.D
Acq: 27 Jul 2018 06:45

Tgt Ion: 119 Resp: 7222
Ion Ratio Lower Upper
119 100
134 36.9 13.0 38.9
91 94.2 11.8 35.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.124 ug/l

RT: 14.49 min Scan# 2116

Delta R.T. -0.01 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

Instrument :

MSVOA_W

ClientSampleId :

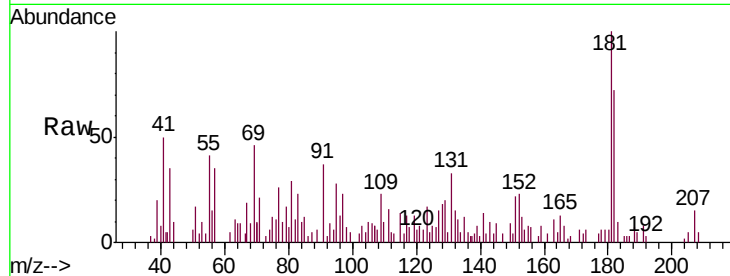
Tot Ion: 75 Resp: 241

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

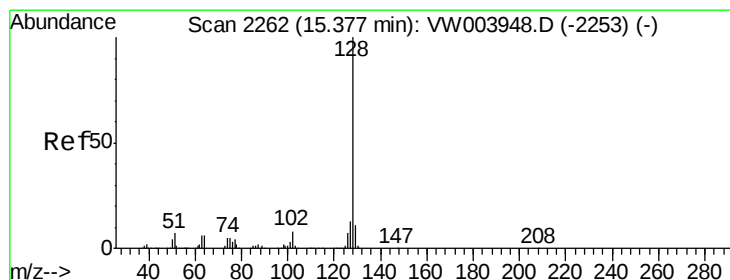
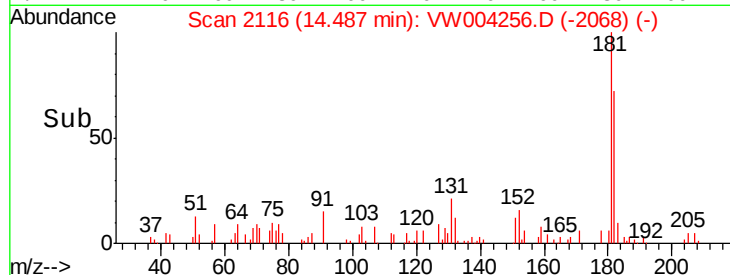
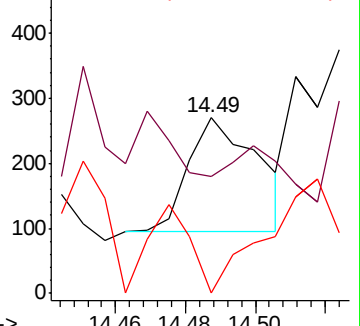
157 0.0 51.8 155.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 39.266 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004256.D

Acq: 27 Jul 2018 06:45

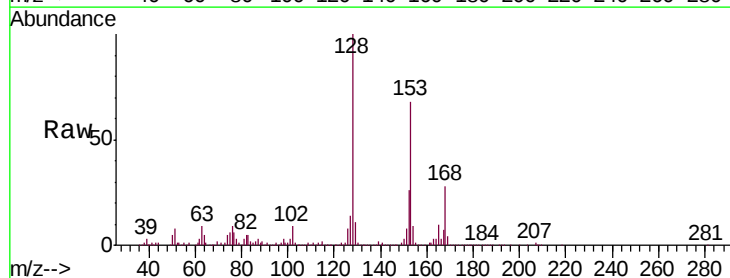
Tgt Ion:128 Resp: 135112

Ion Ratio Lower Upper

128 100

127 14.7 10.7 16.1

129 10.6 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

