

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004159.D
 Acq On : 24 Jul 2018 02:27
 Operator : SY/AP
 Sample : J4062-13
 Misc : 7.35G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:49:48 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	141090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	253052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	72128	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	92872	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	
35) Dibromofluoromethane	7.88	113	78917	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.33	98	238600	37.87	ug/l	0.00
Spiked Amount			Recovery	=	75.74%	
62) 4-Bromofluorobenzene	12.62	95	63651	28.02	ug/l	0.00
Spiked Amount			Recovery	=	56.04%	

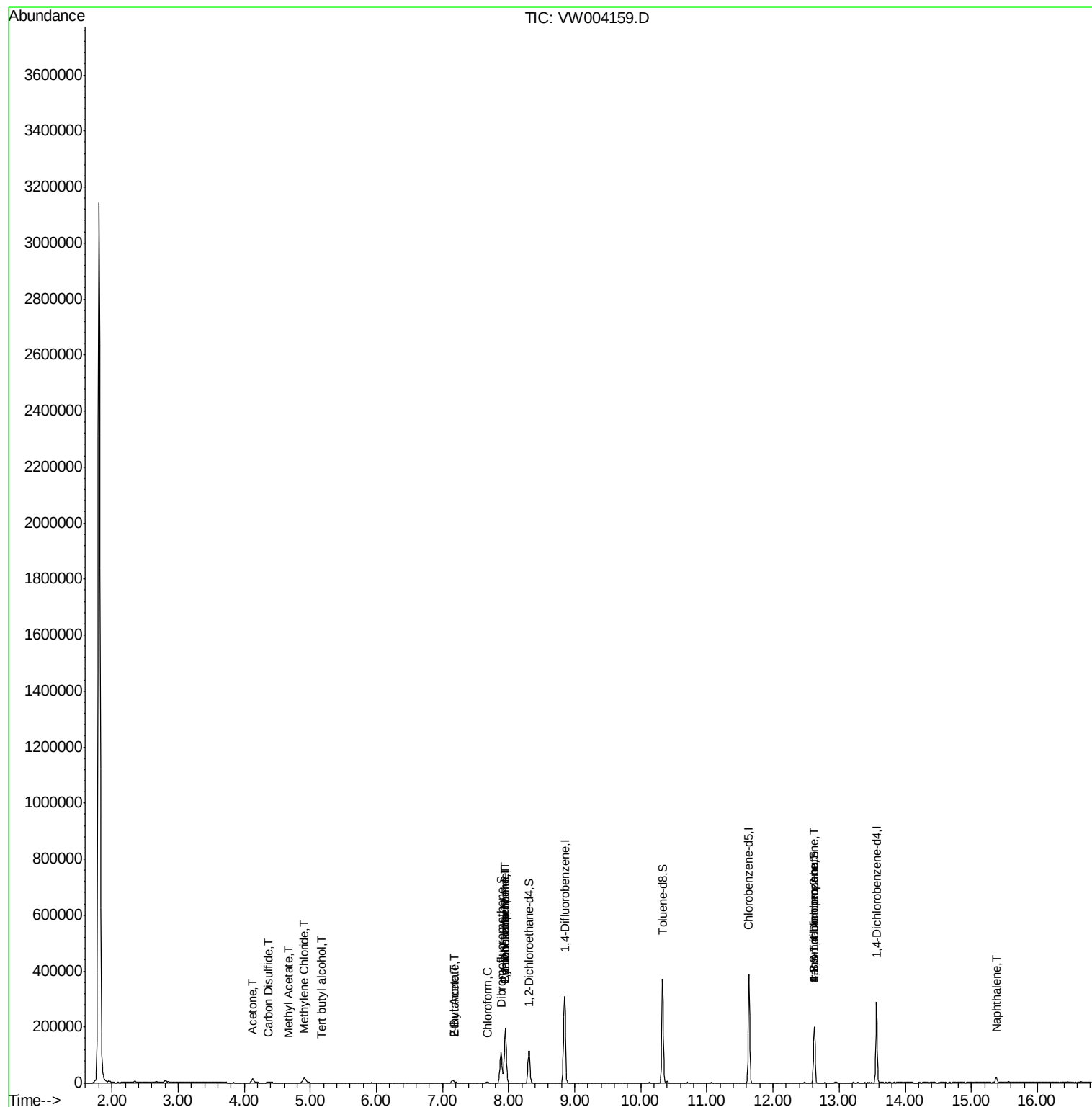
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	288	2.645	ug/l #	72
16) Acetone	4.13	43	26211	69.162	ug/l	98
17) Carbon Disulfide	4.37	76	8783	2.052	ug/l #	91
18) Methyl Acetate	4.67	43	1891	2.079	ug/l #	86
20) Methylene Chloride	4.90	84	14967	1.288	ug/l	91
25) 2-Butanone	7.19	43	3724	7.302	ug/l	95
30) Chloroform	7.68	83	3480	1.254	ug/l	85
31) Cyclohexane	7.95	56	3787	1.447	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	12494	4.799	ug/l #	49
37) Ethyl Acetate	7.19	43	3724	2.965	ug/l #	70
38) Carbon Tetrachloride	7.95	117	13868	5.701	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	32966	46.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32966	101.834	ug/l #	11
95) Naphthalene	15.38	128	16437	5.843	ug/l	97

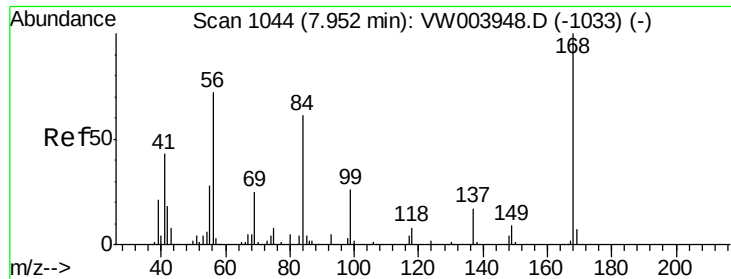
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\
Data File : VW004159.D
Acq On : 24 Jul 2018 02:27
Operator : SY/AP
Sample : J4062-13
Misc : 7.35G/5ML/MSVOA W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 24 04:49:48 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: VW004159.D

Acq: 24 Jul 2018 02:27

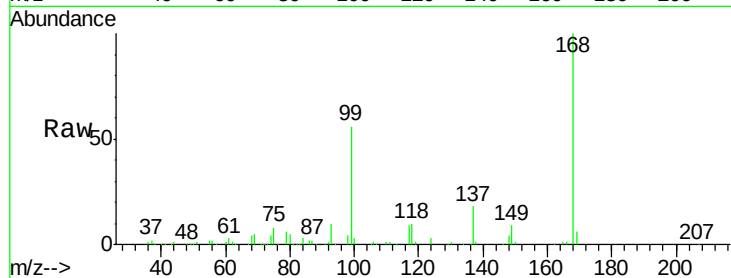
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 141090

Ion Ratio Lower Upper

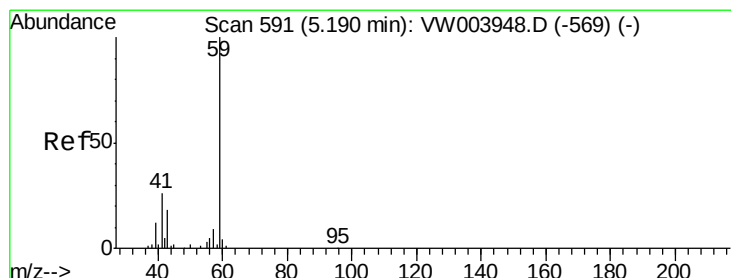
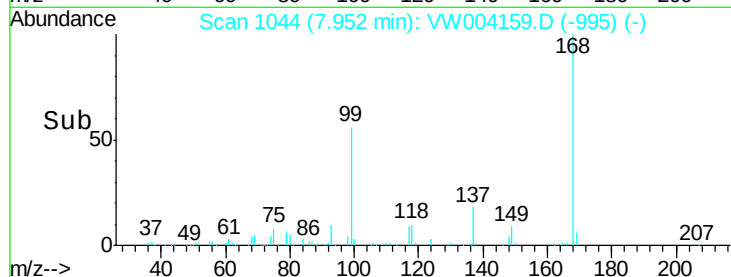
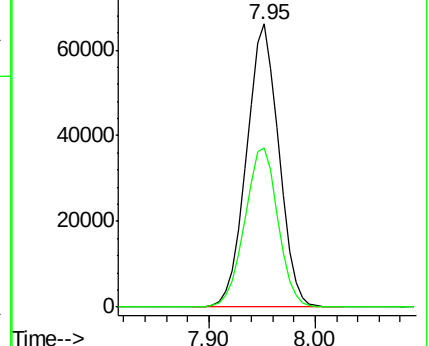
168 100

99 56.1 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: 2.645 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.01 min

Lab File: VW004159.D

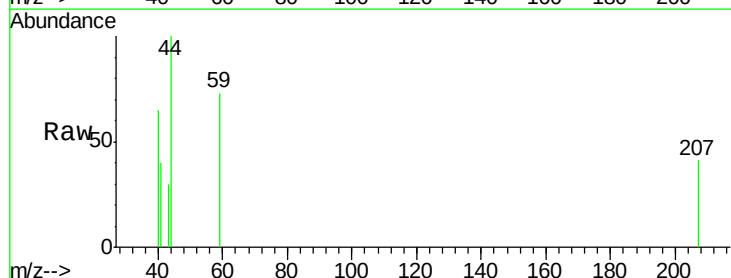
Acq: 24 Jul 2018 02:27

Tgt Ion: 59 Resp: 288

Ion Ratio Lower Upper

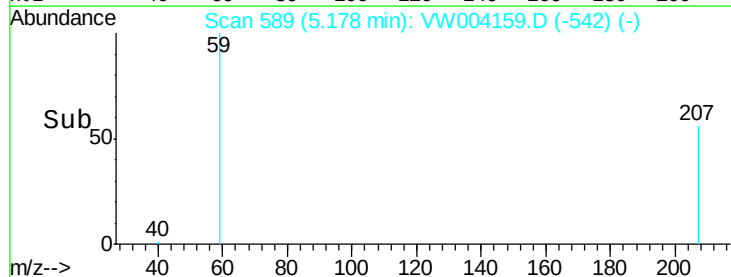
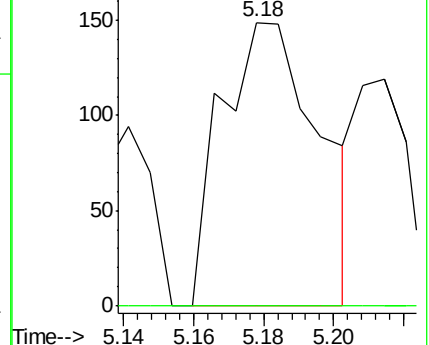
59 100

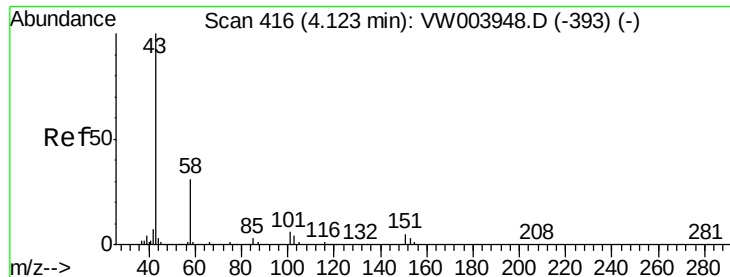
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 69.162 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA_W

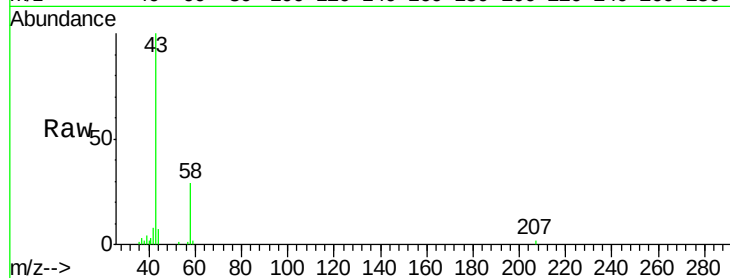
ClientSampled :

Tot Ion: 43 Resp: 26211

Ion Ratio Lower Upper

43 100

58 29.2 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

10000

8000

6000

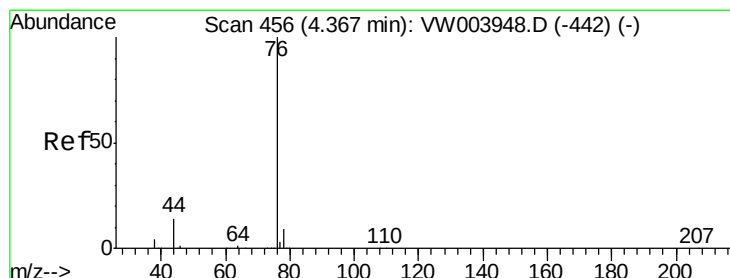
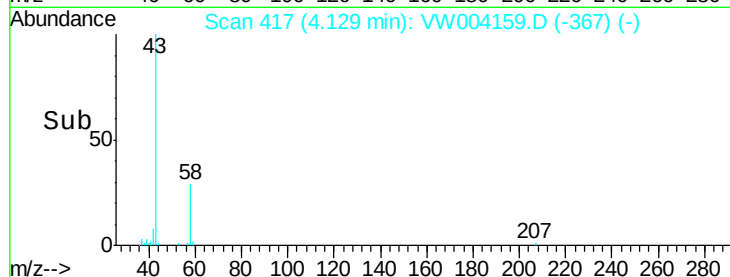
4000

2000

0

Time-->

4.00 4.10 4.20



#17

Carbon Disulfide

Concen: 2.052 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004159.D

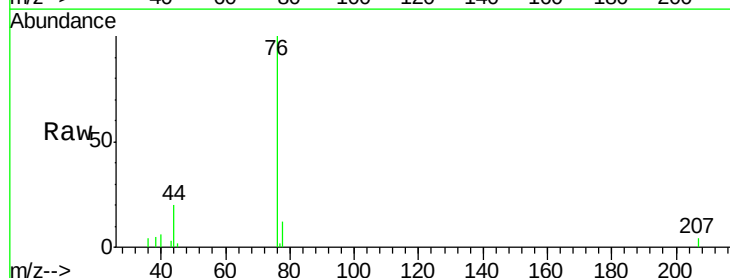
Acq: 24 Jul 2018 02:27

Tgt Ion: 76 Resp: 8783

Ion Ratio Lower Upper

76 100

78 12.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

3000

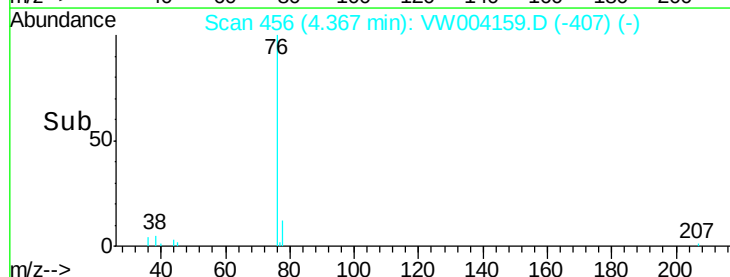
2000

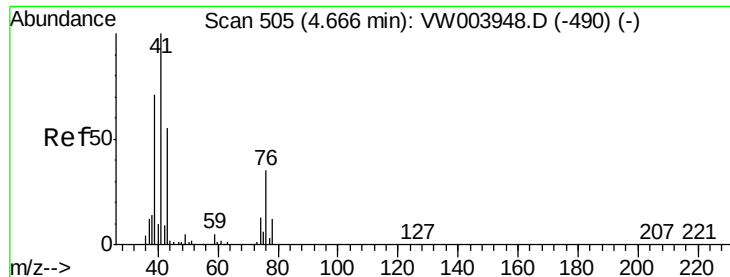
1000

0

Time-->

4.30 4.40 4.50

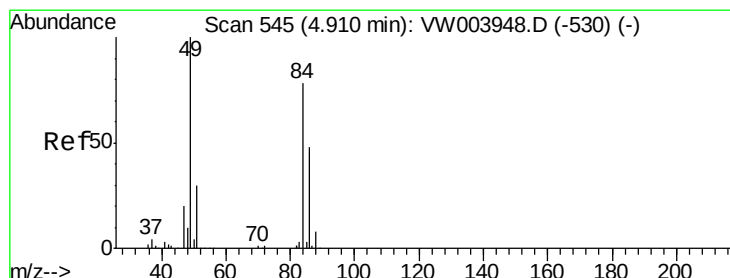
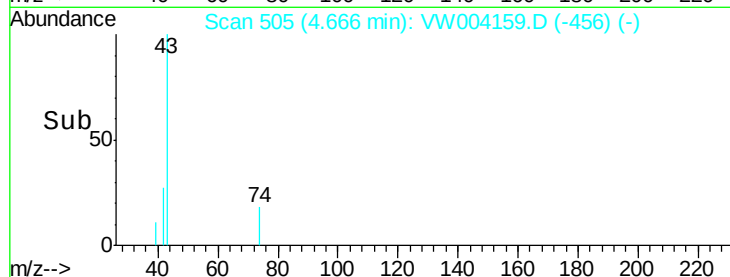
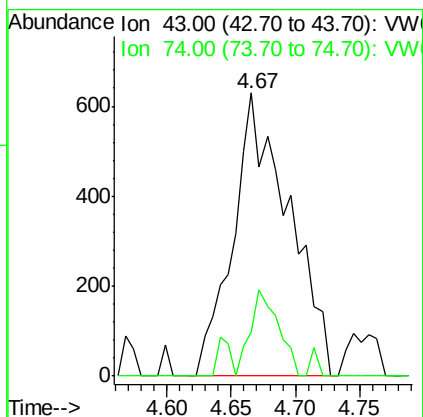
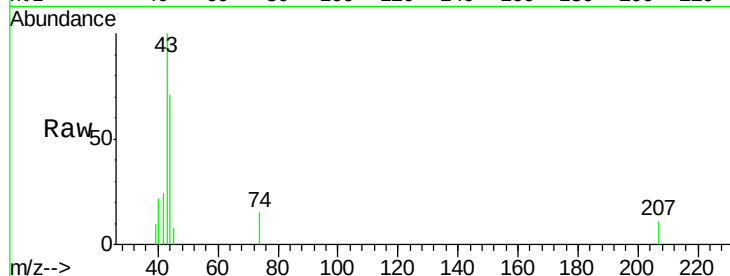




#18
Methvl Acetate
Concen: 2.079 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

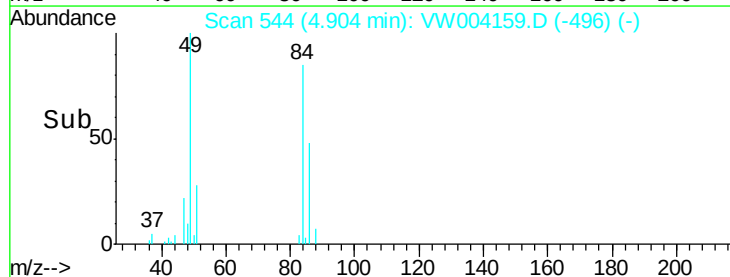
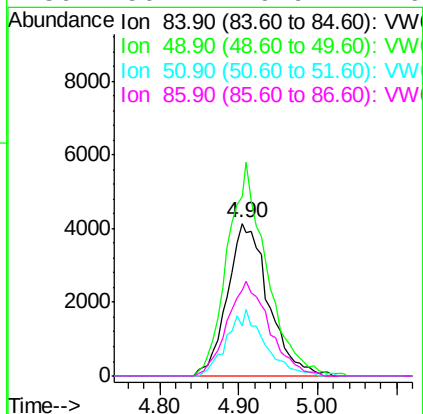
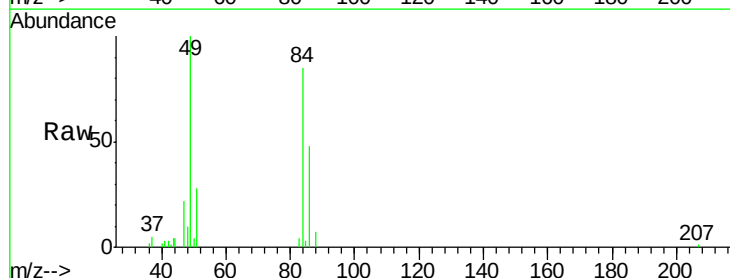
Instrument :
MSVOA_W
ClientSampleId :

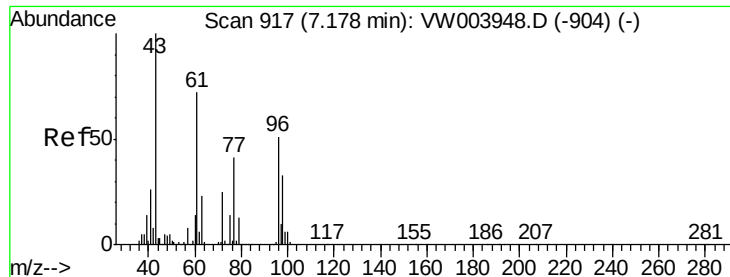
Tot Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
74 15.3 17.7 26.5#



#20
Methylene Chloride
Concen: 1.288 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Tgt Ion: 84 Resp: 14967
Ion Ratio Lower Upper
84 100
49 117.4 102.9 154.3
51 32.5 30.9 46.3
86 56.4 49.9 74.9





#25

2-Butanone

Concen: 7.302 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

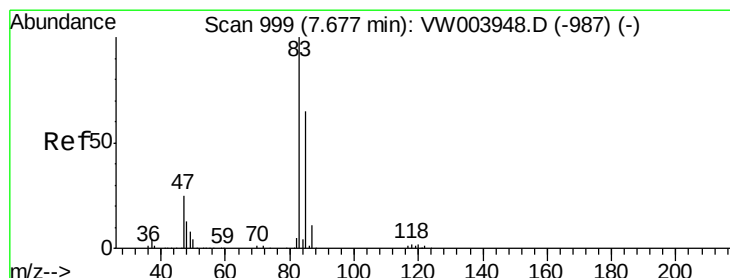
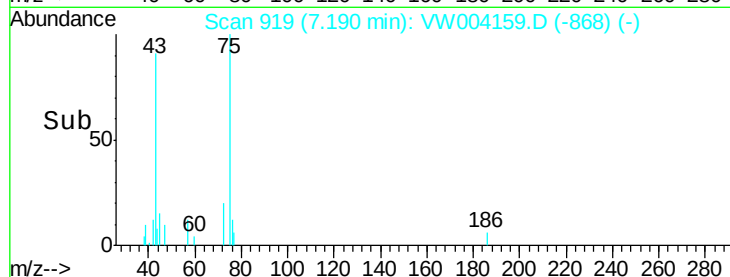
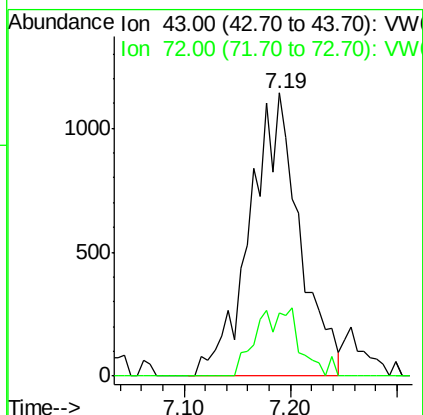
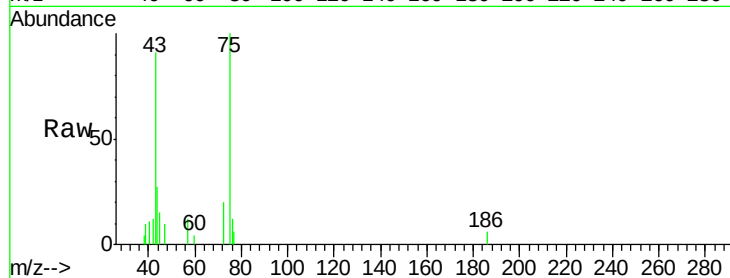
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

72 22.4 19.8 29.6



#30

Chloroform

Concen: 1.254 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004159.D

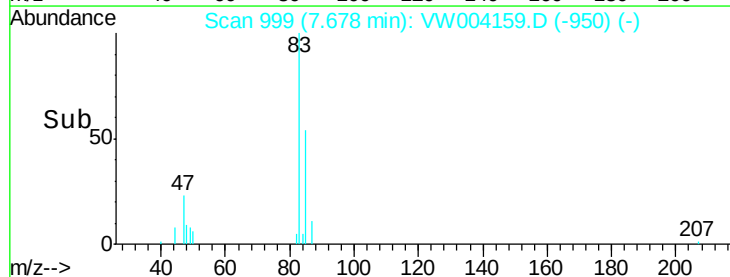
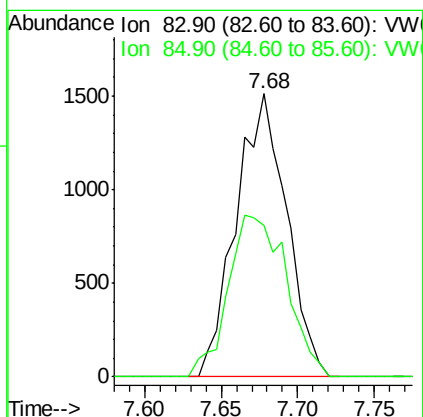
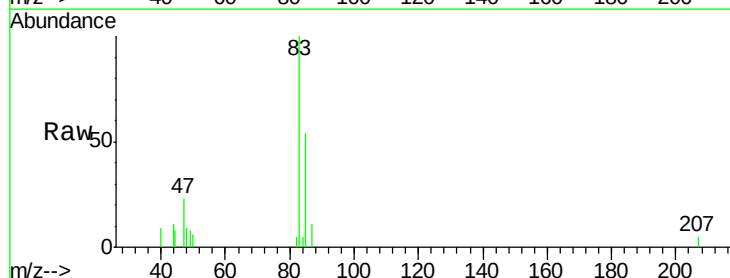
Acq: 24 Jul 2018 02:27

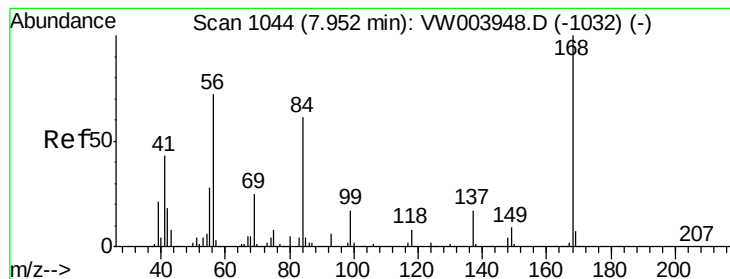
Tgt Ion: 83 Resp: 3480

Ion Ratio Lower Upper

83 100

85 53.7 52.2 78.4





#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA_W

ClientSampled :

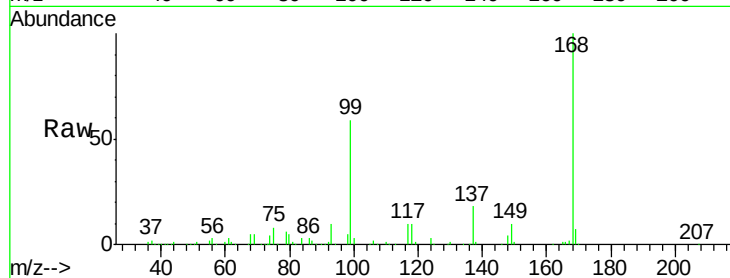
Tot Ion: 56 Resp: 3787

Ion Ratio Lower Upper

56 100

69 177.7 27.8 41.8#

84 114.9 67.2 100.8#

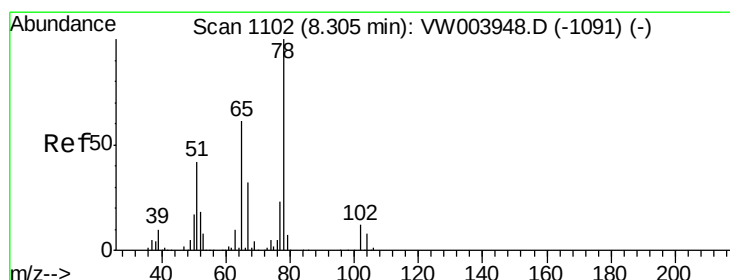
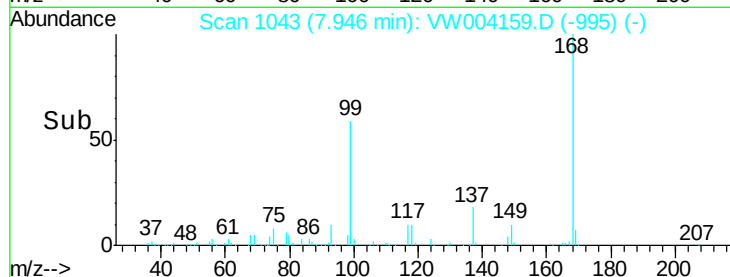
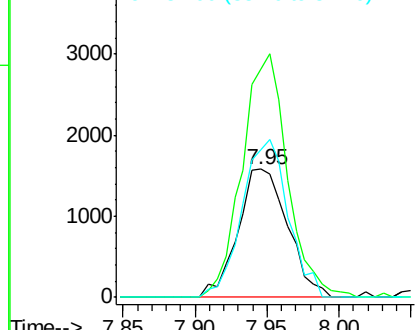


Abundance

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



#33

1,2-Dichloroethane-d4

Concen: 58.888 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW004159.D

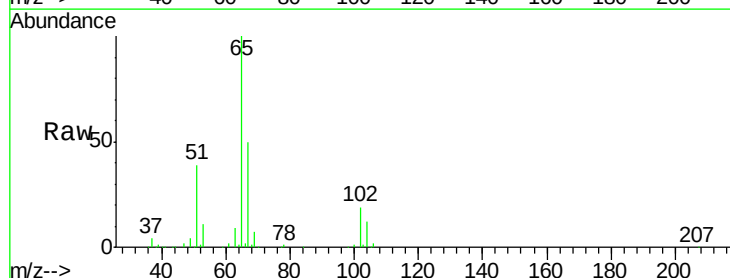
Acq: 24 Jul 2018 02:27

Tgt Ion: 65 Resp: 92872

Ion Ratio Lower Upper

65 100

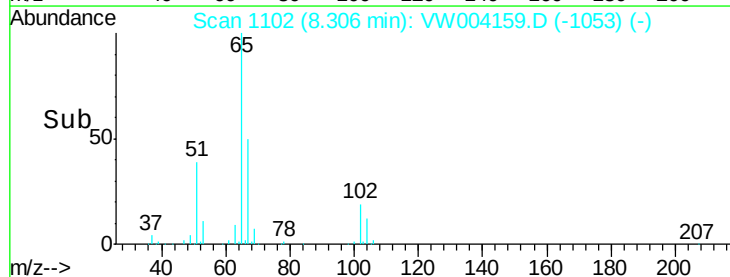
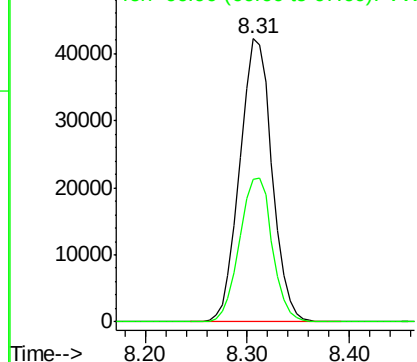
67 51.5 0.0 105.0

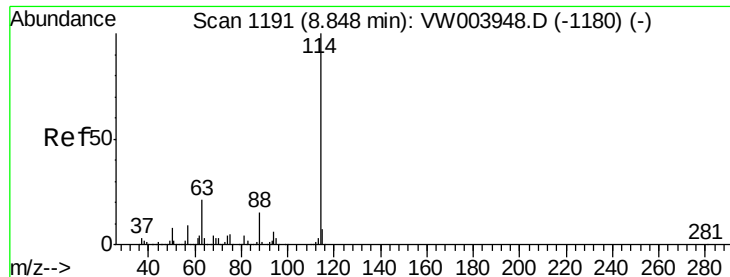


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

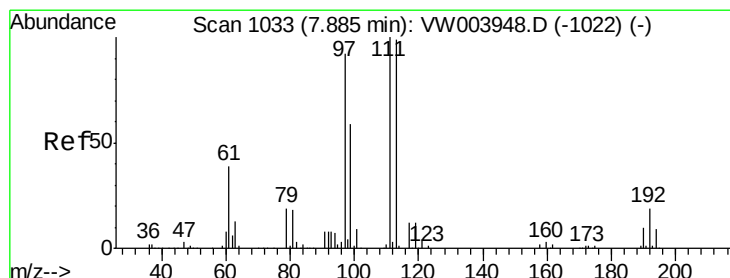
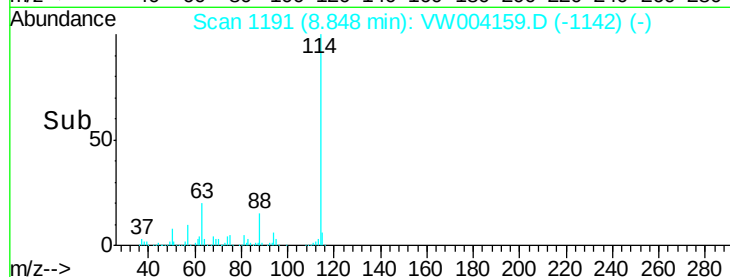
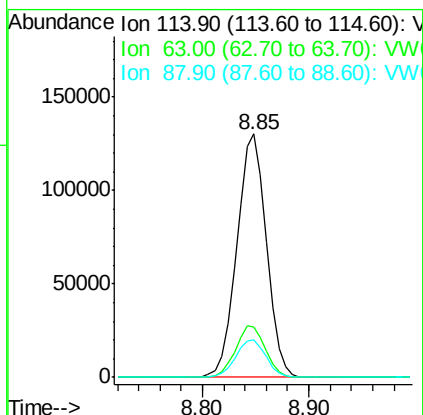
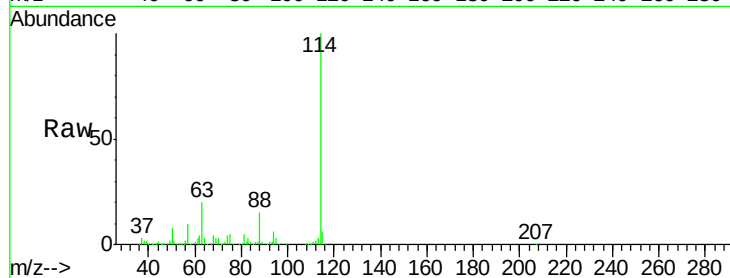




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004159.D
 Acq: 24 Jul 2018 02:27

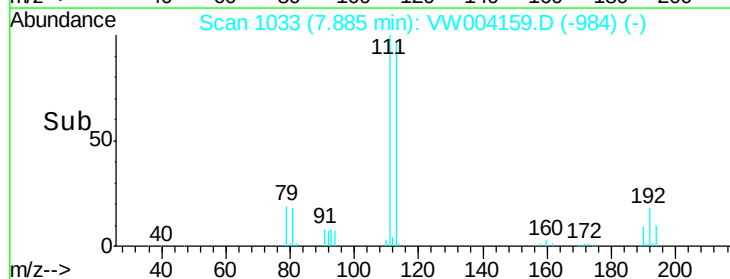
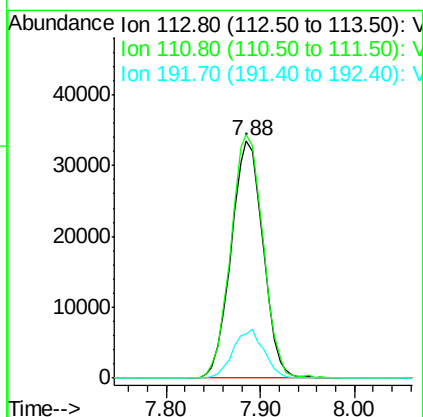
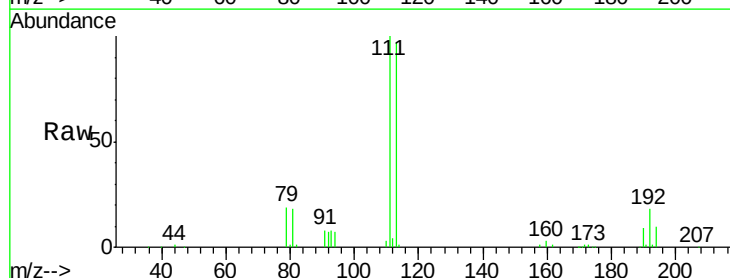
Instrument :
 MSVOA_W
 ClientSampleId :

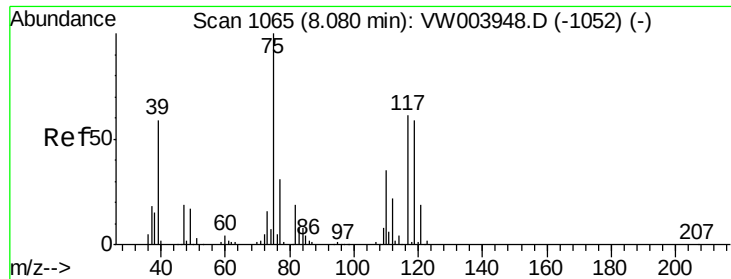
Tot Ion:114 Resp: 253052
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 48.605 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004159.D
 Acq: 24 Jul 2018 02:27

Tgt Ion:113 Resp: 78917
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.3 121.9
 192 19.9 15.8 23.6





#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

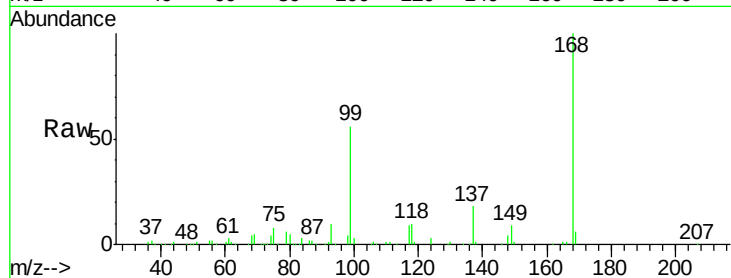
Tot Ion: 75 Resp: 12494

Ion Ratio Lower Upper

75 100

110 7.5 17.0 51.0#

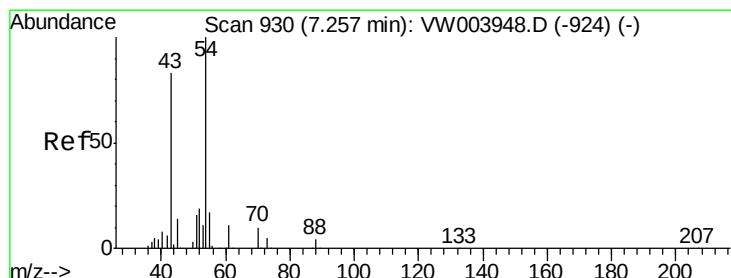
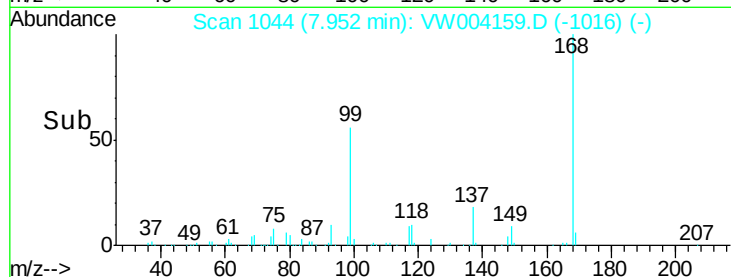
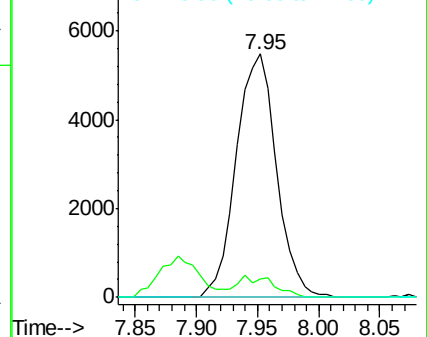
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.965 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

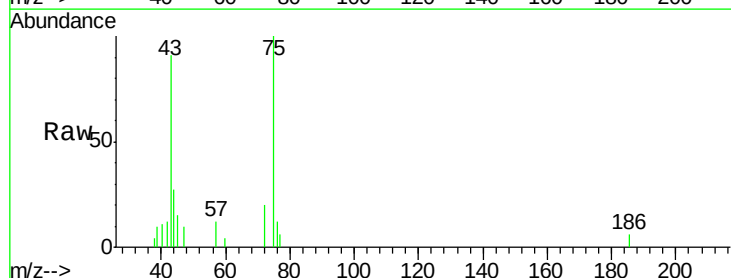
Tgt Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

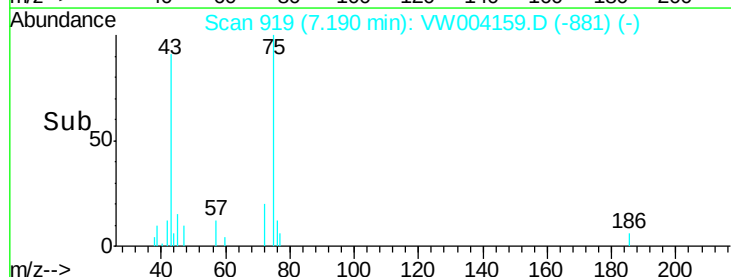
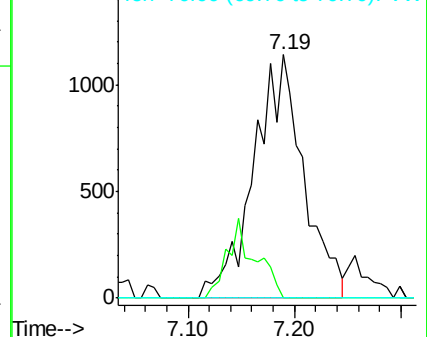
70 0.0 7.7 11.5#

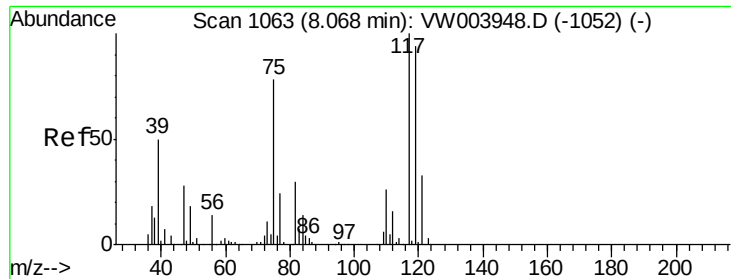


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

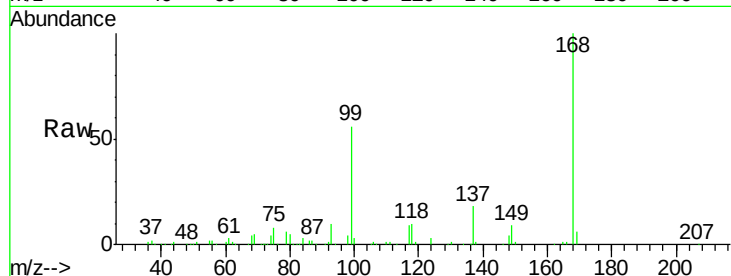




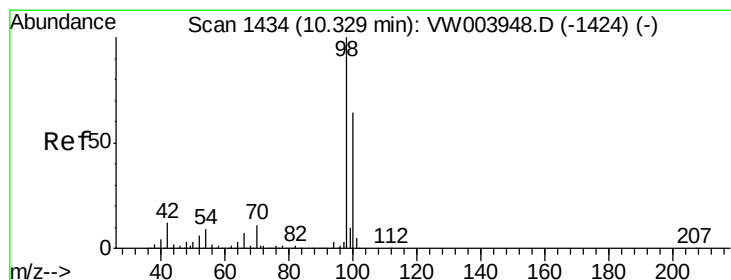
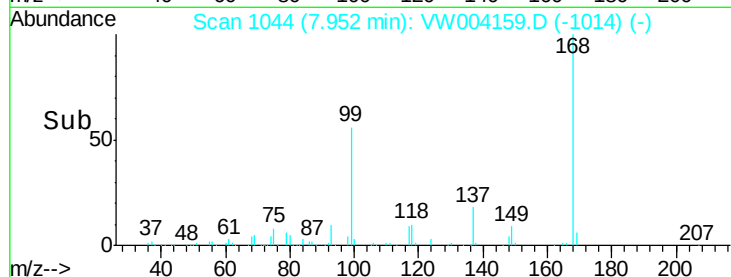
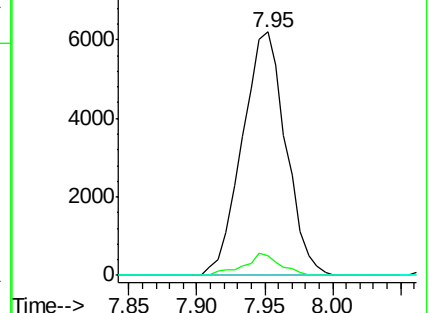
#38
Carbon Tetrachloride
Concen: 5.701 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 13868
Ion Ratio Lower Upper
117 100
119 8.1 75.3 112.9#
121 0.0 26.0 39.0#

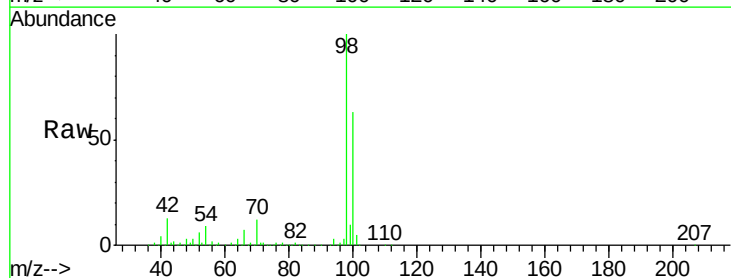


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

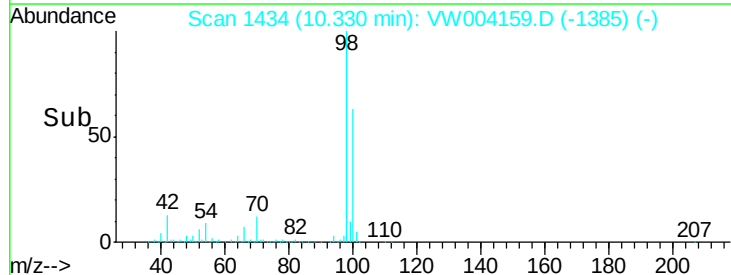
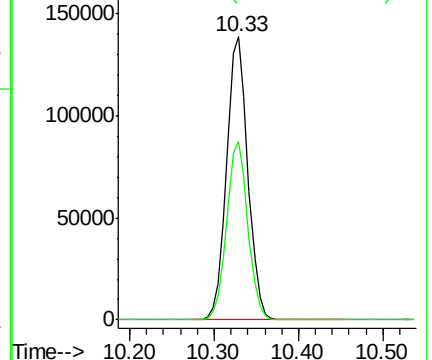


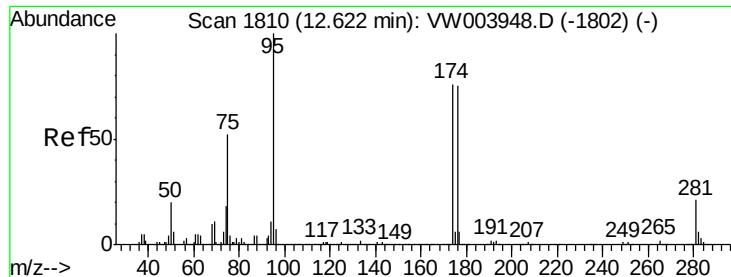
#50
Toluene-d8
Concen: 37.872 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Tgt Ion: 98 Resp: 238600
Ion Ratio Lower Upper
98 100
100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

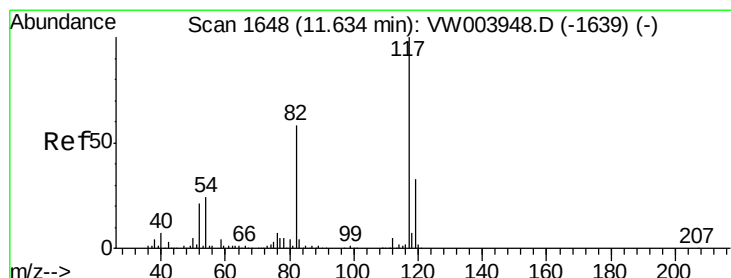
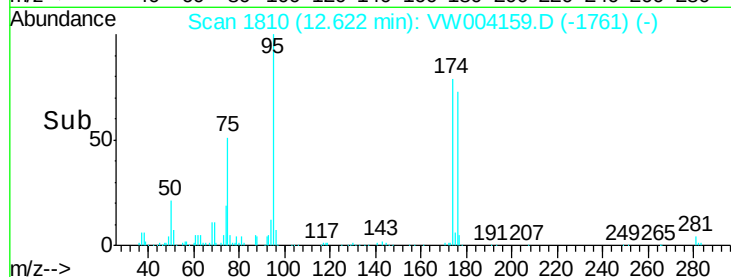
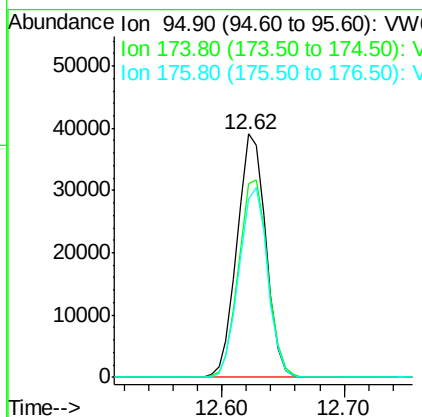
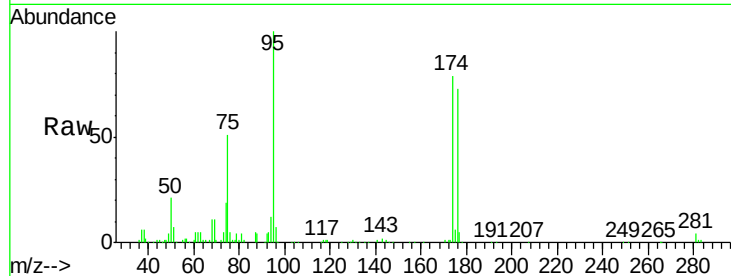




#62
4-Bromofluorobenzene
Concen: 28.017 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

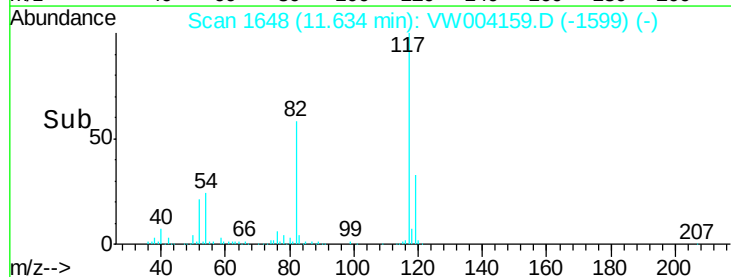
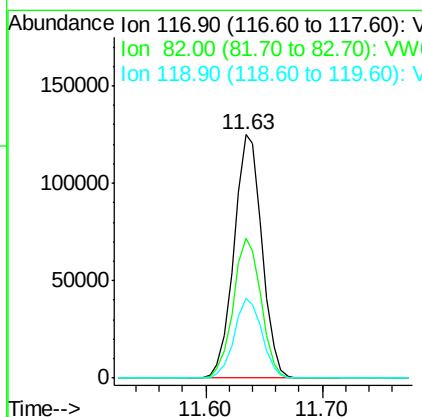
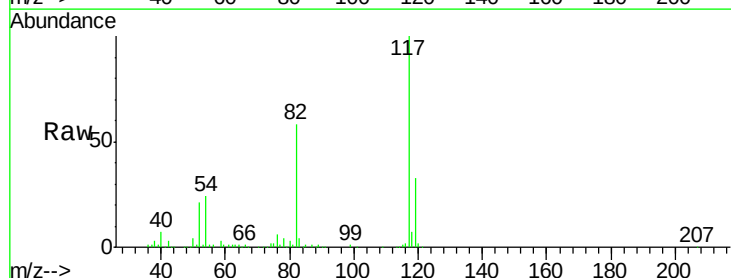
Instrument :
MSVOA_W
ClientSampleId :

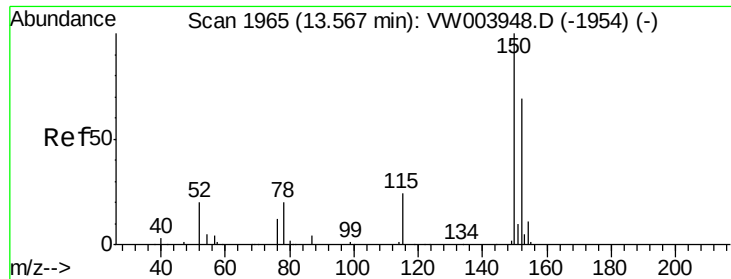
Tot Ion: 95 Resp: 63651
Ion Ratio Lower Upper
95 100
174 82.5 0.0 160.2
176 77.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Tgt Ion: 117 Resp: 208181
Ion Ratio Lower Upper
117 100
82 57.6 46.5 69.7
119 32.5 26.2 39.2



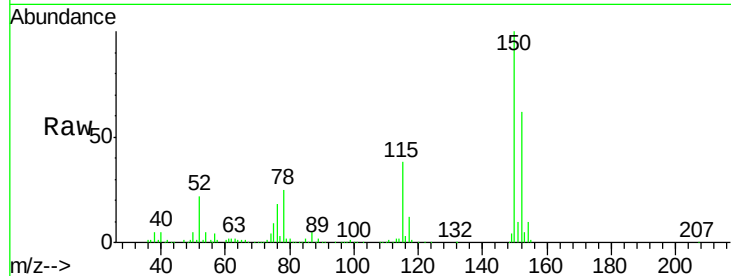


#72

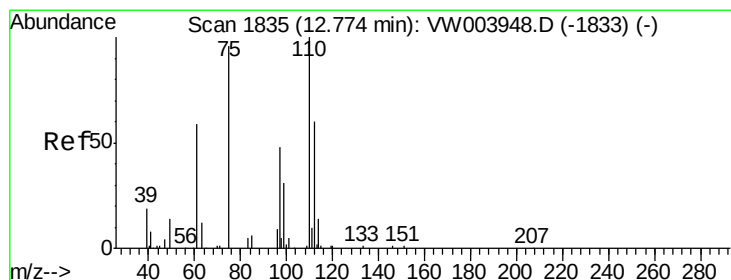
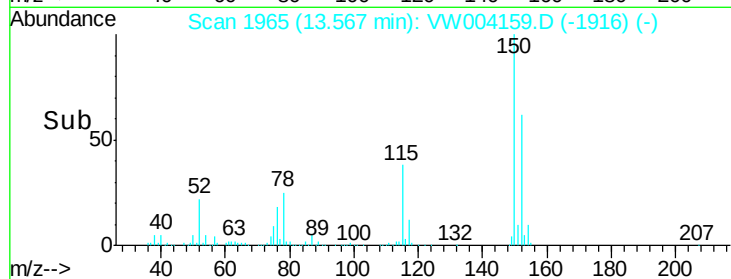
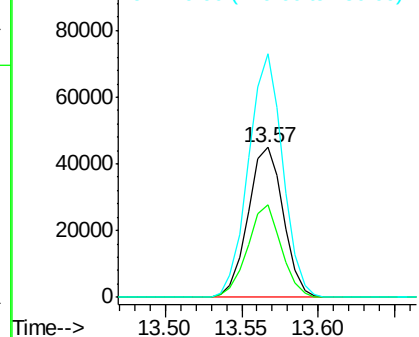
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 72128
Ion Ratio Lower Upper
152 100
115 59.0 29.2 87.6
150 157.3 0.0 345.2



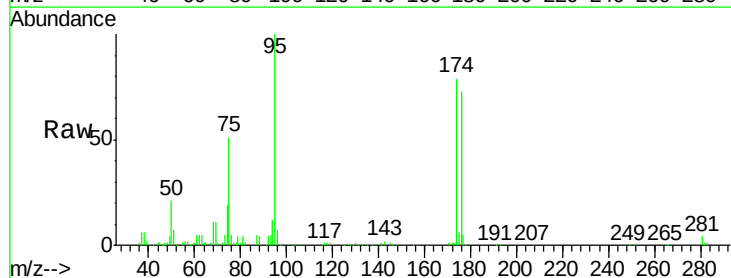
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



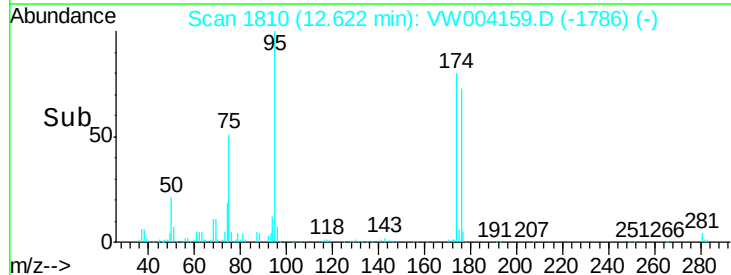
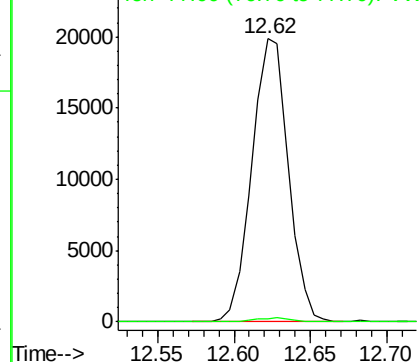
#76

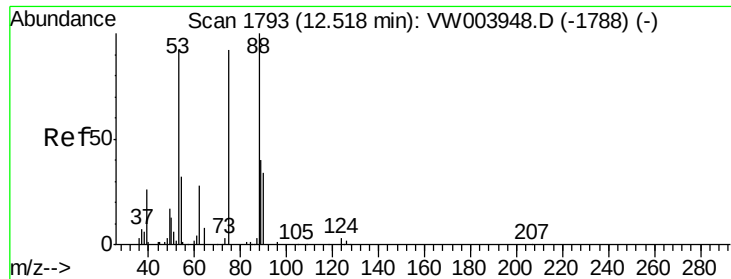
1,2,3-Trichloropropane
Concen: 46.038 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Tgt Ion: 75 Resp: 32966
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



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

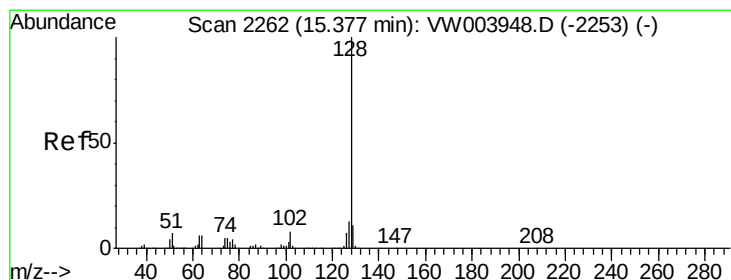
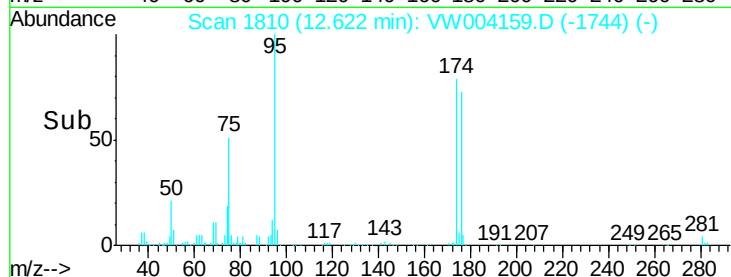
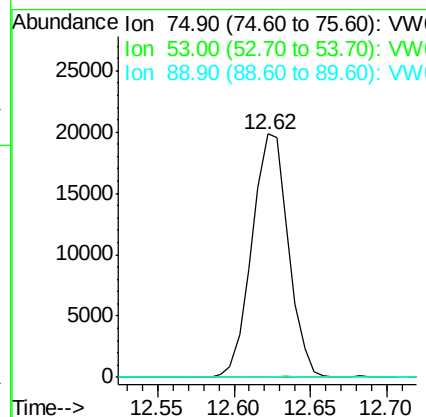
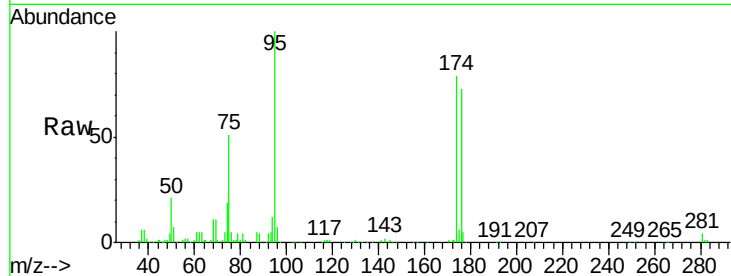




#81
trans-1,4-Dichloro-2-butene
Concen: 101.834 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 32966
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 36.6 54.8#



#95
Naphthalene
Concen: 5.843 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004159.D
Acq: 24 Jul 2018 02:27

Tgt Ion:128 Resp: 16437
Ion Ratio Lower Upper
128 100
127 15.6 10.7 16.1
129 11.2 8.7 13.1

