

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003887.D
 Acq On : 12 Jul 2018 01:44
 Operator : SY/AP
 Sample : J3914-11RE
 Misc : 3.36G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 03:41:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	152414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	239107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41396	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	107907	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	7.88	113	93462	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
50) Toluene-d8	10.33	98	275430	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	
62) 4-Bromofluorobenzene	12.62	95	50774	21.92	ug/l	0.00
Spiked Amount			Recovery	=	43.84%	

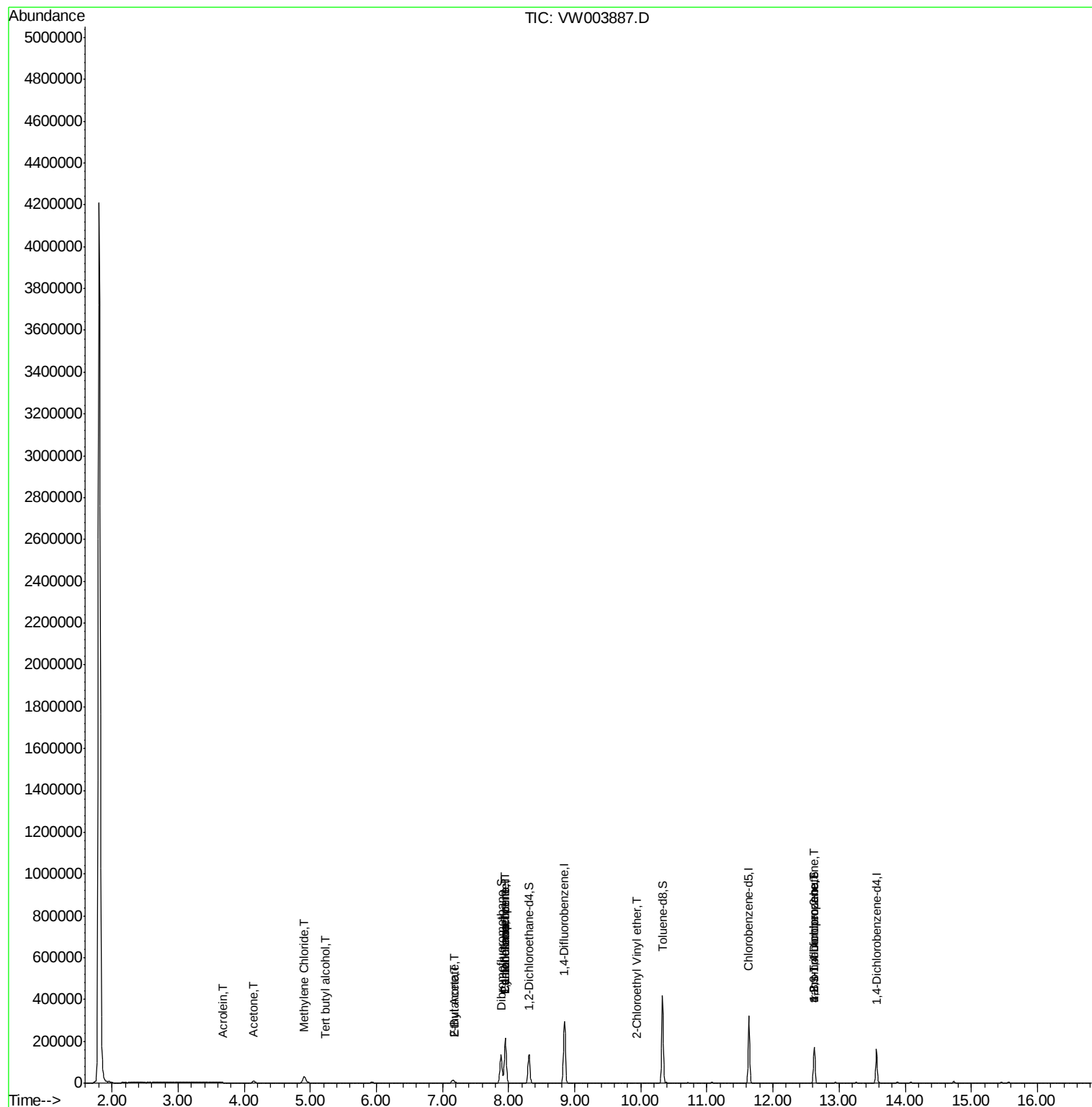
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	226	2.092	ug/l #	70
13) Acrolein	3.69	56	27	4.890	ug/l #	14
16) Acetone	4.14	43	17068	49.357	ug/l	97
20) Methylene Chloride	4.90	84	24473	11.112	ug/l	97
25) 2-Butanone	7.18	43	3569	6.589	ug/l	94
31) Cyclohexane	7.95	56	4138	1.423	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	13166	5.190	ug/l #	50
37) Ethyl Acetate	7.18	43	3569	2.891	ug/l #	70
38) Carbon Tetrachloride	7.95	117	15613	6.473	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.93	63	61	13.233	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	27172	66.843	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27172	163.515	ug/l #	8

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

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QLast Update : Sat Jul 07 05:07:25 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: VW003887.D

Acq: 12 Jul 2018 01:44

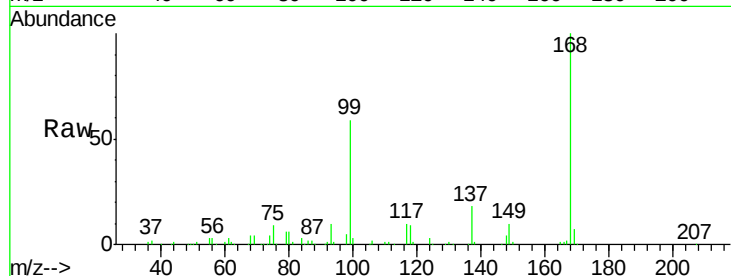
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 152414

Ion Ratio Lower Upper

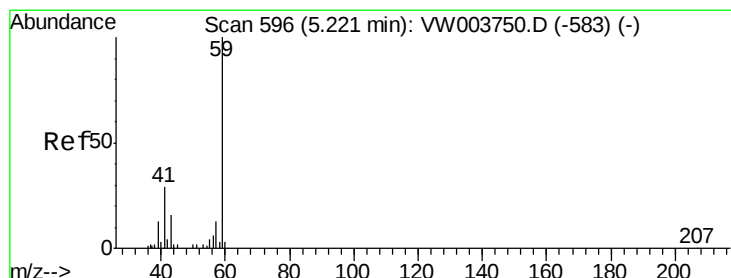
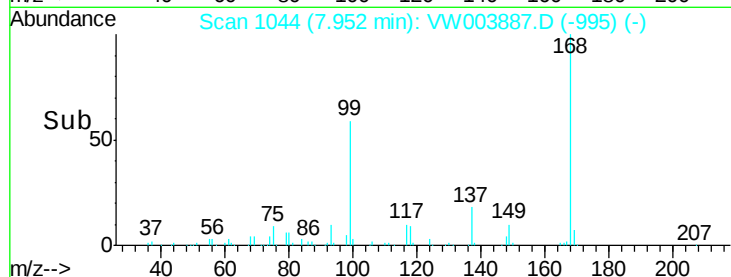
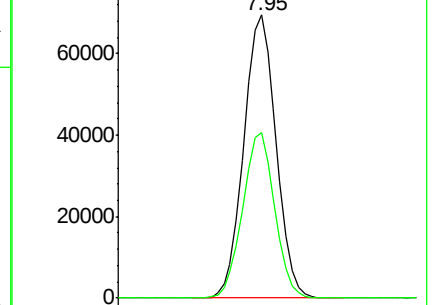
168 100

99 58.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.092 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003887.D

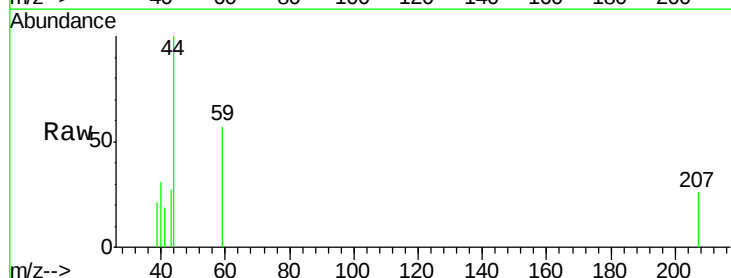
Acq: 12 Jul 2018 01:44

Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

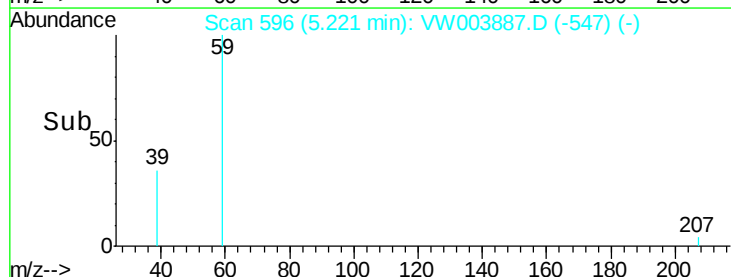
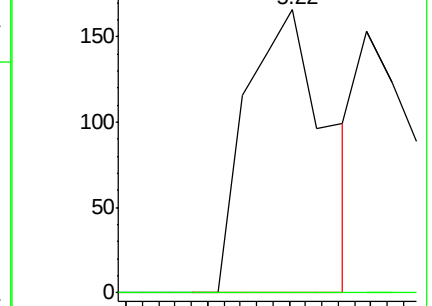
59 100

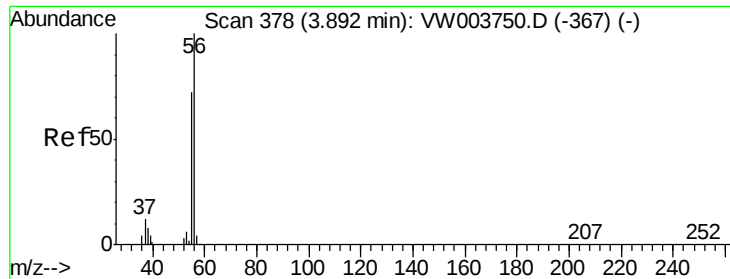
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.890 ug/l

RT: 3.69 min Scan# 345

Delta R.T. -0.20 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Instrument :

MSVOA_W

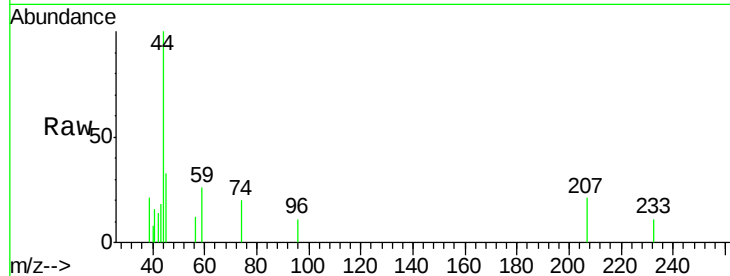
ClientSampled :

Tot Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.69

80

60

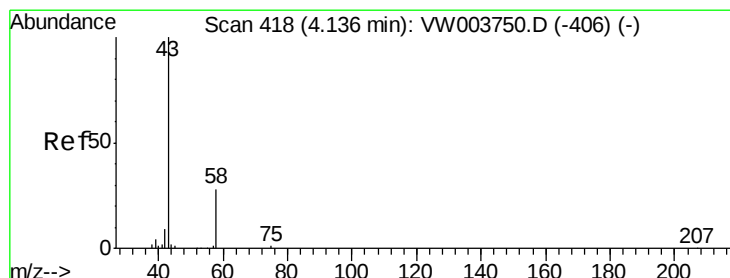
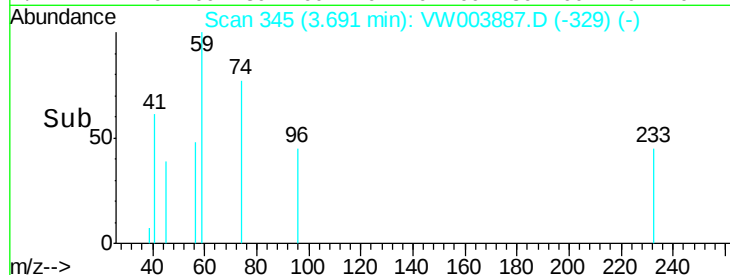
40

20

0

3.67 3.68 3.69 3.70 3.71

Time-->



#16

Acetone

Concen: 49.357 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003887.D

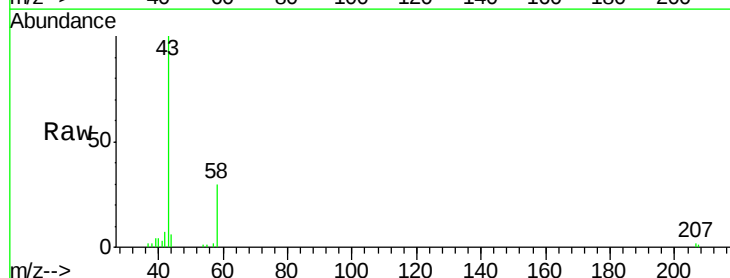
Acq: 12 Jul 2018 01:44

Tgt Ion: 43 Resp: 17068

Ion Ratio Lower Upper

43 100

58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

6000

5000

4000

3000

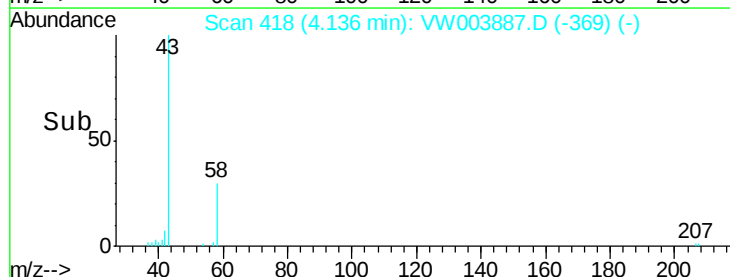
2000

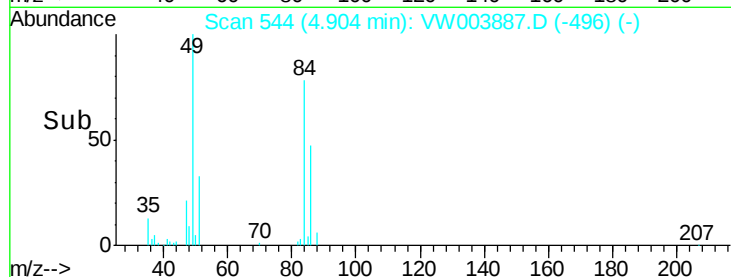
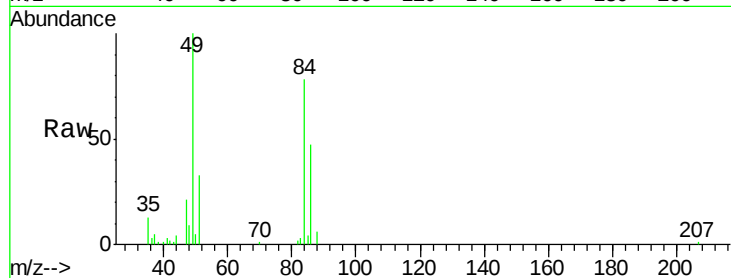
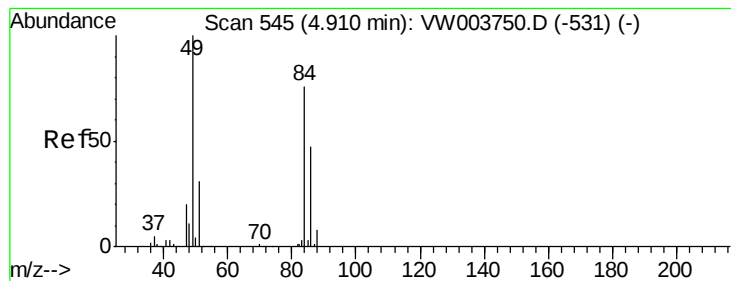
1000

0

4.00 4.10 4.20

Time-->





#20

Methylene Chloride

Concen: 11.112 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 24473

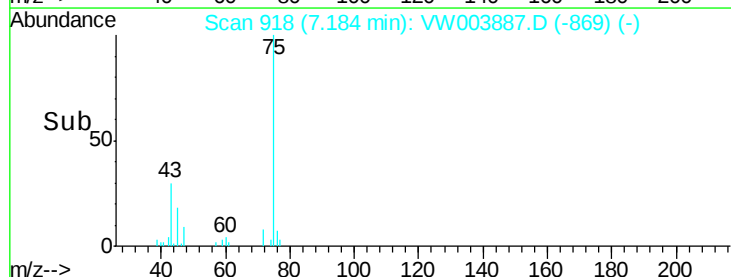
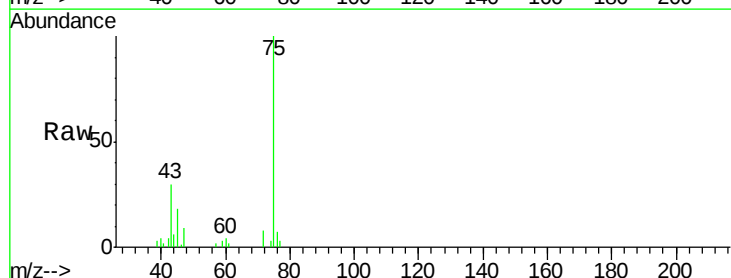
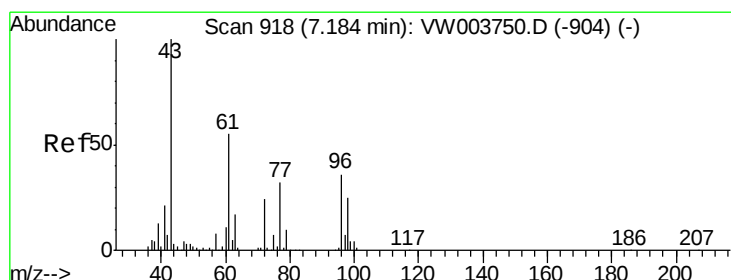
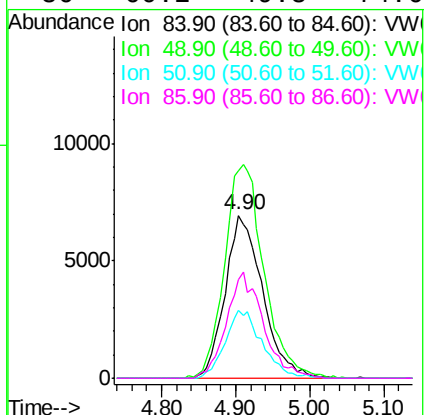
Ion Ratio Lower Upper

84 100

49 127.5 105.1 157.7

51 41.6 32.5 48.7

86 60.2 49.8 74.6



#25

2-Butanone

Concen: 6.589 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003887.D

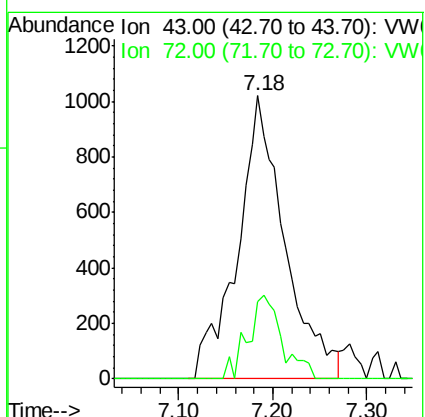
Acq: 12 Jul 2018 01:44

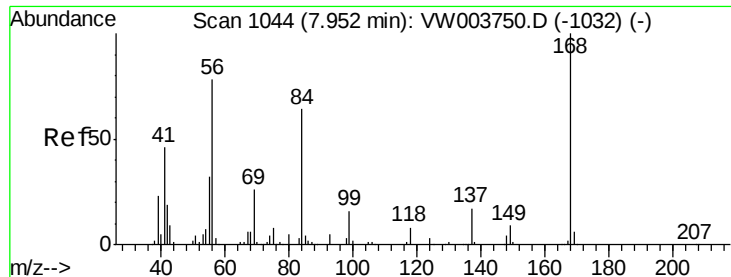
Tgt Ion: 43 Resp: 3569

Ion Ratio Lower Upper

43 100

72 27.5 19.4 29.2





#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Instrument :
MSVOA_W
ClientSampleId :

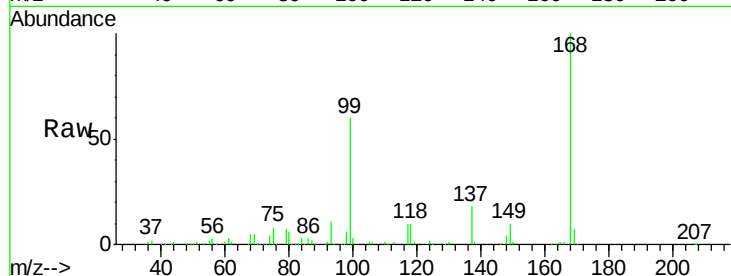
Tot Ion: 56 Resp: 4138

Ion Ratio Lower Upper

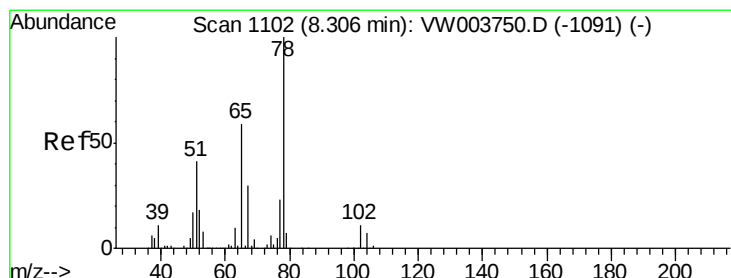
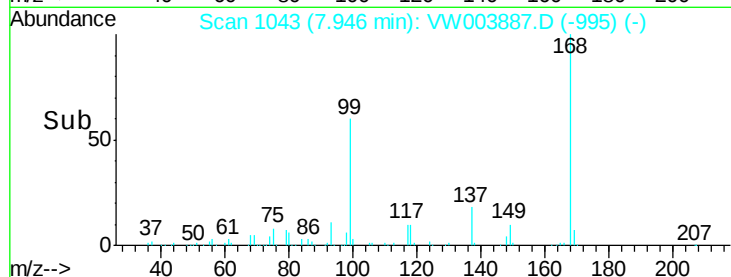
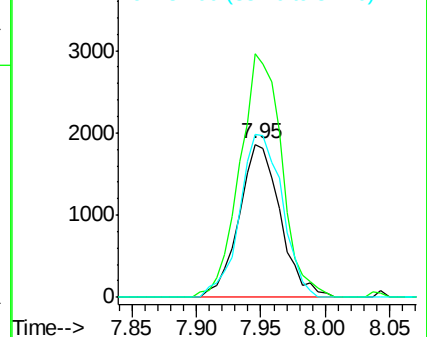
56 100

69 159.4 26.2 39.4#

84 106.5 65.5 98.3#



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: 54.139 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003887.D

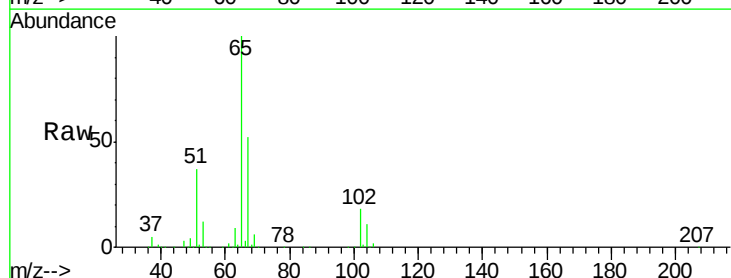
Acq: 12 Jul 2018 01:44

Tgt Ion: 65 Resp: 107907

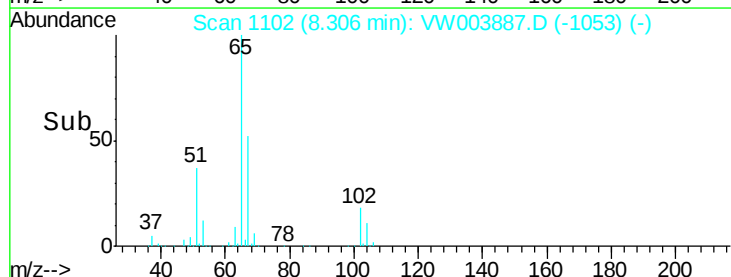
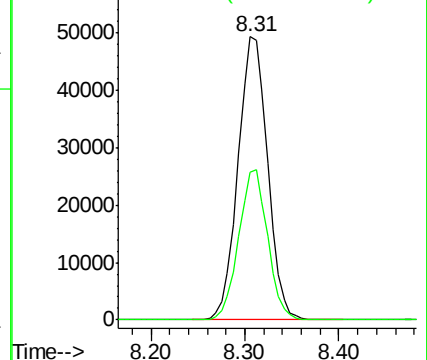
Ion Ratio Lower Upper

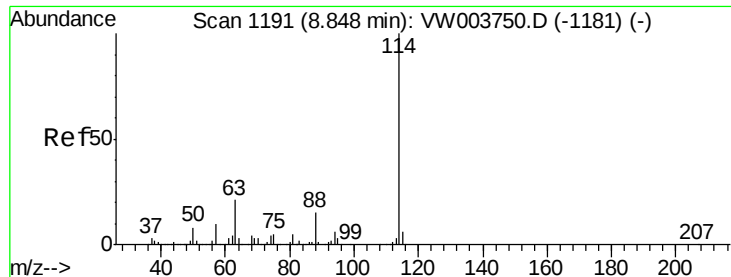
65 100

67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

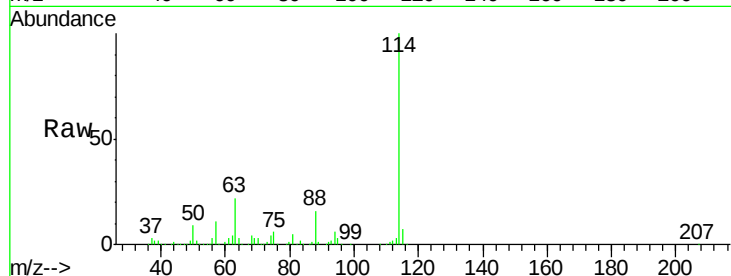




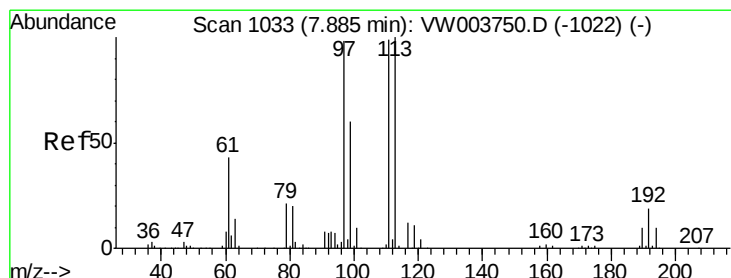
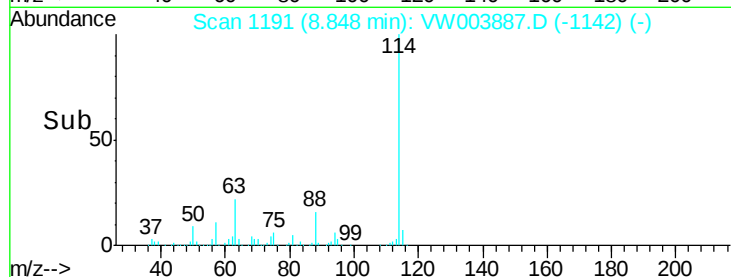
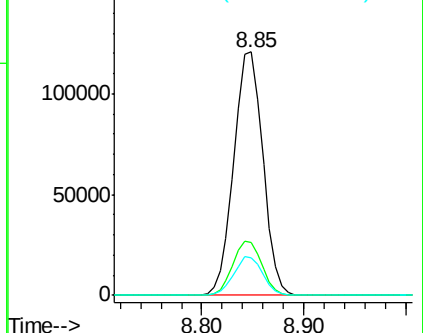
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	15.6	0.0	30.2

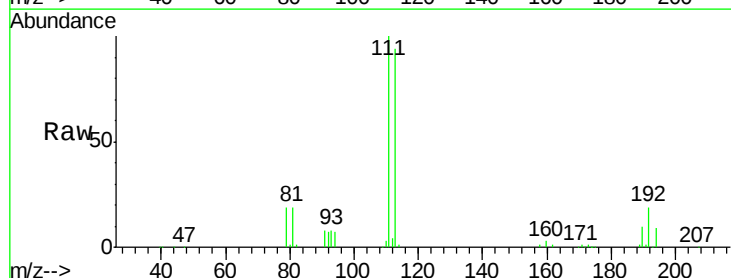


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

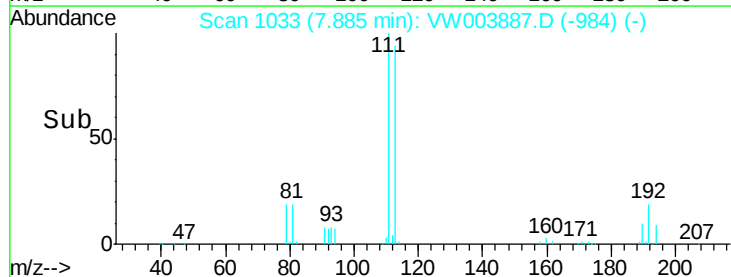
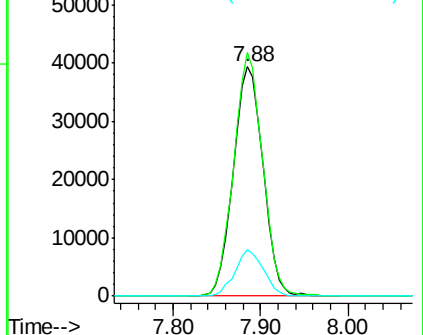


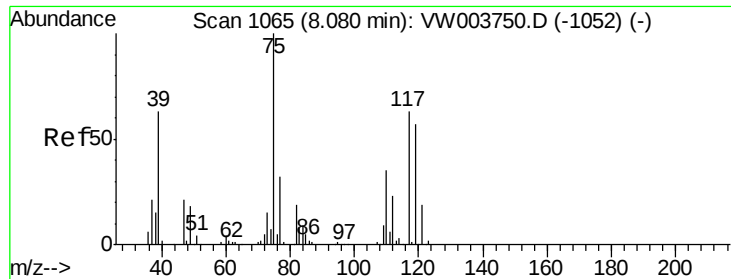
#35
 Dibromofluoromethane
 Concen: 55.849 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	19.4	15.8	23.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

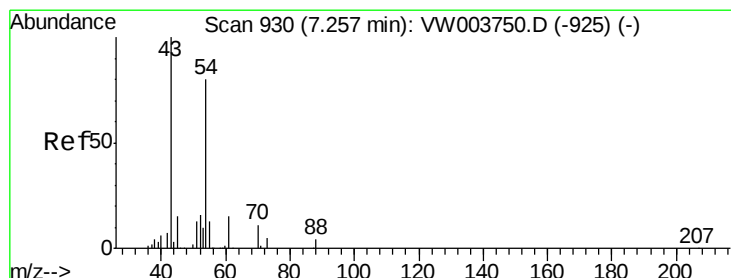
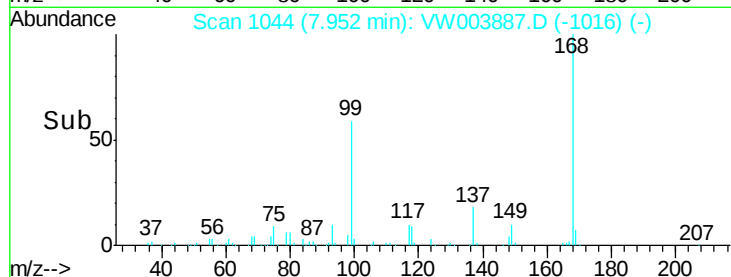
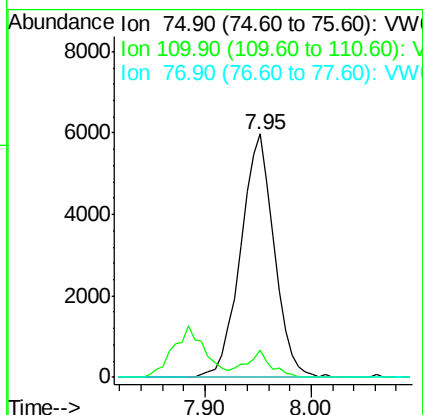
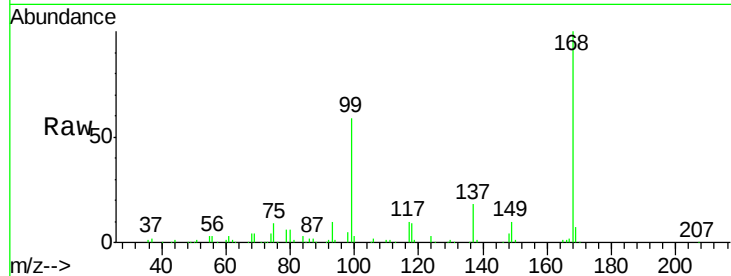




#36
 1,1-Dichloropropene
 Concen: 5.190 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

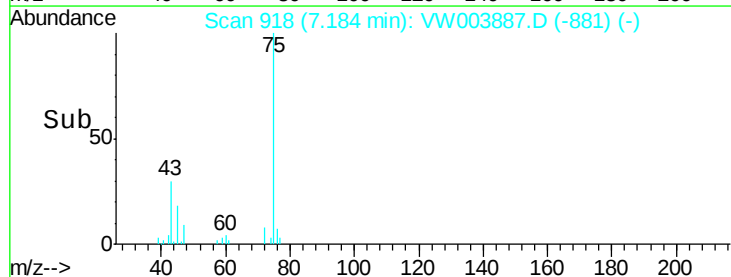
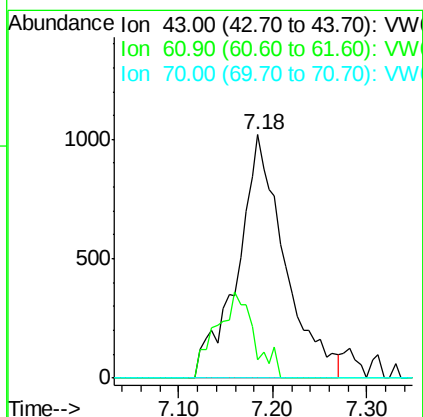
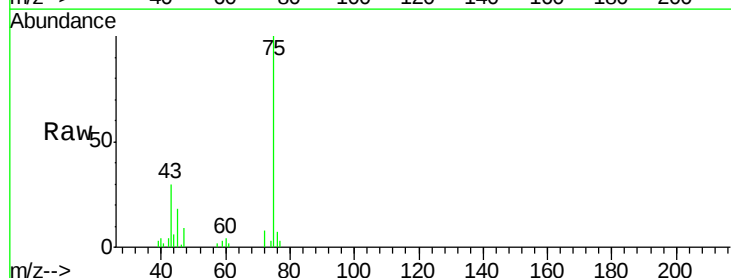
Instrument :
 MSVOA_W
 ClientSampled :

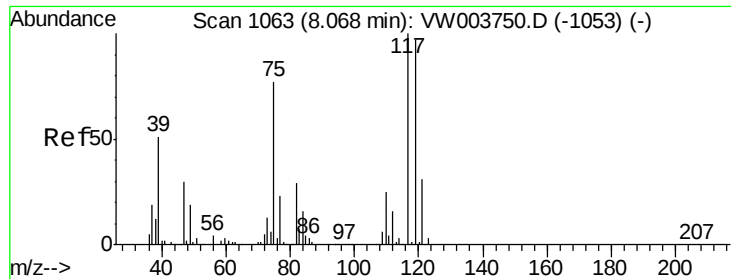
Tot Ion: 75 Resp: 13166
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 2.891 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

Tgt Ion: 43 Resp: 3569
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Instrument :

MSVOA_W

ClientSampleId :

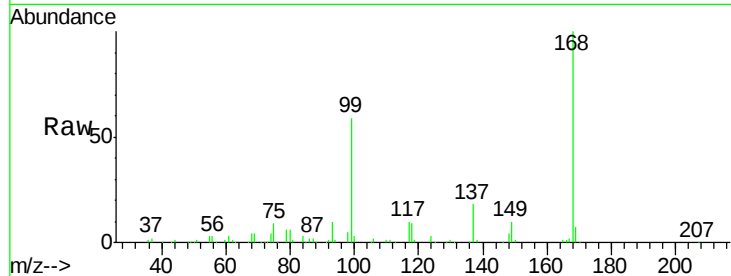
Tot Ion:117 Resp: 15613

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.2#

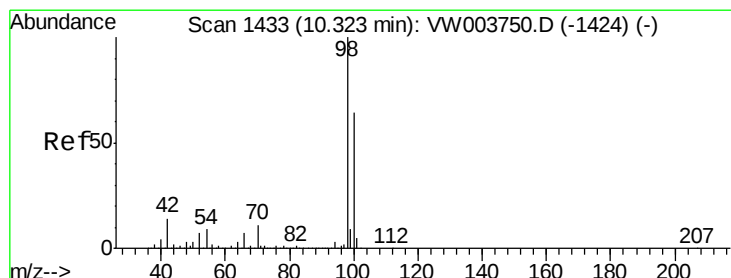
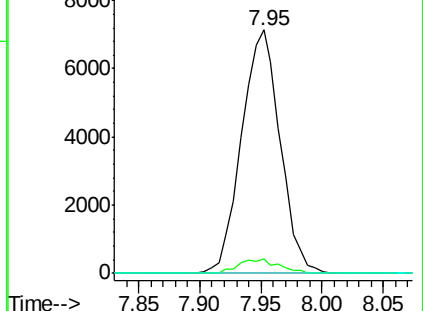
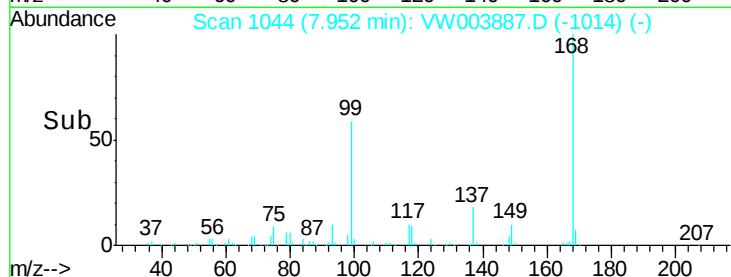
121 0.0 24.6 37.0#



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: 43.026 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003887.D

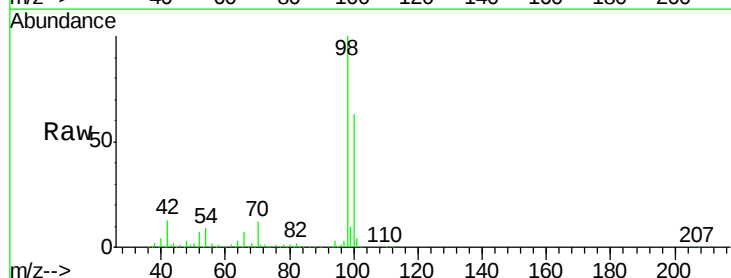
Acq: 12 Jul 2018 01:44

Tgt Ion: 98 Resp: 275430

Ion Ratio Lower Upper

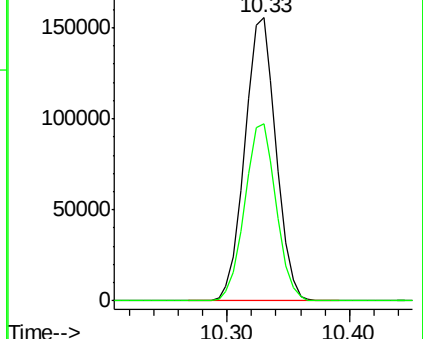
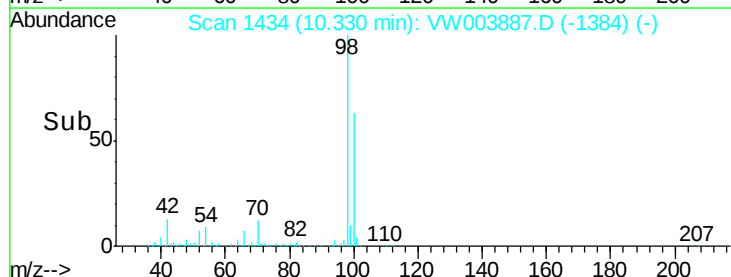
98 100

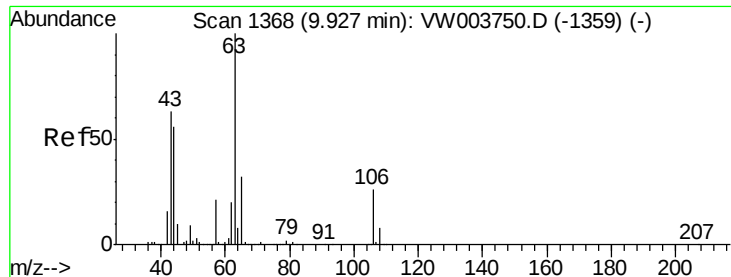
100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

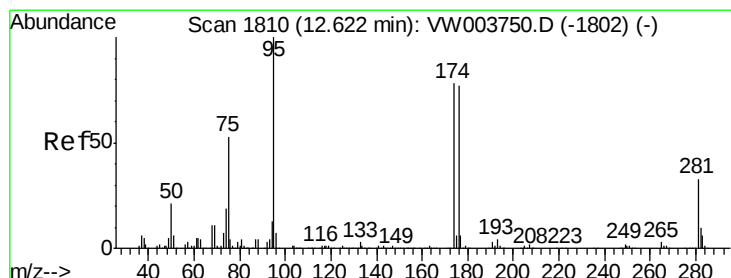
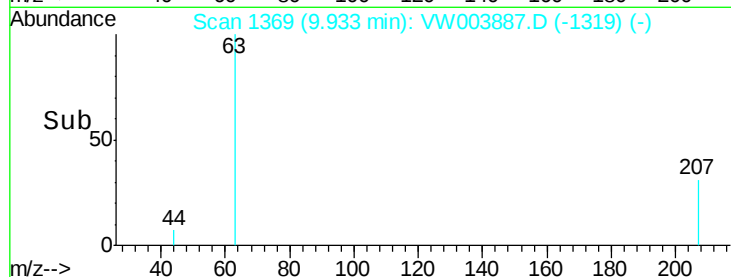
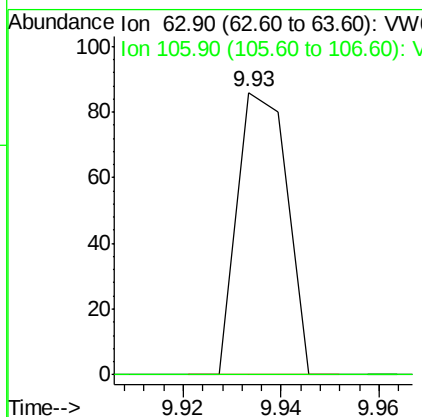
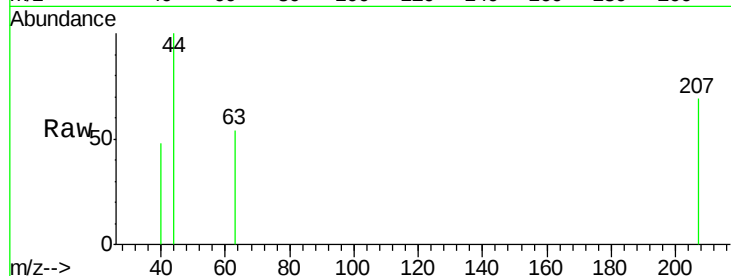




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.233 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

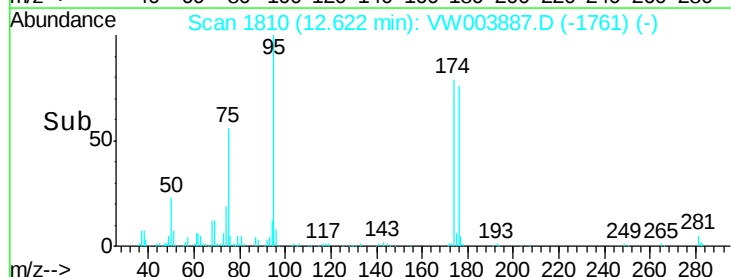
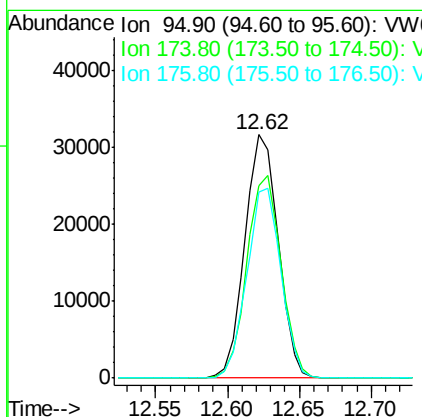
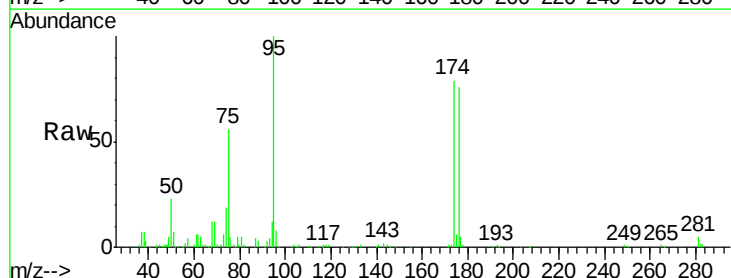
Instrument :
 MSVOA_W
 ClientSampleId :

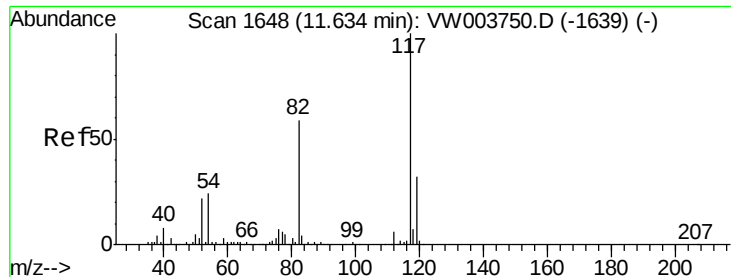
Tot Ion: 63 Resp: 61
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 21.922 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003887.D
 Acq: 12 Jul 2018 01:44

Tgt Ion: 95 Resp: 50774
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 163.4
 176 79.5 0.0 156.8

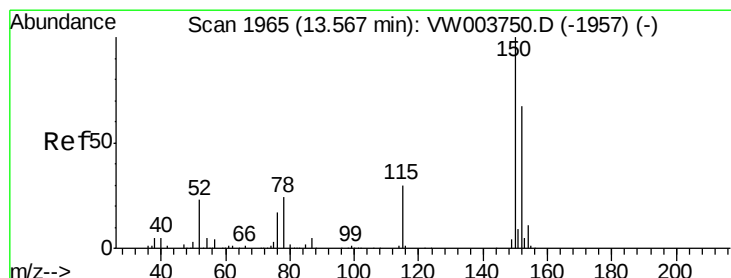
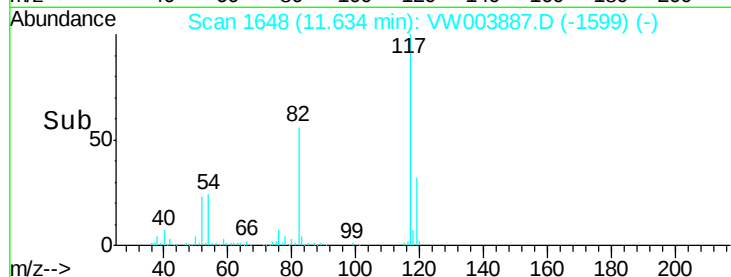
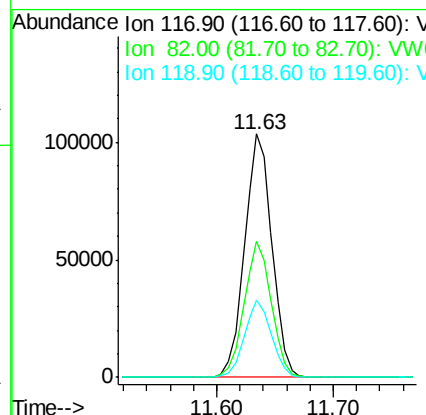
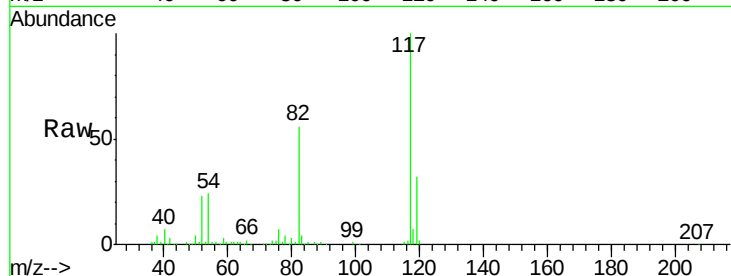




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003887.D
Acq: 12 Jul 2018 01:44

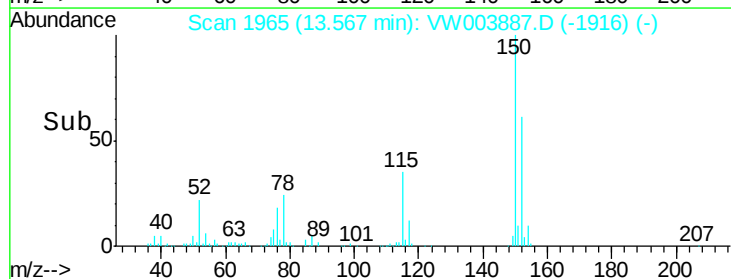
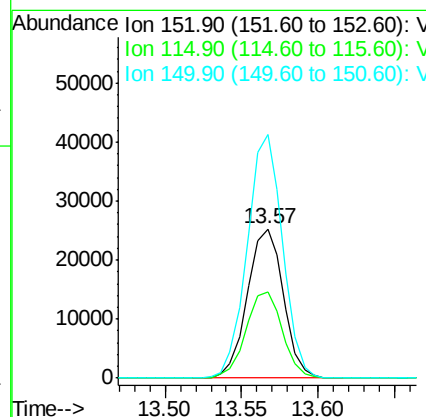
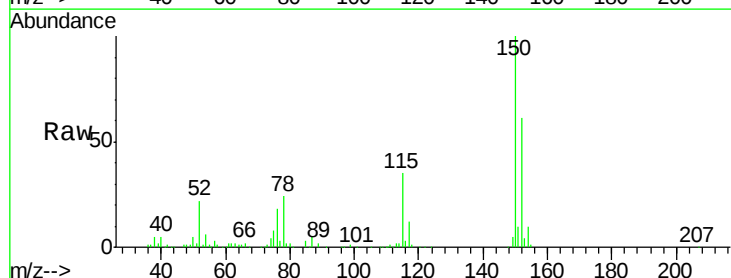
Instrument :
MSVOA_W
ClientSampleId :

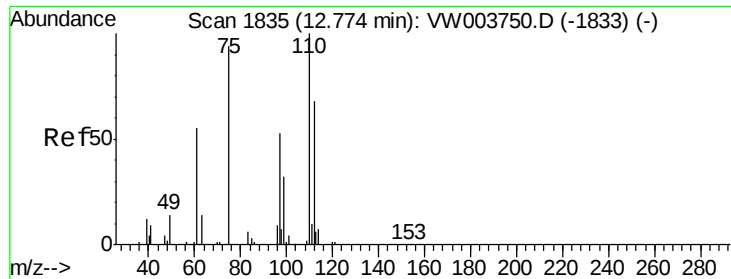
Tot Ion:117 Resp: 169117
Ion Ratio Lower Upper
117 100
82 55.7 46.9 70.3
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003887.D
Acq: 12 Jul 2018 01:44

Tgt Ion:152 Resp: 41396
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 159.6 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 66.843 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Instrument :

MSVOA_W

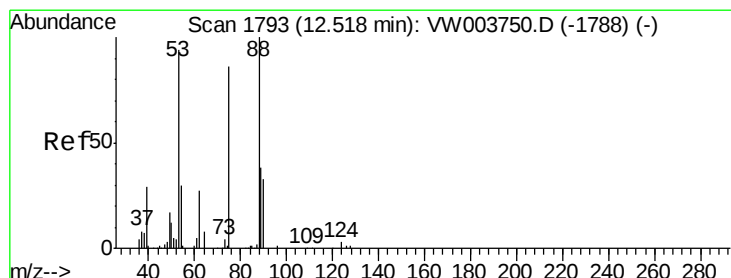
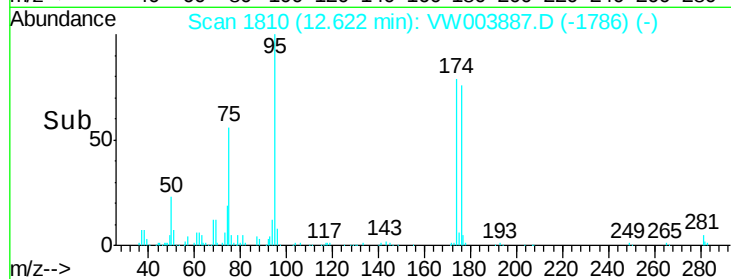
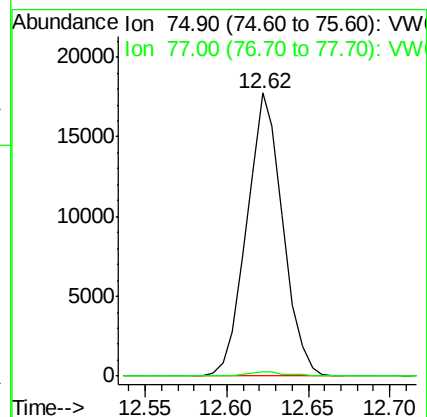
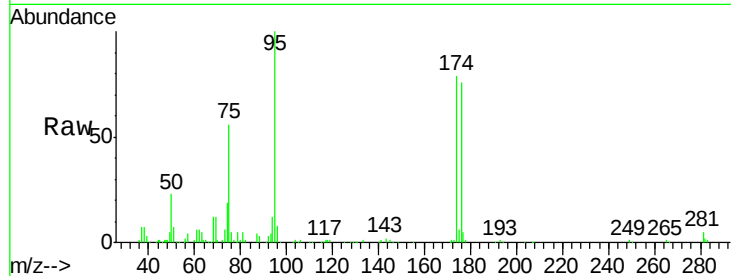
ClientSampleId :

Tot Ion: 75 Resp: 27172

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 163.515 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003887.D

Acq: 12 Jul 2018 01:44

Tgt Ion: 75 Resp: 27172

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#

