

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003462.D
 Acq On : 23 Jun 2018 16:02
 Operator : SY/AP
 Sample : J3664-05
 Misc : 6.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0482-180619

Quant Time: Jun 25 02:36:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	263713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124041	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	81386	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	
35) Dibromofluoromethane	7.89	113	66944	36.79	ug/l	0.00
Spiked Amount			Recovery	=	73.58%	
50) Toluene-d8	10.33	98	242303	33.58	ug/l	0.00
Spiked Amount			Recovery	=	67.16%	
62) 4-Bromofluorobenzene	12.63	95	84318	33.02	ug/l	0.00
Spiked Amount			Recovery	=	66.04%	

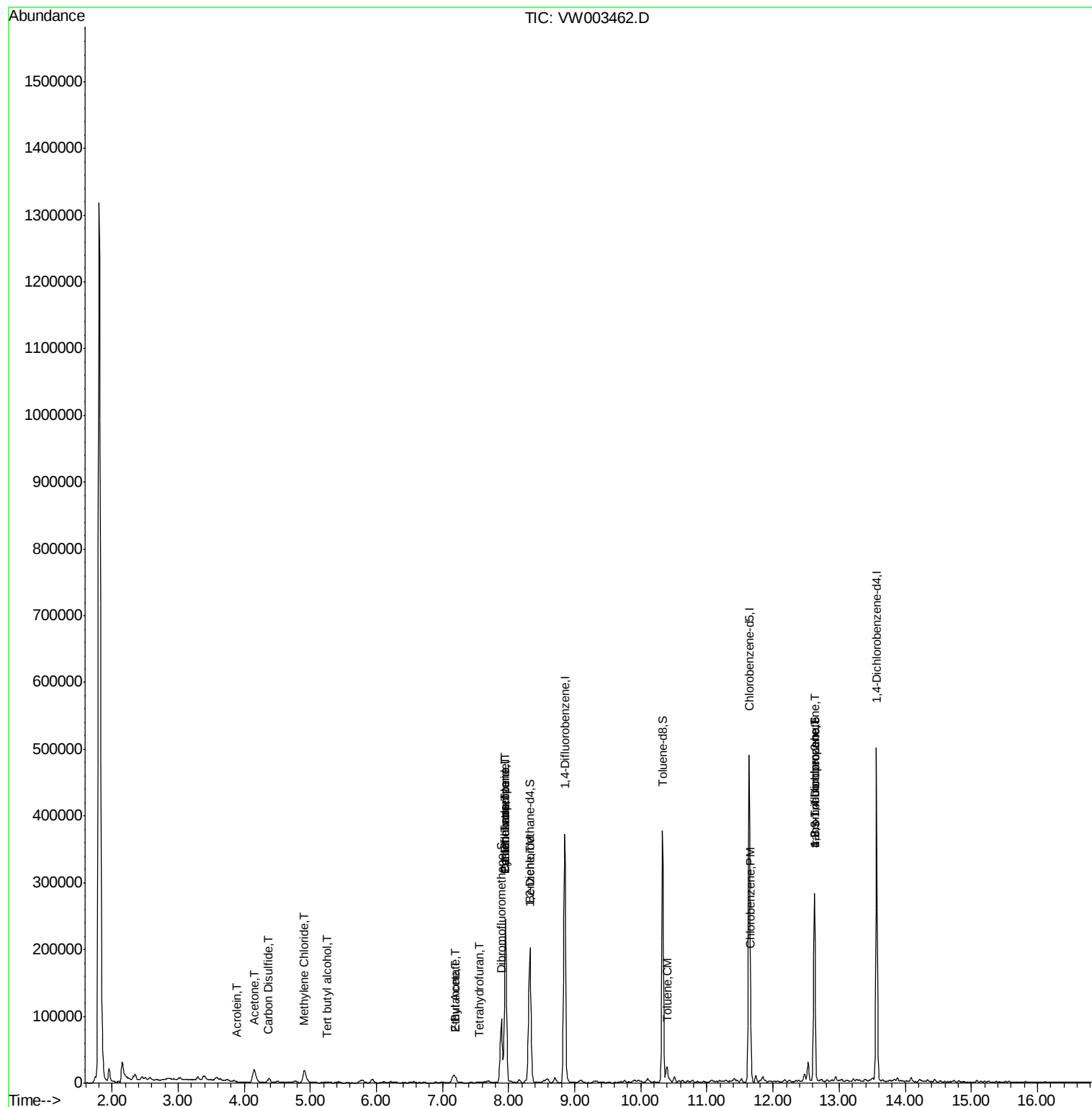
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	138	1.326	ug/l #	15
13) Acrolein	3.89	56	447	3.004	ug/l	99
16) Acetone	4.15	43	43863	107.765	ug/l	98
17) Carbon Disulfide	4.37	76	14166	2.954	ug/l	98
20) Methylene Chloride	4.91	84	14061	4.815	ug/l	91
25) 2-Butanone	7.20	43	12246	24.196	ug/l #	84
29) Tetrahydrofuran	7.55	42	726	2.347	ug/l #	60
31) Cyclohexane	7.95	56	5489	1.750	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	15181	5.368	ug/l #	50
37) Ethyl Acetate	7.20	43	12246	10.453	ug/l #	70
38) Carbon Tetrachloride	7.95	117	17936	6.466	ug/l #	16
40) Benzene	8.33	78	134054	17.198	ug/l	100
52) Toluene	10.39	92	8894	1.779	ug/l	98
65) Chlorobenzene	11.66	112	31779	5.787	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	45630	43.031	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	45630	99.016	ug/l #	9

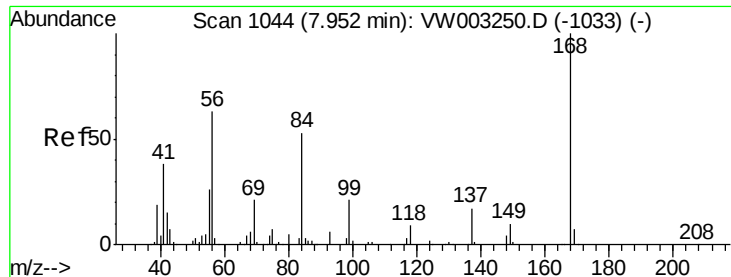
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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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: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

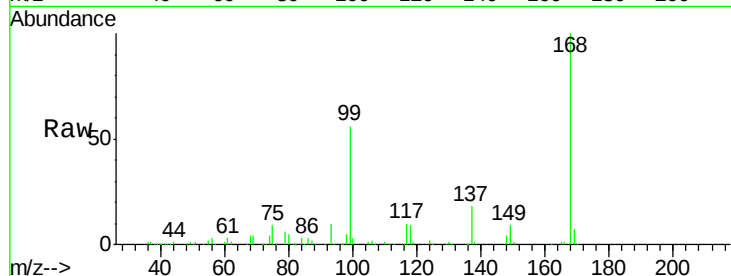
DUP-0482-180619

Tgt Ion: 168 Resp: 179172

Ion Ratio Lower Upper

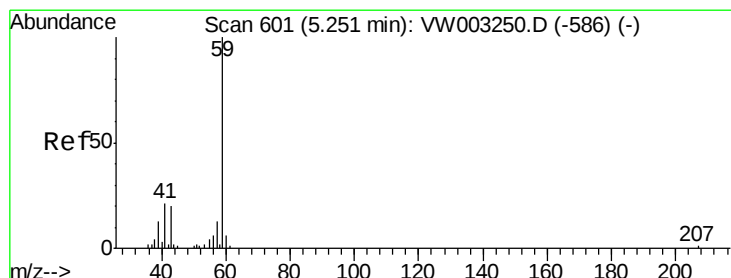
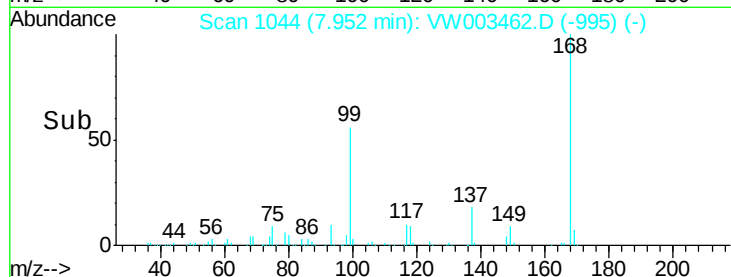
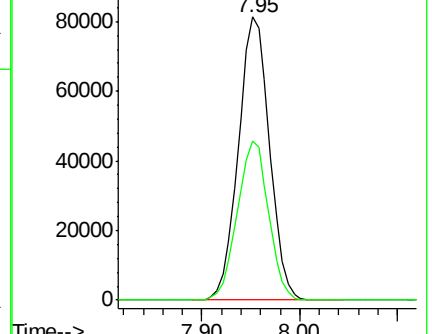
168 100

99 56.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.326 ug/l

RT: 5.25 min Scan# 601

Delta R.T. -0.00 min

Lab File: VW003462.D

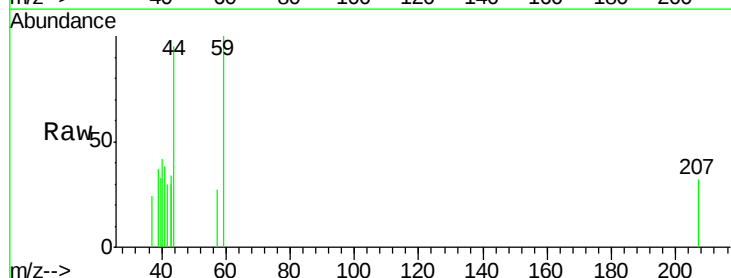
Acq: 23 Jun 2018 16:02

Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

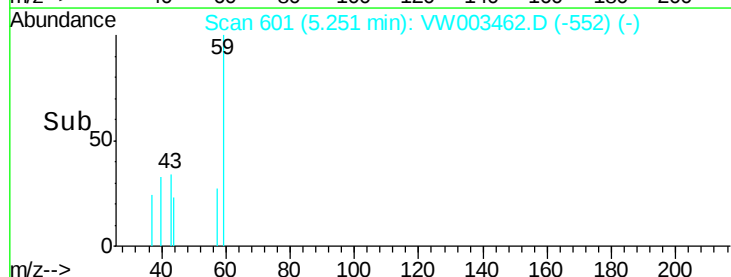
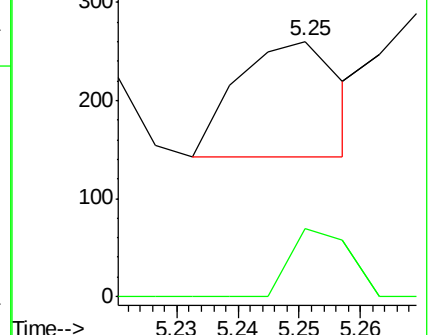
59 100

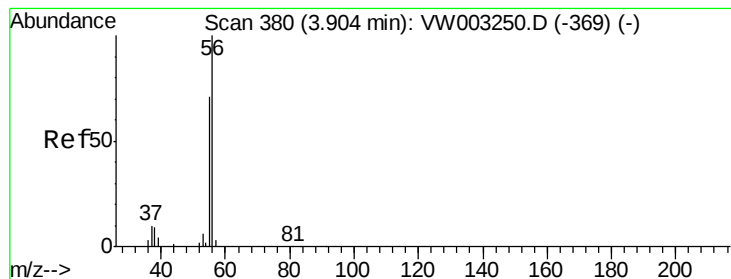
57 33.3 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.004 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

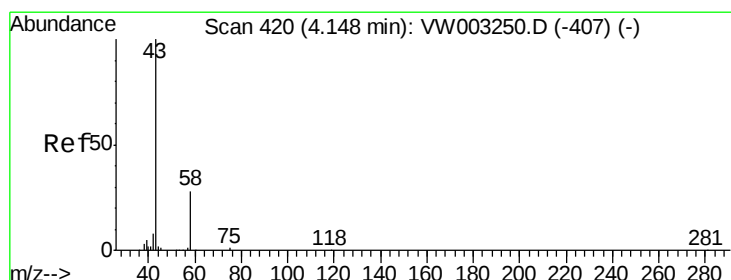
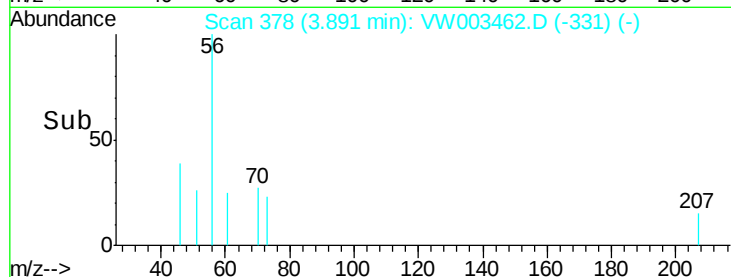
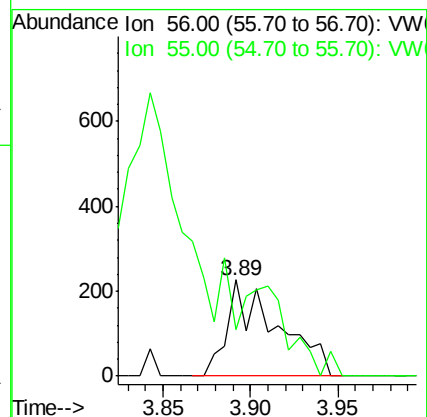
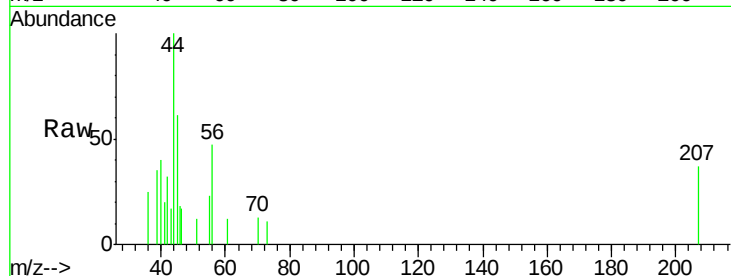
DUP-0482-180619

Tgt Ion: 56 Resp: 447

Ion Ratio Lower Upper

56 100

55 70.5 55.4 83.2



#16

Acetone

Concen: 107.765 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW003462.D

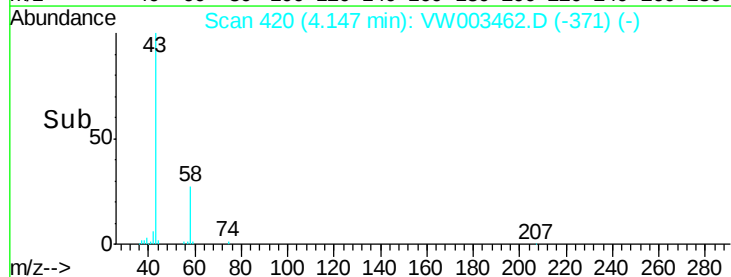
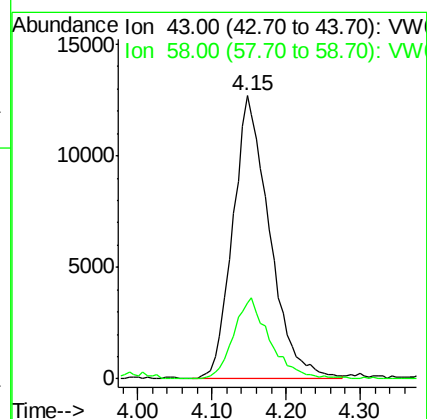
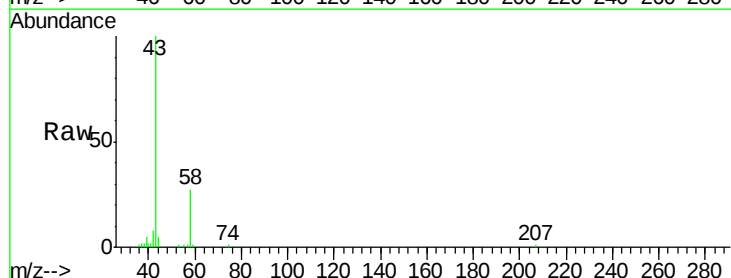
Acq: 23 Jun 2018 16:02

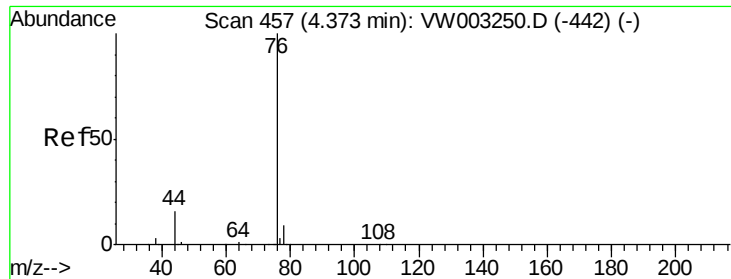
Tgt Ion: 43 Resp: 43863

Ion Ratio Lower Upper

43 100

58 27.0 22.6 34.0

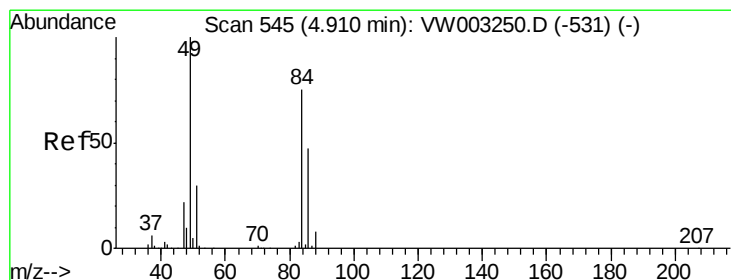
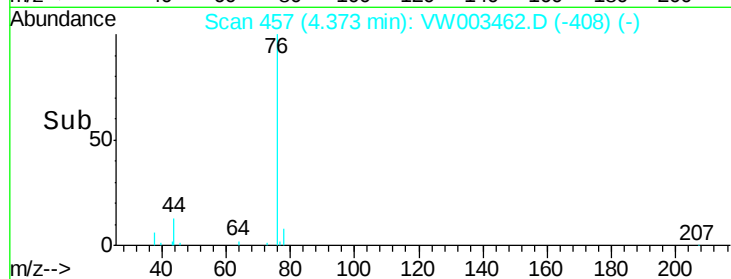
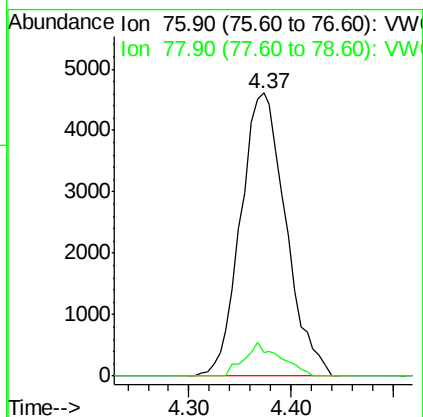
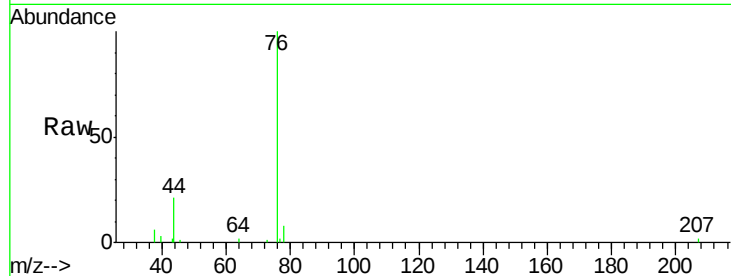




#17
Carbon Disulfide
Concen: 2.954 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

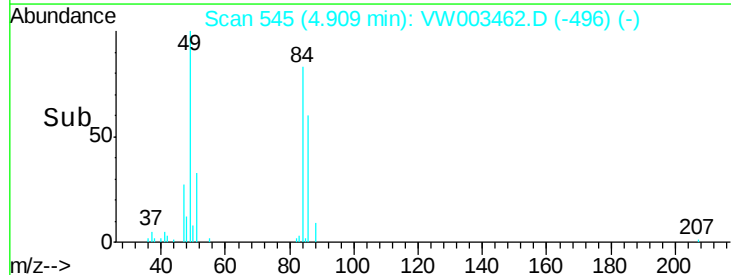
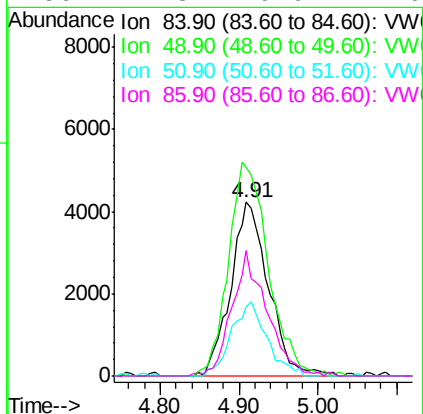
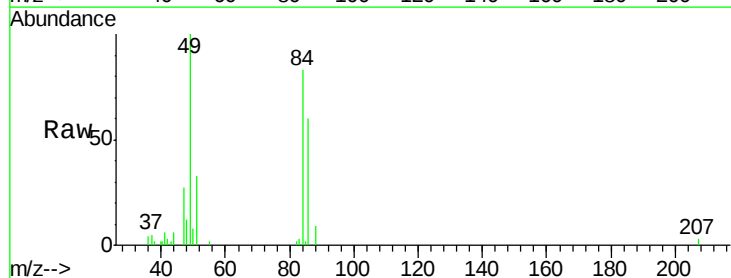
Instrument :
MSVOA_W
ClientSampleId :
DUP-0482-180619

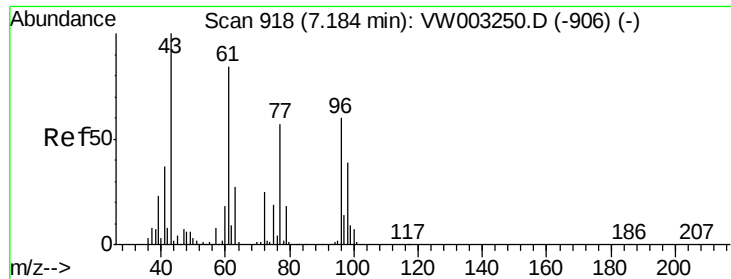
Tgt Ion: 76 Resp: 14166
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#20
Methylene Chloride
Concen: 4.815 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

Tgt Ion: 84 Resp: 14061
Ion Ratio Lower Upper
84 100
49 120.4 106.3 159.5
51 39.9 32.0 48.0
86 72.3 49.9 74.9





#25

2-Butanone

Concen: 24.196 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

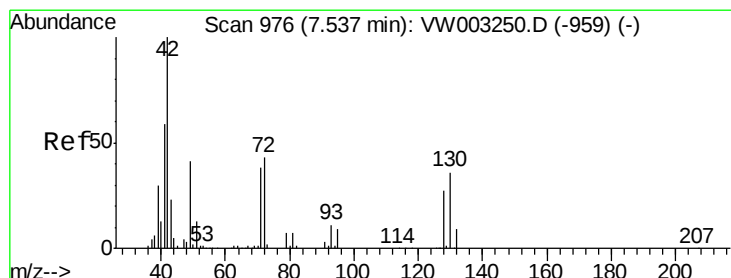
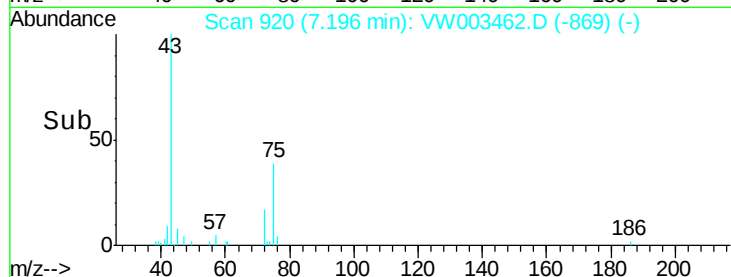
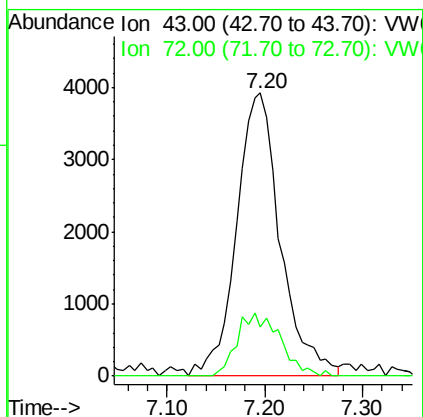
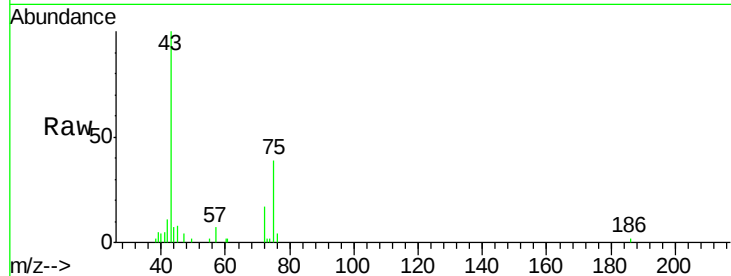
DUP-0482-180619

Tgt Ion: 43 Resp: 12246

Ion Ratio Lower Upper

43 100

72 17.2 20.3 30.5#



#29

Tetrahydrofuran

Concen: 2.347 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

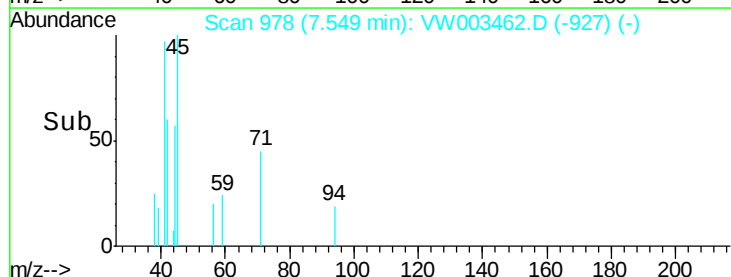
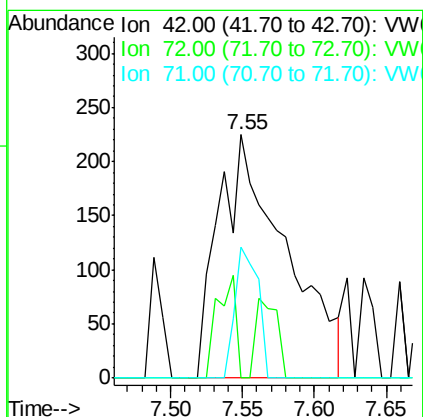
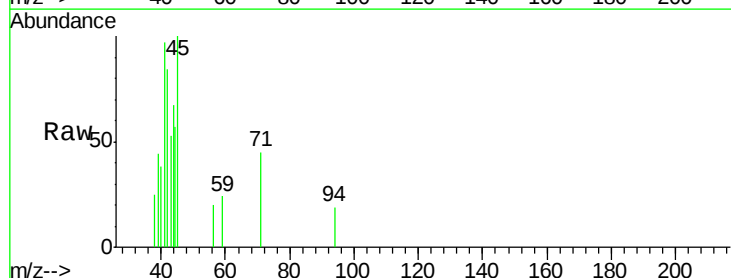
Tgt Ion: 42 Resp: 726

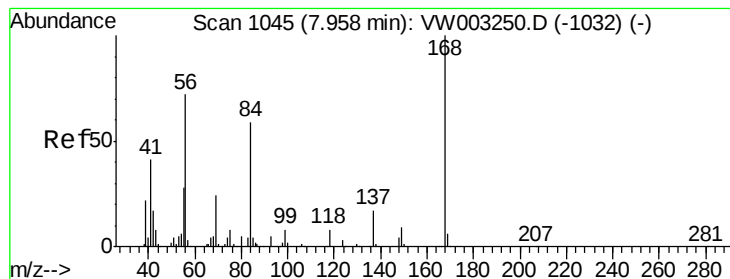
Ion Ratio Lower Upper

42 100

72 11.8 32.4 48.6#

71 18.7 31.2 46.8#





#31

Cyclohexane

Concen: 1.750 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0482-180619

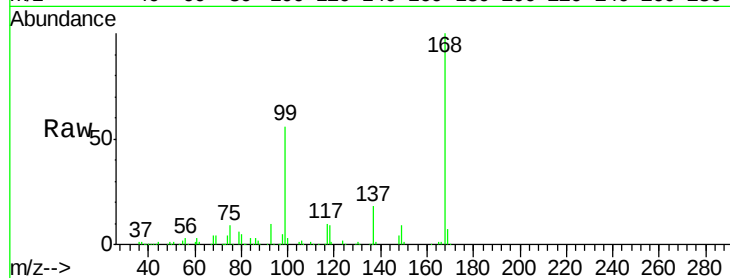
Tgt Ion: 56 Resp: 5489

Ion Ratio Lower Upper

56 100

69 140.4 26.3 39.5#

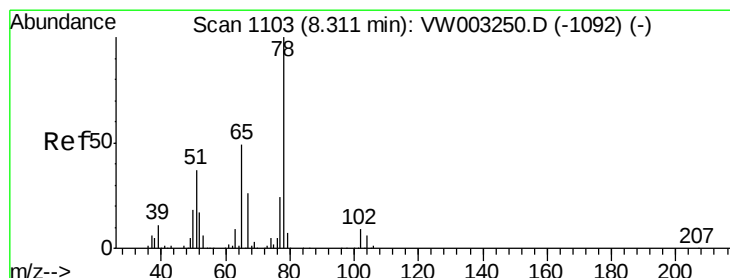
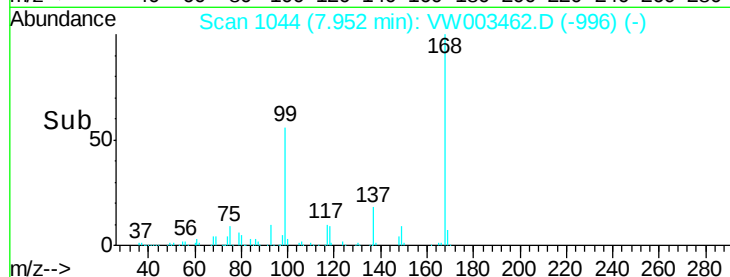
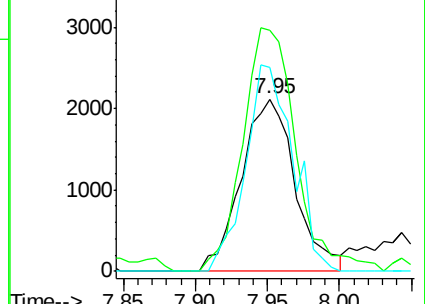
84 118.6 65.7 98.5#



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: 41.936 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003462.D

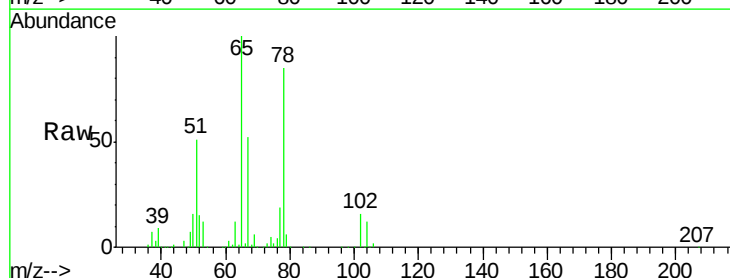
Acq: 23 Jun 2018 16:02

Tgt Ion: 65 Resp: 81386

Ion Ratio Lower Upper

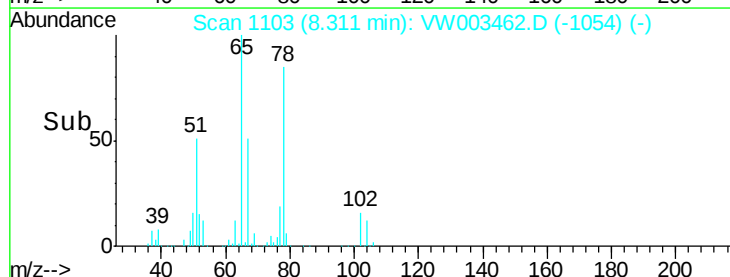
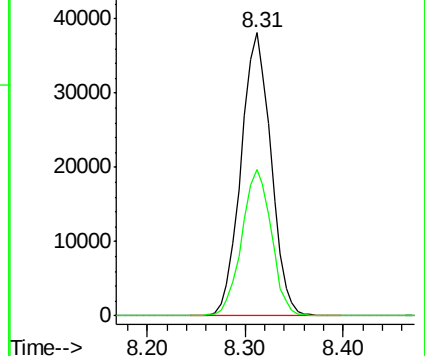
65 100

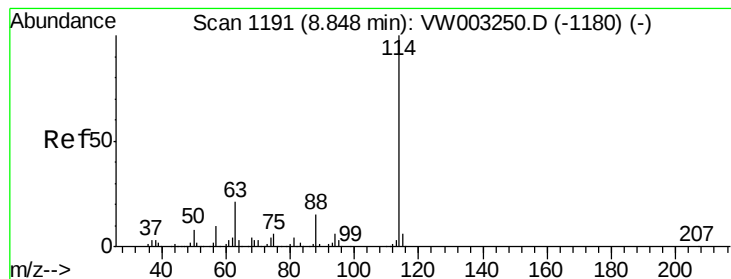
67 50.9 0.0 104.2



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: VW003462.D

Acq: 23 Jun 2018 16:02

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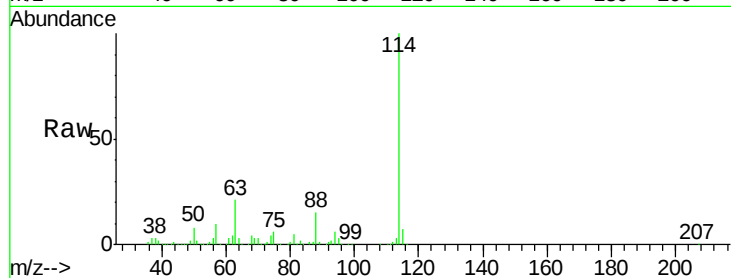
Tgt Ion:114 Resp: 292820

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

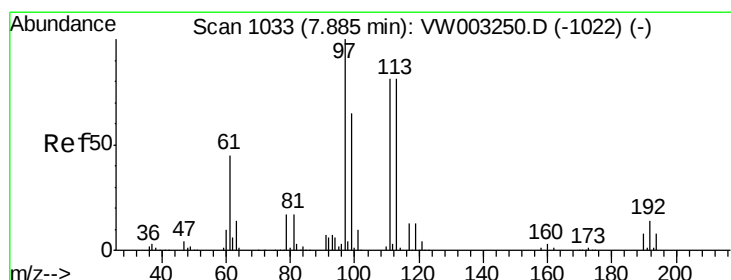
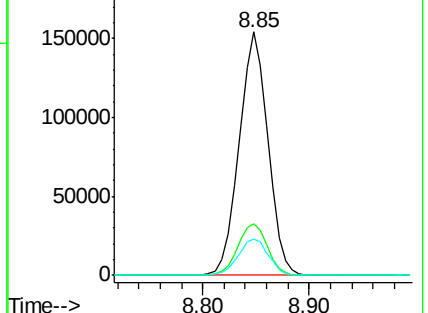
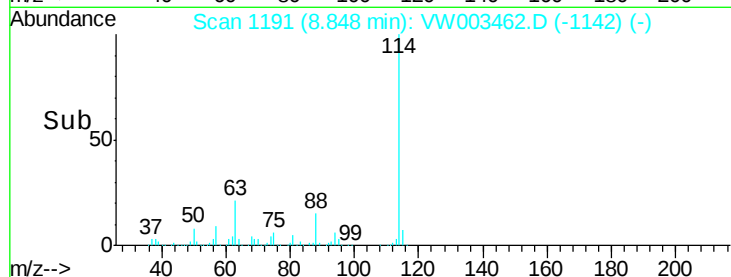
88 14.7 0.0 29.6



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: 36.793 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

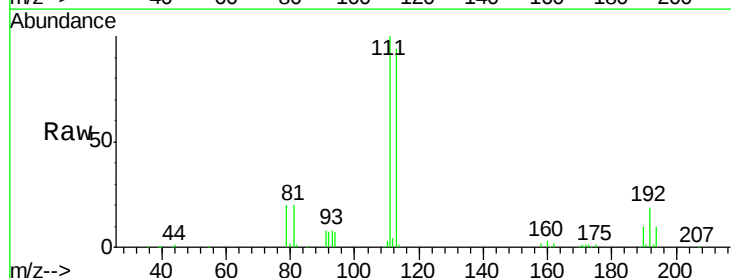
Tgt Ion:113 Resp: 66944

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

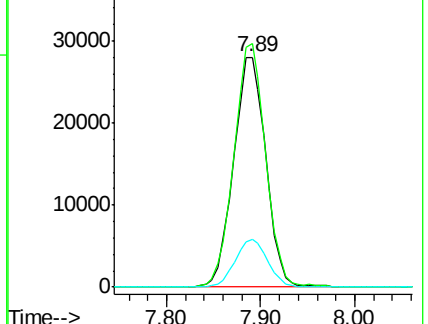
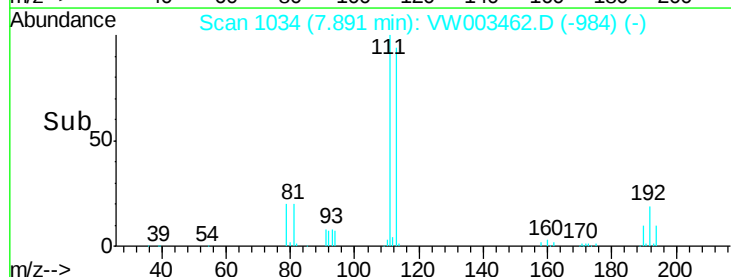
192 20.8 16.2 24.2

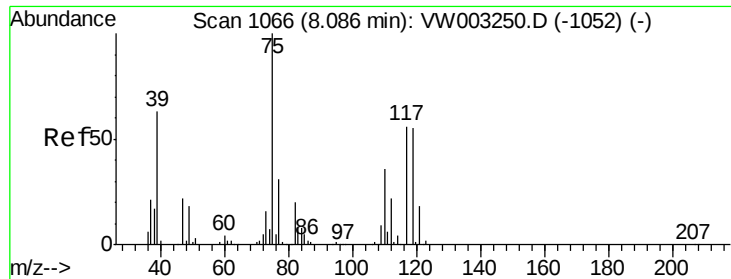


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

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DUP-0482-180619

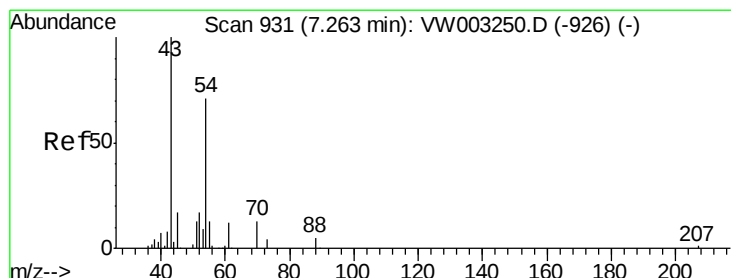
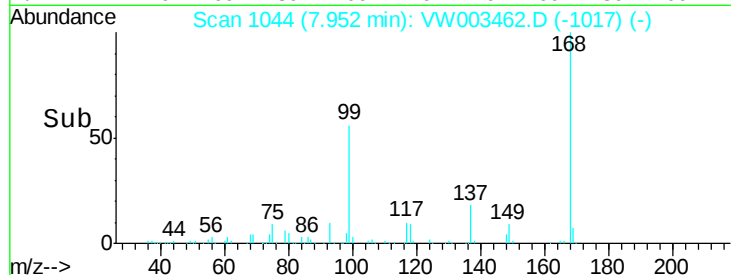
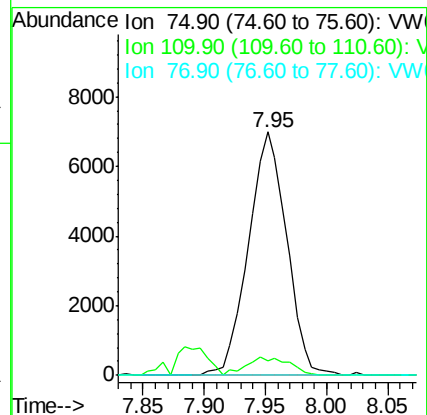
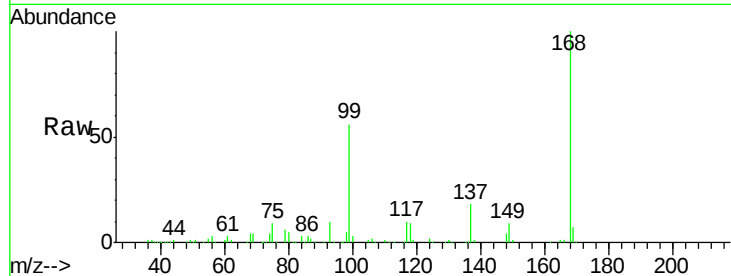
Tgt Ion: 75 Resp: 15181

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 10.453 ug/l

RT: 7.20 min Scan# 920

Delta R.T. -0.07 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

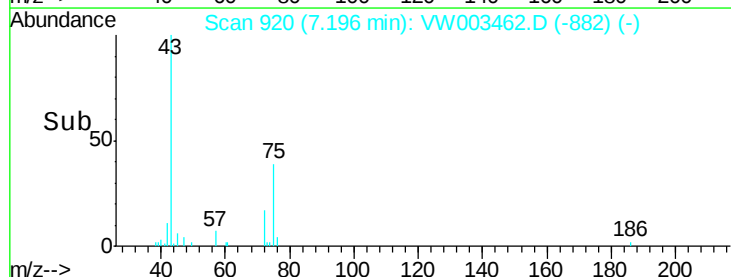
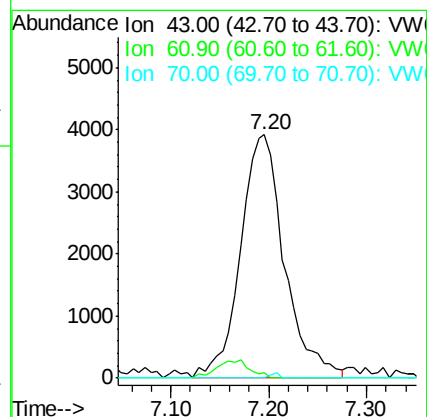
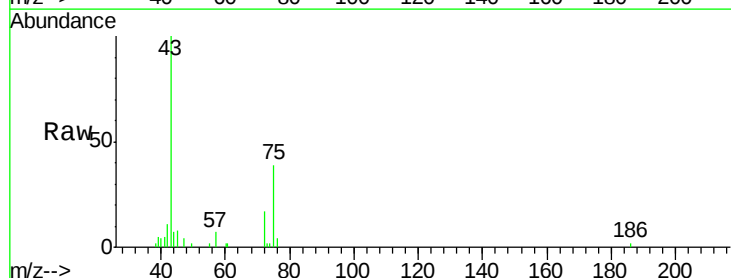
Tgt Ion: 43 Resp: 12246

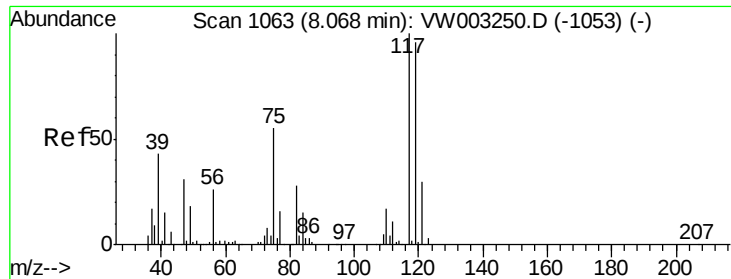
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.4 7.8 11.6#

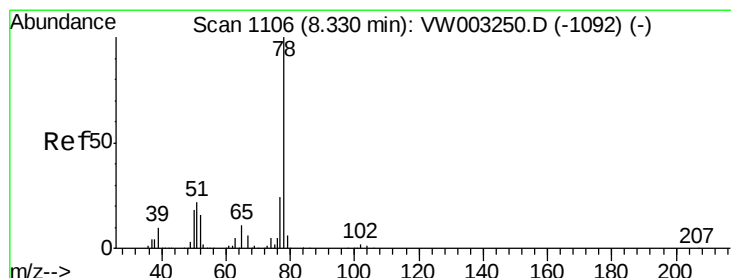
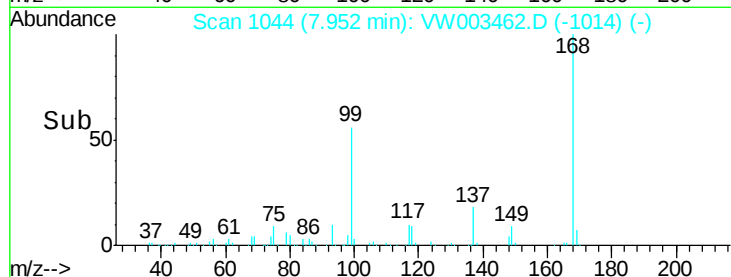
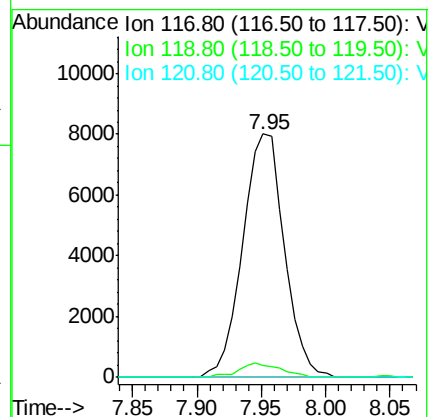
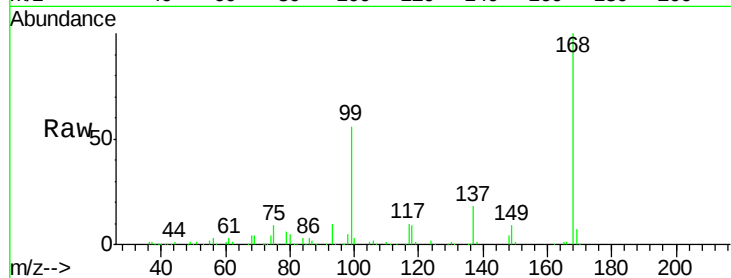




#38
Carbon Tetrachloride
Concen: 6.466 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

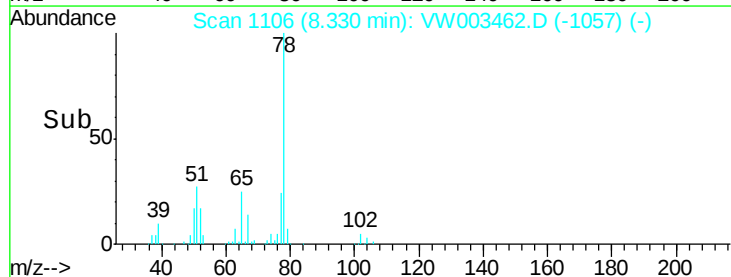
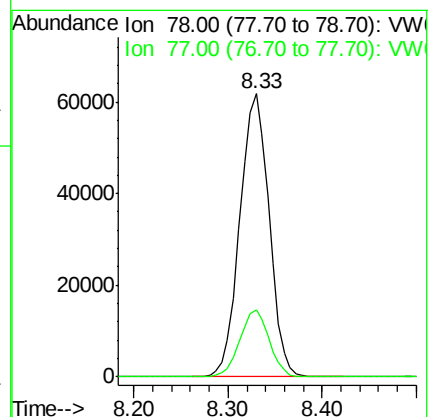
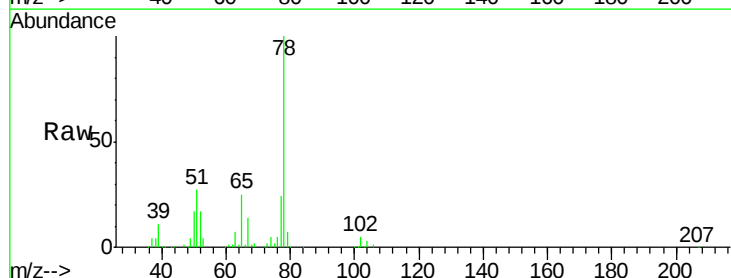
Instrument :
MSVOA_W
ClientSampleId :
DUP-0482-180619

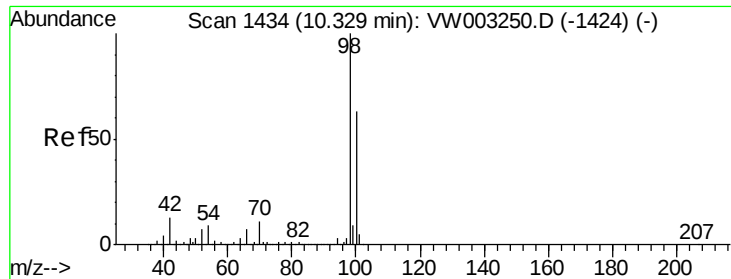
Tgt Ion:117 Resp: 17936
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 17.198 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

Tgt Ion: 78 Resp: 134054
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#50

Toluene-d8

Concen: 33.585 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003462.D

Acq: 23 Jun 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

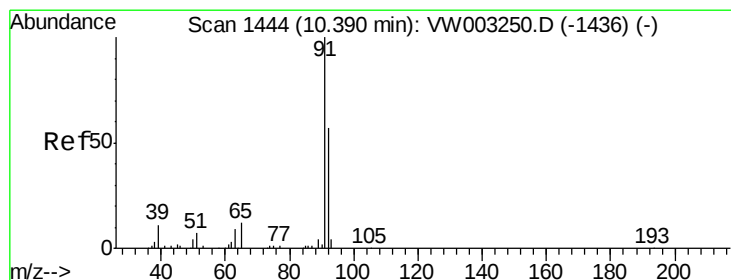
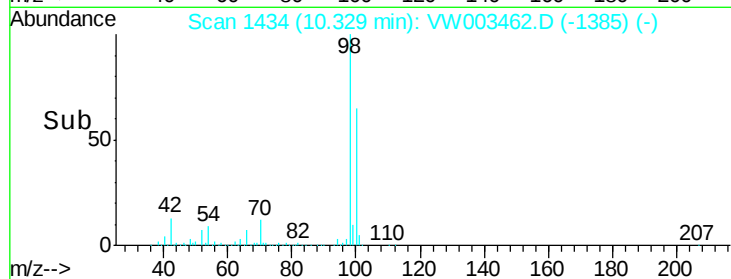
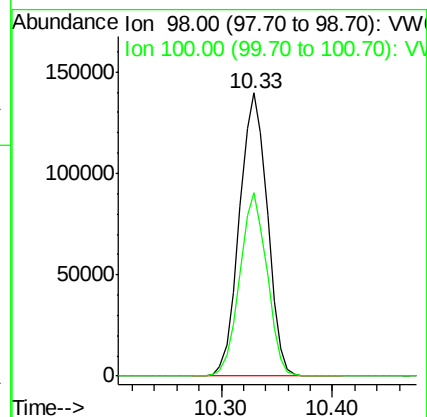
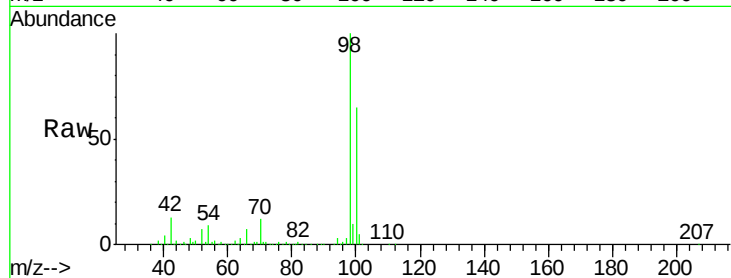
DUP-0482-180619

Tgt Ion: 98 Resp: 242303

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



#52

Toluene

Concen: 1.779 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003462.D

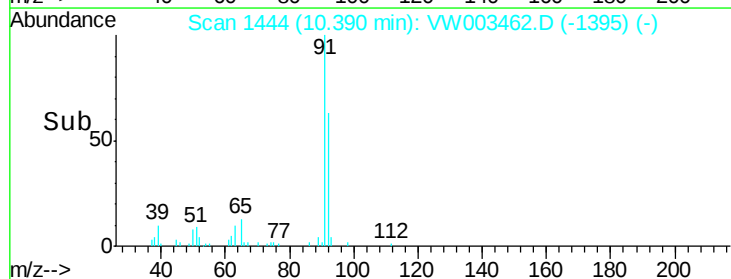
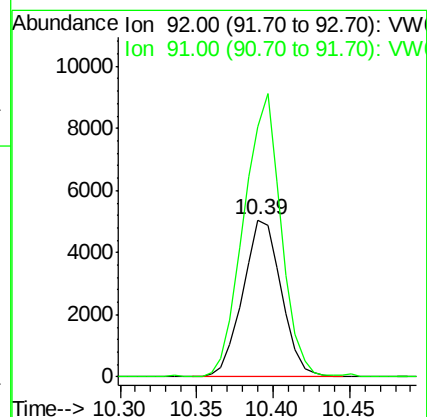
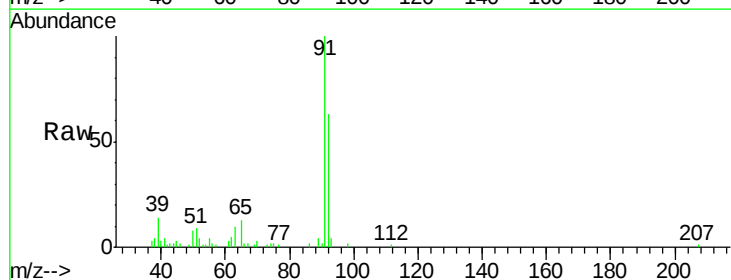
Acq: 23 Jun 2018 16:02

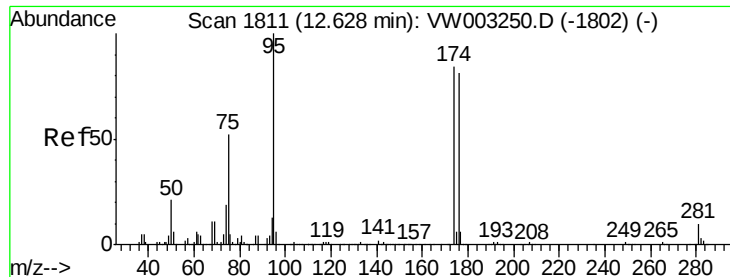
Tgt Ion: 92 Resp: 8894

Ion Ratio Lower Upper

92 100

91 173.6 141.1 211.7

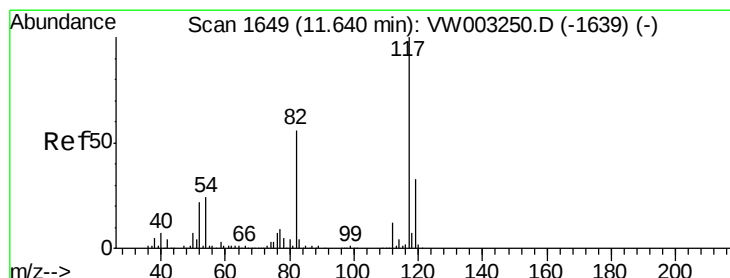
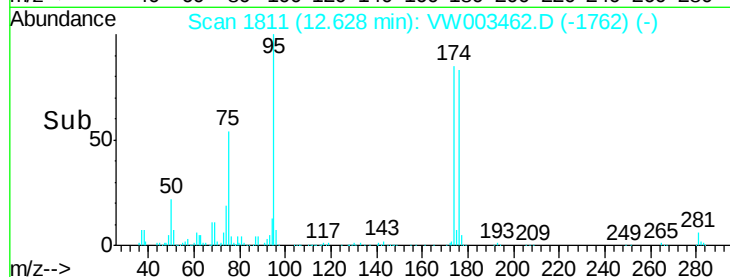
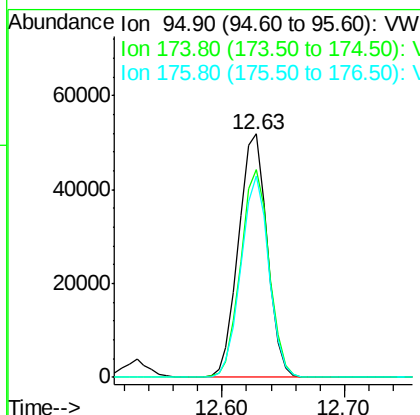
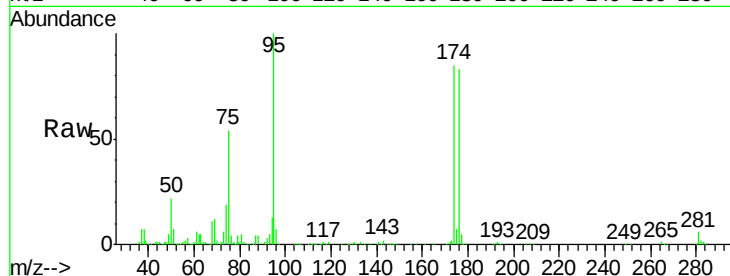




#62
4-Bromofluorobenzene
Concen: 33.024 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

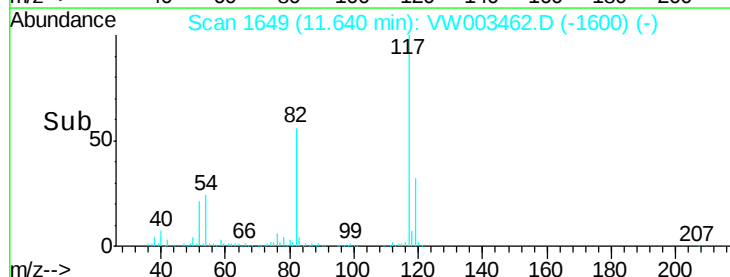
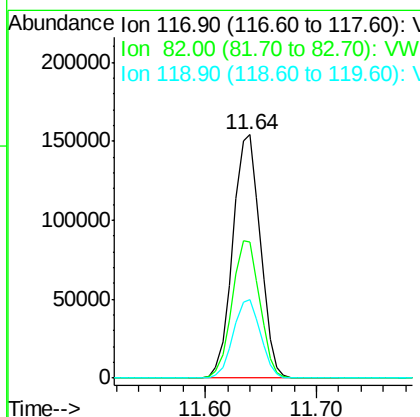
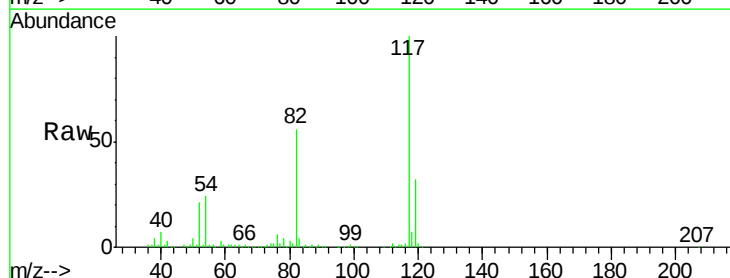
Instrument :
MSVOA_W
ClientSampleId :
DUP-0482-180619

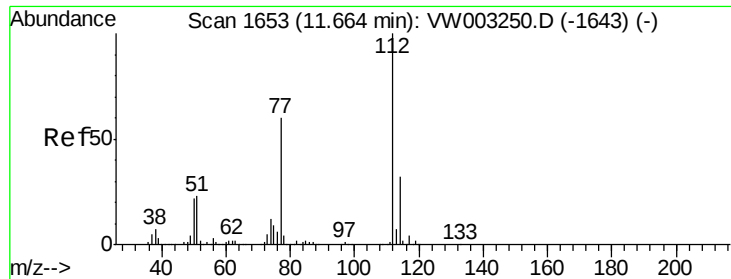
Tgt Ion: 95 Resp: 84318
Ion Ratio Lower Upper
95 100
174 84.7 0.0 166.4
176 80.3 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

Tgt Ion: 117 Resp: 263713
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 32.1 26.7 40.1

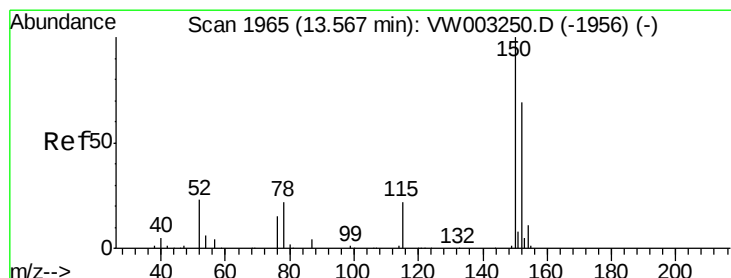
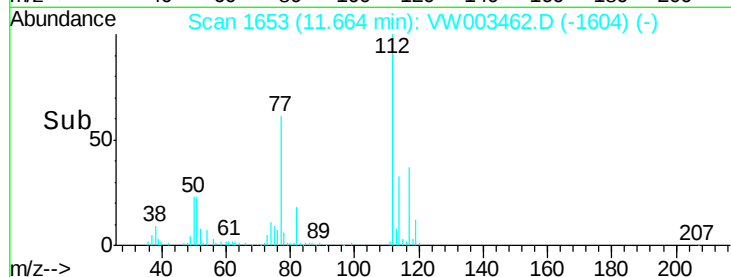
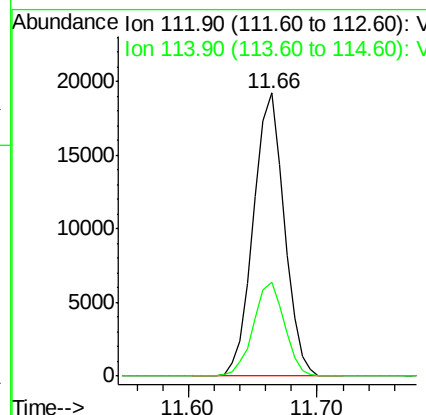
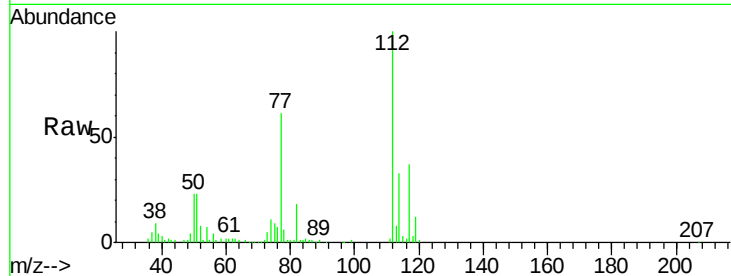




#65
Chlorobenzene
Concen: 5.787 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

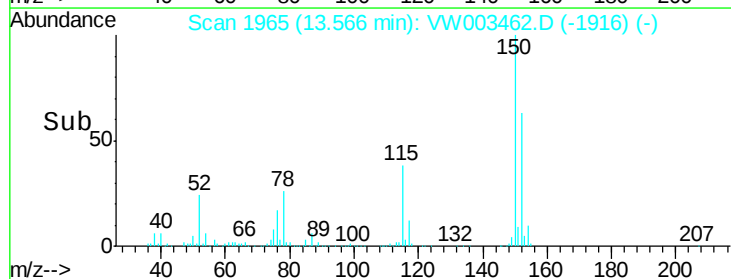
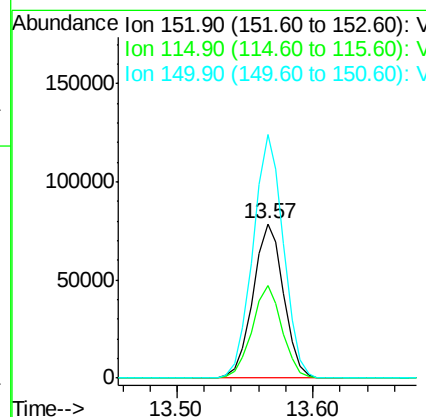
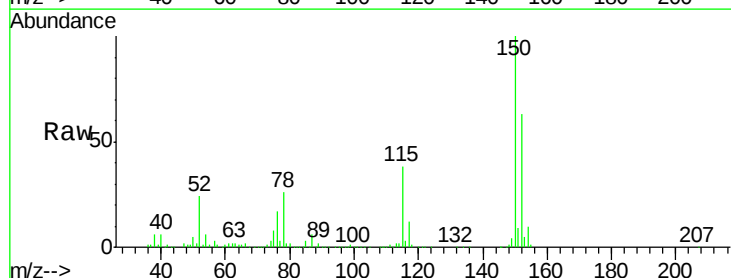
Instrument :
MSVOA_W
ClientSampleId :
DUP-0482-180619

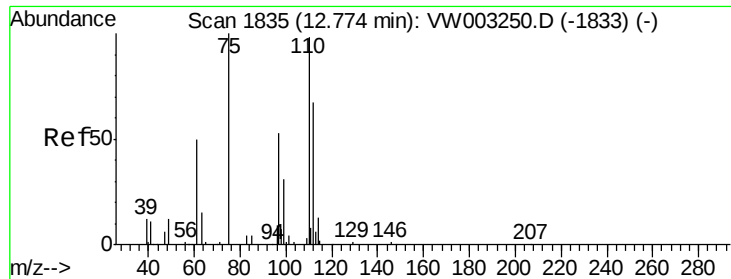
Tgt Ion:112 Resp: 31779
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003462.D
Acq: 23 Jun 2018 16:02

Tgt Ion:152 Resp: 124041
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 157.2 0.0 349.6

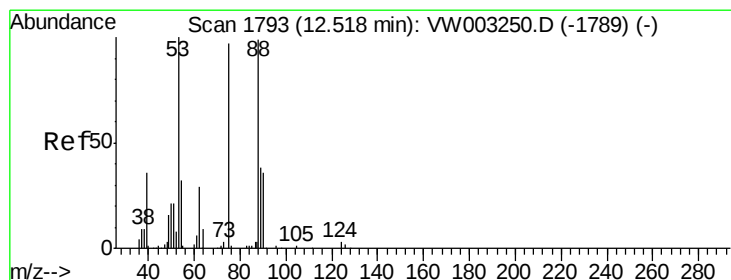
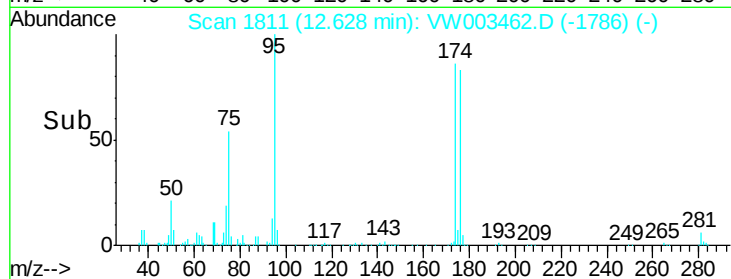
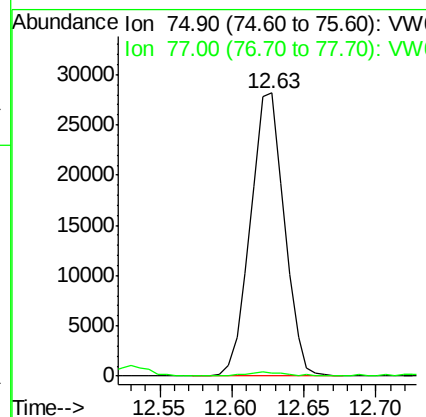
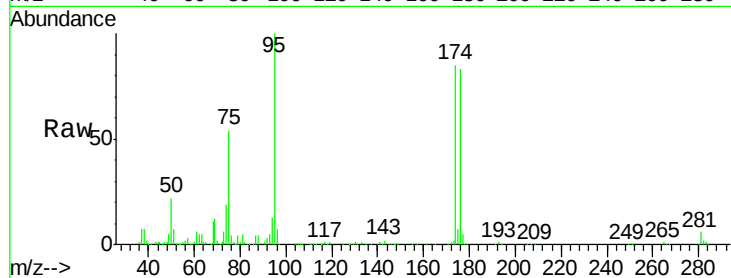




#76
 1,2,3-Trichloropropane
 Concen: 43.031 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003462.D
 Acq: 23 Jun 2018 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0482-180619

Tgt Ion: 75 Resp: 45630
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.016 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW003462.D
 Acq: 23 Jun 2018 16:02

Tgt Ion: 75 Resp: 45630
 Ion Ratio Lower Upper
 75 100
 53 0.8 82.9 124.3#
 89 0.0 36.7 55.1#

