

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003307.D
 Acq On : 15 Jun 2018 21:53
 Operator : SY/AP
 Sample : J3458-02RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:50:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	172283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	278233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	127901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134764	72.22	ug/l	0.00
Spiked Amount						
			Recovery	=	144.44%	
35) Dibromofluoromethane	7.88	113	117688	68.07	ug/l	0.00
Spiked Amount						
			Recovery	=	136.14%	
50) Toluene-d8	10.33	98	420883	61.40	ug/l	0.00
Spiked Amount						
			Recovery	=	122.80%	
62) 4-Bromofluorobenzene	12.63	95	148068	61.03	ug/l	0.00
Spiked Amount						
			Recovery	=	122.06%	

Target Compounds

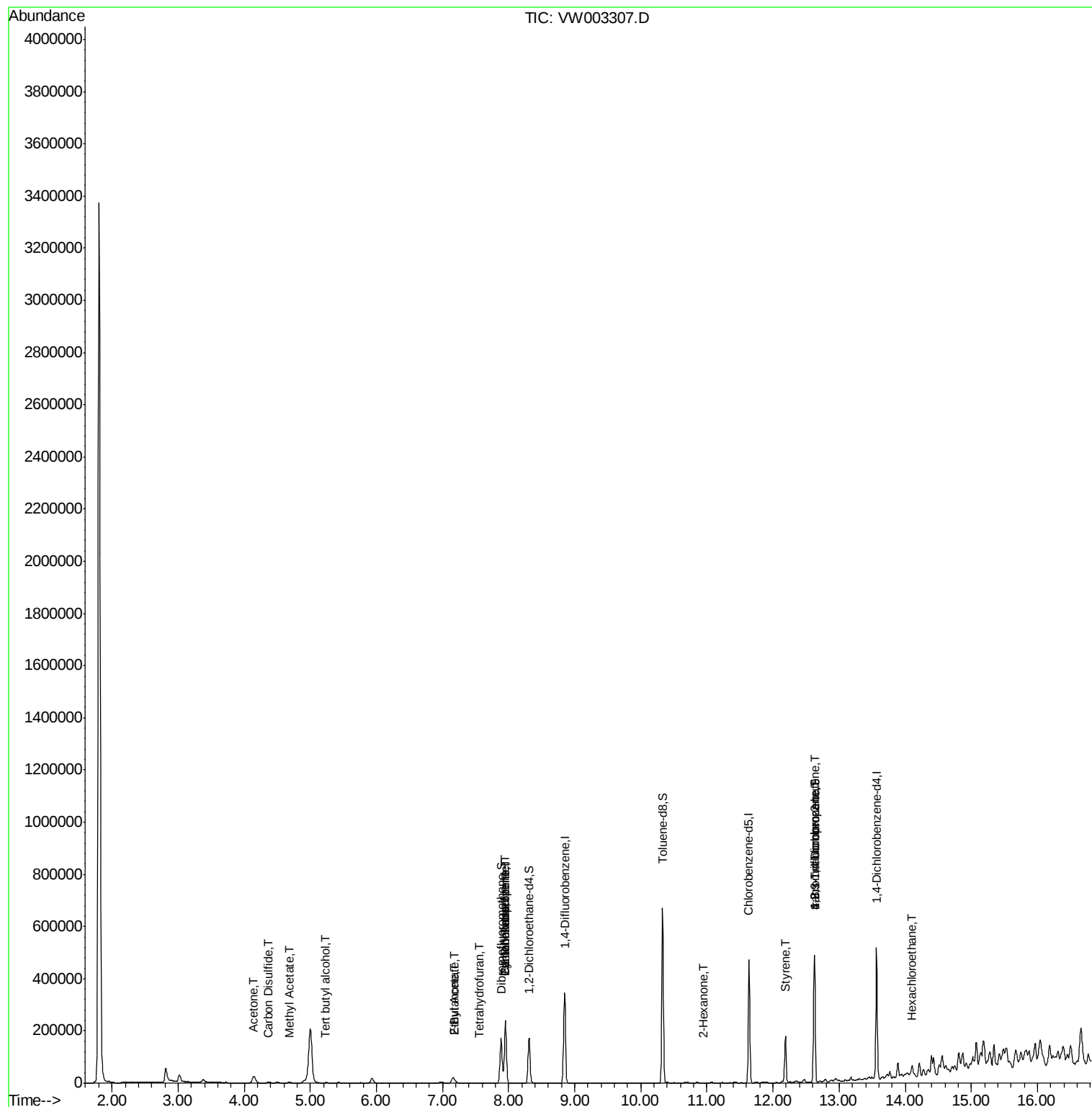
						Qvalue
11) Tert butyl alcohol	5.23	59	1567	15.657	ug/l #	94
16) Acetone	4.14	43	55308	141.317	ug/l	97
17) Carbon Disulfide	4.36	76	6031	1.308	ug/l	100
18) Methyl Acetate	4.68	43	4979	5.363	ug/l #	75
25) 2-Butanone	7.19	43	5765	11.846	ug/l #	89
29) Tetrahydrofuran	7.55	42	579	1.947	ug/l #	55
31) Cyclohexane	7.95	56	4514	1.497	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	14400	5.359	ug/l #	49
37) Ethyl Acetate	7.19	43	5765	5.179	ug/l #	69
38) Carbon Tetrachloride	7.96	117	17198	6.525	ug/l #	16
59) 2-Hexanone	10.95	43	788	1.002	ug/l #	27
70) Styrene	12.19	104	79917	14.855	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	81848	74.856	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81848	172.248	ug/l #	8
90) Hexachloroethane	14.10	117	2098	1.390	ug/l #	10

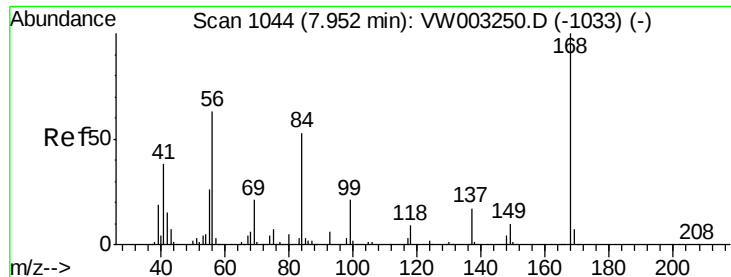
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 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: VW003307.D

Acq: 15 Jun 2018 21:53

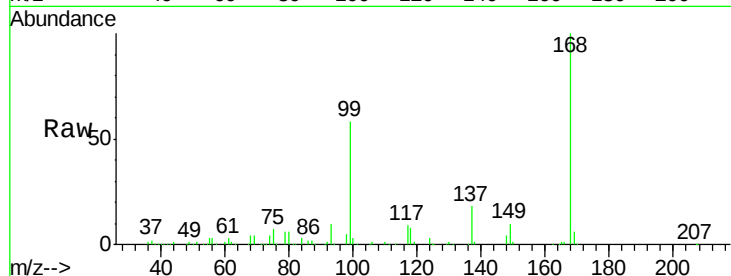
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 172283

Ion Ratio Lower Upper

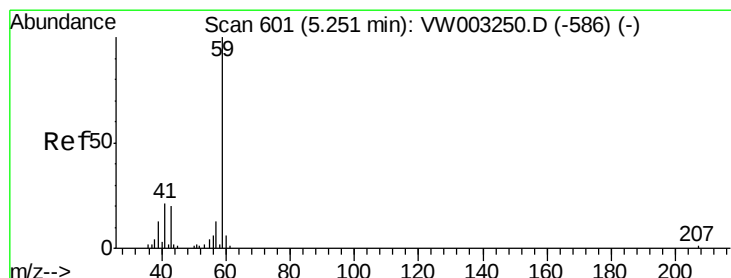
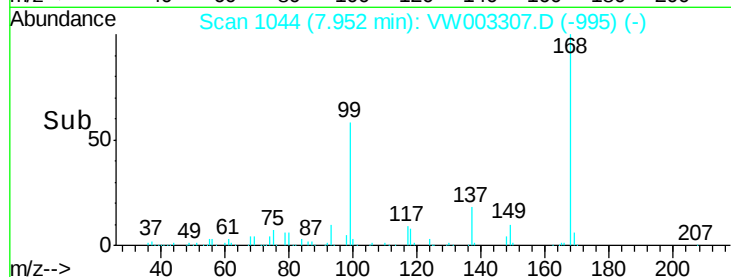
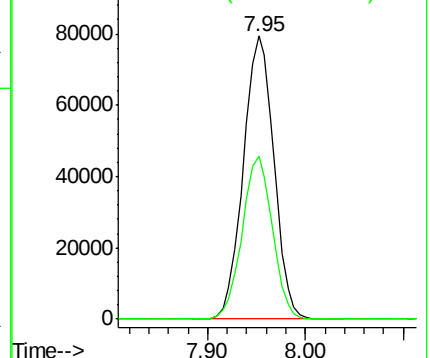
168 100

99 57.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 15.657 ug/l

RT: 5.23 min Scan# 598

Delta R.T. -0.02 min

Lab File: VW003307.D

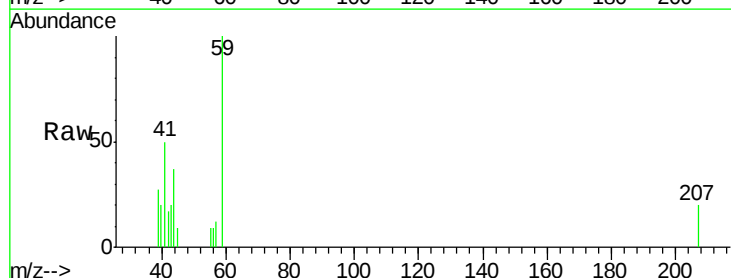
Acq: 15 Jun 2018 21:53

Tgt Ion: 59 Resp: 1567

Ion Ratio Lower Upper

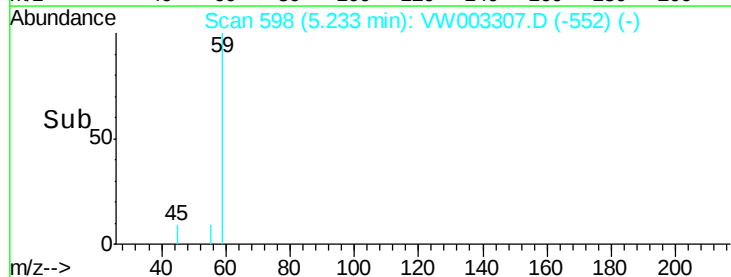
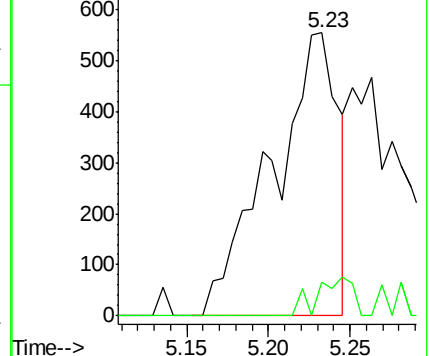
59 100

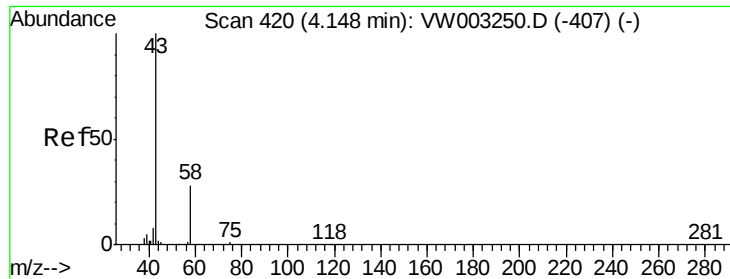
57 7.3 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 141.317 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

Instrument :

MSVOA_W

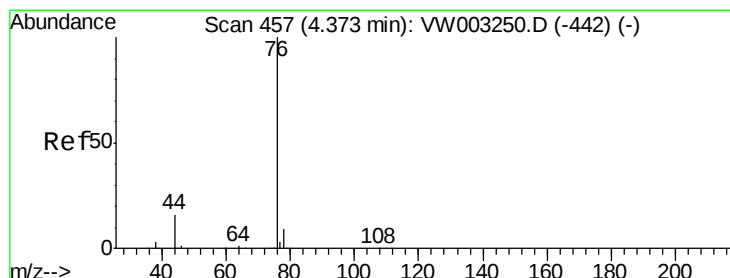
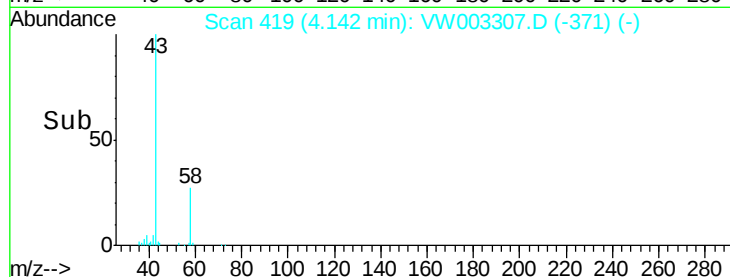
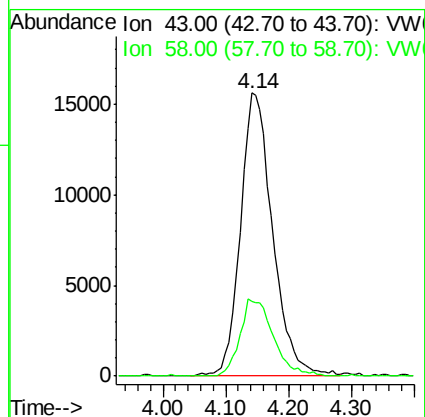
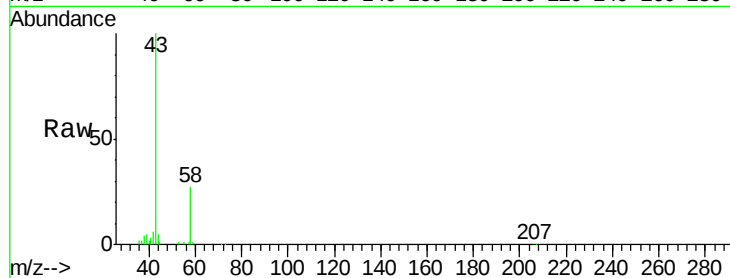
ClientSampled :

Tot Ion: 43 Resp: 55308

Ion Ratio Lower Upper

43 100

58 26.6 22.6 34.0



#17

Carbon Disulfide

Concen: 1.308 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003307.D

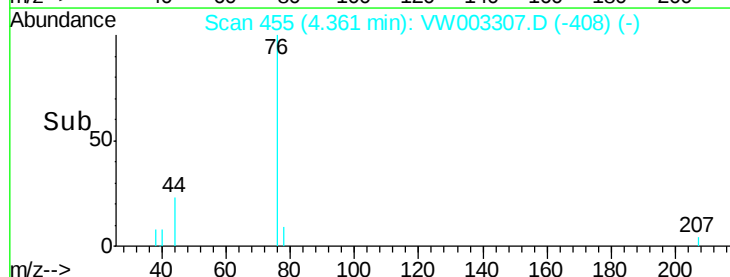
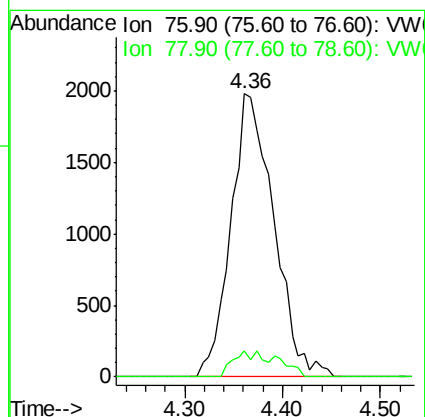
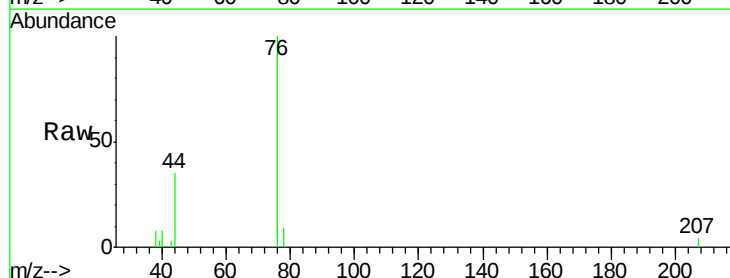
Acq: 15 Jun 2018 21:53

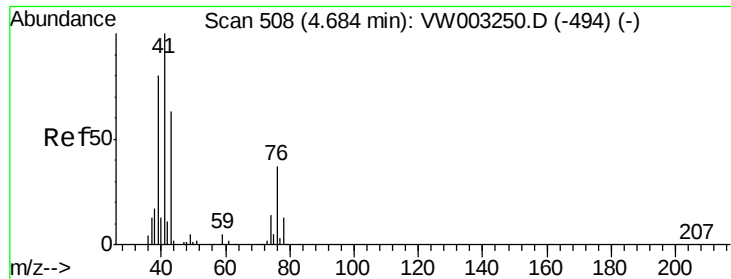
Tgt Ion: 76 Resp: 6031

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

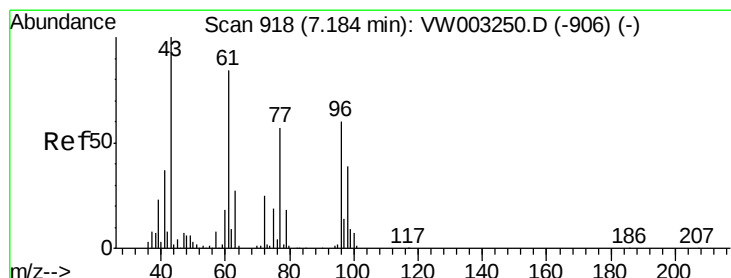
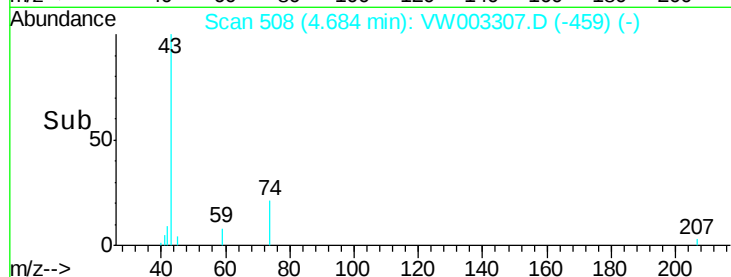
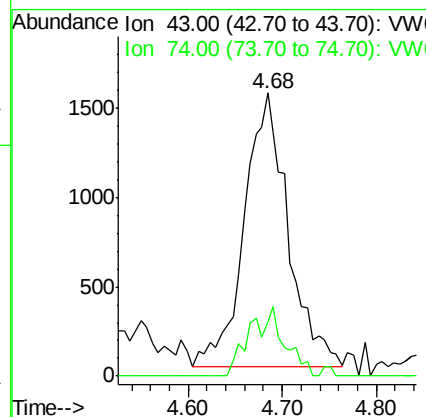
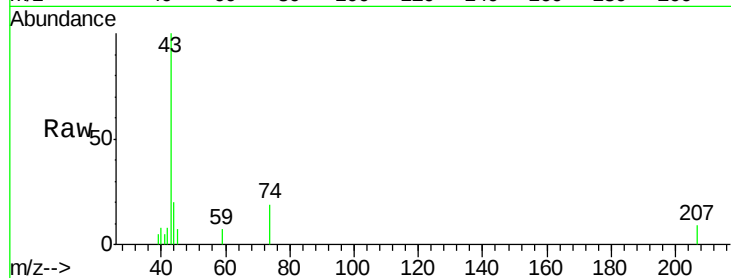




#18
Methvl Acetate
Concen: 5.363 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

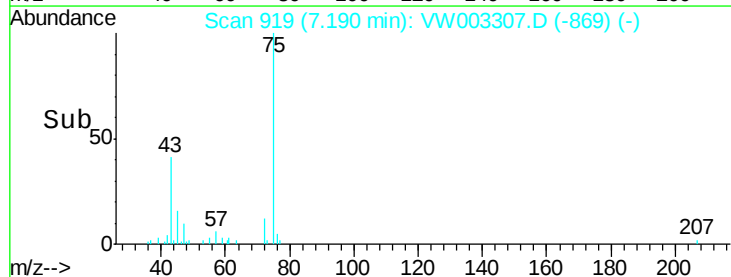
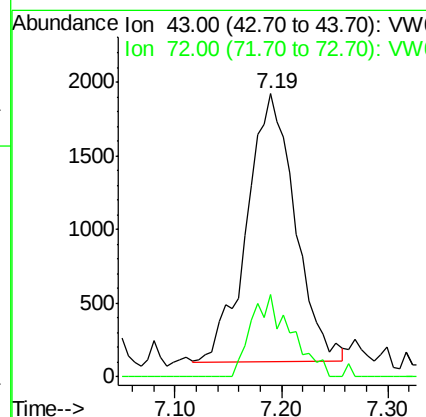
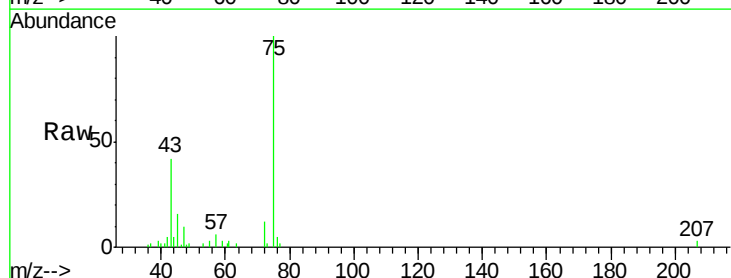
Instrument :
MSVOA_W
ClientSampled :

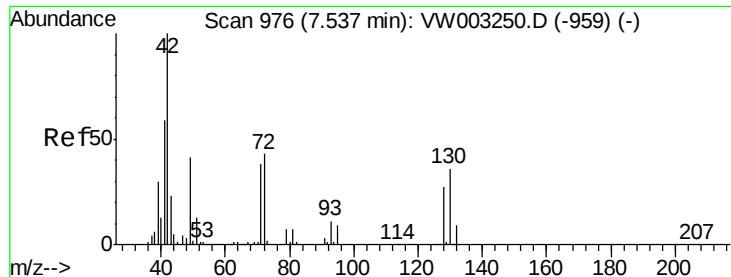
Tot Ion: 43 Resp: 4979
Ion Ratio Lower Upper
43 100
74 11.3 18.7 28.1#



#25
2-Butanone
Concen: 11.846 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion: 43 Resp: 5765
Ion Ratio Lower Upper
43 100
72 30.8 20.3 30.5#

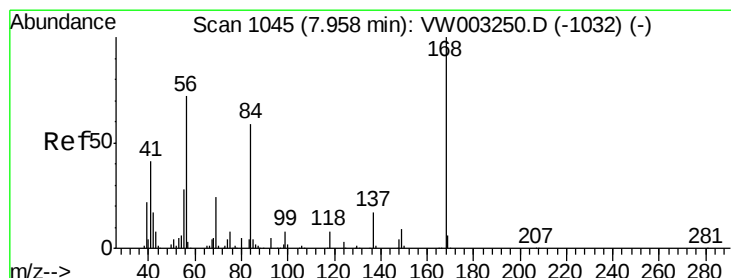
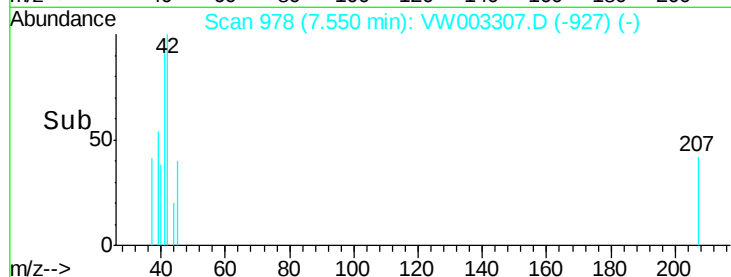
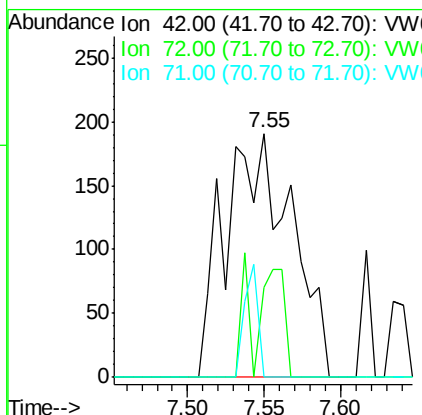
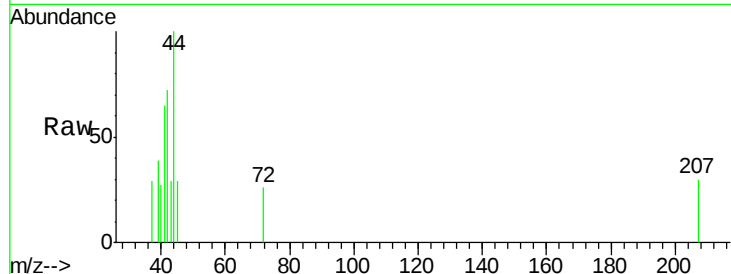




#29
Tetrahydrofuran
Concen: 1.947 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

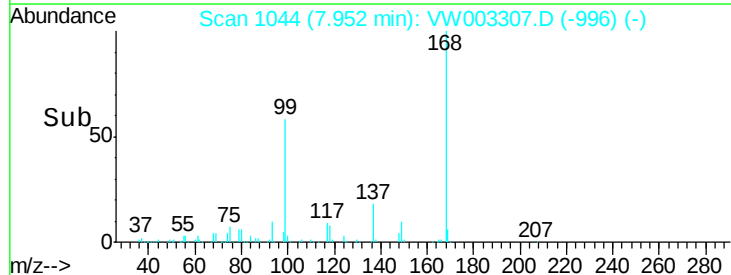
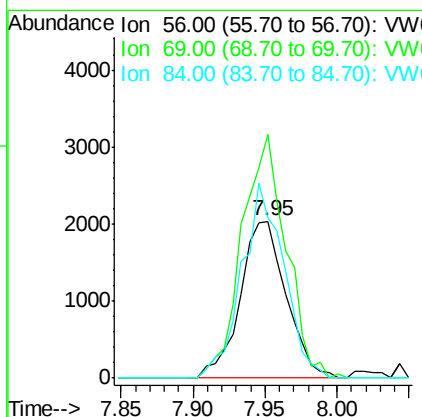
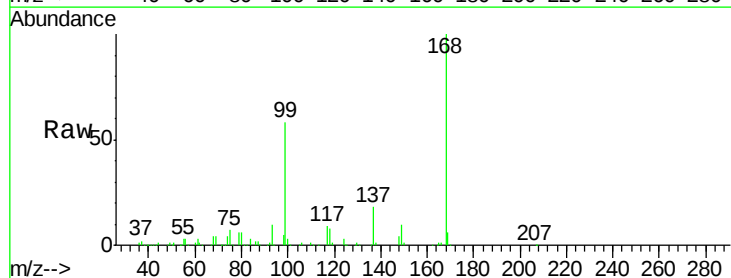
Instrument :
MSVOA_W
ClientSampled :

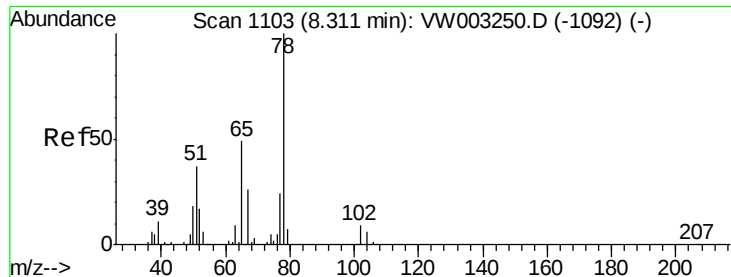
Tot Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 15.0 32.4 48.6#
71 9.3 31.2 46.8#



#31
Cyclohexane
Concen: 1.497 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion: 56 Resp: 4514
Ion Ratio Lower Upper
56 100
69 154.9 26.3 39.5#
84 102.5 65.7 98.5#

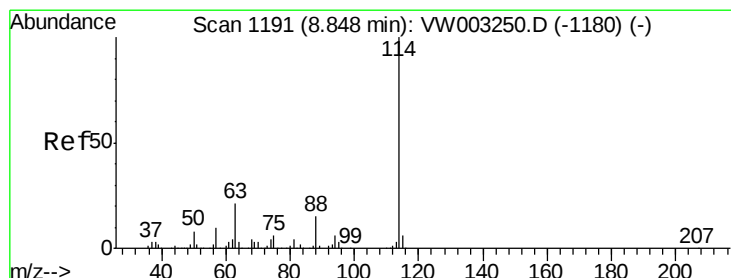
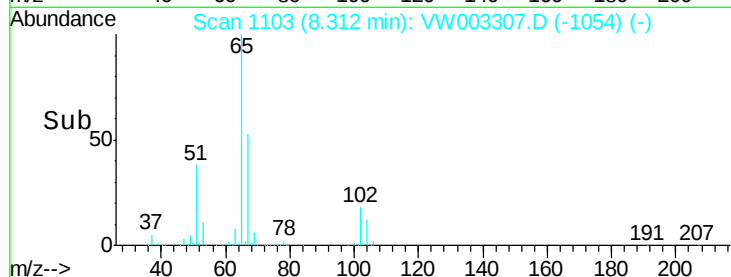
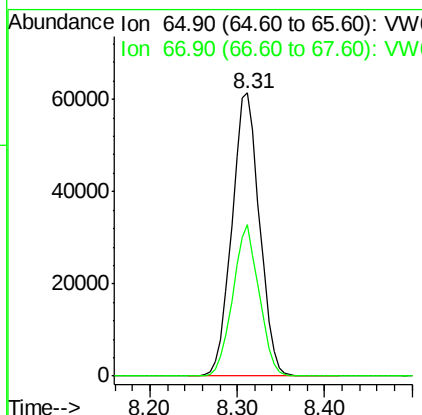
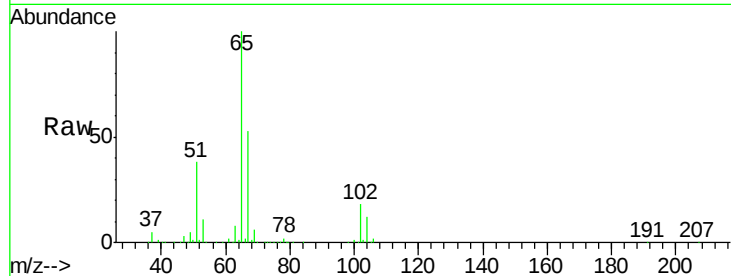




#33
 1,2-Dichloroethane-d4
 Concen: 72.217 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003307.D
 Acq: 15 Jun 2018 21:53

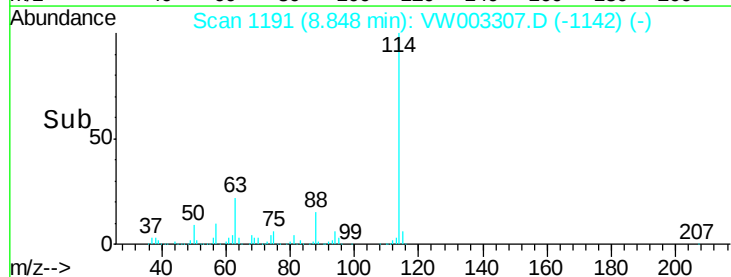
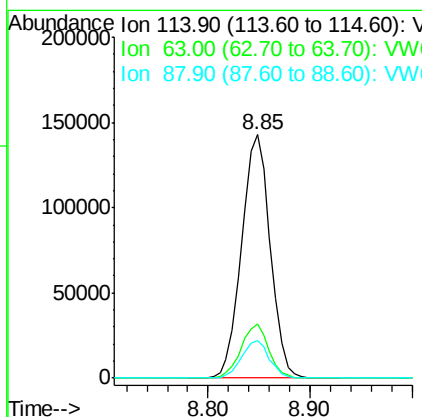
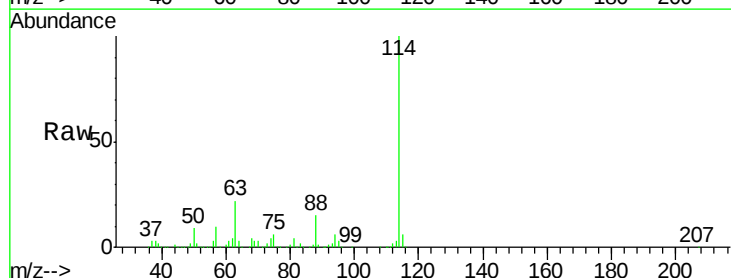
Instrument :
 MSVOA_W
 ClientSampleId :

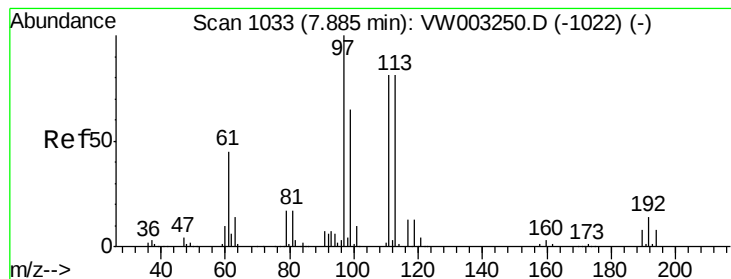
Tot Ion: 65 Resp: 134764
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003307.D
 Acq: 15 Jun 2018 21:53

Tgt Ion: 114 Resp: 278233
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.0
 88 15.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 68.073 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

Instrument :
MSVOA_W
ClientSampleId :

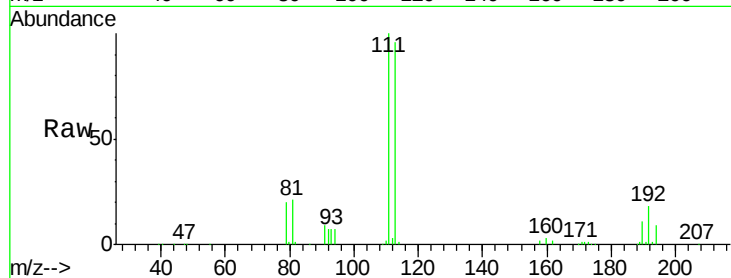
Tot Ion:113 Resp: 117688

Ion Ratio Lower Upper

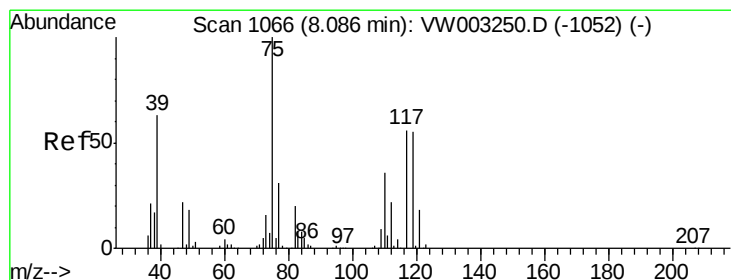
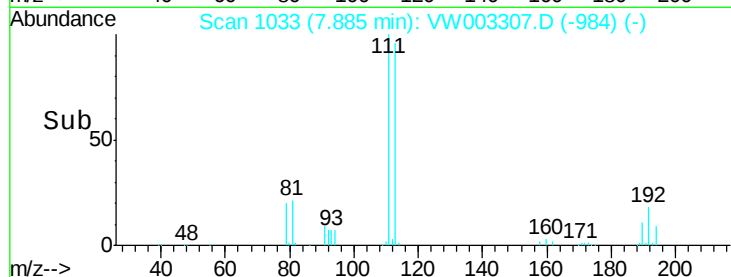
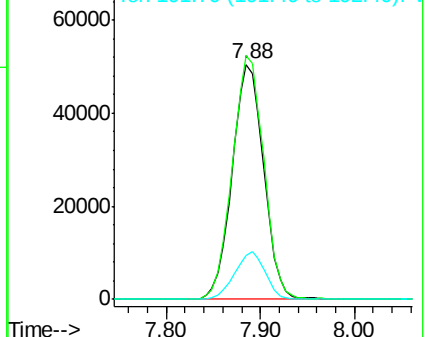
113 100

111 103.6 82.2 123.2

192 19.5 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: 5.359 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

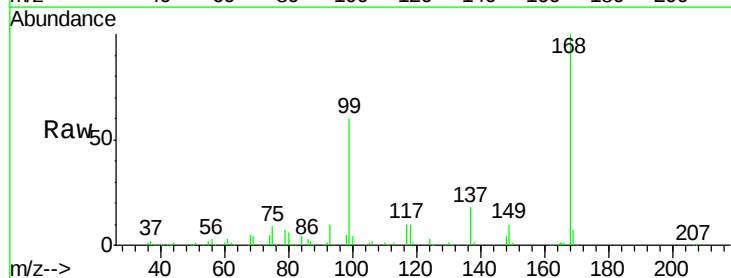
Tgt Ion: 75 Resp: 14400

Ion Ratio Lower Upper

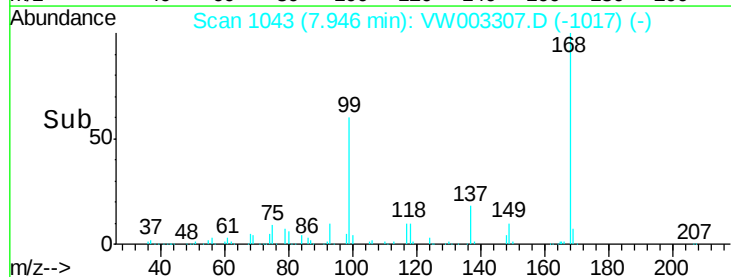
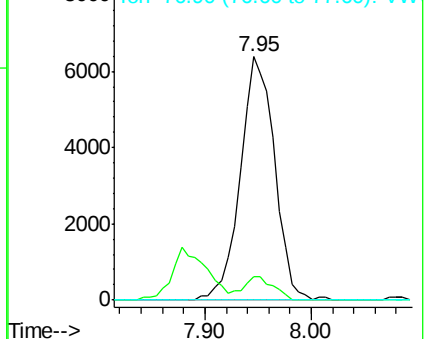
75 100

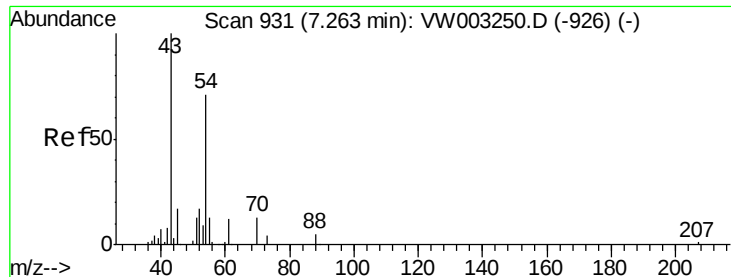
110 8.0 17.1 51.3#

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): V
Ion 76.90 (76.60 to 77.60): VW

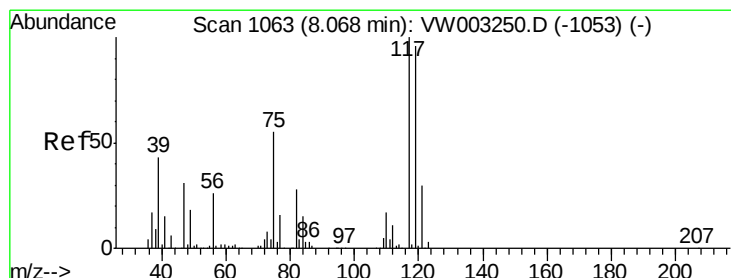
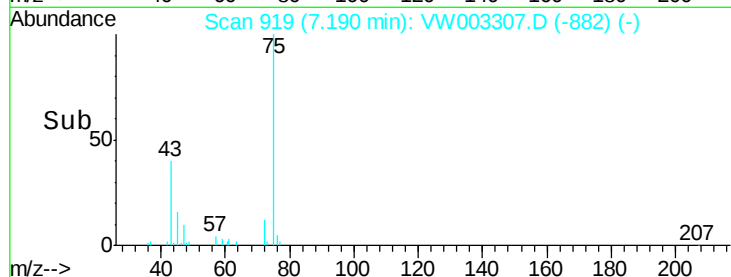
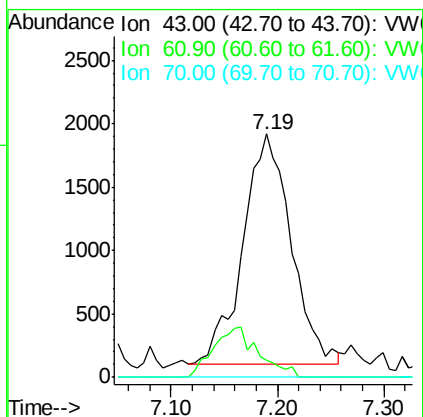
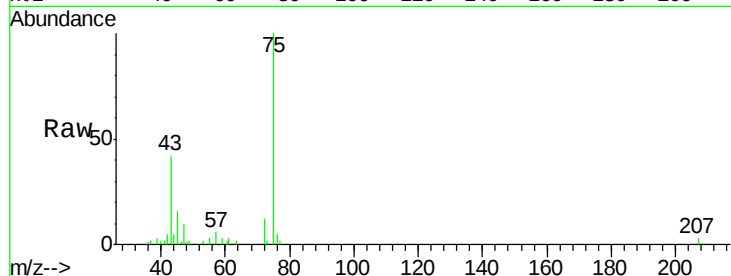




#37
Ethyl Acetate
Concen: 5.179 ug/l
RT: 7.19 min Scan# 919
Delta R.T. -0.07 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

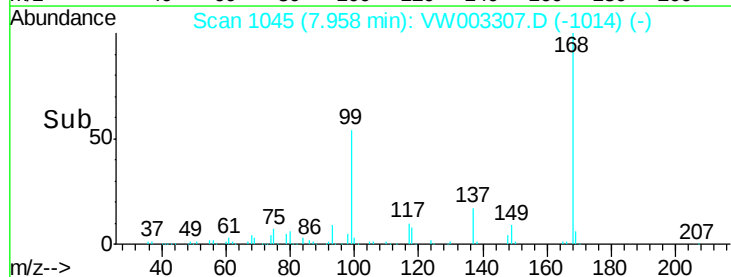
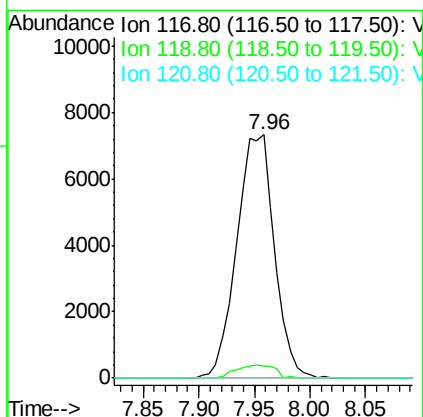
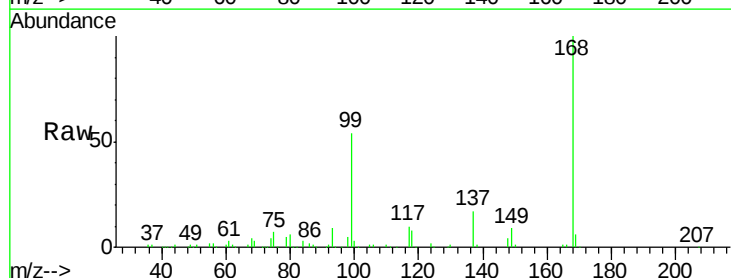
Instrument :
MSVOA_W
ClientSampled :

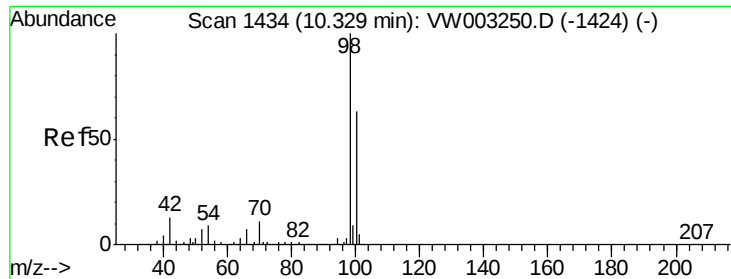
Tot Ion: 43 Resp: 5765
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.11 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion: 117 Resp: 17198
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 23.9 35.9#

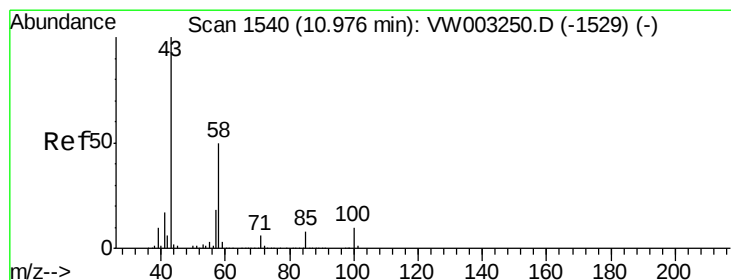
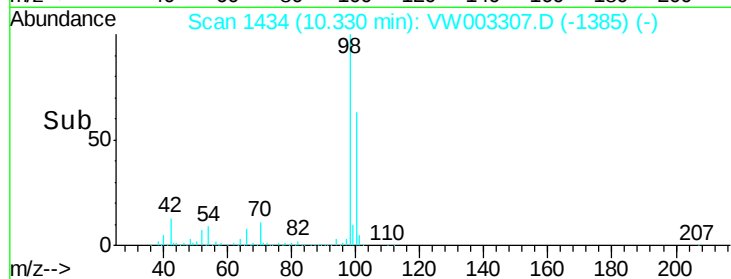
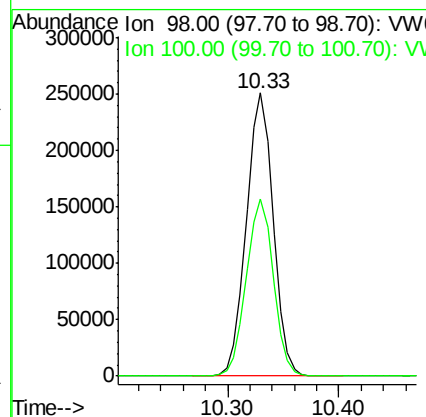
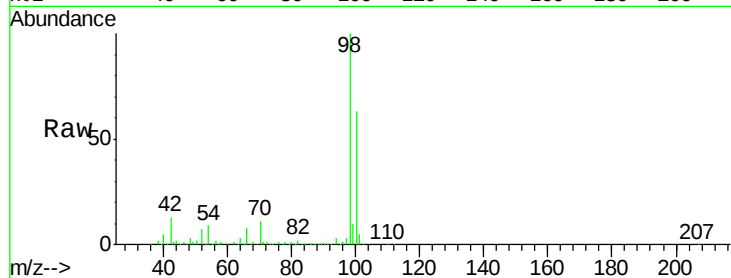




#50
Toluene-d8
Concen: 61.395 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

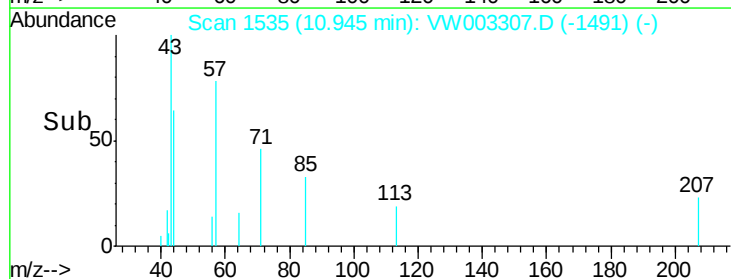
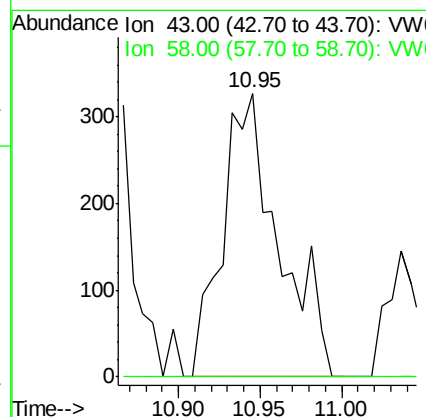
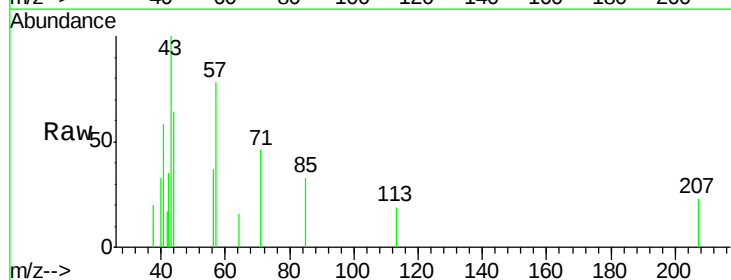
Instrument :
MSVOA_W
ClientSampled :

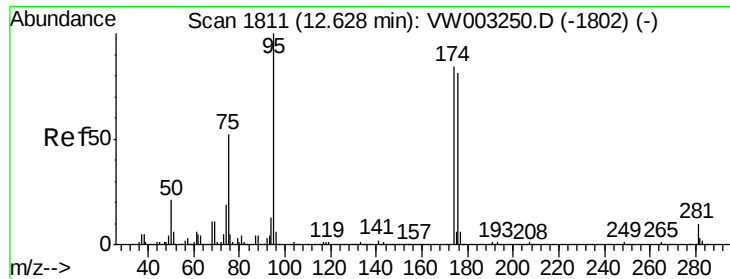
Tot Ion: 98 Resp: 420883
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2



#59
2-Hexanone
Concen: 1.002 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.03 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 0.0 25.0 75.0#

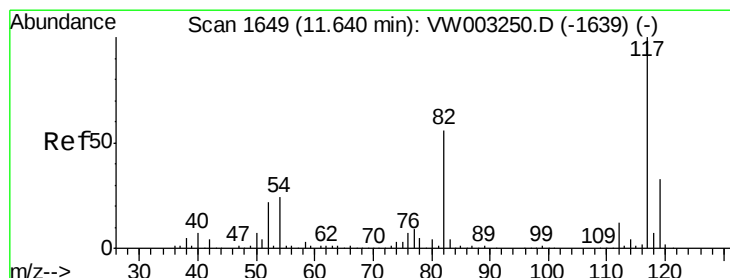
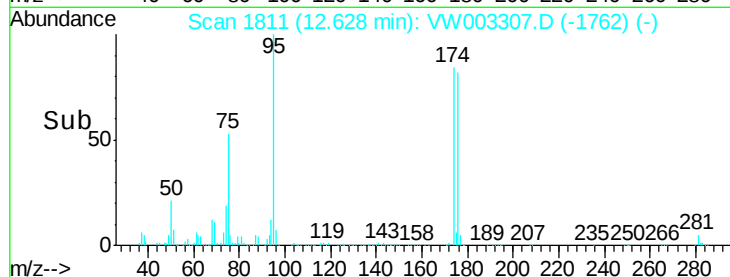
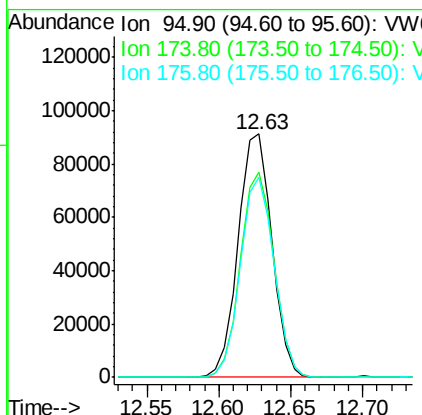
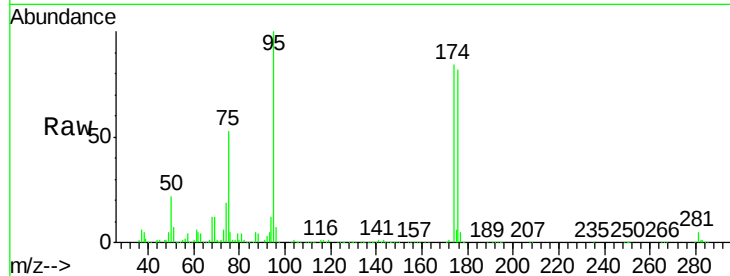




#62
4-Bromofluorobenzene
Concen: 61.033 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

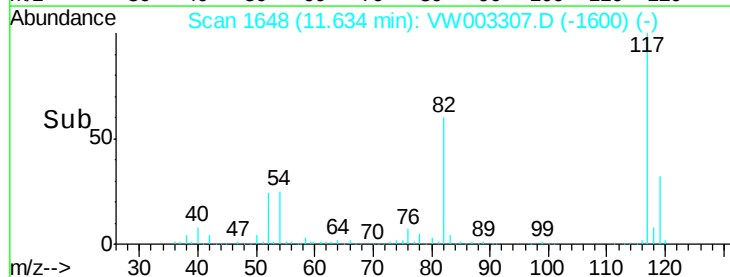
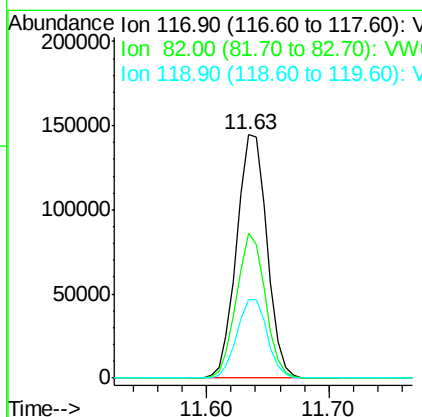
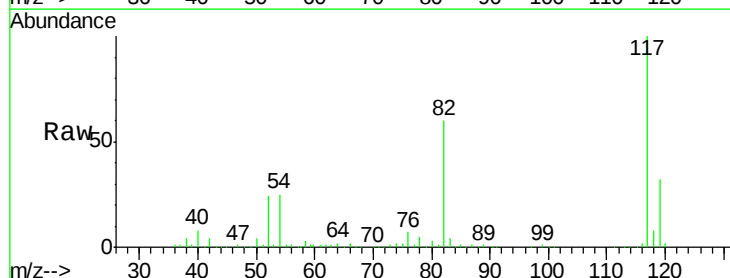
Instrument :
MSVOA_W
ClientSampleId :

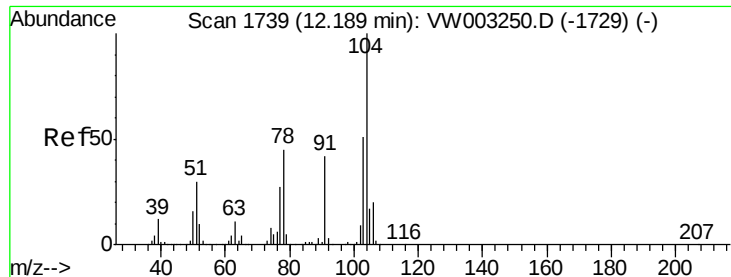
Tot Ion: 95 Resp: 148068
Ion Ratio Lower Upper
95 100
174 84.4 0.0 166.4
176 81.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion: 117 Resp: 248528
Ion Ratio Lower Upper
117 100
82 59.8 44.6 67.0
119 32.5 26.7 40.1

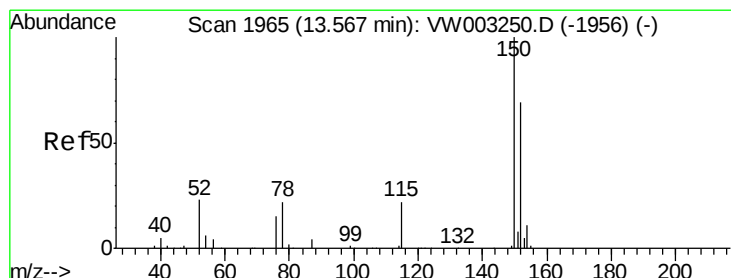
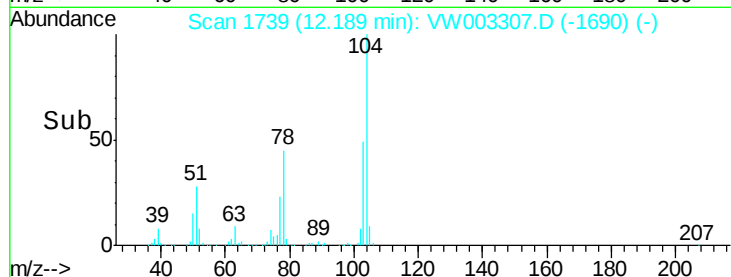
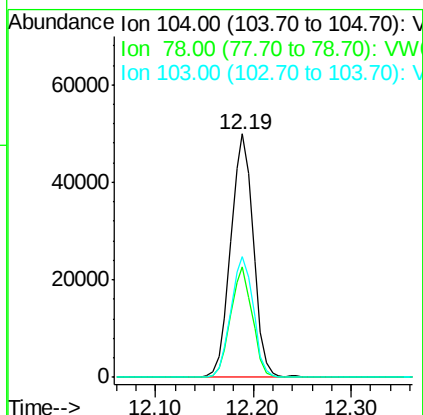
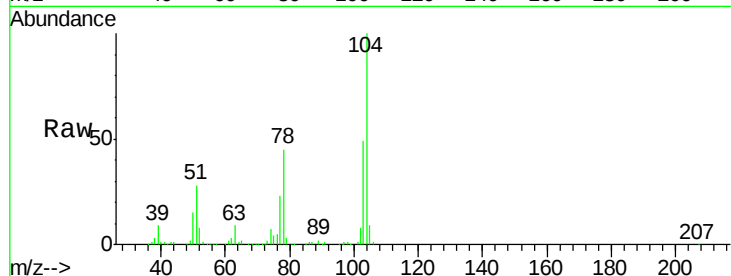




#70
Stvrene
Concen: 14.855 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

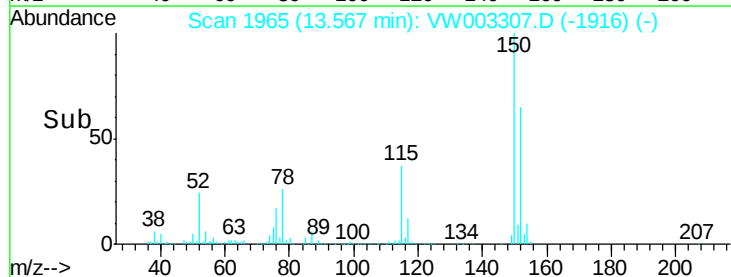
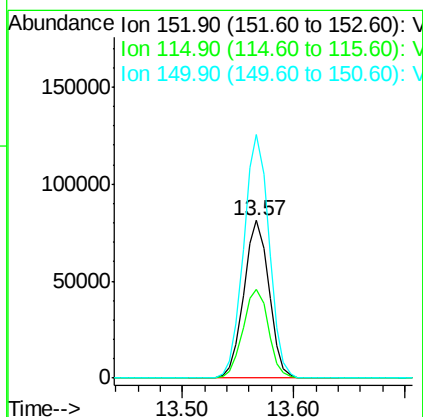
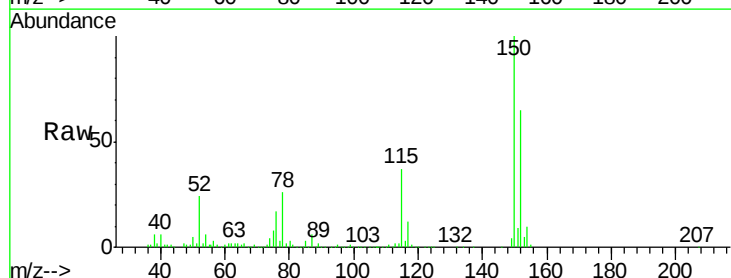
Instrument :
MSVOA_W
ClientSampleId :

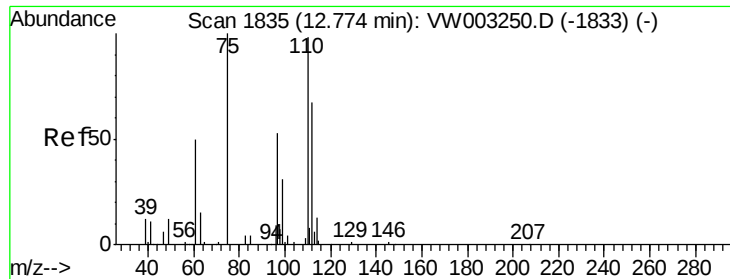
Tot Ion:104 Resp: 79917
Ion Ratio Lower Upper
104 100
78 43.6 41.3 61.9
103 49.4 45.0 67.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003307.D
Acq: 15 Jun 2018 21:53

Tgt Ion:152 Resp: 127901
Ion Ratio Lower Upper
152 100
115 57.0 29.3 88.0
150 155.8 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 74.856 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

Instrument :

MSVOA_W

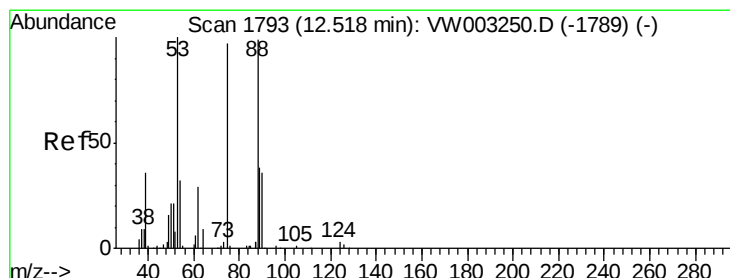
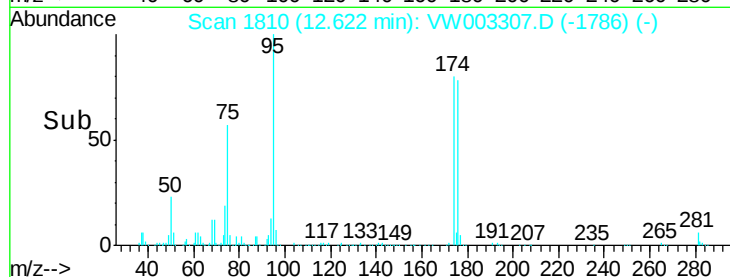
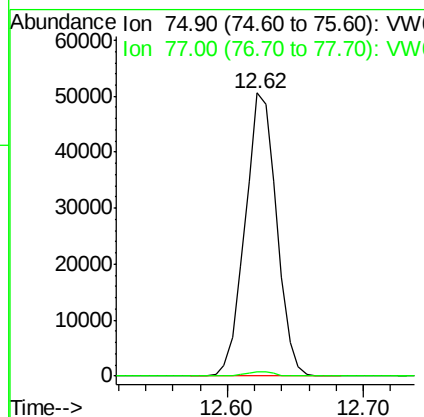
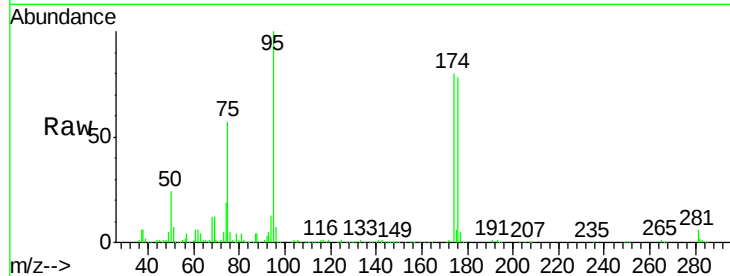
ClientSampled :

Tot Ion: 75 Resp: 81848

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 172.248 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

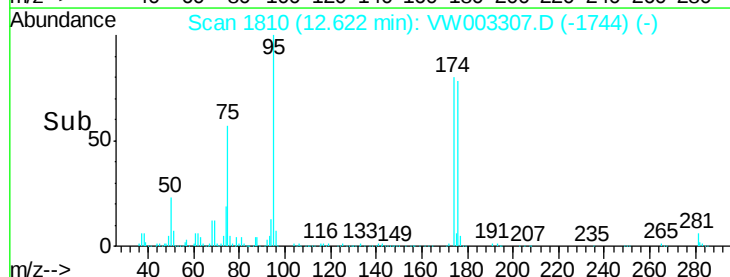
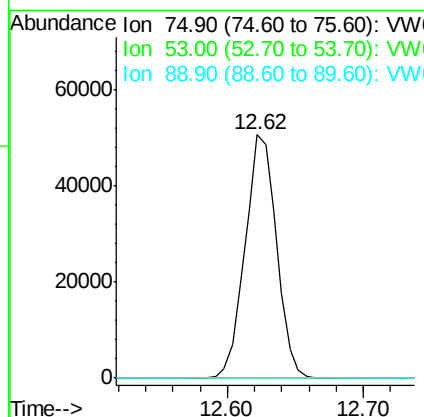
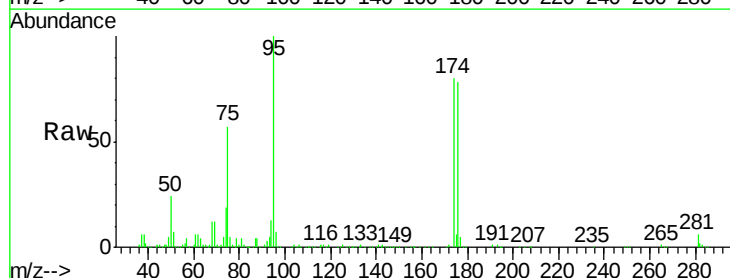
Tgt Ion: 75 Resp: 81848

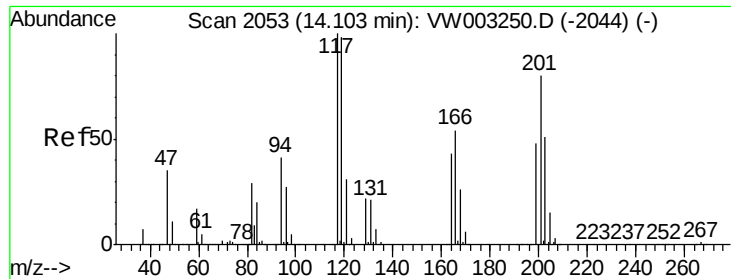
Ion Ratio Lower Upper

75 100

53 0.2 82.9 124.3#

89 0.1 36.7 55.1#





#90

Hexachloroethane

Concen: 1.390 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003307.D

Acq: 15 Jun 2018 21:53

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:117 Resp: 2098

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

