

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061019\
 Data File : VW010740.D
 Acq On : 10 Jun 2019 12:55
 Operator : SY/VA
 Sample : K3265-01
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-01-1.5-2.0

Quant Time: Jun 11 05:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132417	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	152977	60.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.98%	
35) Dibromofluoromethane	7.88	113	111249	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
50) Toluene-d8	10.32	98	475656	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.62	95	163990	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

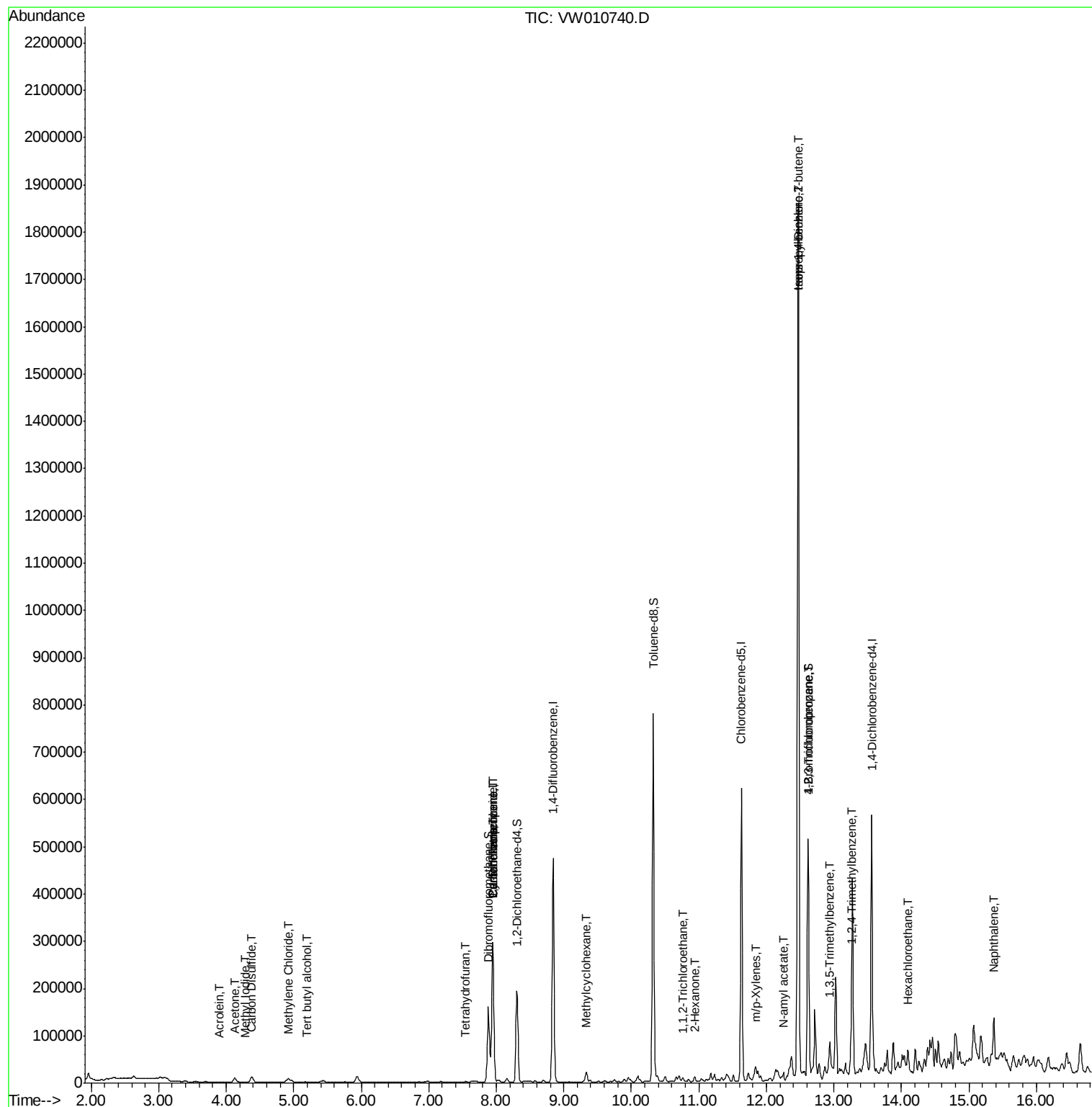
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	190	4.877	ug/l #	41
11) Tert butyl alcohol	5.19	59	1282	6.274	ug/l #	72
13) Acrolein	3.91	56	100	1.198	ug/l #	56
16) Acetone	4.12	43	15784	23.487	ug/l	98
17) Carbon Disulfide	4.38	76	20817	3.187	ug/l	98
20) Methylene Chloride	4.92	84	4261	1.807	ug/l	98
29) Tetrahydrofuran	7.53	42	1064	1.815	ug/l #	40
31) Cyclohexane	7.95	56	7783	1.538	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	18676	4.992	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20946	6.485	ug/l #	17
39) Methylcyclohexane	9.34	83	7501	1.577	ug/l	97
55) 1,1,2-Trichloroethane	10.77	97	2645	1.463	ug/l #	28
59) 2-Hexanone	10.94	43	5639	3.813	ug/l #	29
68) m/p-Xylenes	11.84	106	5100	1.198	ug/l	91
73) Isopropylbenzene	12.47	105	75097	7.547	ug/l #	61
74) N-amyl acetate	12.26	43	4177	1.299	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	88826	63.878	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	17560	2.156	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.47	75	2753	4.550	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.26	105	42851	5.228	ug/l	79
90) Hexachloroethane	14.10	117	1694	1.051	ug/l #	11
95) Naphthalene	15.37	128	76378	15.903	ug/l	100

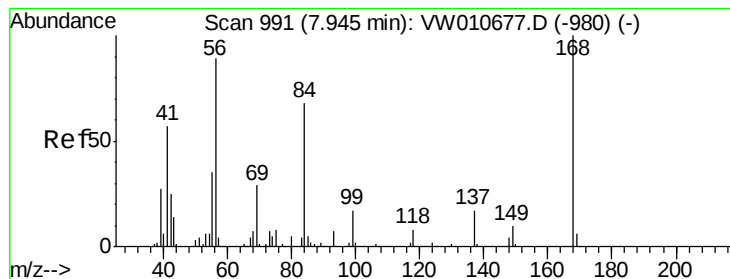
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW061019\
Data File : VW010740.D
Acq On : 10 Jun 2019 12:55
Operator : SY/VA
Sample : K3265-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-01-1.5-2.0

Quant Time: Jun 11 05:25:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

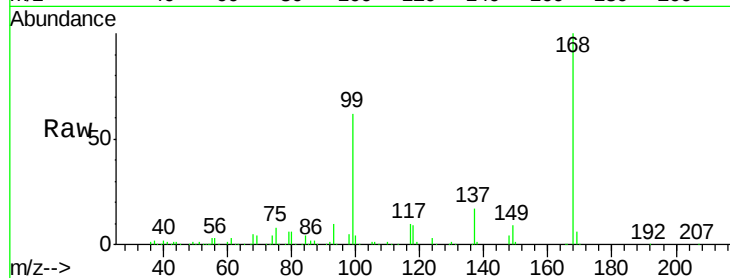
B-01-1.5-2.0

Tgt Ion:168 Resp: 212790

Ion Ratio Lower Upper

168 100

99 61.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

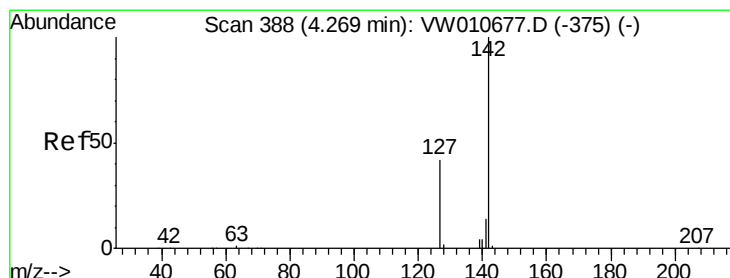
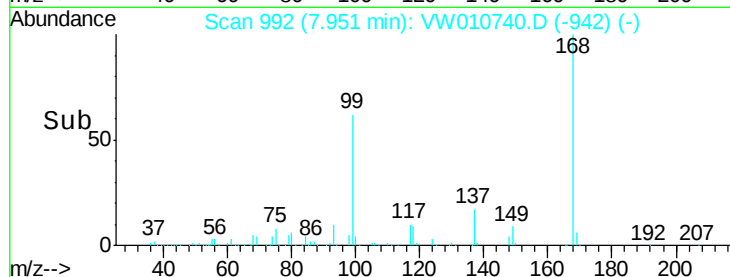
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.877 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

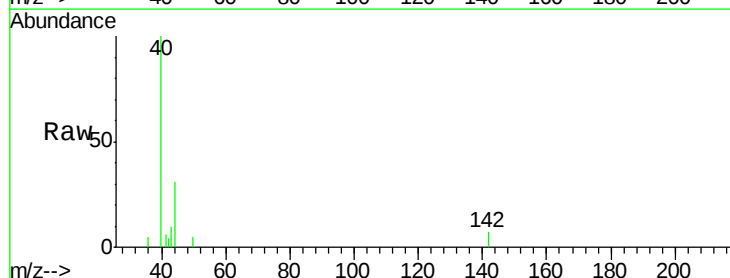
Tgt Ion:142 Resp: 190

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

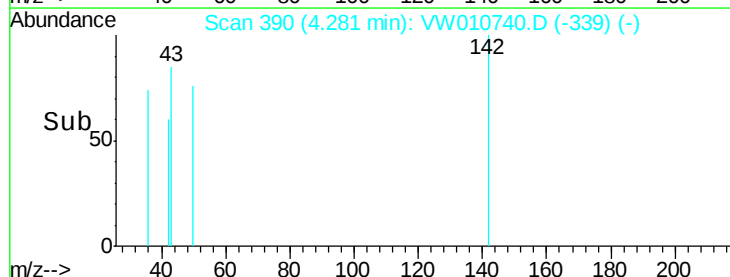
60

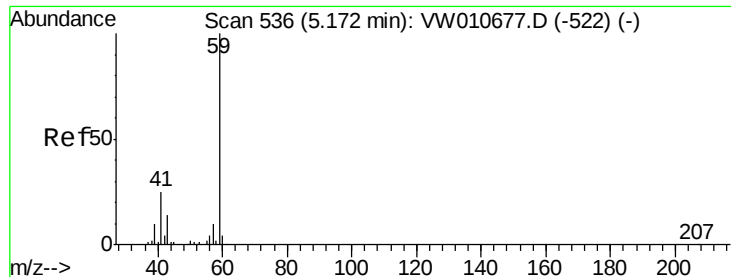
40

20

0

Time-->

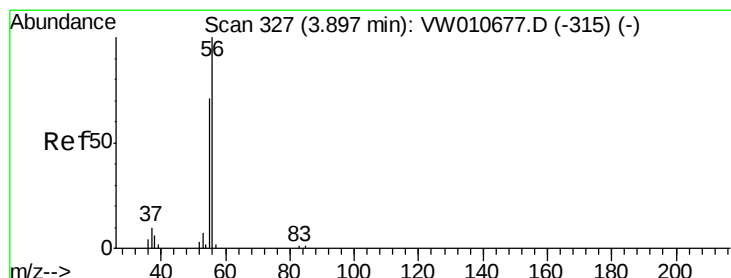
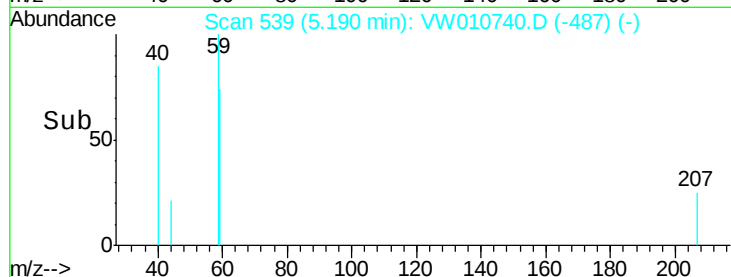
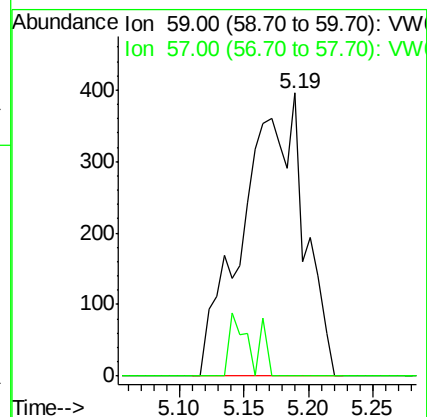
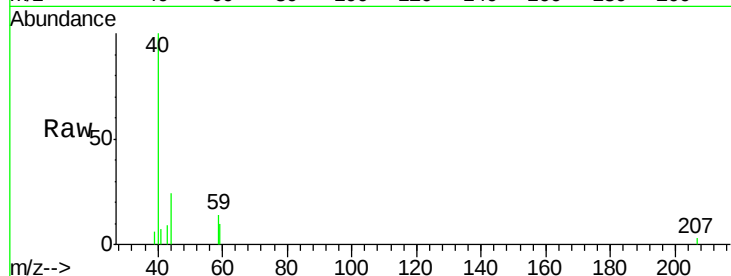




#11
Tert butyl alcohol
Concen: 6.274 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

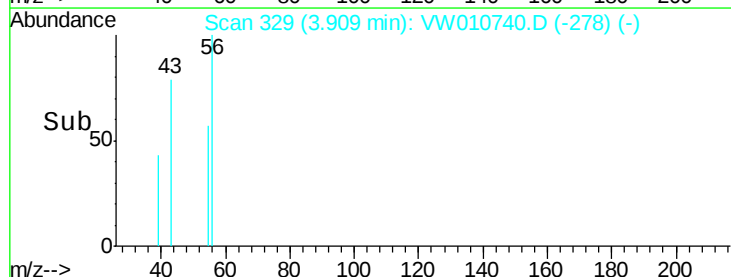
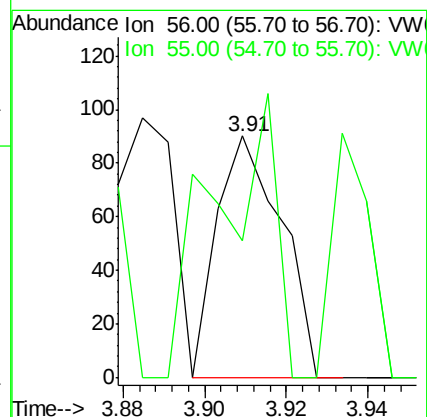
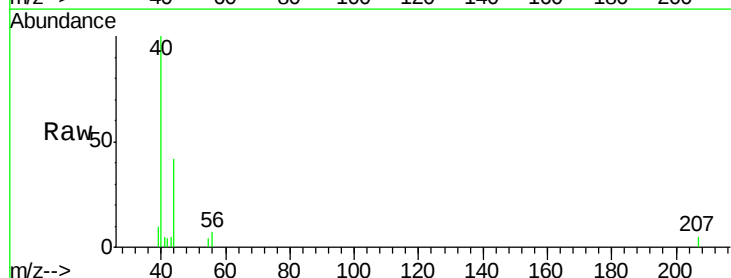
Instrument :
MSVOA_W
ClientSampleId :
B-01-1.5-2.0

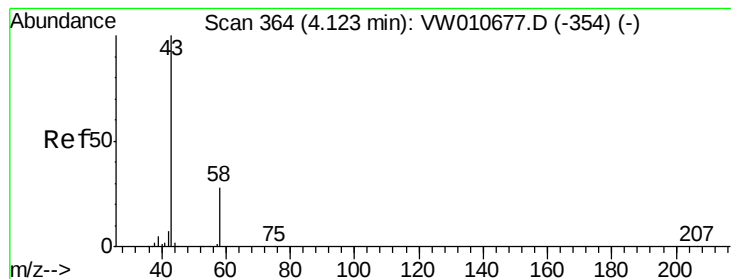
Tgt Ion: 59 Resp: 1282
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.198 ug/l
RT: 3.91 min Scan# 329
Delta R.T. 0.01 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 109.0 57.6 86.4#





#16

Acetone

Concen: 23.487 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

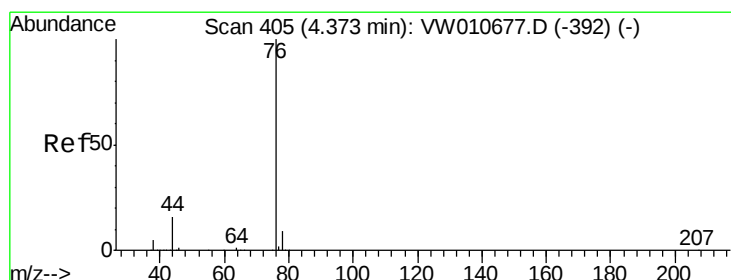
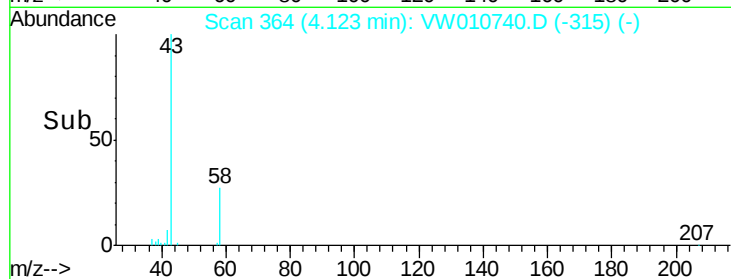
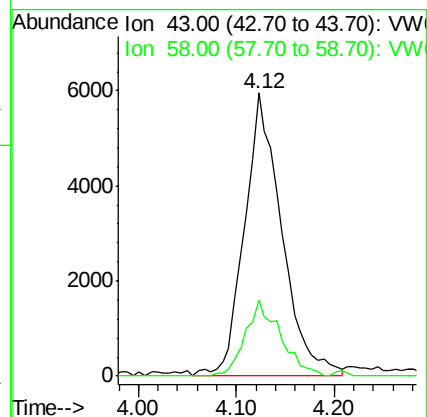
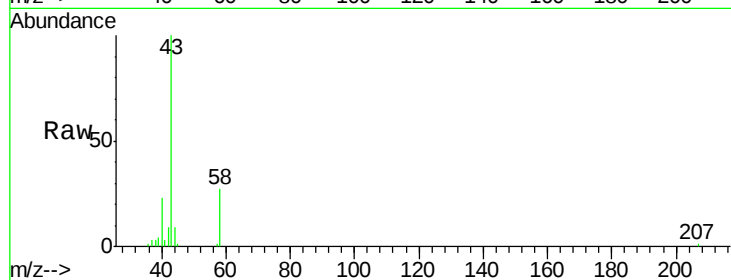
B-01-1.5-2.0

Tgt Ion: 43 Resp: 15784

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1



#17

Carbon Disulfide

Concen: 3.187 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010740.D

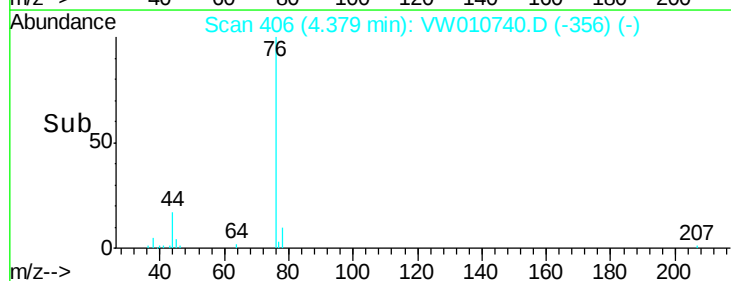
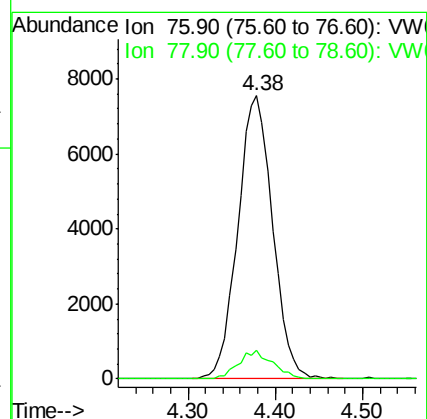
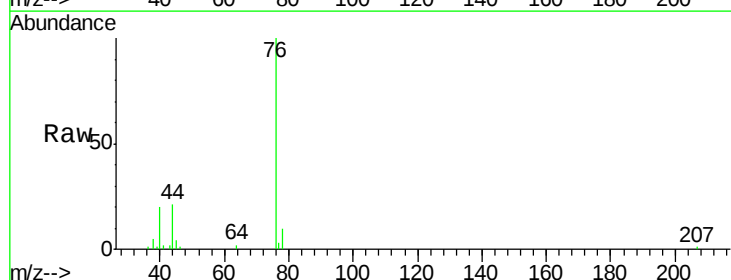
Acq: 10 Jun 2019 12:55

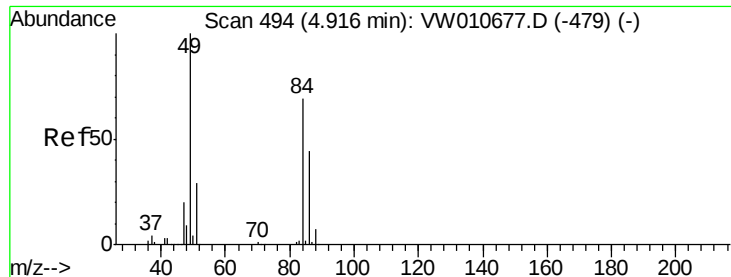
Tgt Ion: 76 Resp: 20817

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3

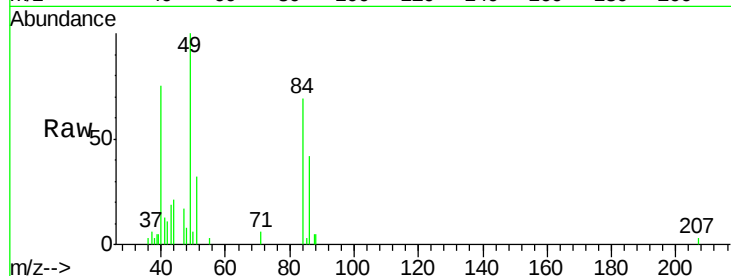




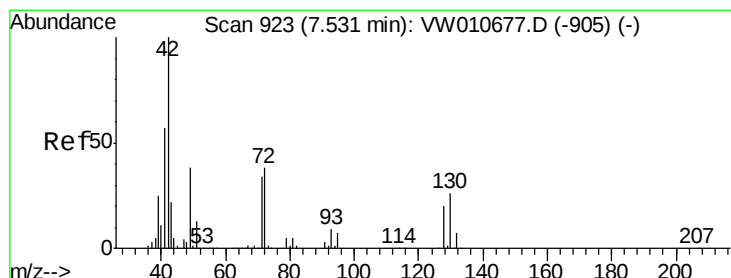
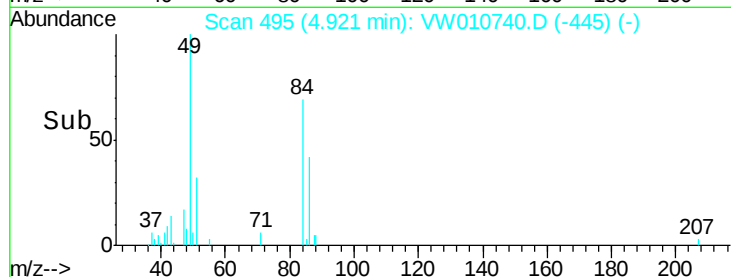
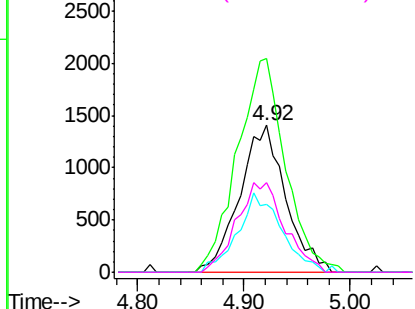
#20
Methylene Chloride
Concen: 1.807 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
B-01-1.5-2.0

Tgt Ion: 84 Resp: 4261
Ion Ratio Lower Upper
84 100
49 145.4 116.7 175.1
51 45.9 34.2 51.2
86 60.7 51.2 76.8

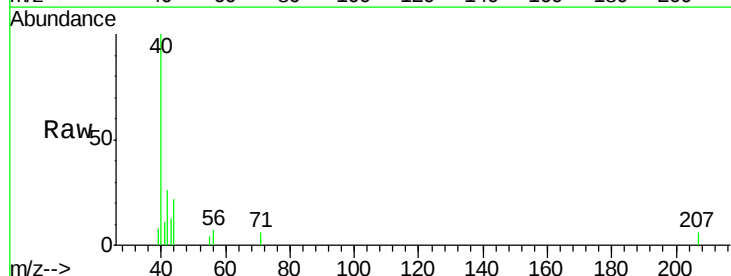


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

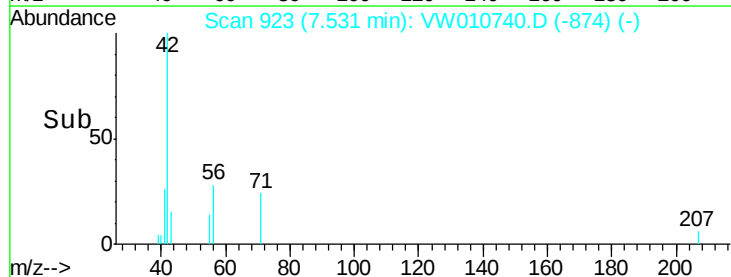
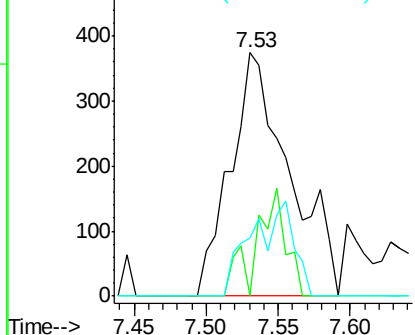


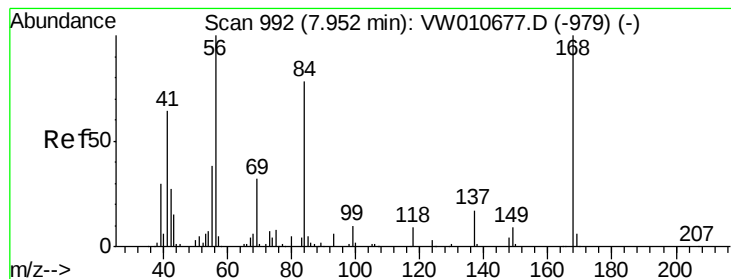
#29
Tetrahydrofuran
Concen: 1.815 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Tgt Ion: 42 Resp: 1064
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 26.6 39.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.538 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

B-01-1.5-2.0

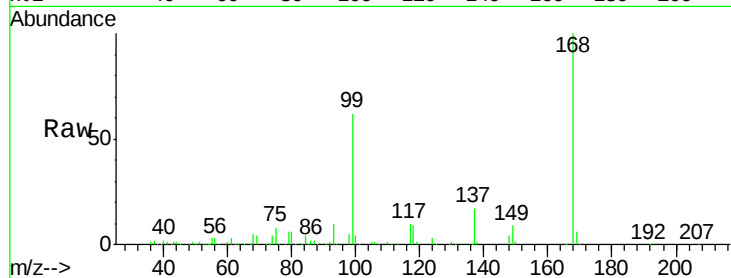
Tgt Ion: 56 Resp: 7783

Ion Ratio Lower Upper

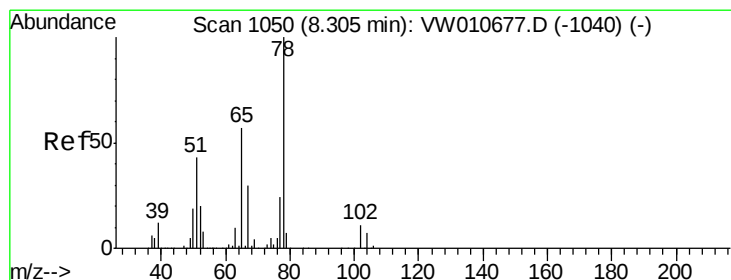
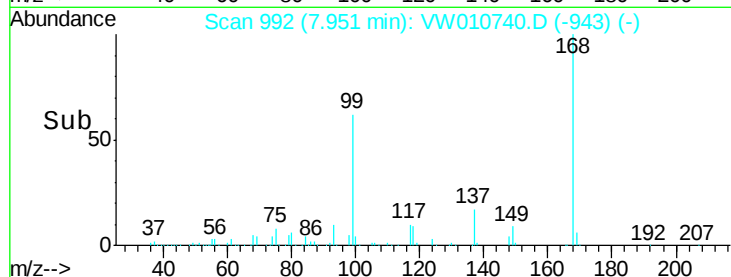
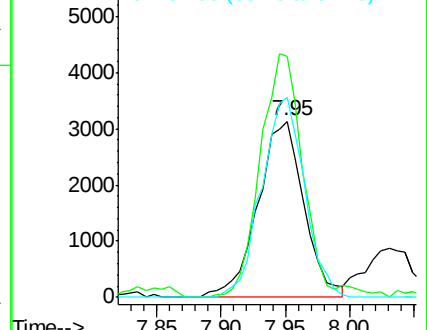
56 100

69 137.0 25.2 37.8#

84 114.0 62.2 93.2#



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: 60.993 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010740.D

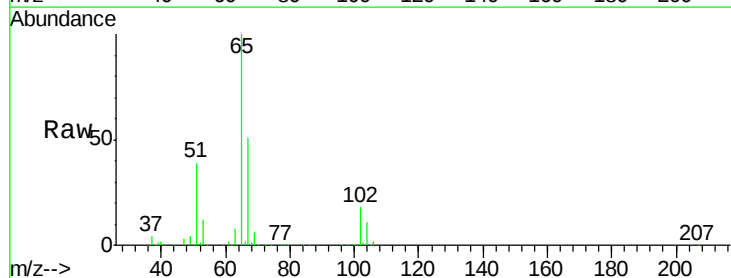
Acq: 10 Jun 2019 12:55

Tgt Ion: 65 Resp: 152977

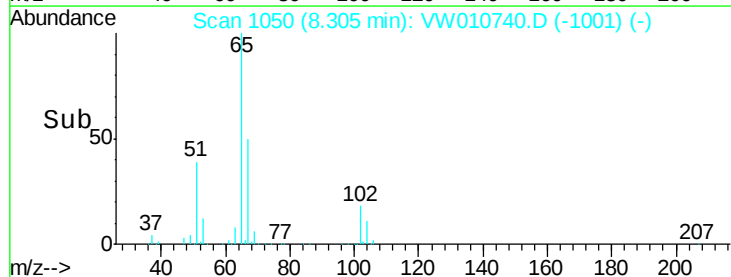
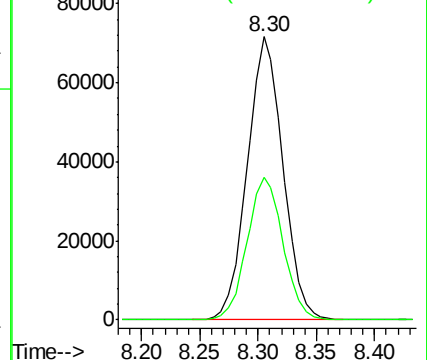
Ion Ratio Lower Upper

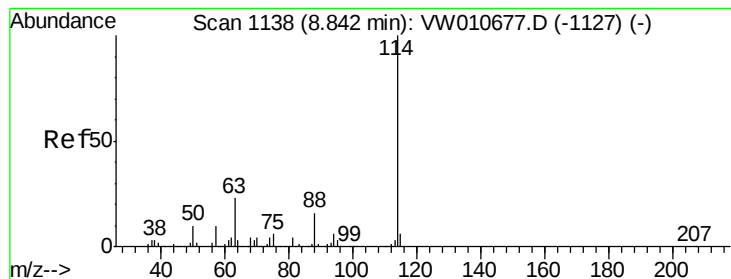
65 100

67 50.8 0.0 102.6



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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

B-01-1.5-2.0

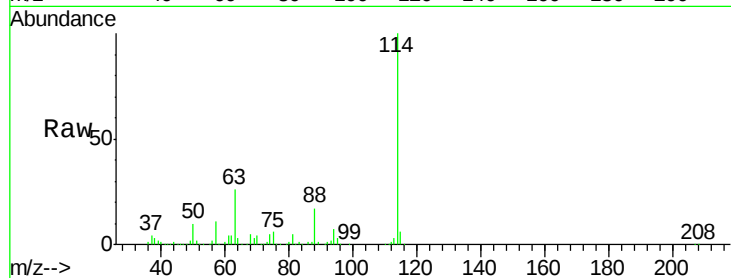
Tgt Ion:114 Resp: 365520

Ion Ratio Lower Upper

114 100

63 25.6 0.0 46.4

88 16.7 0.0 32.2



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

250000

200000

150000

100000

50000

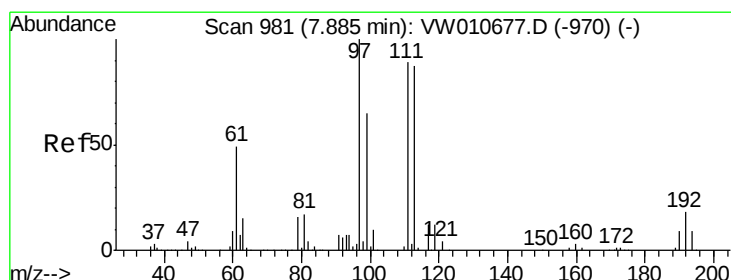
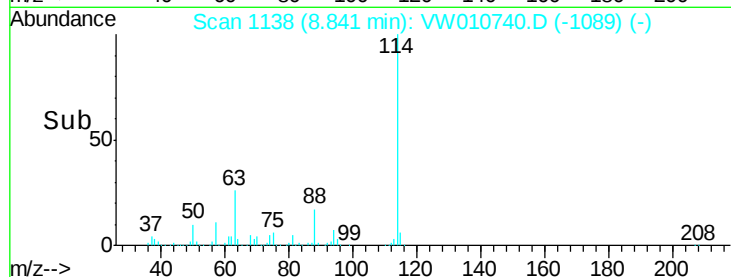
0

8.80

8.84

8.90

Time-->



#35

Dibromofluoromethane

Concen: 56.074 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

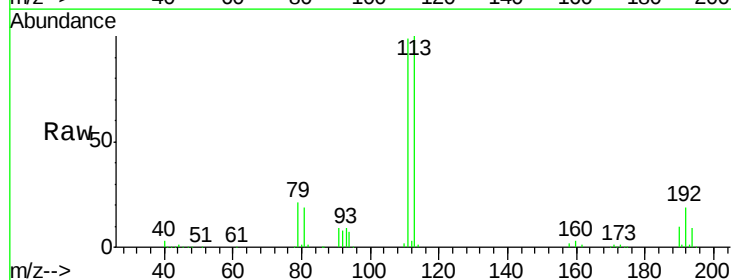
Tgt Ion:113 Resp: 111249

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.9 16.4 24.6



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

60000

50000

40000

30000

20000

10000

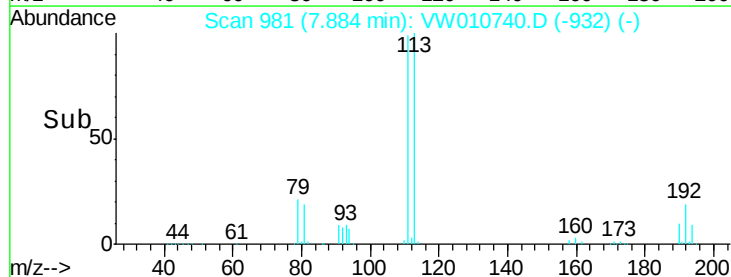
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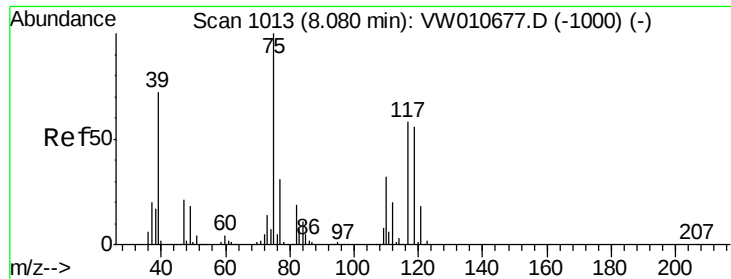
7.80

7.88

8.00

Time-->

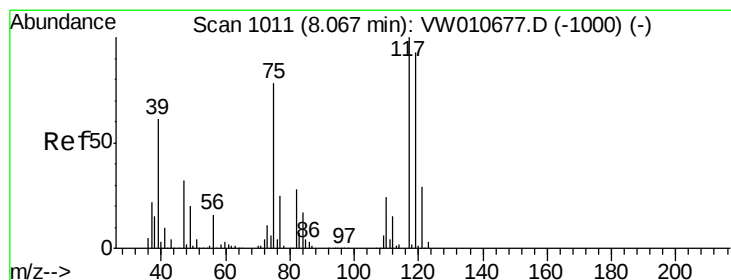
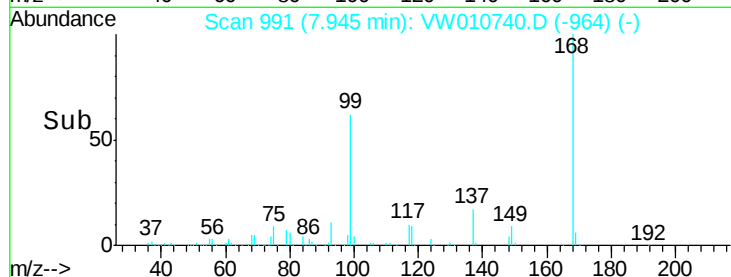
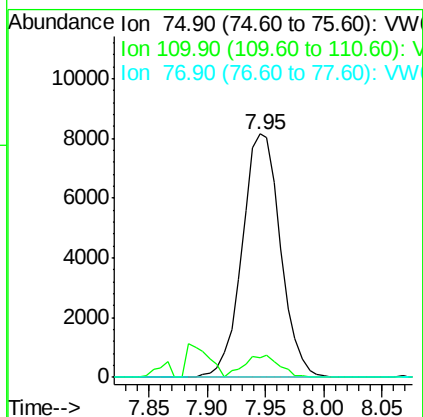
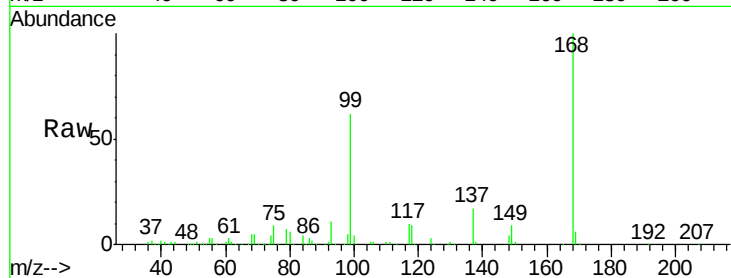




#36
 1,1-Dichloropropene
 Concen: 4.992 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010740.D
 Acq: 10 Jun 2019 12:55

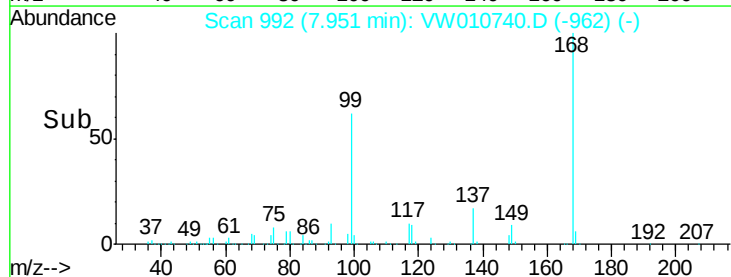
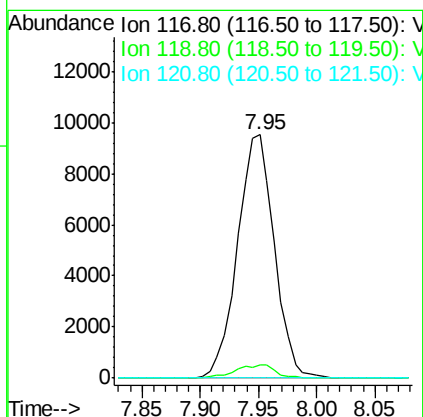
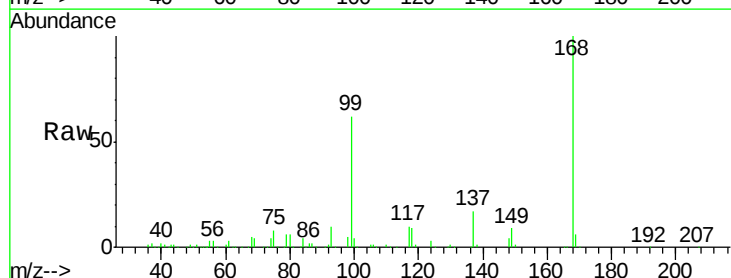
Instrument :
 MSVOA_W
 ClientSampleId :
 B-01-1.5-2.0

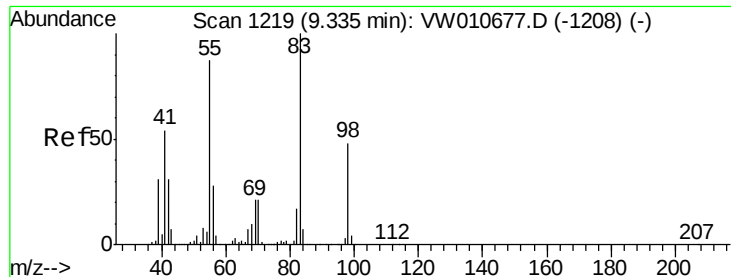
Tgt Ion: 75 Resp: 18676
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.8 47.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.485 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010740.D
 Acq: 10 Jun 2019 12:55

Tgt Ion: 117 Resp: 20946
 Ion Ratio Lower Upper
 117 100
 119 5.2 74.2 111.4#
 121 0.0 22.9 34.3#

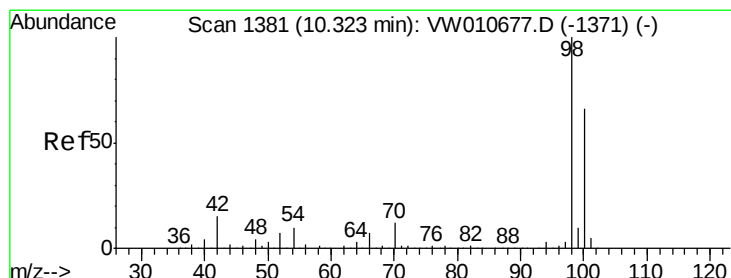
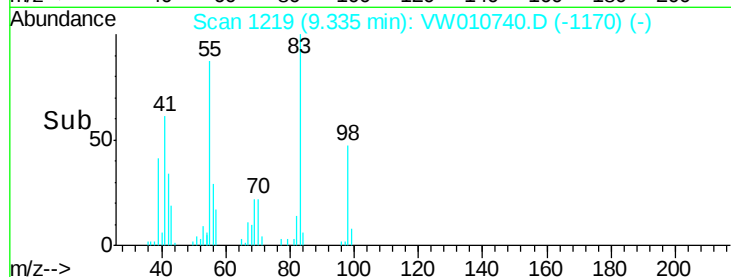
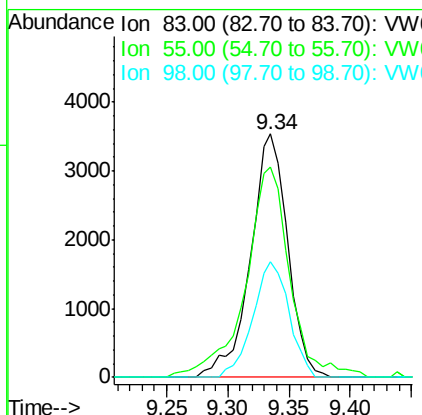
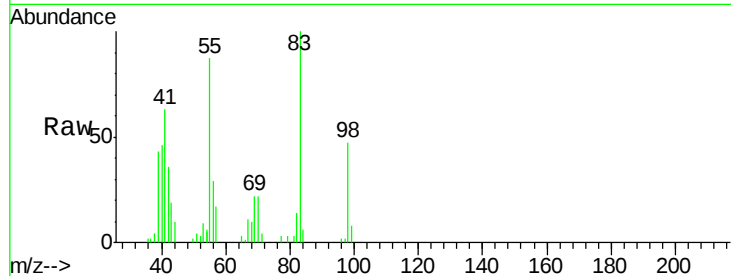




#39
Methylcyclohexane
Concen: 1.577 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

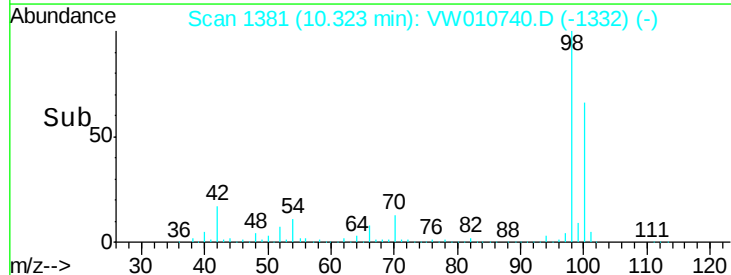
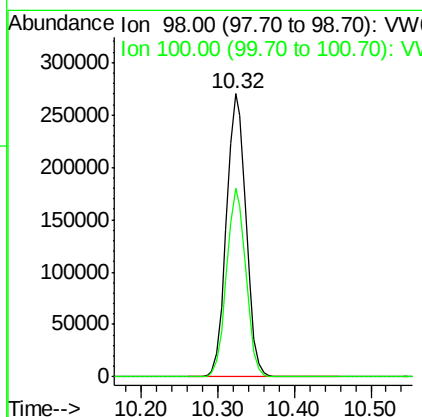
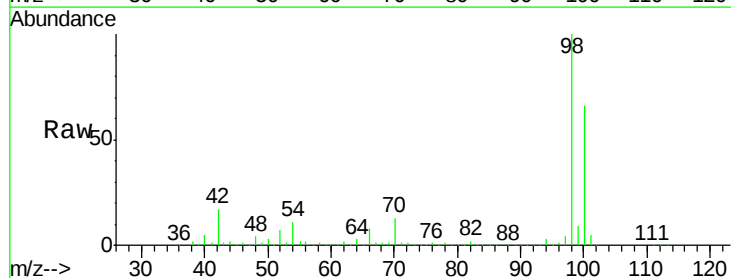
Instrument :
MSVOA_W
ClientSampled :
B-01-1.5-2.0

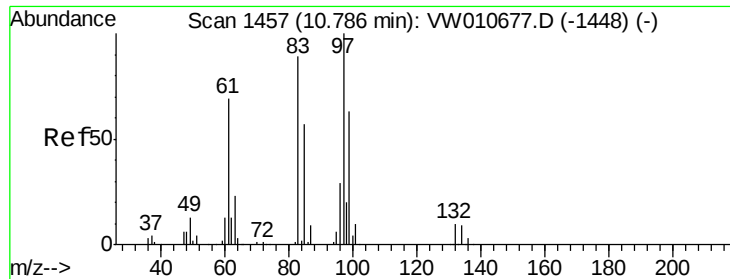
Tgt Ion: 83 Resp: 7501
Ion Ratio Lower Upper
83 100
55 83.9 70.0 105.0
98 47.4 38.1 57.1



#50
Toluene-d8
Concen: 54.674 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Tgt Ion: 98 Resp: 475656
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6

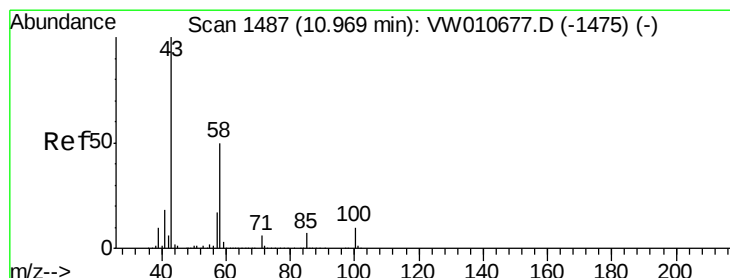
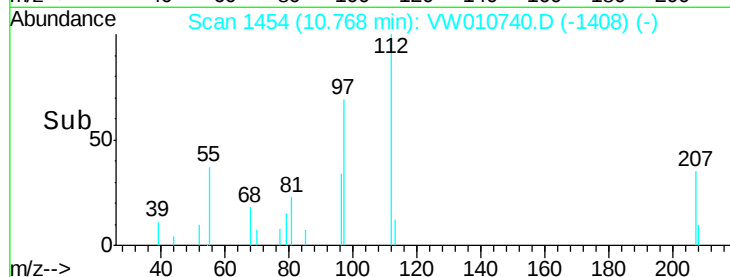
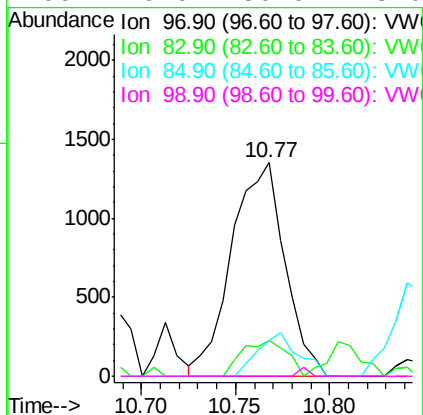
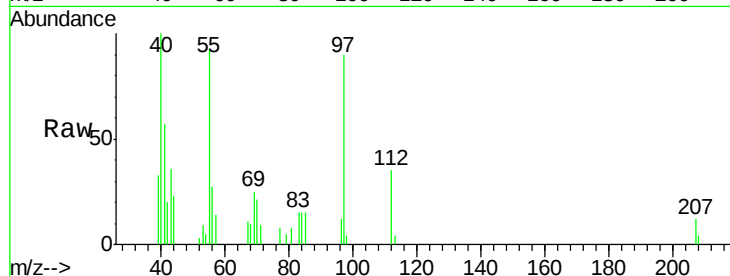




#55
 1,1,2-Trichloroethane
 Concen: 1.463 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW010740.D
 Acq: 10 Jun 2019 12:55

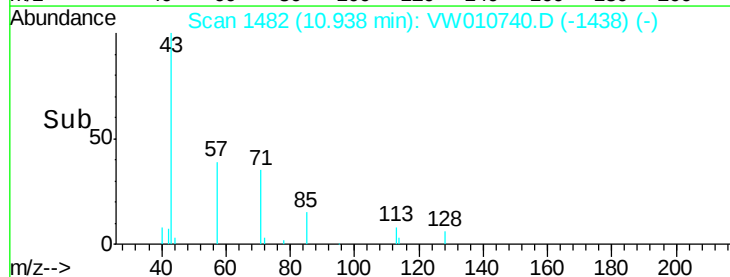
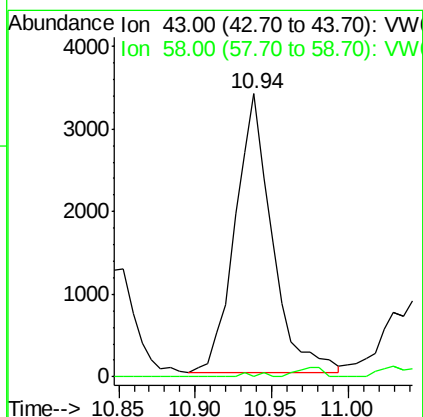
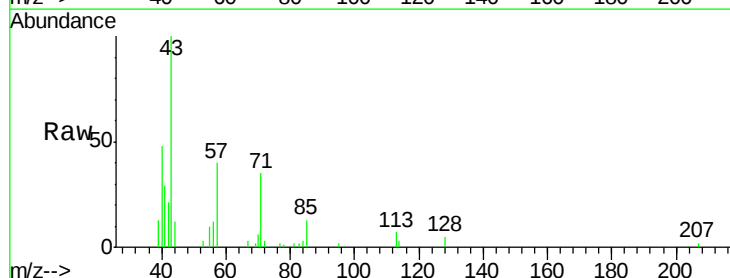
Instrument :
 MSVOA_W
 ClientSampleId :
 B-01-1.5-2.0

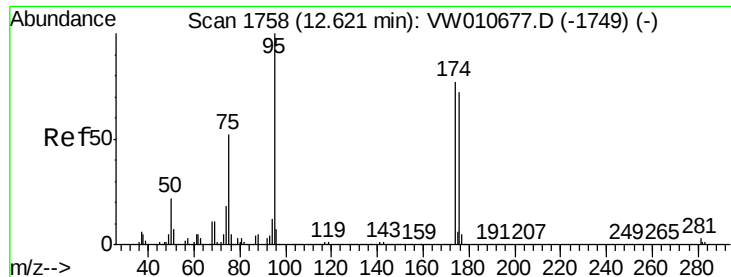
Tgt Ion: 97 Resp: 2645
 Ion Ratio Lower Upper
 97 100
 83 16.5 71.1 106.7#
 85 16.7 45.2 67.8#
 99 0.0 50.0 75.0#



#59
 2-Hexanone
 Concen: 3.813 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW010740.D
 Acq: 10 Jun 2019 12:55

Tgt Ion: 43 Resp: 5639
 Ion Ratio Lower Upper
 43 100
 58 0.7 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 51.801 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

B-01-1.5-2.0

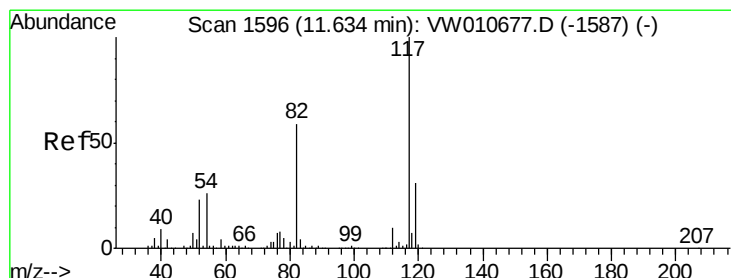
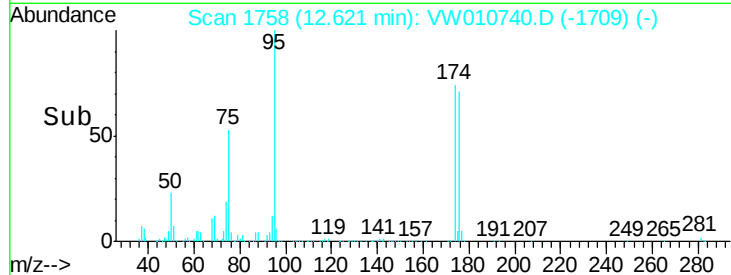
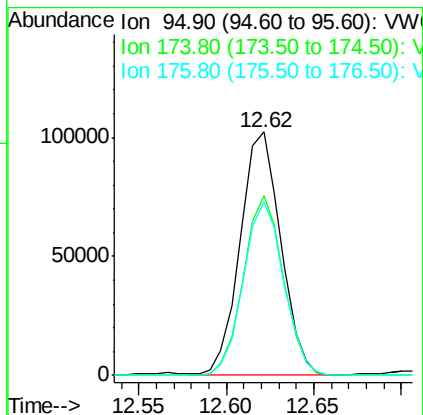
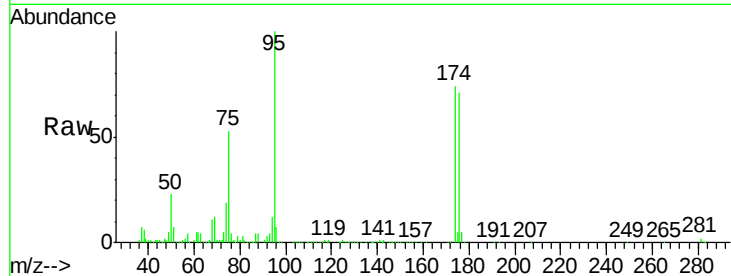
Tgt Ion: 95 Resp: 163990

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 71.3 0.0 144.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

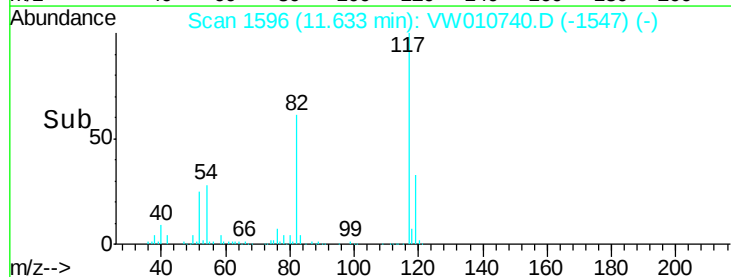
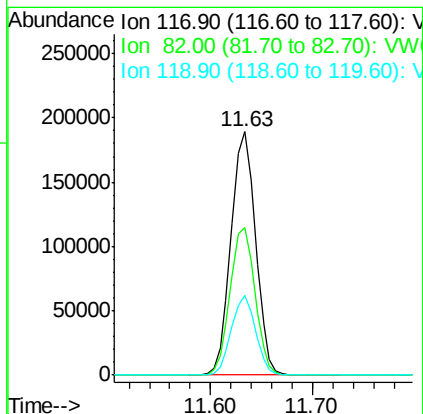
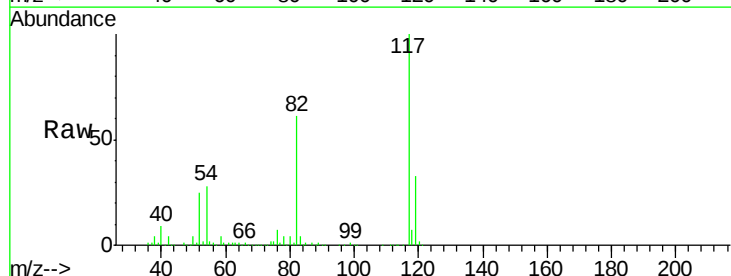
Tgt Ion: 117 Resp: 314564

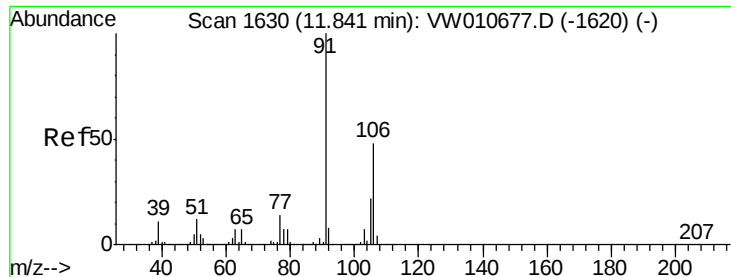
Ion Ratio Lower Upper

117 100

82 60.8 47.0 70.4

119 32.5 25.1 37.7

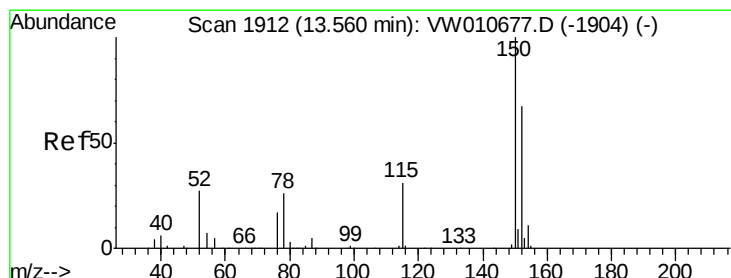
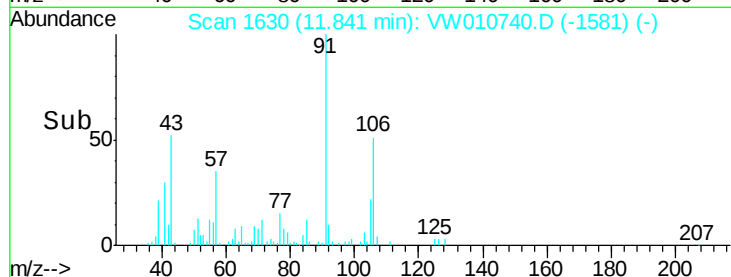
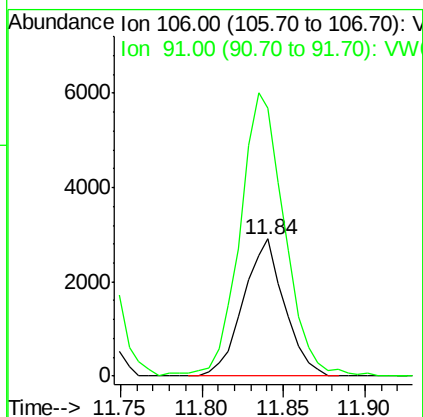
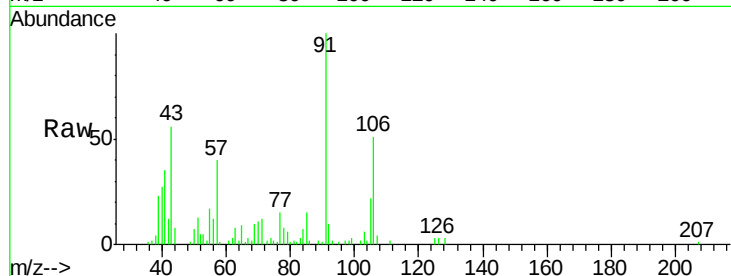




#68
m/p-Xylenes
Concen: 1.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

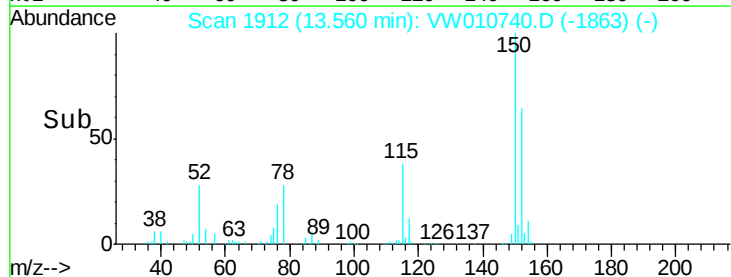
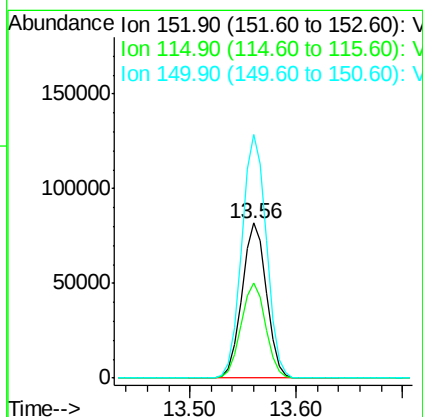
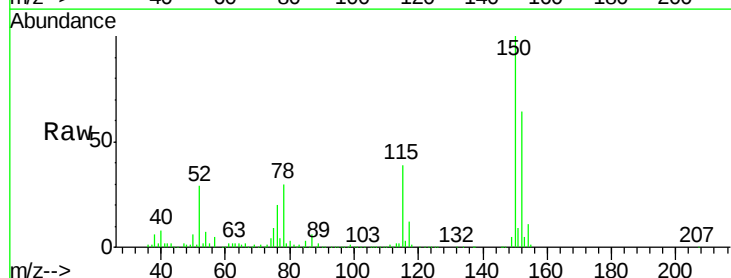
Instrument :
MSVOA_W
ClientSampleId :
B-01-1.5-2.0

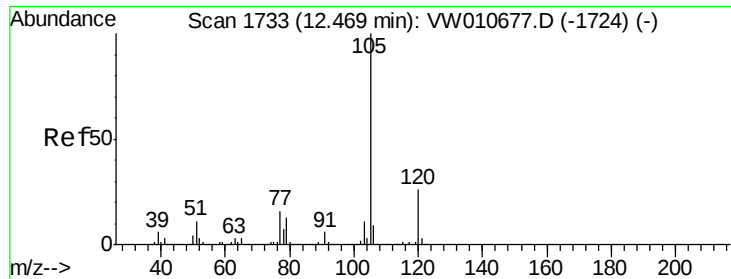
Tgt Ion:106 Resp: 5100
Ion Ratio Lower Upper
106 100
91 222.8 166.5 249.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Tgt Ion:152 Resp: 132417
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 157.5 0.0 345.0





#73

Isopropylbenzene

Concen: 7.547 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

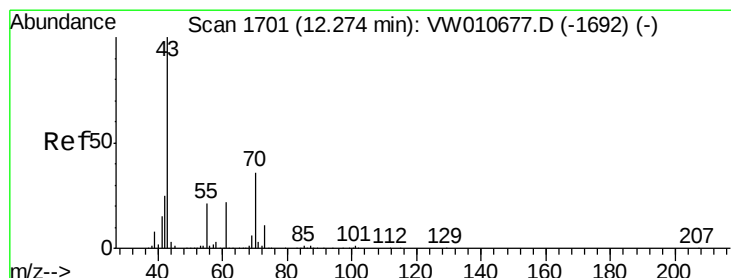
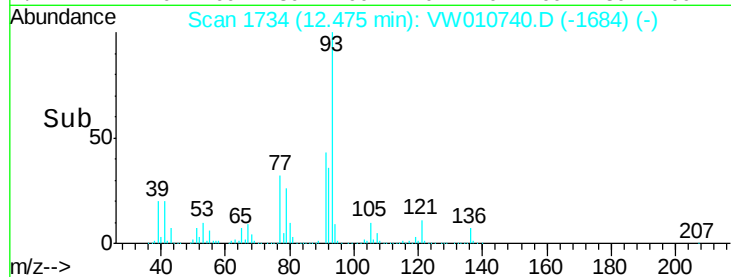
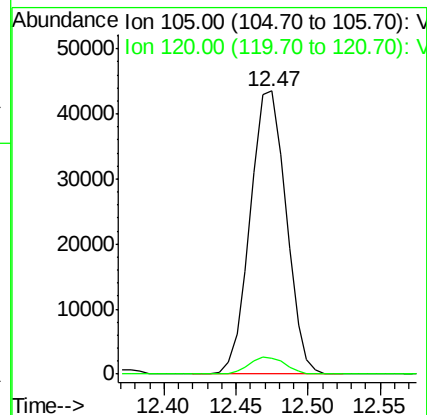
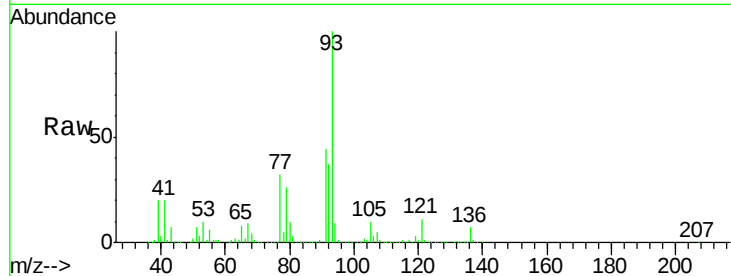
B-01-1.5-2.0

Tgt Ion:105 Resp: 75097

Ion Ratio Lower Upper

105 100

120 6.0 13.1 39.1#



#74

N-ethyl acetate

Concen: 1.299 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Tgt Ion: 43 Resp: 4177

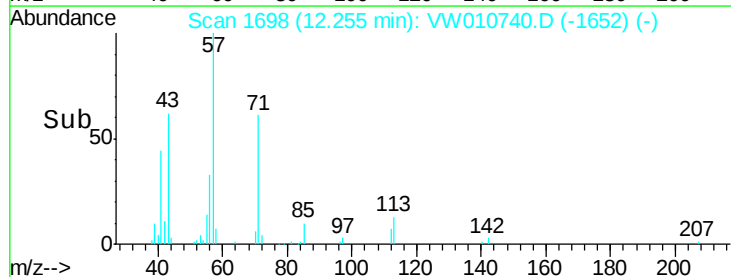
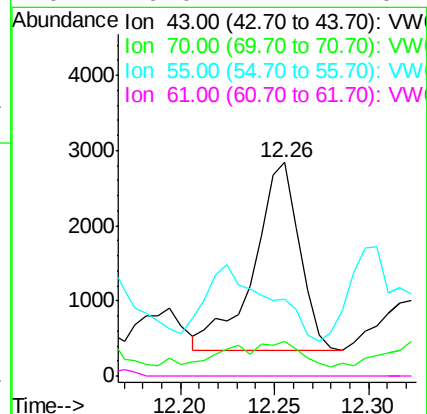
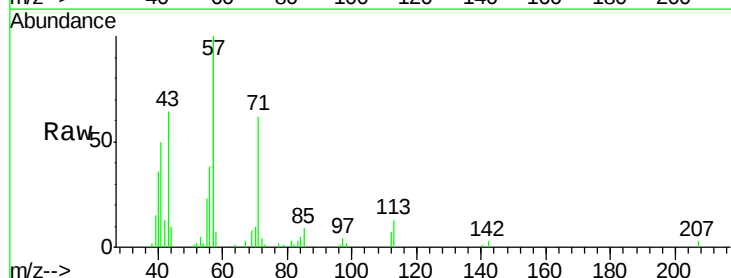
Ion Ratio Lower Upper

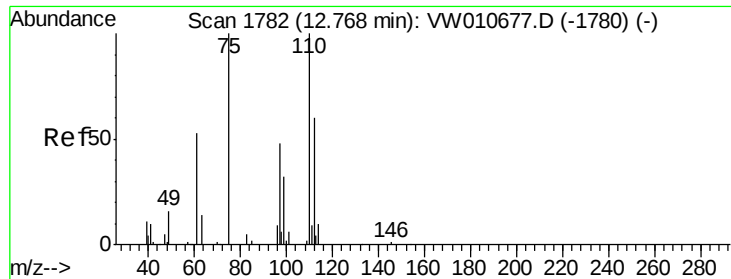
43 100

70 12.2 29.2 43.8#

55 0.0 17.5 26.3#

61 0.0 17.4 26.2#





#76

1,2,3-Trichloropropane

Concen: 63.878 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

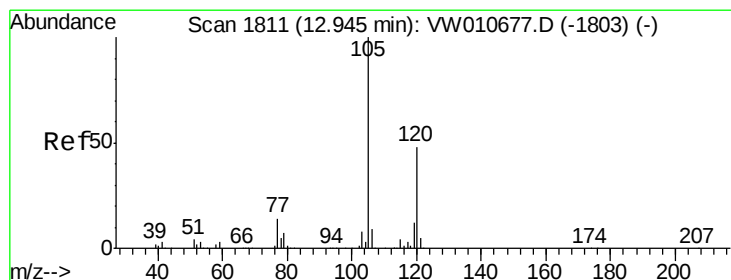
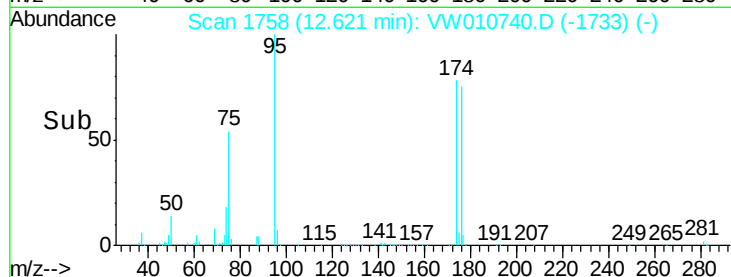
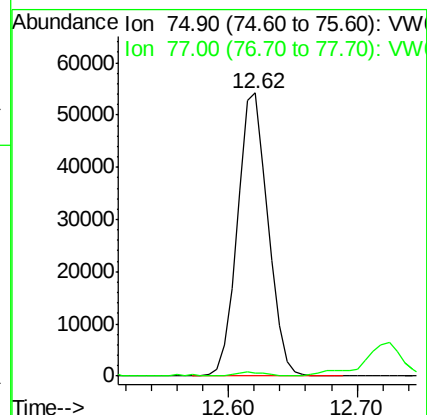
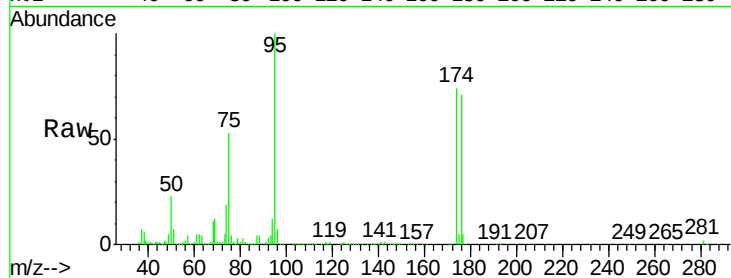
B-01-1.5-2.0

Tgt Ion: 75 Resp: 88826

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#80

1,3,5-Trimethylbenzene

Concen: 2.156 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010740.D

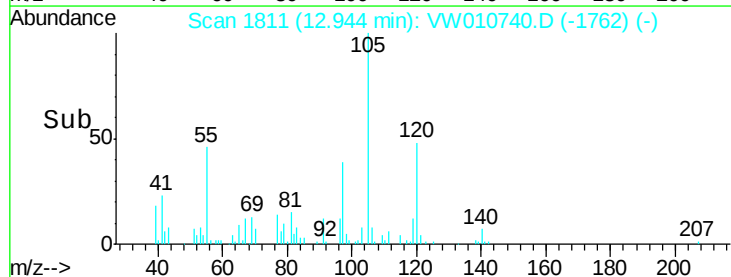
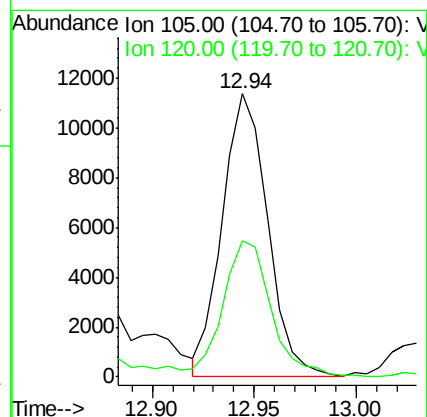
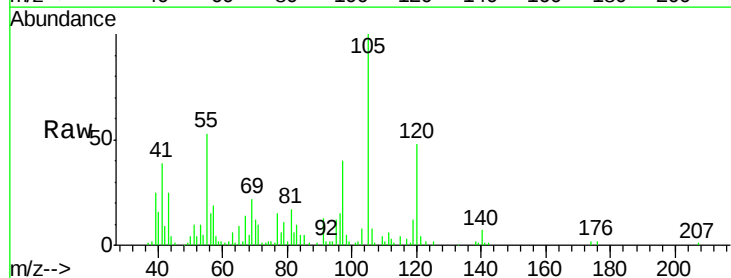
Acq: 10 Jun 2019 12:55

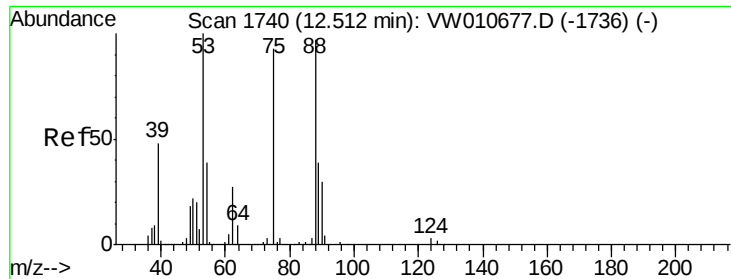
Tgt Ion: 105 Resp: 17560

Ion Ratio Lower Upper

105 100

120 51.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.550 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.04 min

Lab File: VW010740.D

Acq: 10 Jun 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

B-01-1.5-2.0

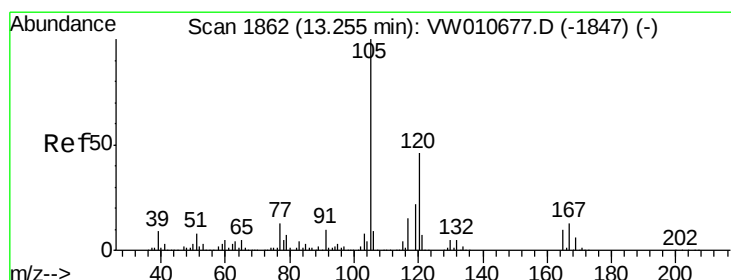
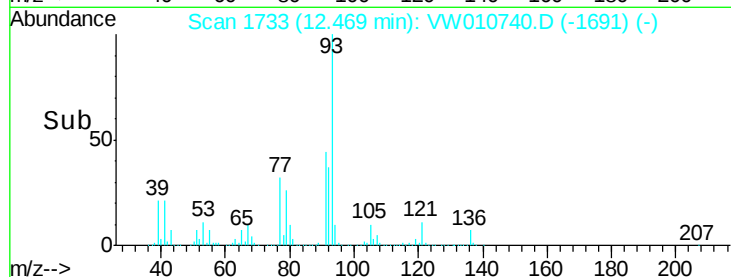
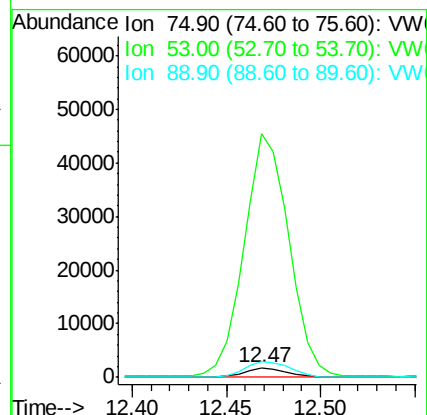
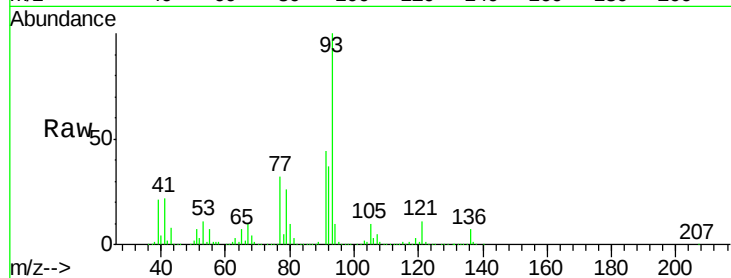
Tgt Ion: 75 Resp: 2753

Ion Ratio Lower Upper

75 100

53 2702.3 90.1 135.1#

89 178.2 34.6 52.0#



#84

1,2,4-Trimethylbenzene

Concen: 5.228 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010740.D

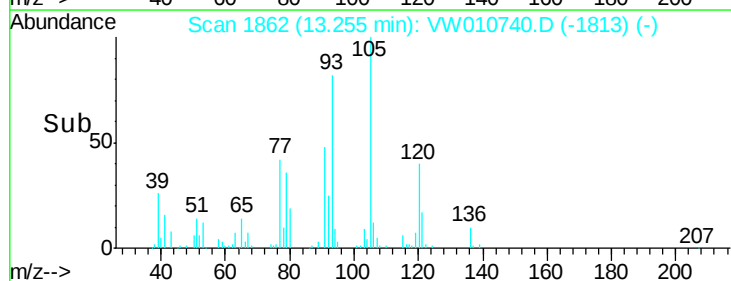
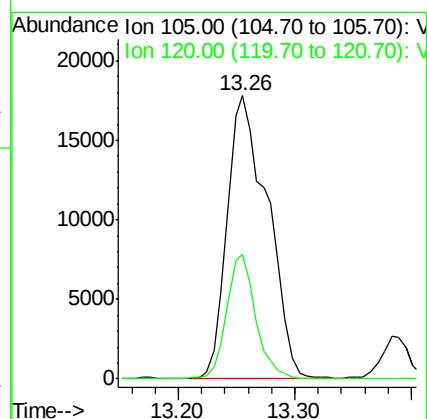
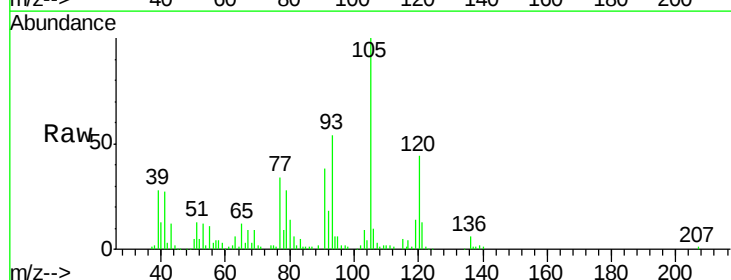
Acq: 10 Jun 2019 12:55

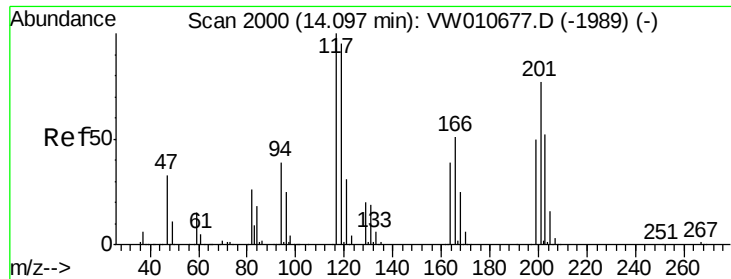
Tgt Ion:105 Resp: 42851

Ion Ratio Lower Upper

105 100

120 31.5 22.5 67.5

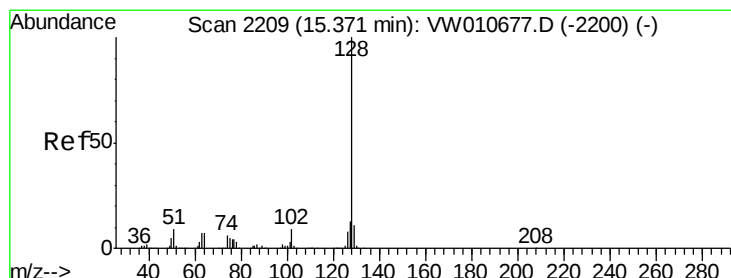
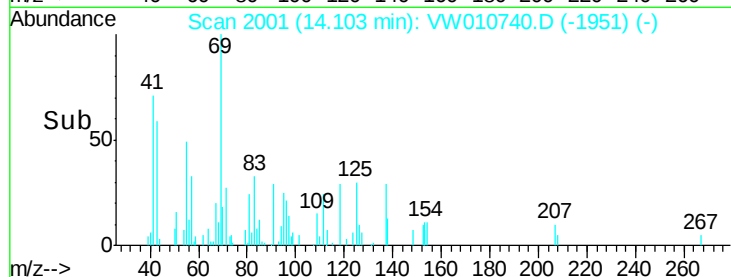
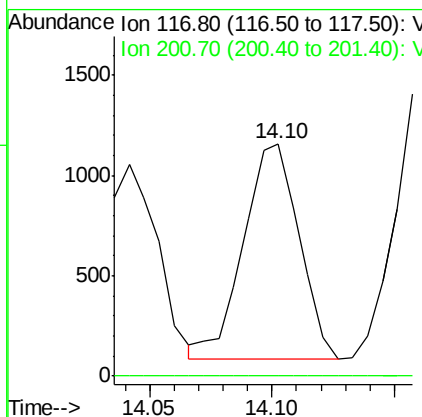
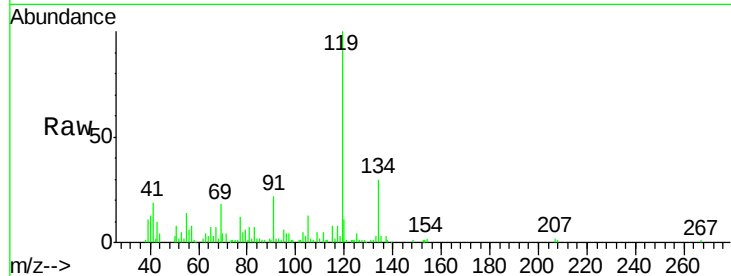




#90
Hexachloroethane
Concen: 1.051 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
B-01-1.5-2.0

Tgt Ion:117 Resp: 1694
Ion Ratio Lower Upper
117 100
201 0.0 38.8 116.4#



#95
Naphthalene
Concen: 15.903 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010740.D
Acq: 10 Jun 2019 12:55

Tgt Ion:128 Resp: 76378
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.6 13.0

