

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010045.D
 Acq On : 18 Apr 2019 15:12
 Operator : SY/VA
 Sample : K2411-10
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-D2

Quant Time: Apr 18 15:43:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

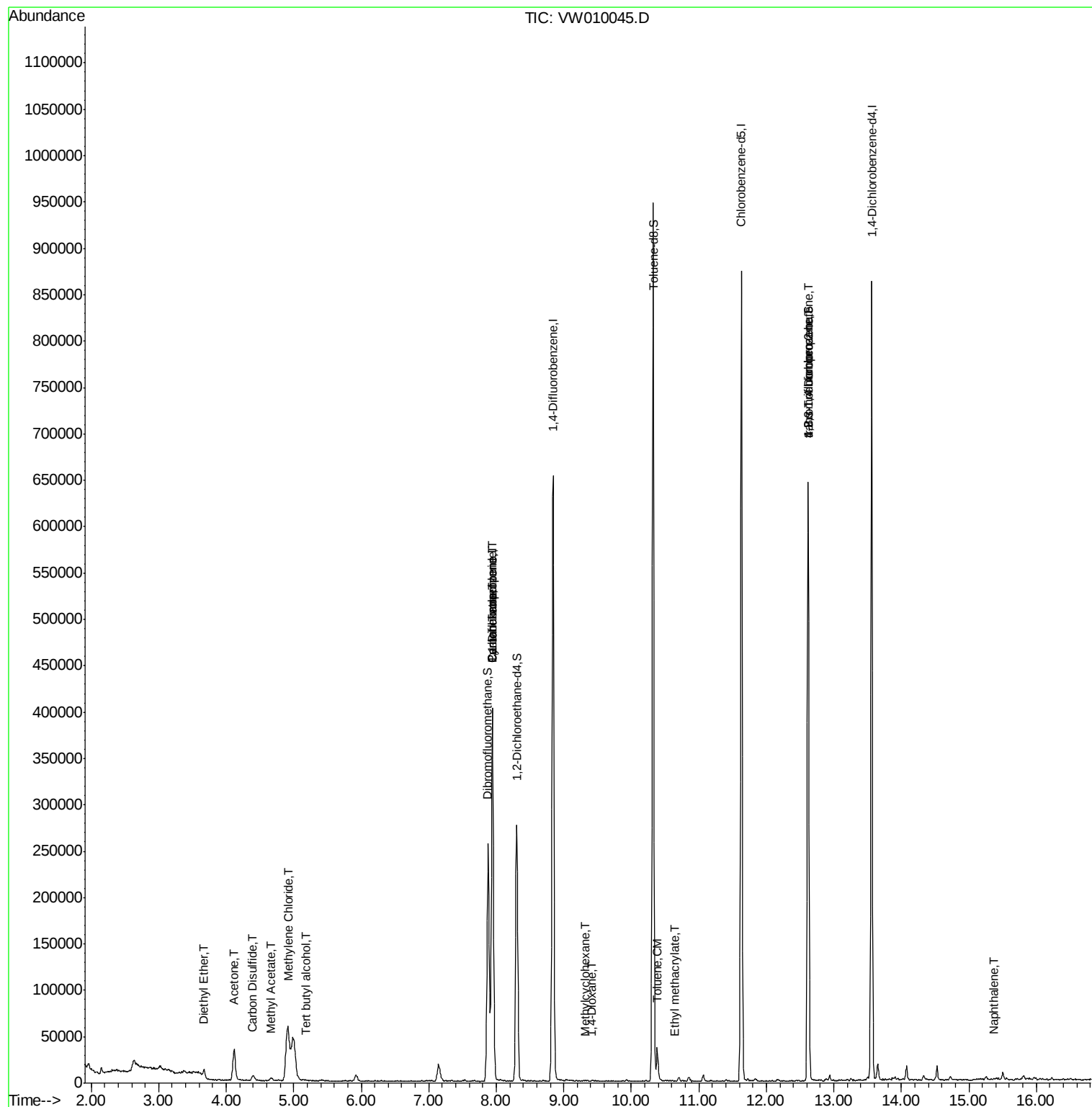
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	511547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	454690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	219370	63.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.72%	
35) Dibromofluoromethane	7.88	113	173781	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.86%	
50) Toluene-d8	10.32	98	580175	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.62	95	194812	43.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	4267	3.007	ug/l	81
11) Tert butyl alcohol	5.18	59	384	1.962	ug/l #	32
16) Acetone	4.12	43	59080	74.120	ug/l	97
17) Carbon Disulfide	4.38	76	76	1.348	ug/l #	74
18) Methyl Acetate	4.67	43	5053	2.739	ug/l	96
20) Methylene Chloride	4.91	84	55687	14.950	ug/l	98
31) Cyclohexane	7.94	56	8334	1.500	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	25092	4.802	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30231	5.928	ug/l #	16
39) Methylcyclohexane	9.33	83	225	1.232	ug/l #	41
49) 1,4-Dioxane	9.43	88	46	1.547	ug/l #	1
52) Toluene	10.39	92	14553	1.635	ug/l	98
56) Ethyl methacrylate	10.65	69	198	2.691	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	109170	55.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	109170	130.200	ug/l #	6
95) Naphthalene	15.38	128	1602	2.842	ug/l #	80

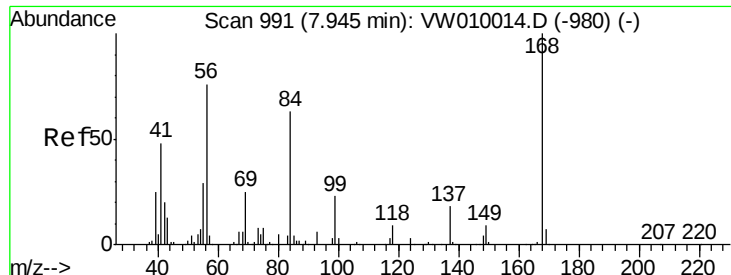
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

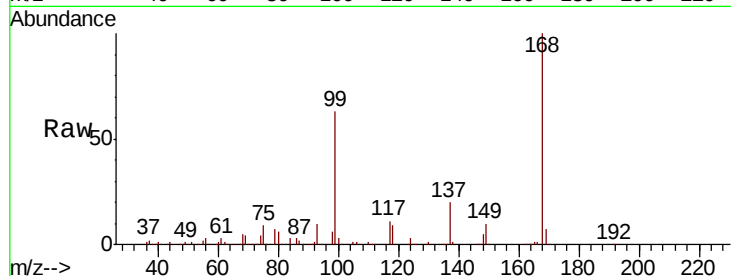
TP-14-D2

Tgt Ion:168 Resp: 278382

Ion Ratio Lower Upper

168 100

99 63.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

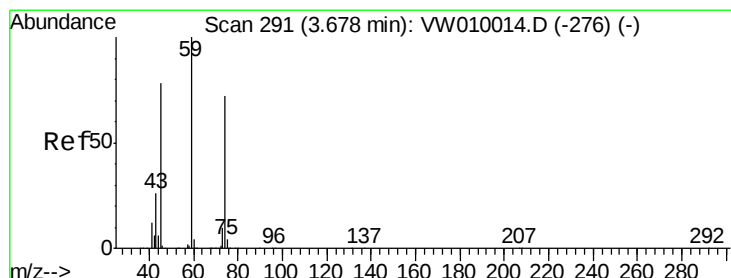
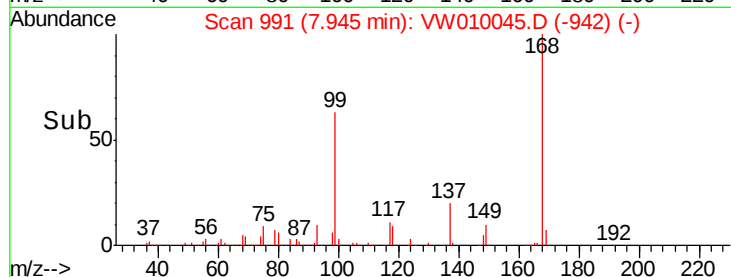
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 3.007 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW010045.D

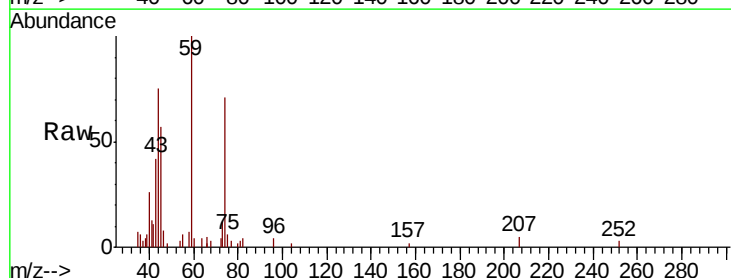
Acq: 18 Apr 2019 15:12

Tgt Ion: 74 Resp: 4267

Ion Ratio Lower Upper

74 100

45 132.3 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2500

2000

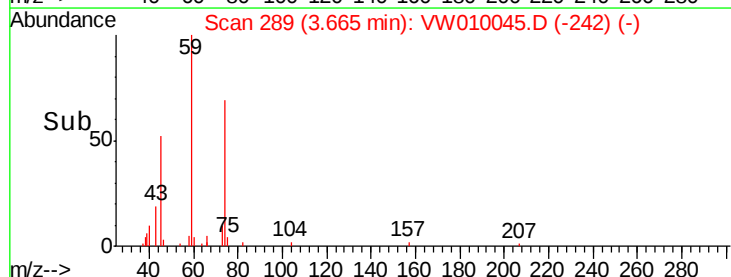
1500

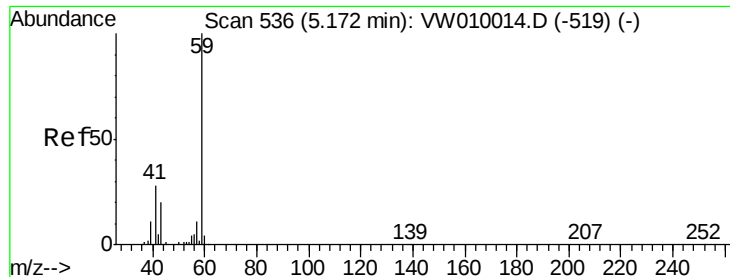
1000

500

0

Time--> 3.60 3.65 3.70 3.75



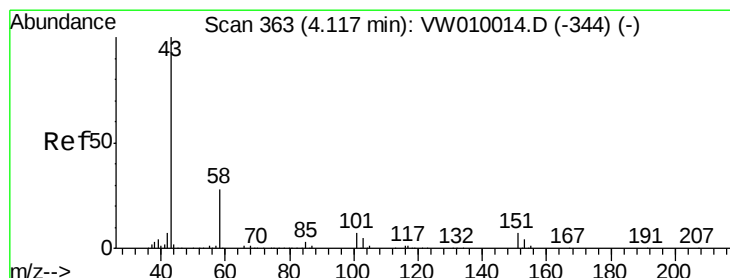
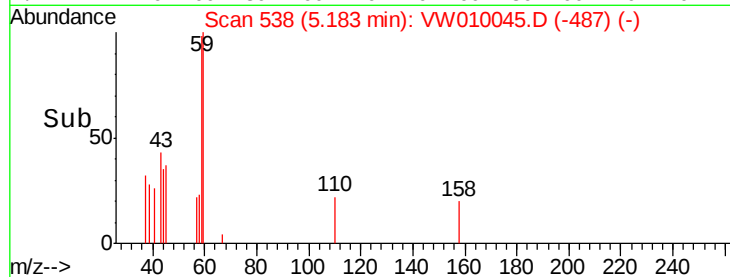
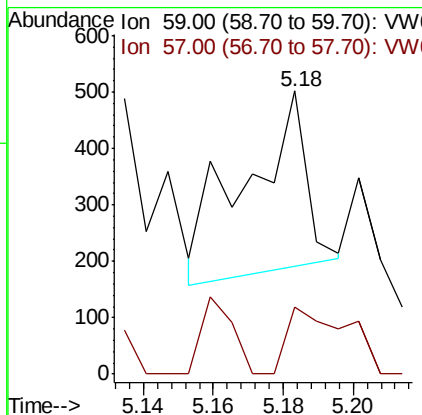
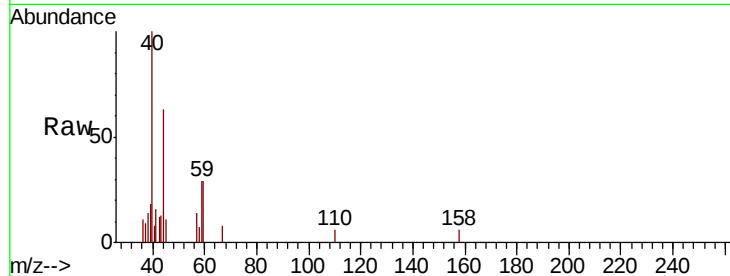


#11

Tert butyl alcohol
 Concen: 1.962 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010045.D
 Acq: 18 Apr 2019 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 TP-14-D2

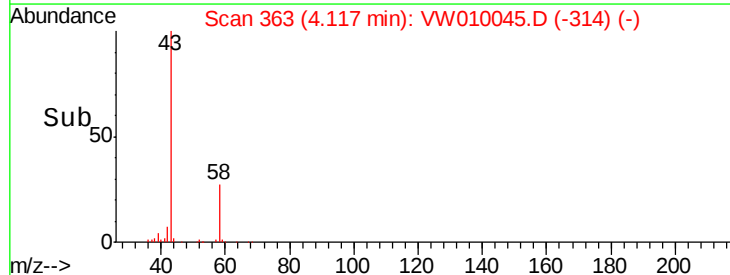
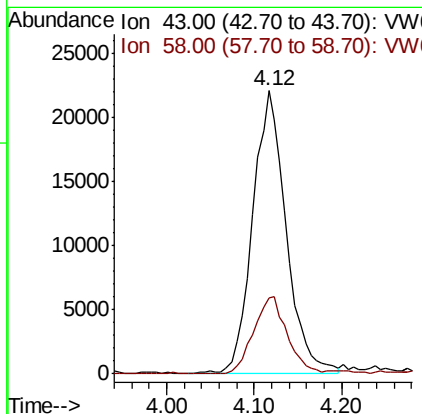
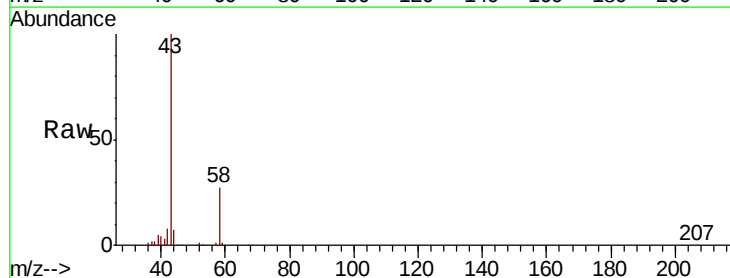
Tgt Ion: 59 Resp: 384
 Ion Ratio Lower Upper
 59 100
 57 37.0 9.0 13.4#

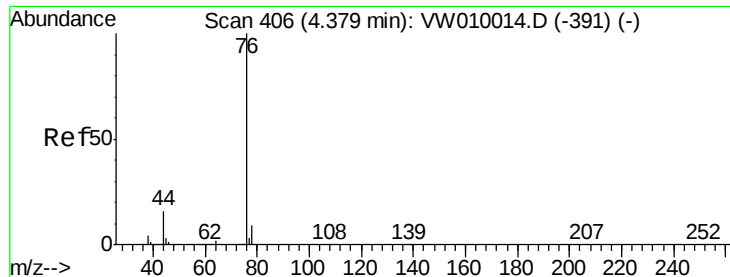


#16

Acetone
 Concen: 74.120 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010045.D
 Acq: 18 Apr 2019 15:12

Tgt Ion: 43 Resp: 59080
 Ion Ratio Lower Upper
 43 100
 58 26.9 22.7 34.1





#17

Carbon Disulfide

Concen: 1.348 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

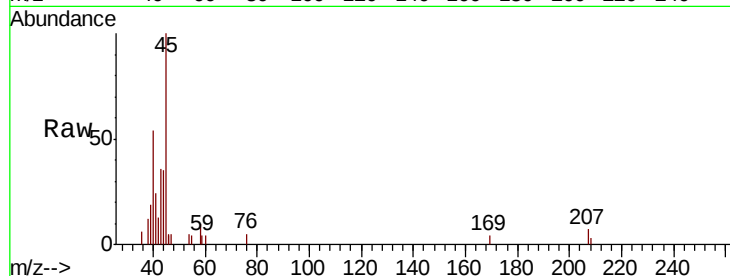
TP-14-D2

Tgt Ion: 76 Resp: 76

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

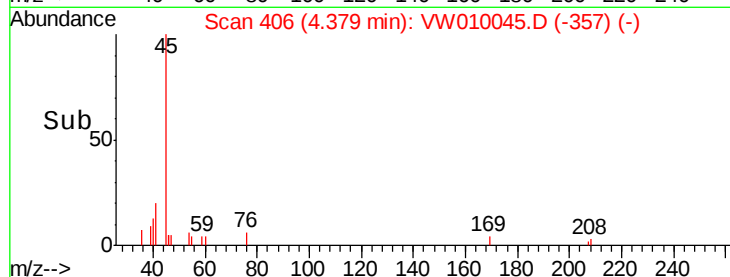


Abundance Ion 75.90 (75.60 to 76.60): VW

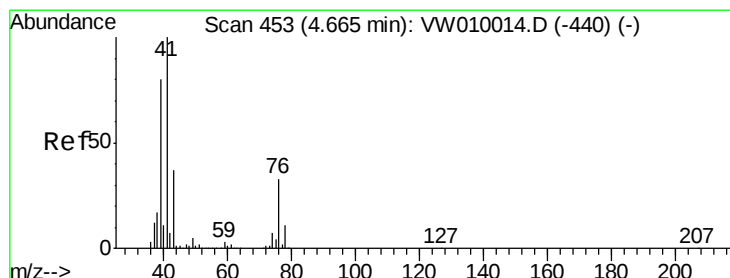
Ion 77.90 (77.60 to 78.60): VW

4.38

Time-->



Time-->



#18

Methyl Acetate

Concen: 2.739 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010045.D

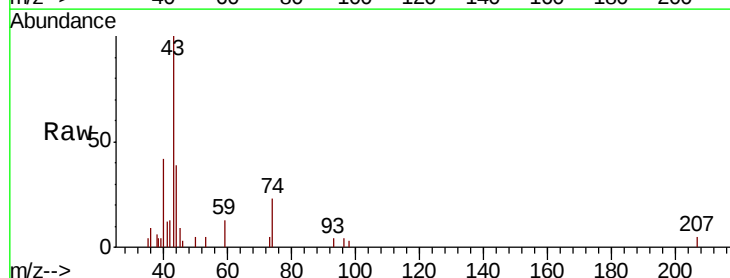
Acq: 18 Apr 2019 15:12

Tgt Ion: 43 Resp: 5053

Ion Ratio Lower Upper

43 100

74 22.7 16.8 25.2

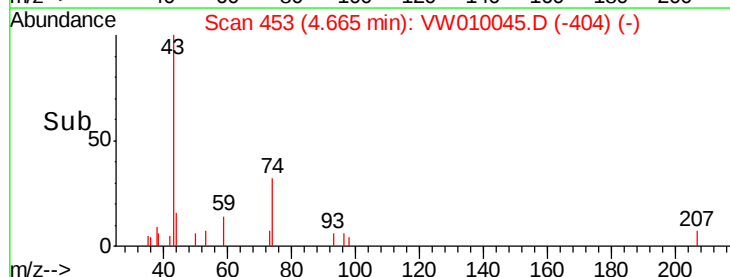


Abundance Ion 43.00 (42.70 to 43.70): VW

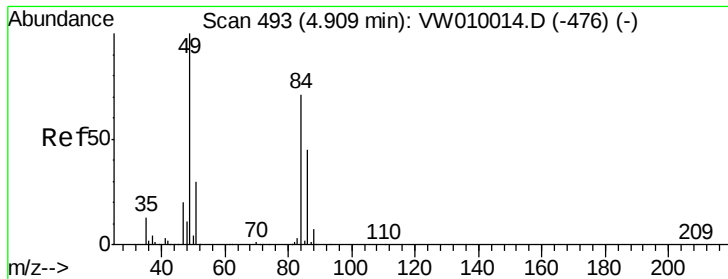
Ion 74.00 (73.70 to 74.70): VW

4.67

Time-->



Time-->



#20

Methylene Chloride

Concen: 14.950 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

TP-14-D2

Tgt Ion: 84 Resp: 55687

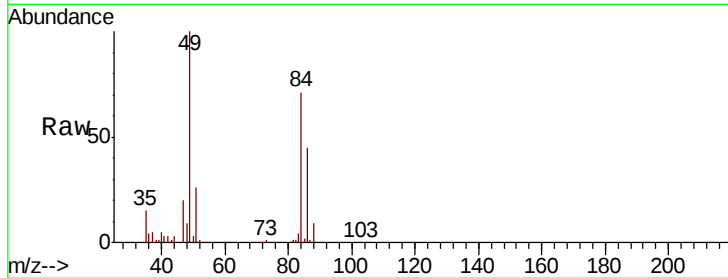
Ion Ratio Lower Upper

84 100

49 140.8 112.3 168.5

51 37.3 33.9 50.9

86 63.0 50.2 75.4

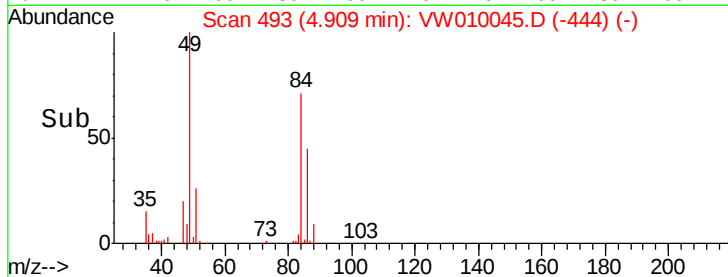
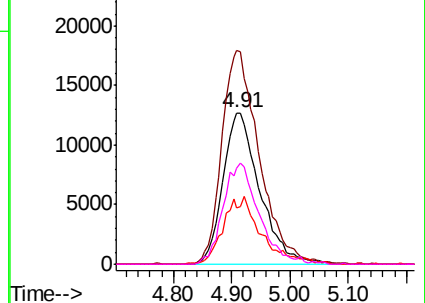


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.500 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

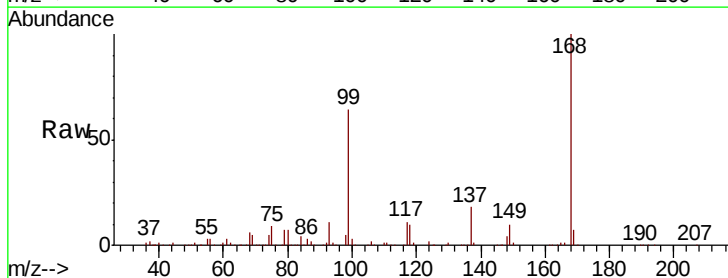
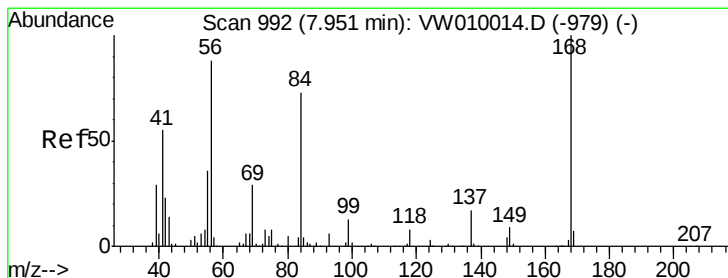
Tgt Ion: 56 Resp: 8334

Ion Ratio Lower Upper

56 100

69 158.6 26.6 40.0#

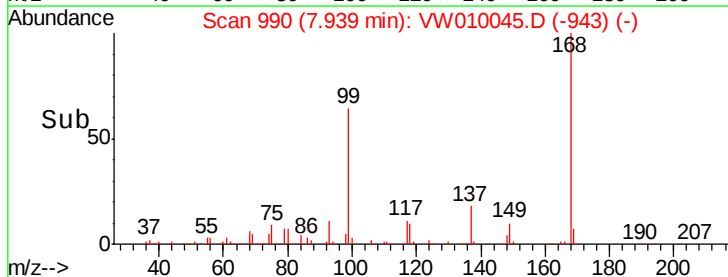
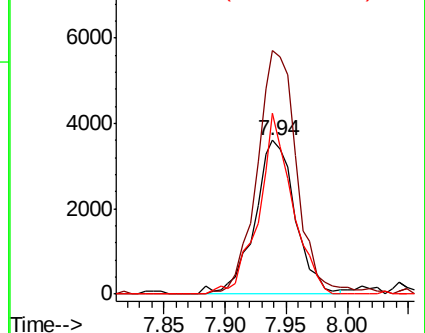
84 117.8 66.2 99.2#

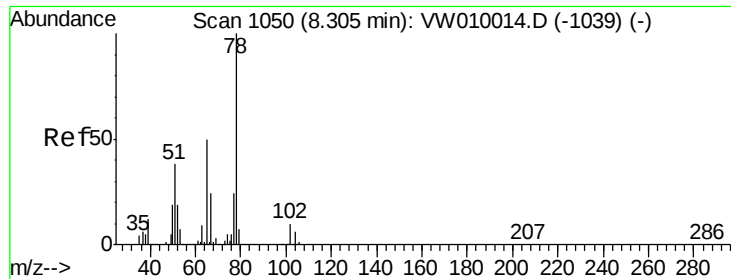


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

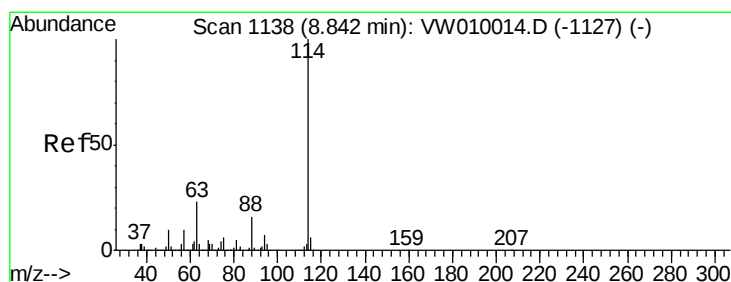
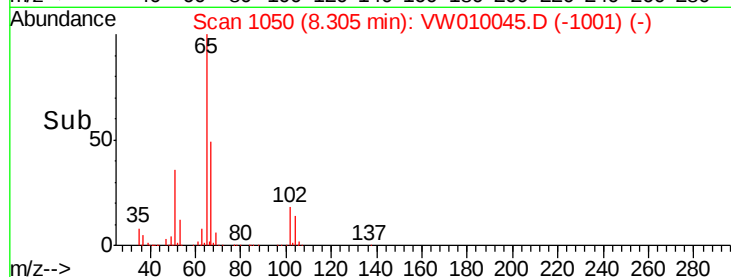
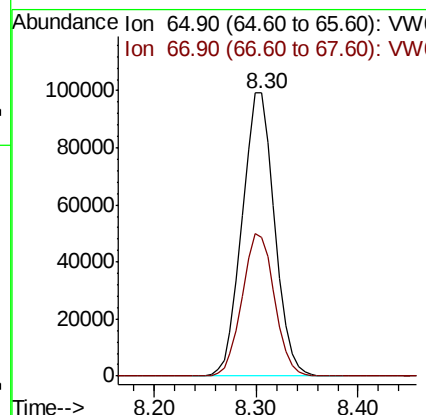
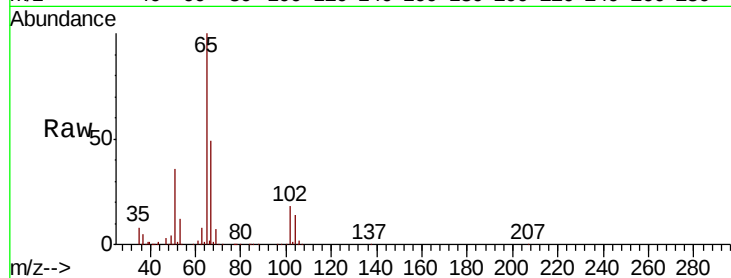




#33
 1,2-Dichloroethane-d4
 Concen: 63.856 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010045.D
 Acq: 18 Apr 2019 15:12

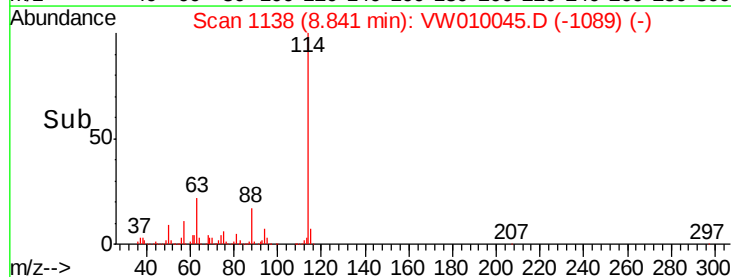
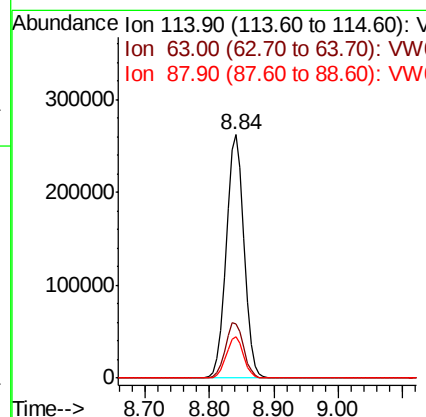
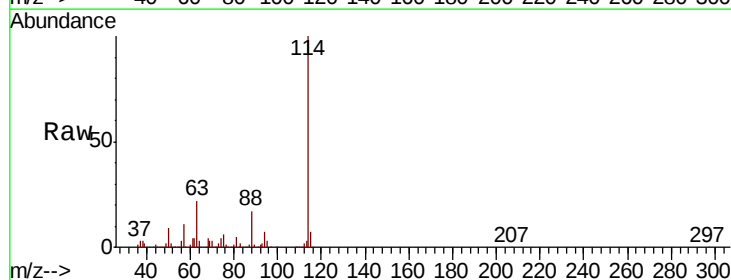
Instrument :
 MSVOA_W
 ClientSampled :
 TP-14-D2

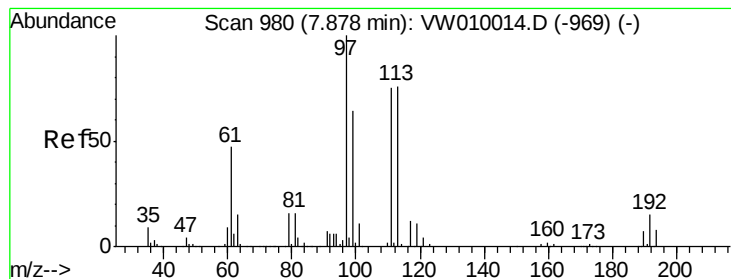
Tgt Ion: 65 Resp: 219370
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010045.D
 Acq: 18 Apr 2019 15:12

Tgt Ion: 114 Resp: 511547
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.434 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

TP-14-D2

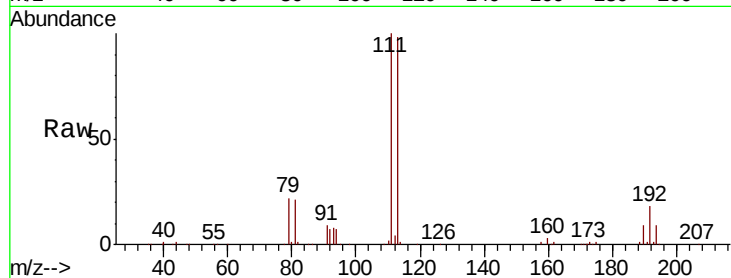
Tgt Ion:113 Resp: 173781

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

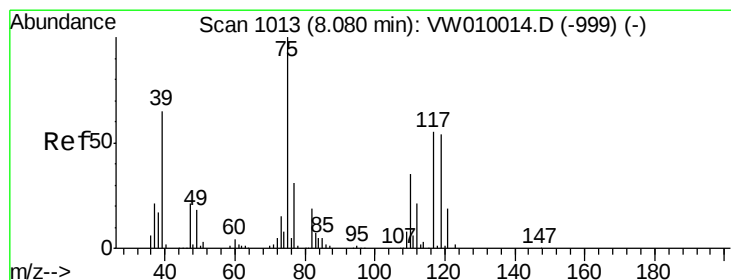
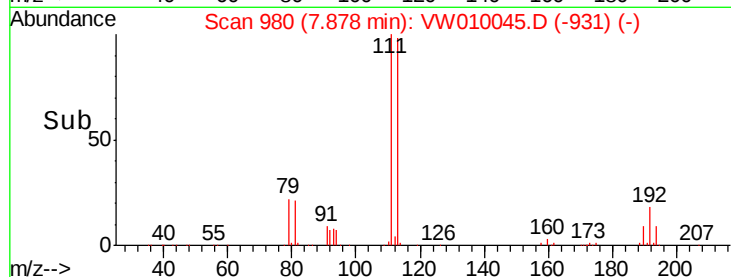
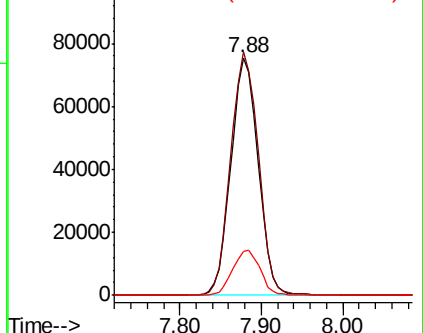
192 19.0 15.4 23.2



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: 4.802 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

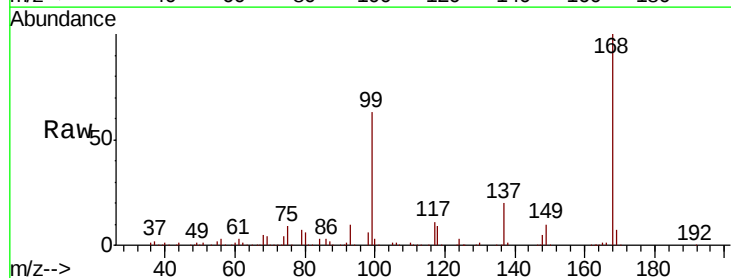
Tgt Ion: 75 Resp: 25092

Ion Ratio Lower Upper

75 100

110 8.8 16.6 49.8#

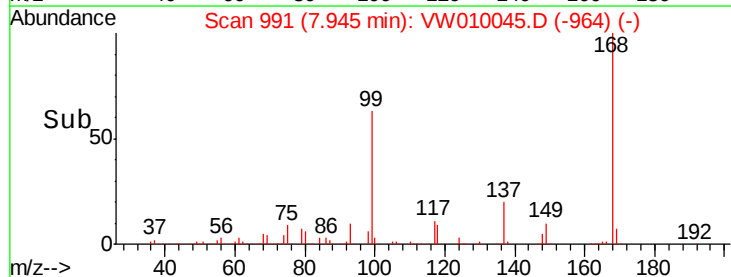
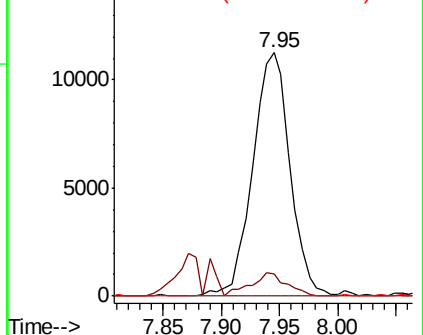
77 0.0 24.8 37.2#

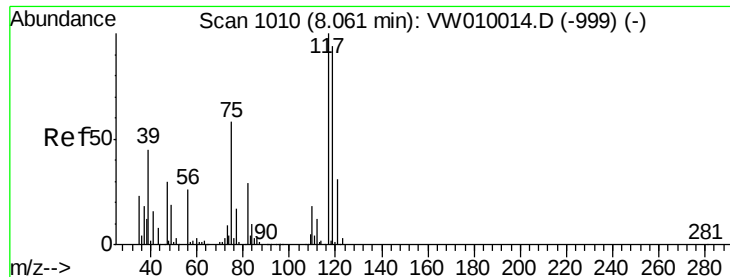


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

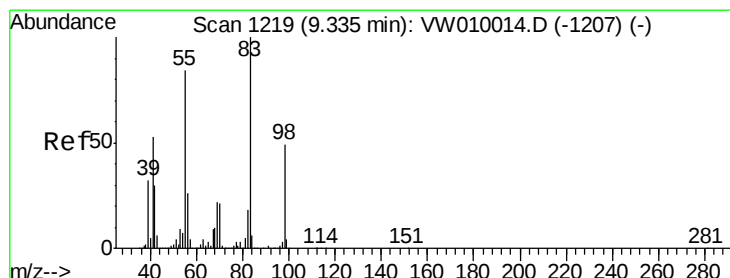
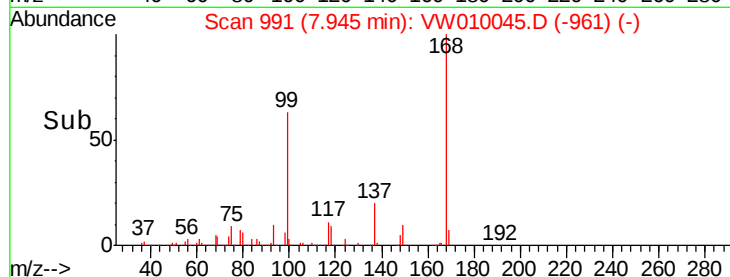
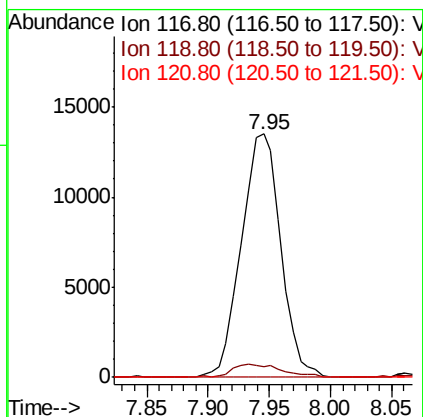
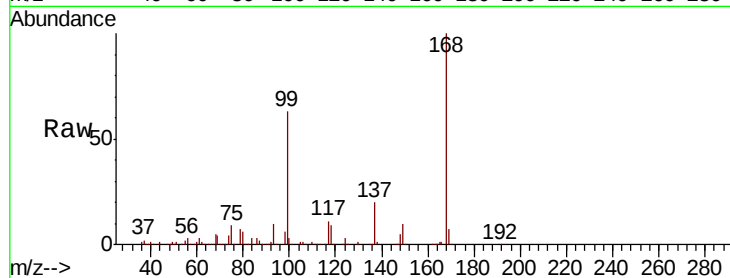




#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

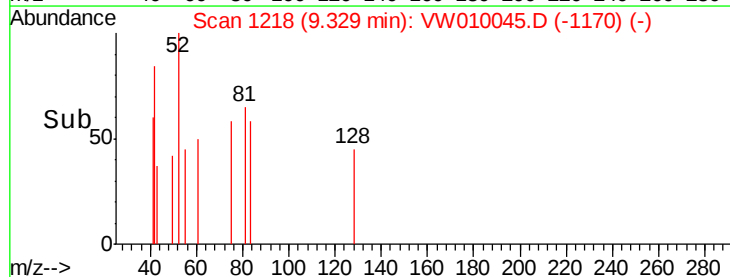
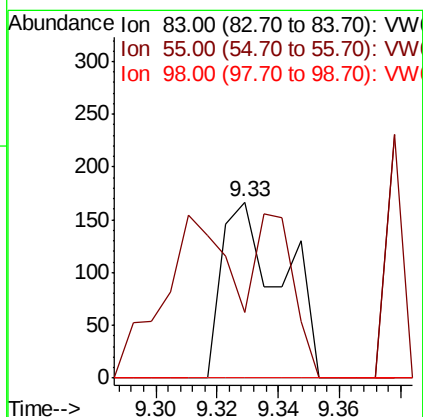
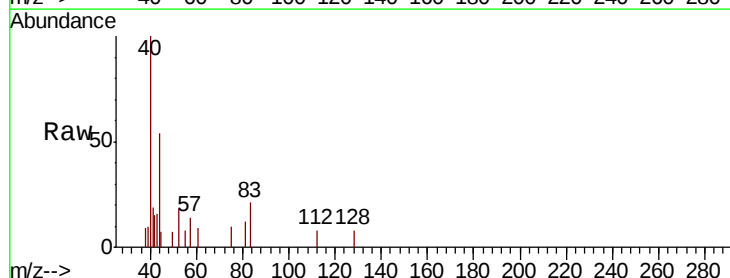
Instrument :
MSVOA_W
ClientSampled :
TP-14-D2

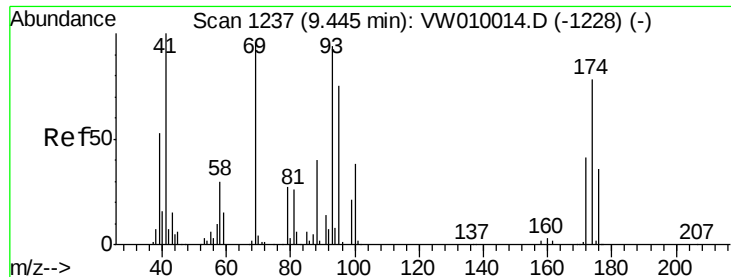
Tgt Ion:117 Resp: 30231
Ion Ratio Lower Upper
117 100
119 4.6 75.3 112.9#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.232 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Tgt Ion: 83 Resp: 225
Ion Ratio Lower Upper
83 100
55 37.1 67.1 100.7#
98 0.0 39.2 58.8#

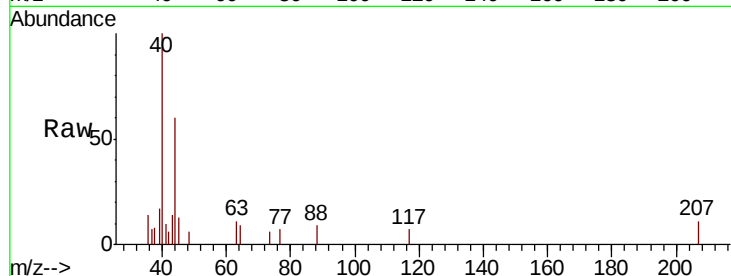




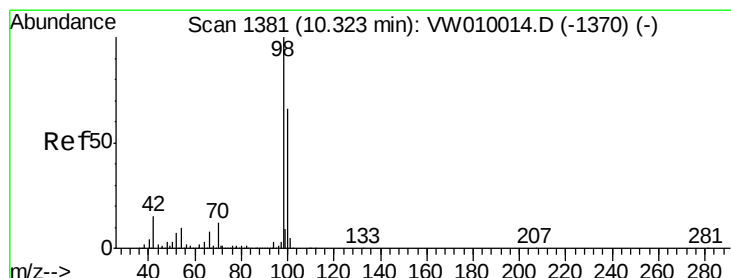
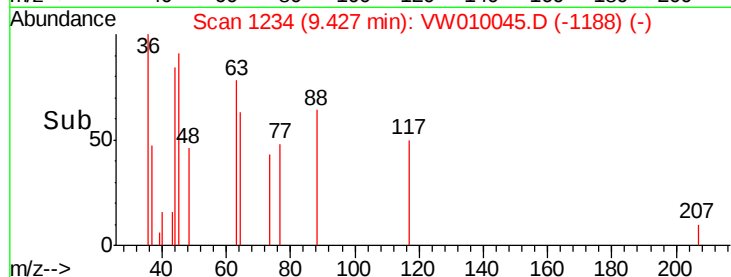
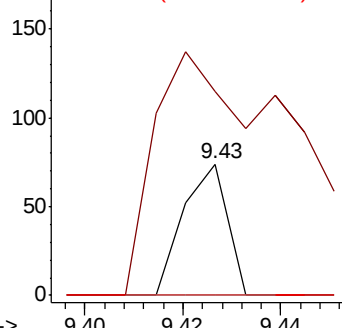
#49
1,4-Dioxane
Concen: 1.547 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Instrument :
MSVOA_W
ClientSampled :
TP-14-D2

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 610.9 31.9 47.9#
58 0.0 61.8 92.6#

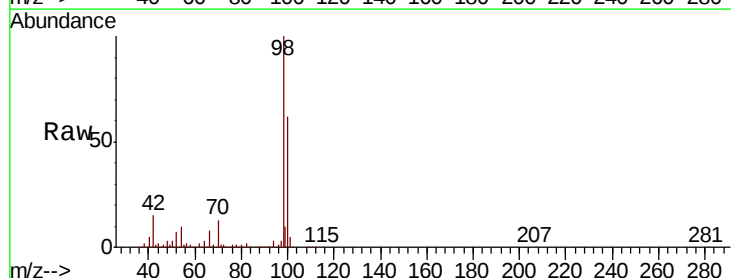


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

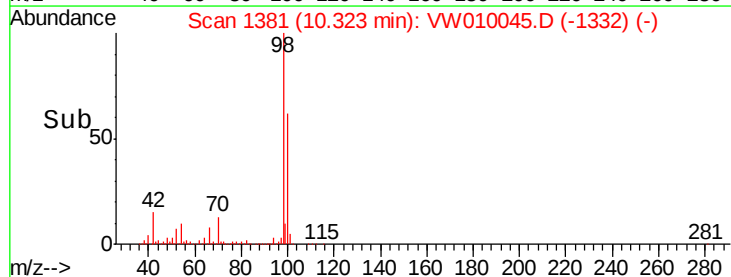
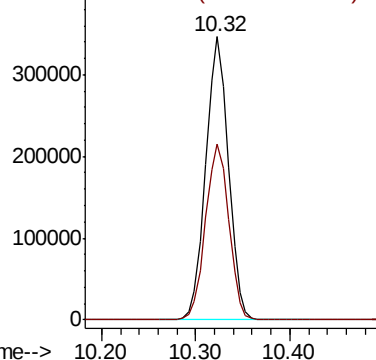


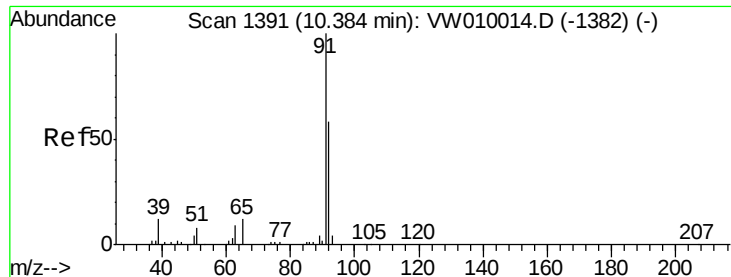
#50
Toluene-d8
Concen: 47.607 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Tgt Ion: 98 Resp: 580175
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



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





#52

Toluene

Concen: 1.635 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

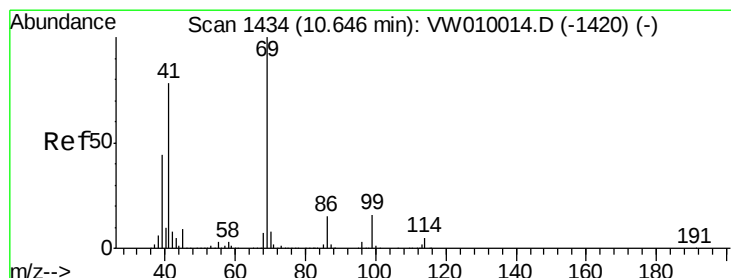
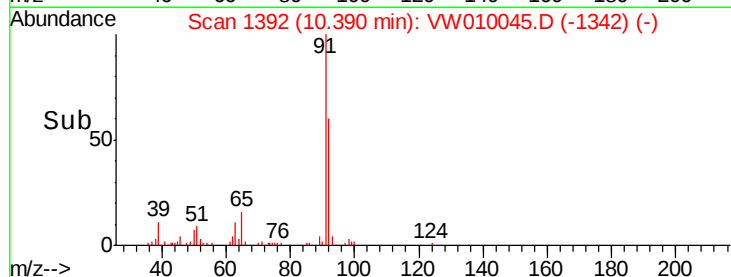
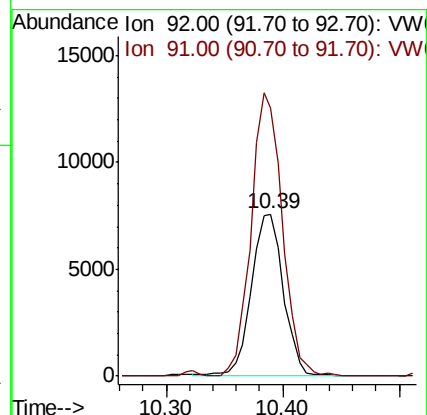
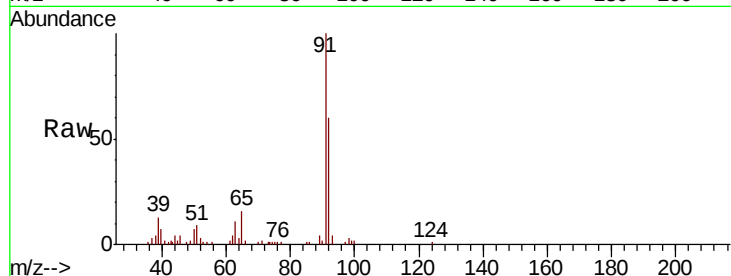
TP-14-D2

Tgt Ion: 92 Resp: 14553

Ion Ratio Lower Upper

92 100

91 170.1 138.5 207.7



#56

Ethyl methacrylate

Concen: 2.691 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

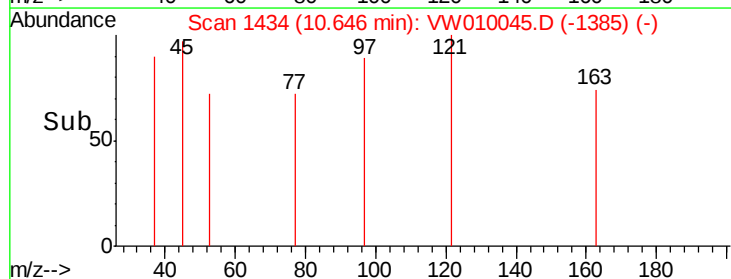
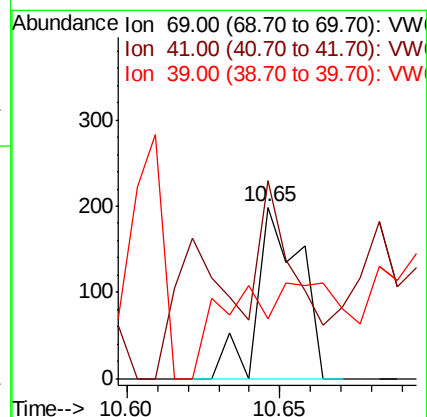
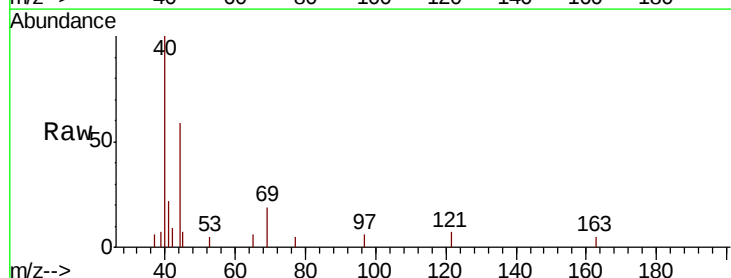
Tgt Ion: 69 Resp: 198

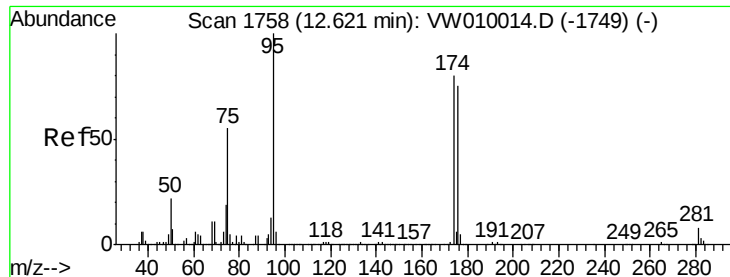
Ion Ratio Lower Upper

69 100

41 56.6 61.0 91.6#

39 151.5 33.8 50.6#

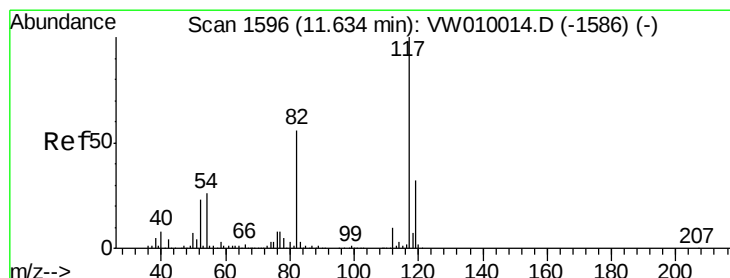
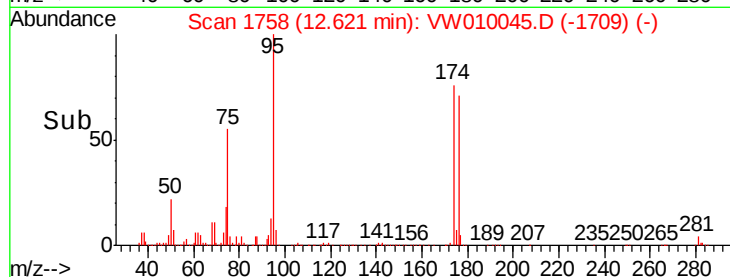
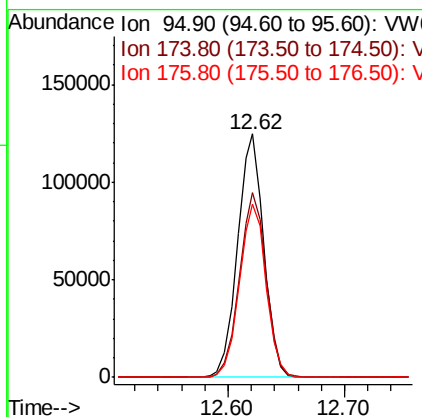
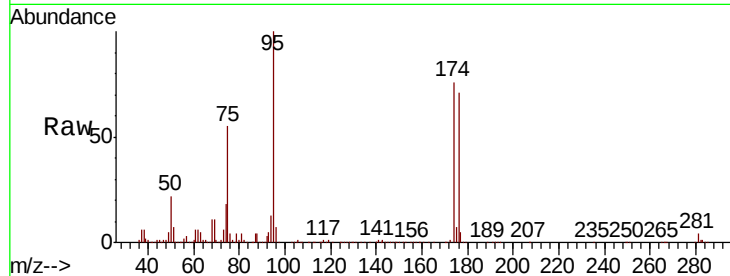




#62
4-Bromofluorobenzene
Concen: 43.977 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

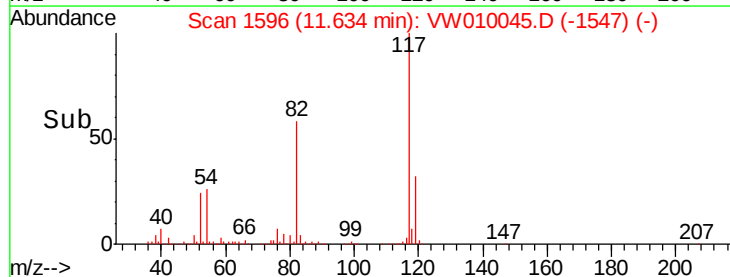
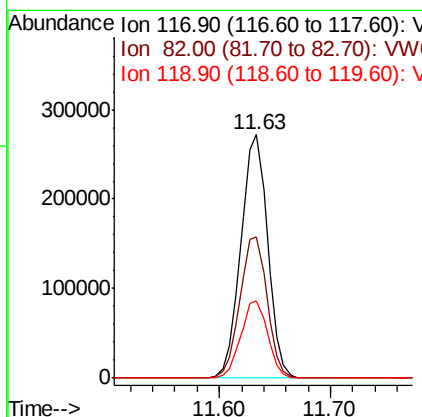
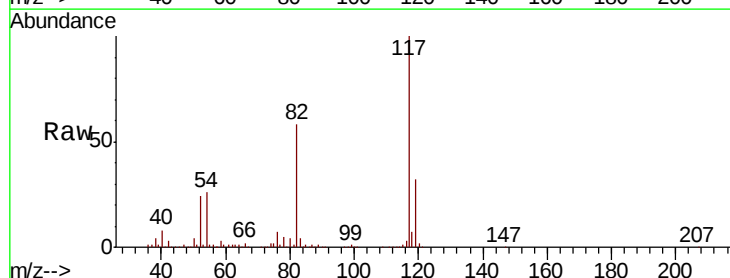
Instrument :
MSVOA_W
ClientSampleId :
TP-14-D2

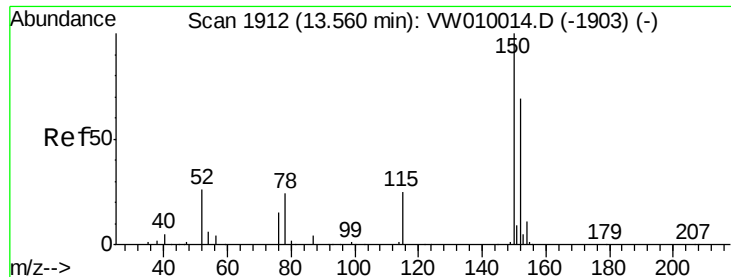
Tgt Ion: 95 Resp: 194812
Ion Ratio Lower Upper
95 100
174 77.3 0.0 151.4
176 72.5 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Tgt Ion: 117 Resp: 454690
Ion Ratio Lower Upper
117 100
82 58.2 45.2 67.8
119 31.8 25.4 38.2



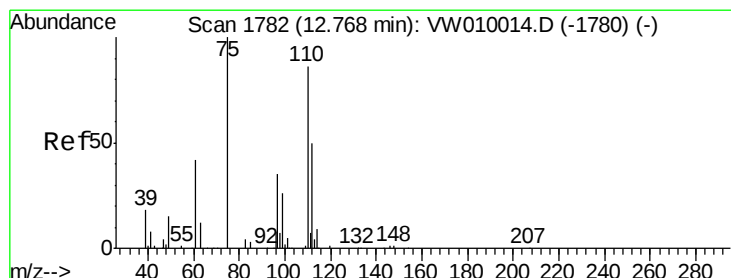
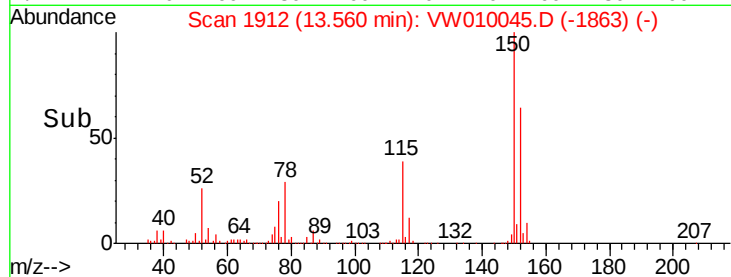
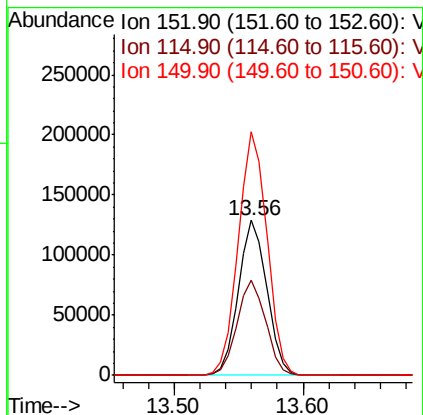
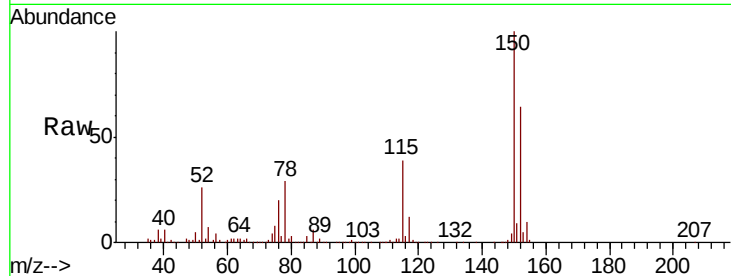


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Instrument :
MSVOA_W
ClientSampled :
TP-14-D2

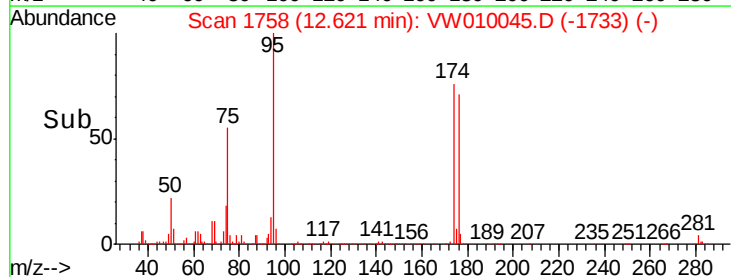
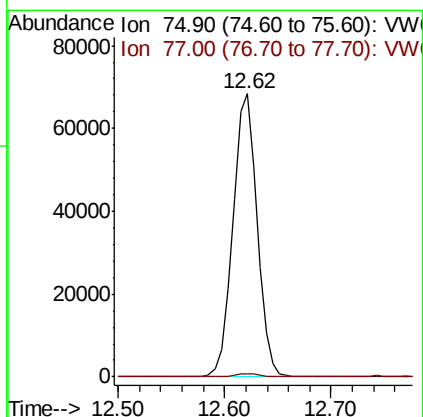
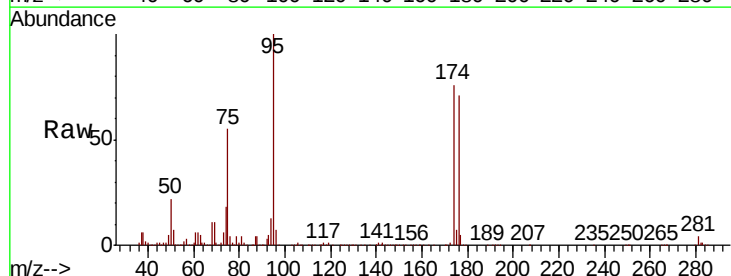
Tgt Ion:152 Resp: 197542
Ion Ratio Lower Upper
152 100
115 61.9 30.4 91.2
150 157.9 0.0 347.0

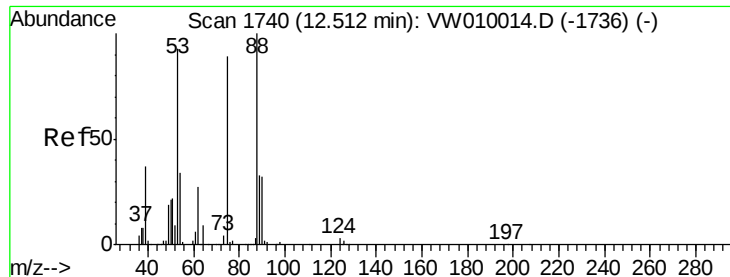


#76

1,2,3-Trichloropropane
Concen: 55.217 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010045.D
Acq: 18 Apr 2019 15:12

Tgt Ion: 75 Resp: 109170
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 130.200 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

TP-14-D2

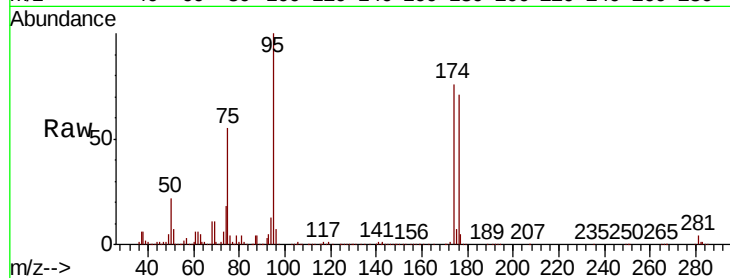
Tgt Ion: 75 Resp: 109170

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.8#

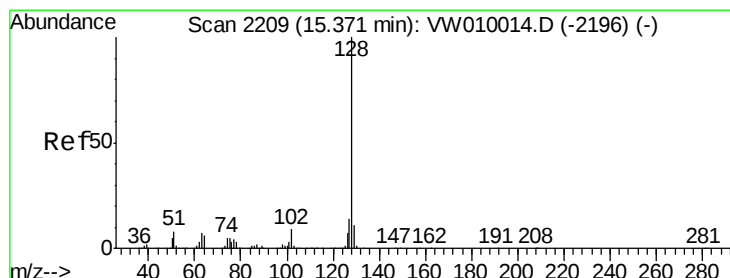
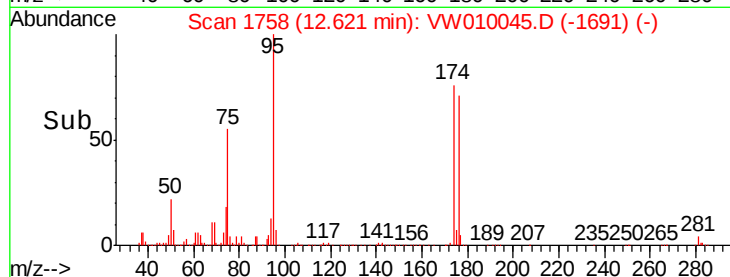
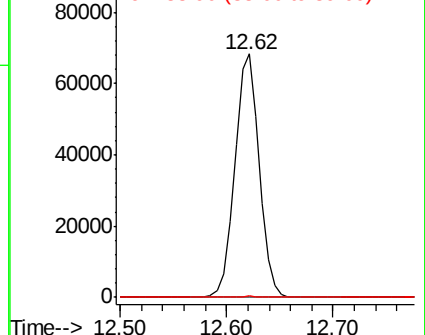
89 0.3 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.842 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010045.D

Acq: 18 Apr 2019 15:12

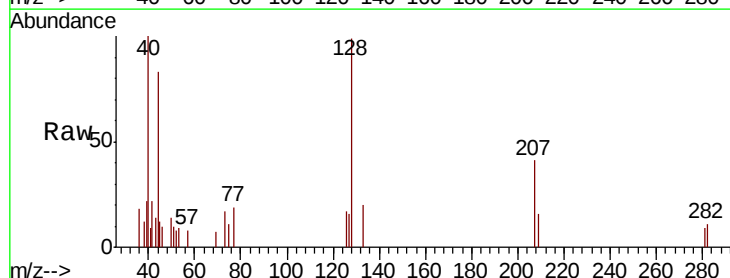
Tgt Ion: 128 Resp: 1602

Ion Ratio Lower Upper

128 100

127 20.2 10.6 15.8#

129 2.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

