

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
 Data File : VW010052.D
 Acq On : 18 Apr 2019 18:24
 Operator : SY/VA
 Sample : K2407-10
 Misc : 5.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-17-S2

Quant Time: Apr 18 18:58:09 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

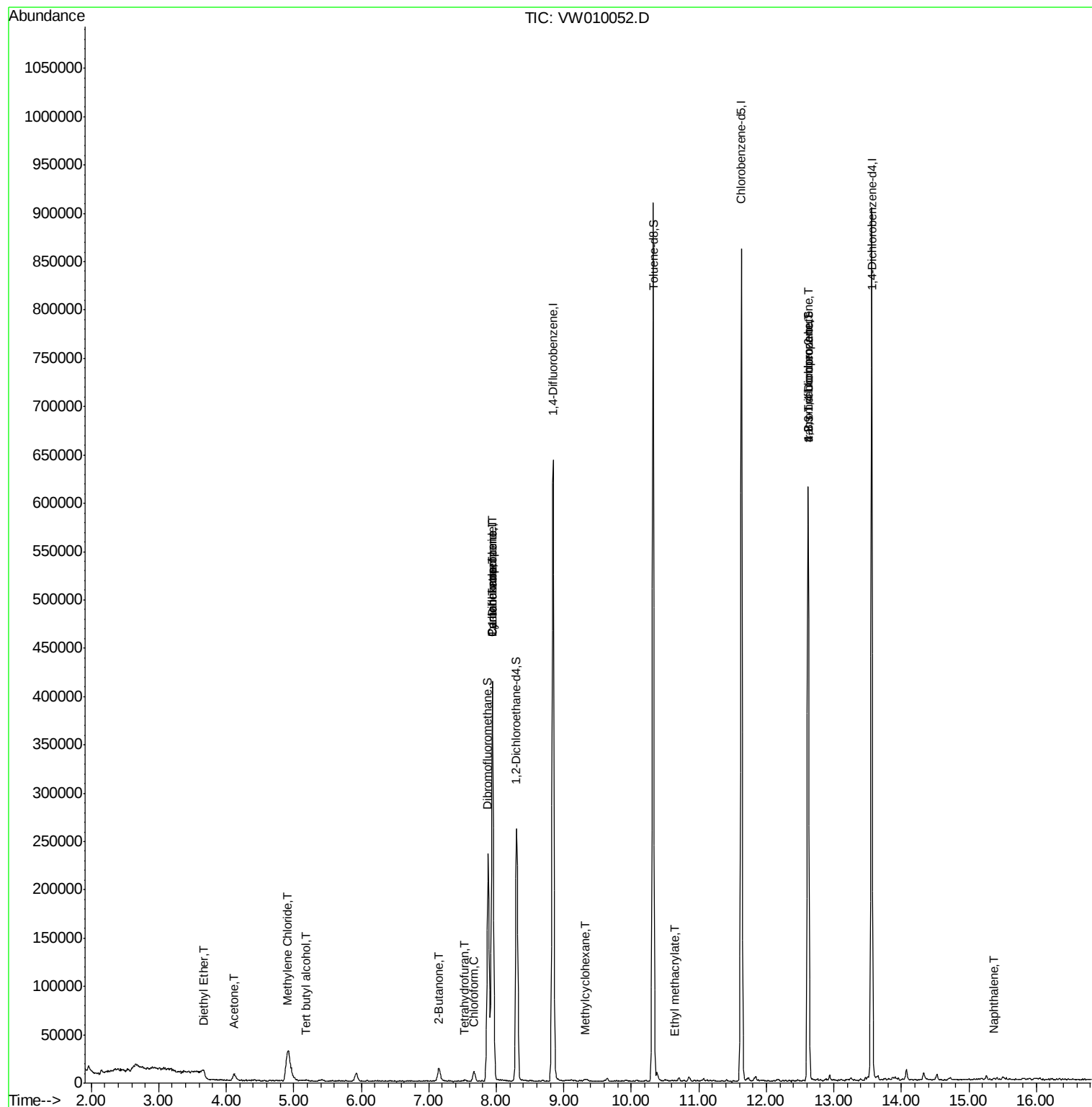
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	205296	59.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.00%	
35) Dibromofluoromethane	7.88	113	164216	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
50) Toluene-d8	10.32	98	556403	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.62	95	187333	43.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.38%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1636	1.148	ug/l	87
11) Tert butyl alcohol	5.18	59	528	2.686	ug/l	97
16) Acetone	4.12	43	13926	17.395	ug/l	98
20) Methylene Chloride	4.91	84	32570	6.739	ug/l	88
25) 2-Butanone	7.14	43	1642	1.561	ug/l #	51
29) Tetrahydrofuran	7.53	42	1155	1.733	ug/l #	67
30) Chloroform	7.67	83	8997	1.507	ug/l	88
31) Cyclohexane	7.95	56	7975	1.429	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	26376	5.214	ug/l #	51
38) Carbon Tetrachloride	7.94	117	30191	6.116	ug/l #	17
39) Methylcyclohexane	9.32	83	314	1.247	ug/l #	44
56) Ethyl methacrylate	10.65	69	84	2.663	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	104271	50.135	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104271	118.216	ug/l #	5
95) Naphthalene	15.37	128	1012	2.761	ug/l #	82

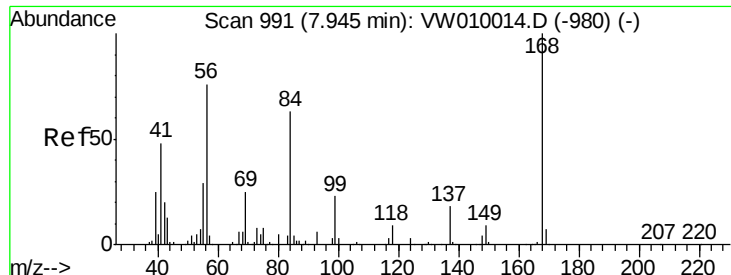
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010052.D

Acq: 18 Apr 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

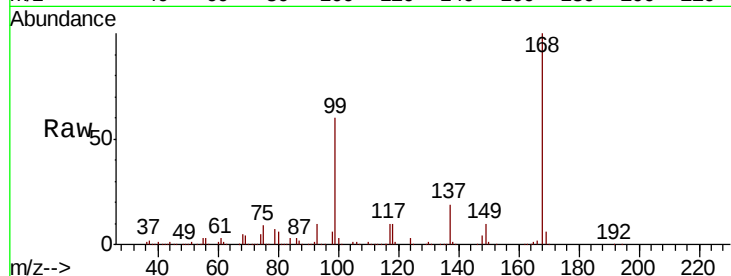
TP-17-S2

Tgt Ion:168 Resp: 279603

Ion Ratio Lower Upper

168 100

99 60.5 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

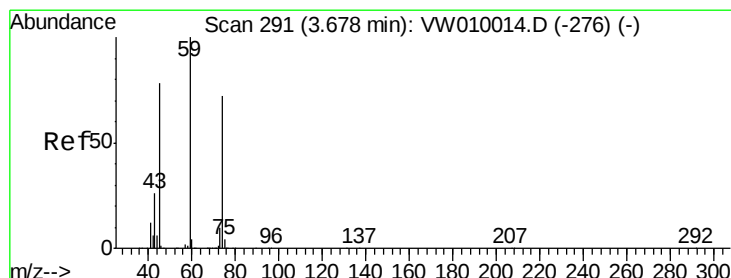
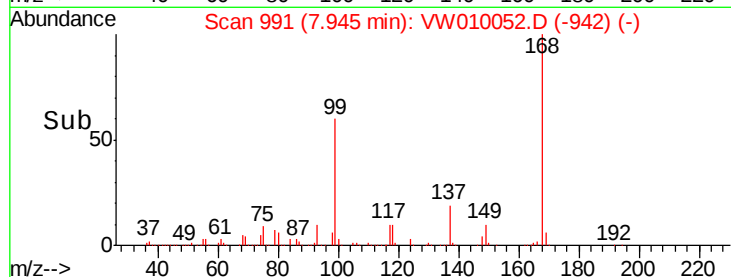
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.148 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW010052.D

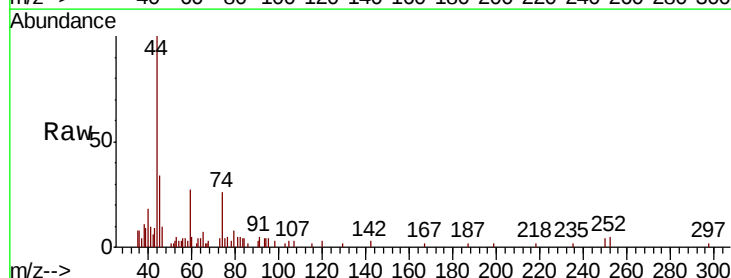
Acq: 18 Apr 2019 18:24

Tgt Ion: 74 Resp: 1636

Ion Ratio Lower Upper

74 100

45 126.2 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

1000

800

600

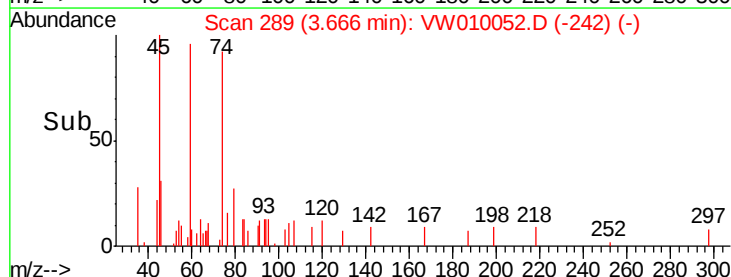
400

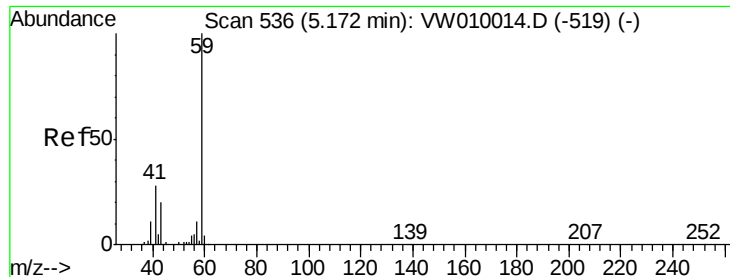
200

0

3.60 3.65 3.70

Time-->

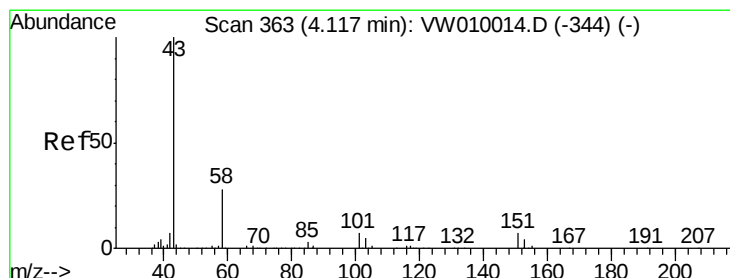
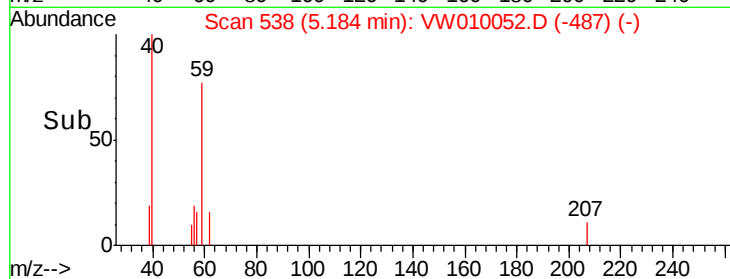
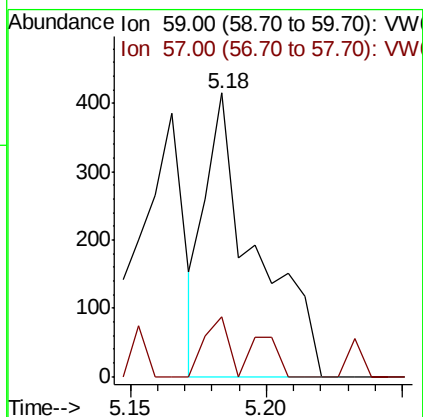
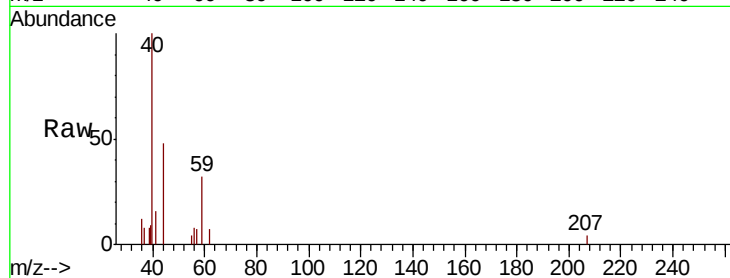




#11
Tert butyl alcohol
Concen: 2.686 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

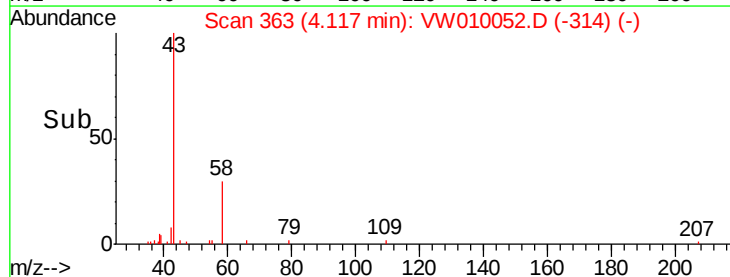
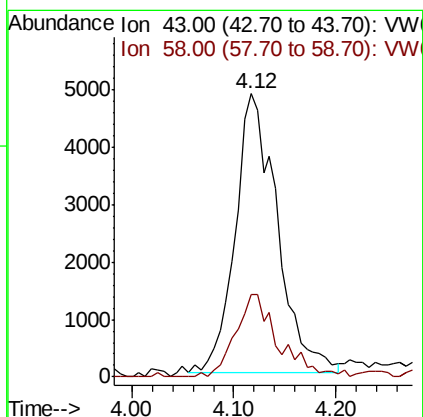
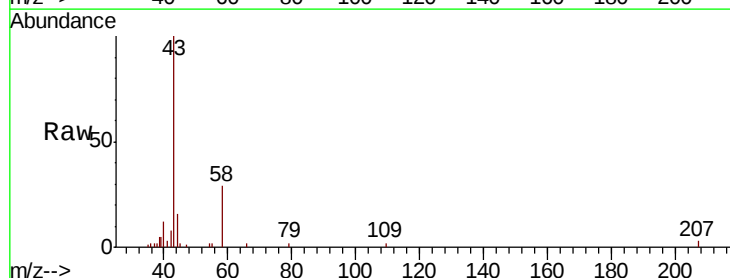
Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

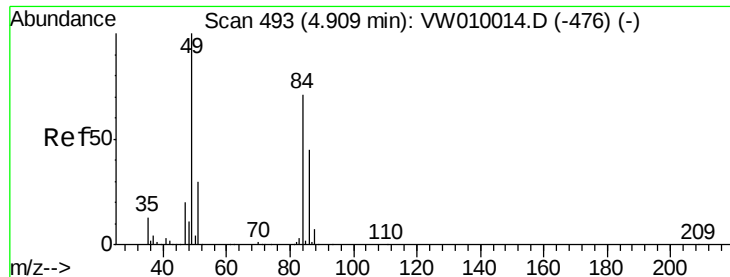
Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.4



#16
Acetone
Concen: 17.395 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Tgt Ion: 43 Resp: 13926
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1





#20

Methylene Chloride

Concen: 6.739 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010052.D

Acq: 18 Apr 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

TP-17-S2

Tgt Ion: 84 Resp: 32570

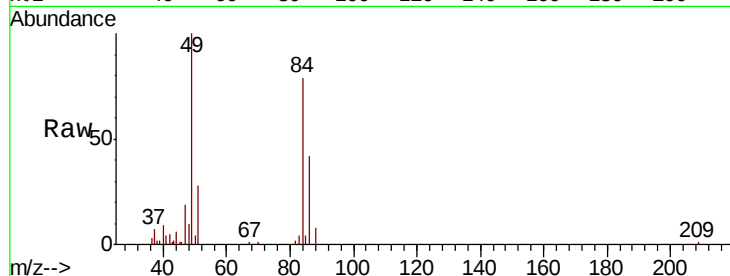
Ion Ratio Lower Upper

84 100

49 126.1 112.3 168.5

51 35.9 33.9 50.9

86 52.3 50.2 75.4

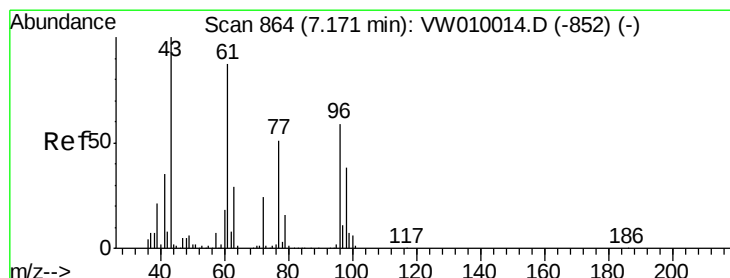
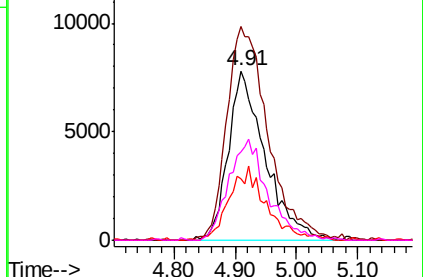
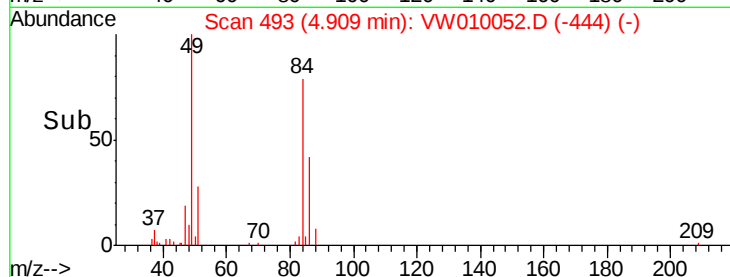


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.561 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010052.D

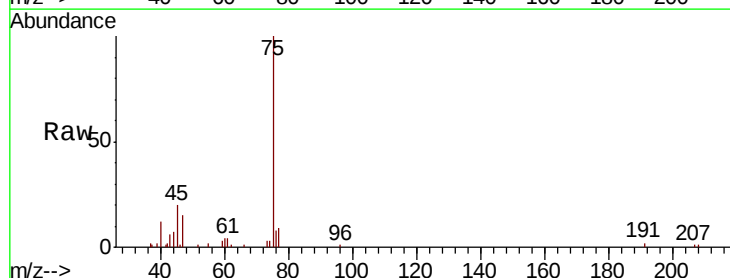
Acq: 18 Apr 2019 18:24

Tgt Ion: 43 Resp: 1642

Ion Ratio Lower Upper

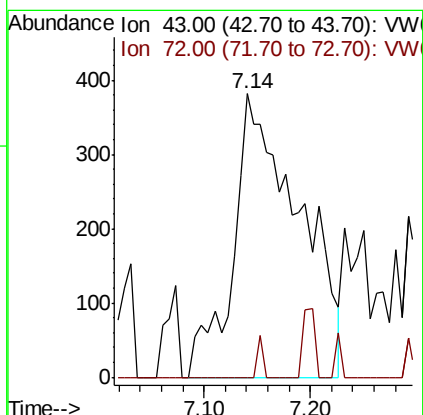
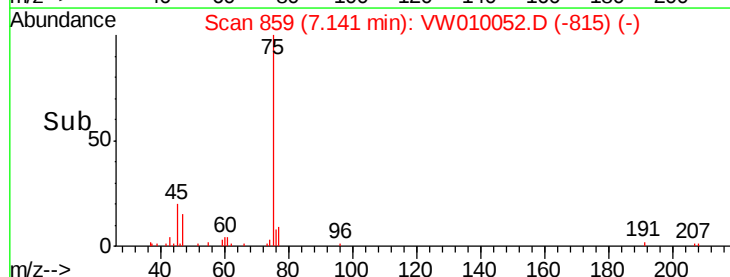
43 100

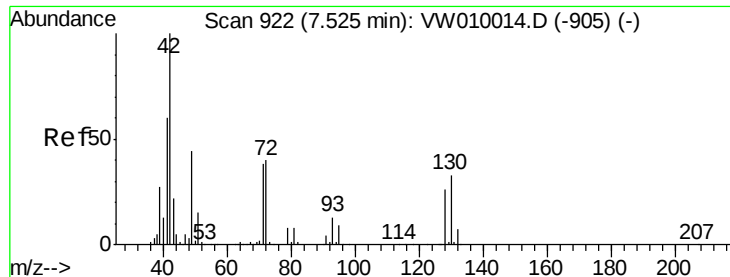
72 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

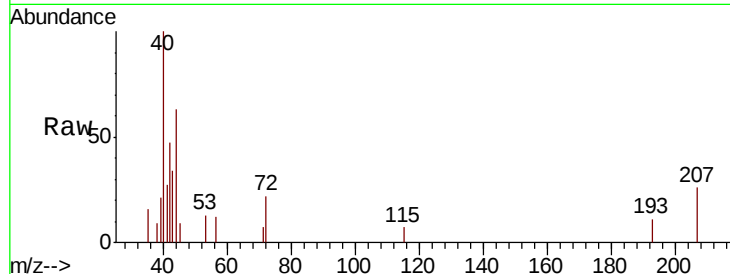




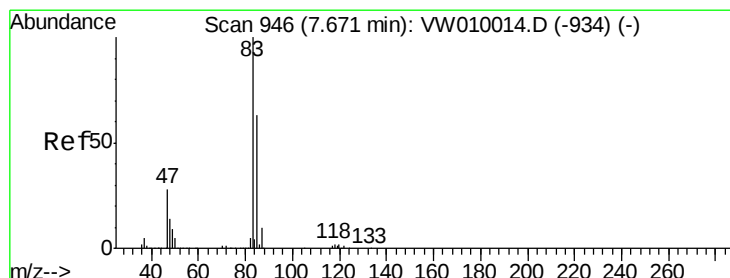
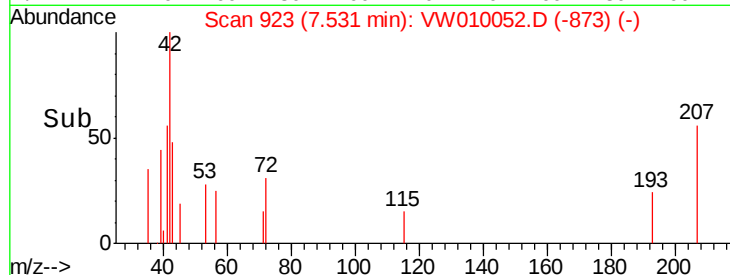
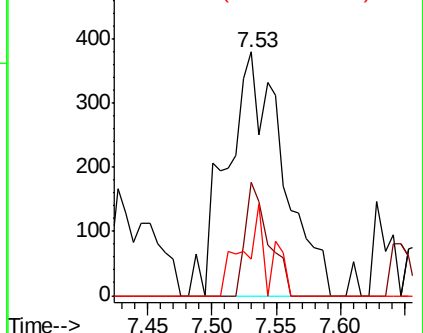
#29
Tetrahydrofuran
Concen: 1.733 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

Tgt Ion: 42 Resp: 1155
Ion Ratio Lower Upper
42 100
72 19.2 31.0 46.6#
71 17.4 29.7 44.5#

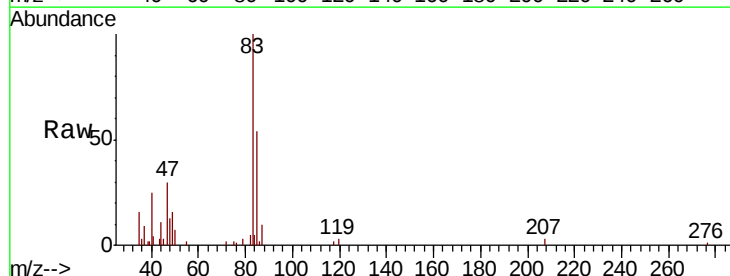


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

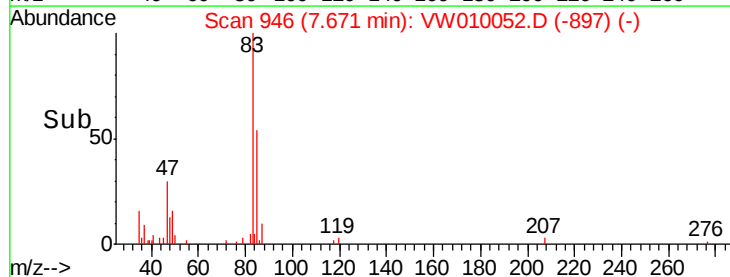
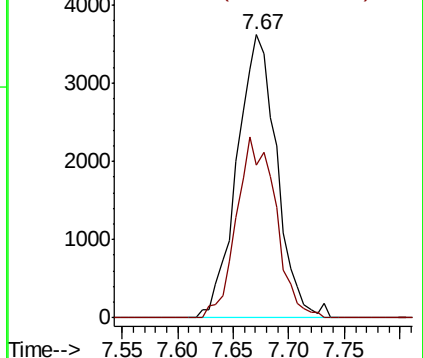


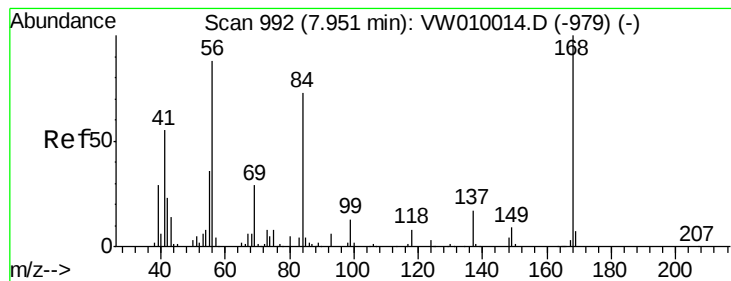
#30
Chloroform
Concen: 1.507 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Tgt Ion: 83 Resp: 8997
Ion Ratio Lower Upper
83 100
85 54.0 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.429 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010052.D

Acq: 18 Apr 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

TP-17-S2

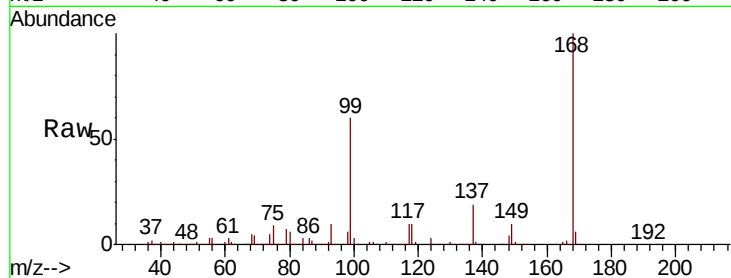
Tgt Ion: 56 Resp: 7975

Ion Ratio Lower Upper

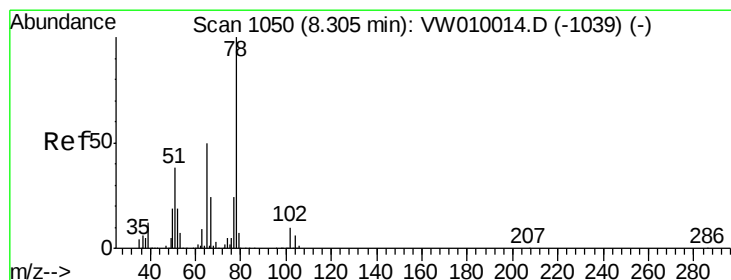
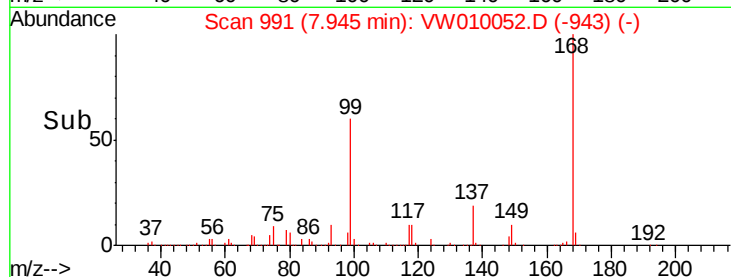
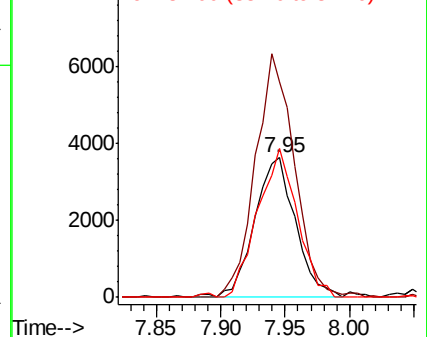
56 100

69 154.5 26.6 40.0#

84 107.2 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: 59.498 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010052.D

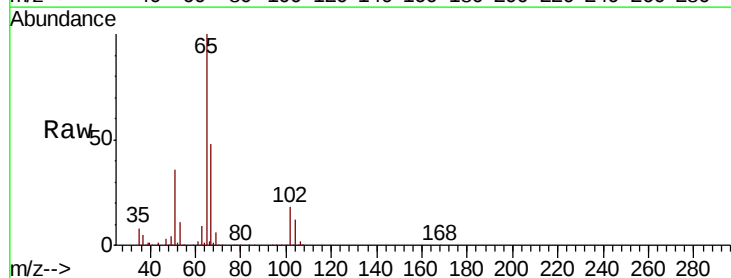
Acq: 18 Apr 2019 18:24

Tgt Ion: 65 Resp: 205296

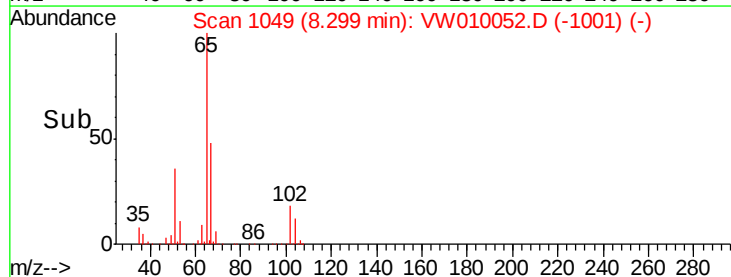
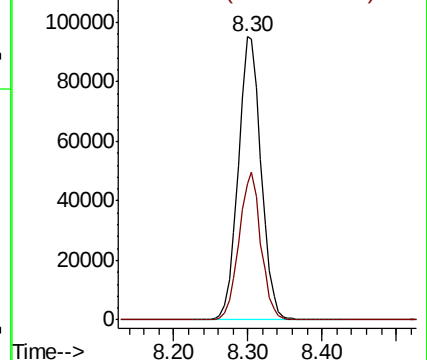
Ion Ratio Lower Upper

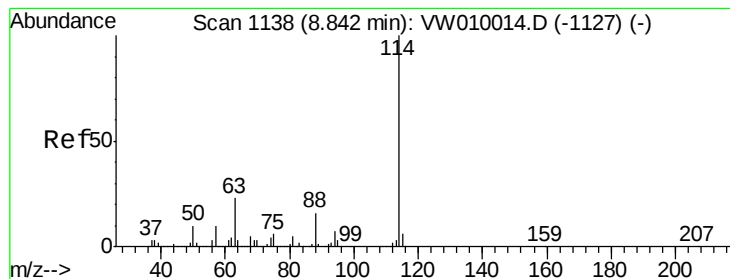
65 100

67 50.2 0.0 100.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010052.D

Acq: 18 Apr 2019 18:24

Instrument :

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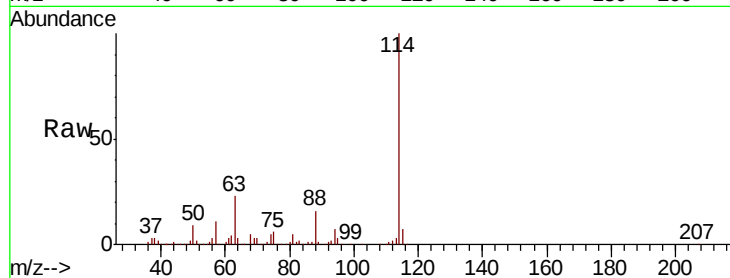
Tgt Ion:114 Resp: 495186

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

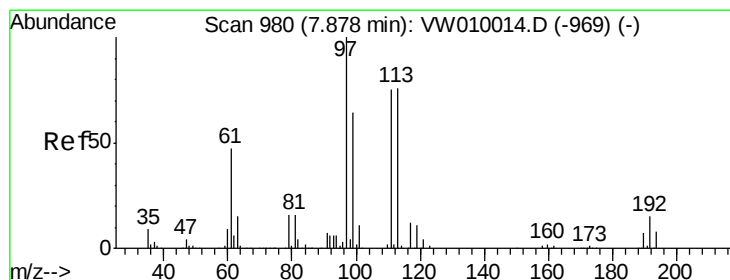
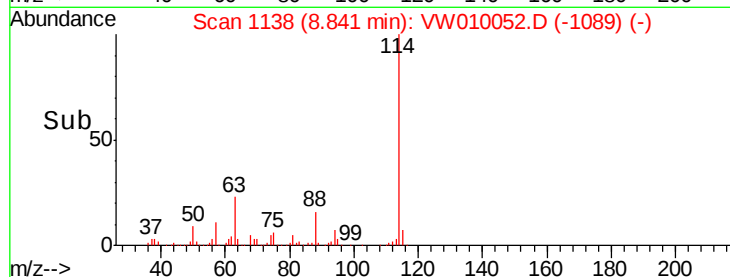
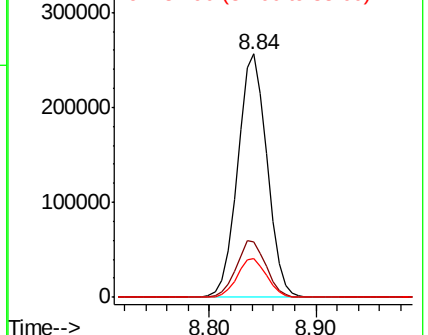
88 15.8 0.0 32.6



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: 52.162 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010052.D

Acq: 18 Apr 2019 18:24

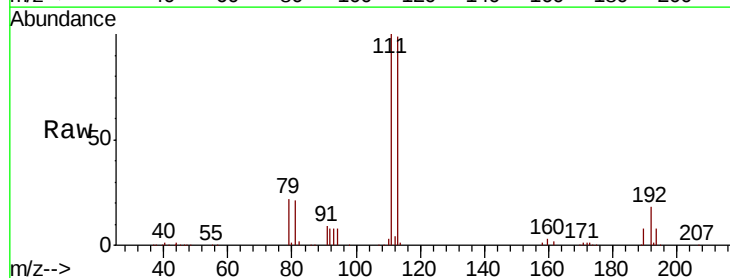
Tgt Ion:113 Resp: 164216

Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

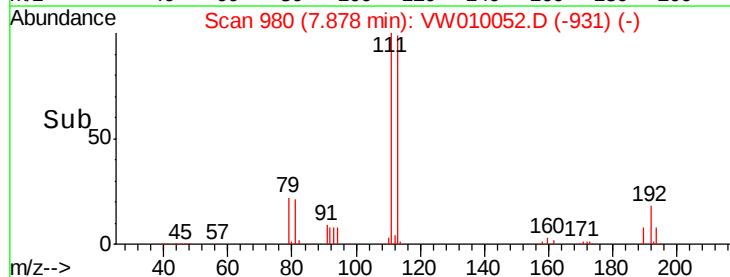
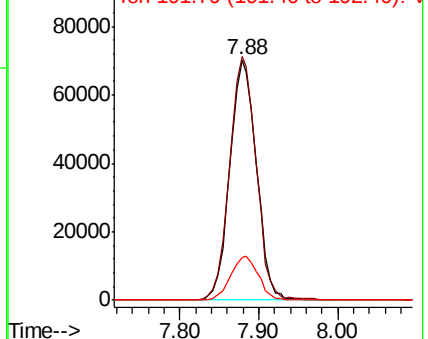
192 18.8 15.4 23.2

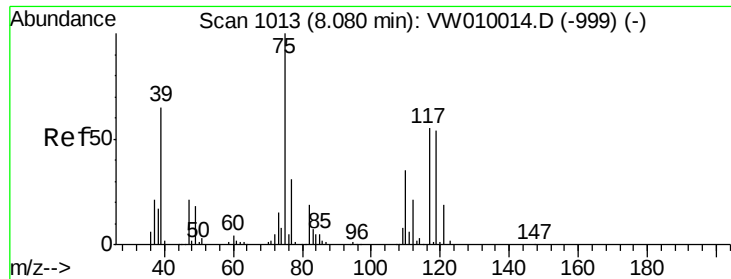


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

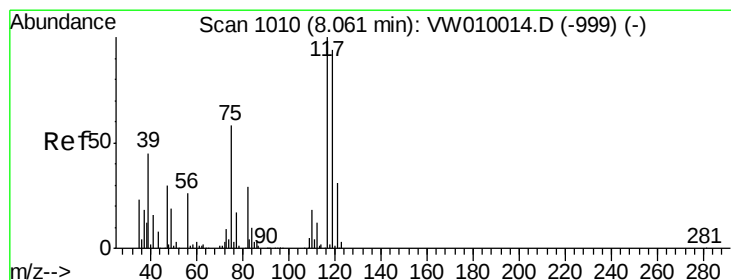
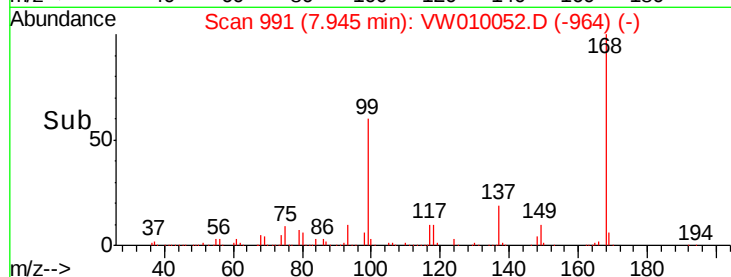
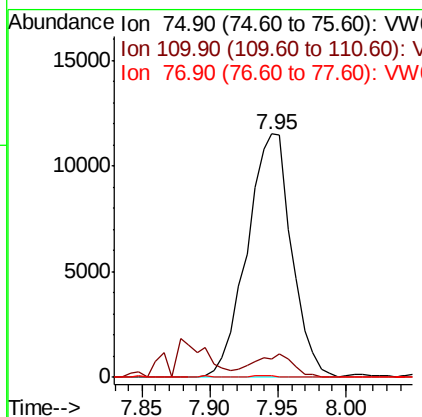
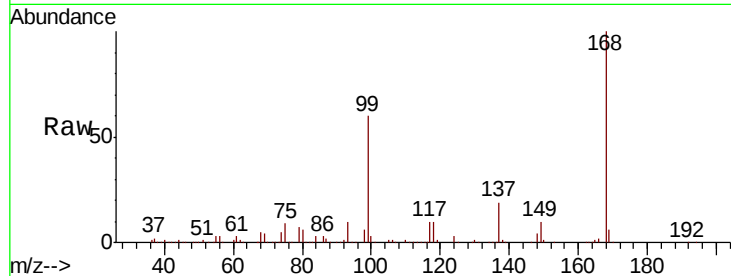




#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010052.D
 Acq: 18 Apr 2019 18:24

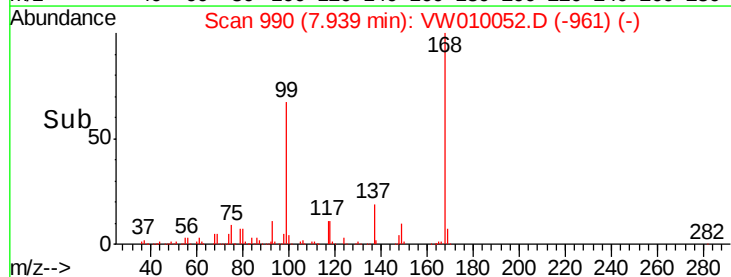
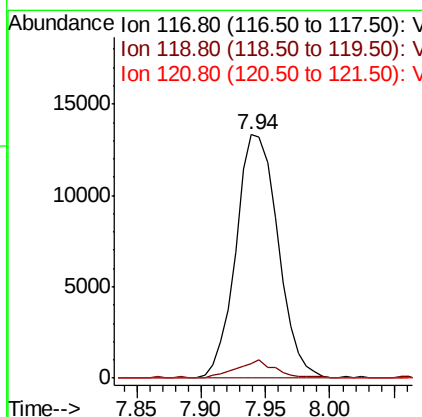
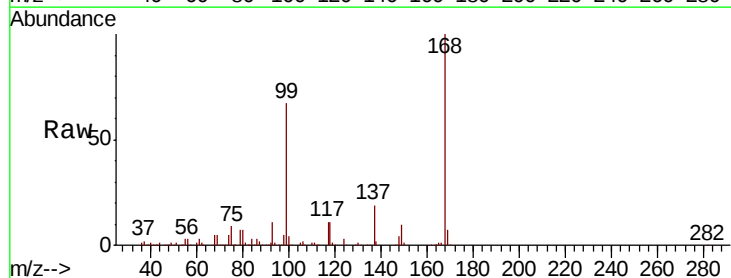
Instrument :
 MSVOA_W
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 TP-17-S2

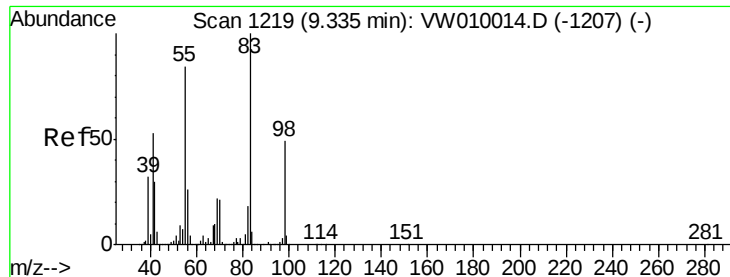
Tgt Ion: 75 Resp: 26376
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.6 49.8#
 77 0.3 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.116 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.12 min
 Lab File: VW010052.D
 Acq: 18 Apr 2019 18:24

Tgt Ion: 117 Resp: 30191
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.3 112.9#
 121 0.0 24.4 36.6#

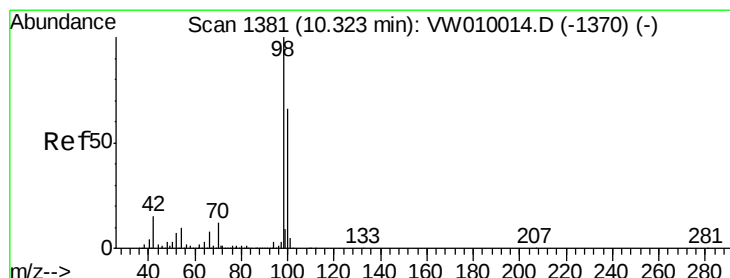
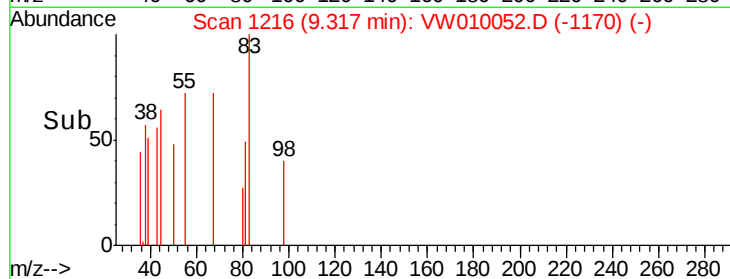
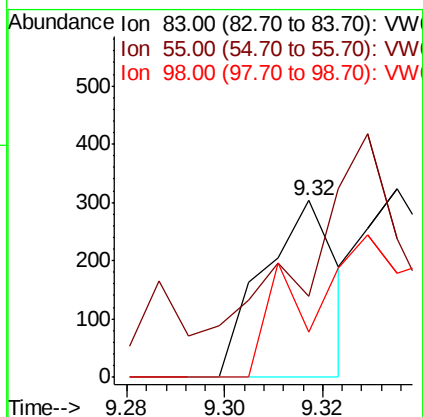
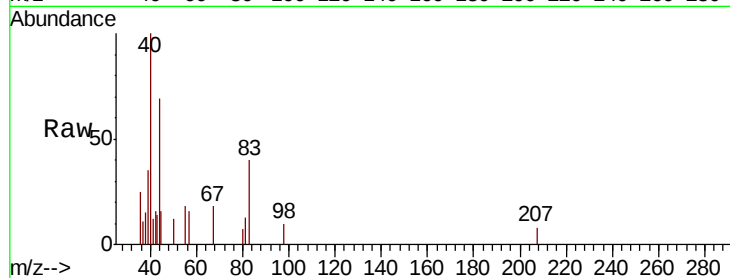




#39
Methylcyclohexane
Concen: 1.247 ug/l
RT: 9.32 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

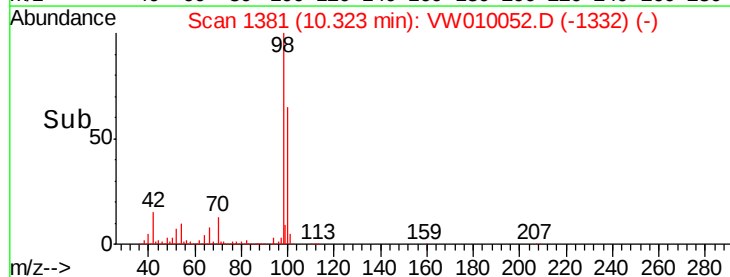
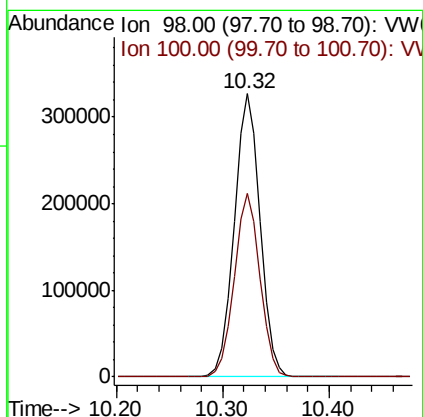
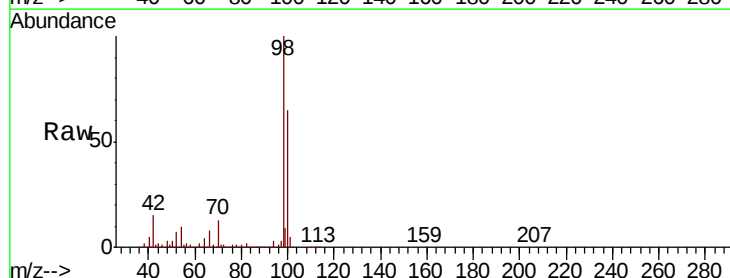
Instrument :
MSVOA_W
ClientSampled :
TP-17-S2

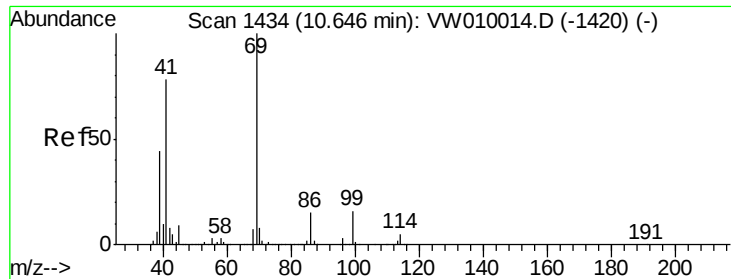
Tgt Ion: 83 Resp: 314
Ion Ratio Lower Upper
83 100
55 22.1 67.1 100.7#
98 25.4 39.2 58.8#



#50
Toluene-d8
Concen: 47.165 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Tgt Ion: 98 Resp: 556403
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

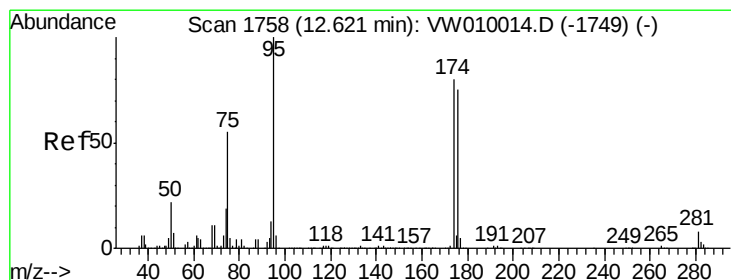
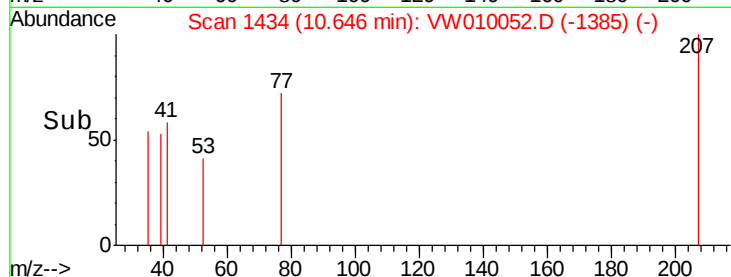
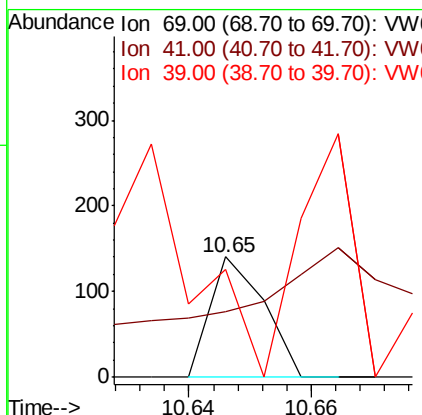
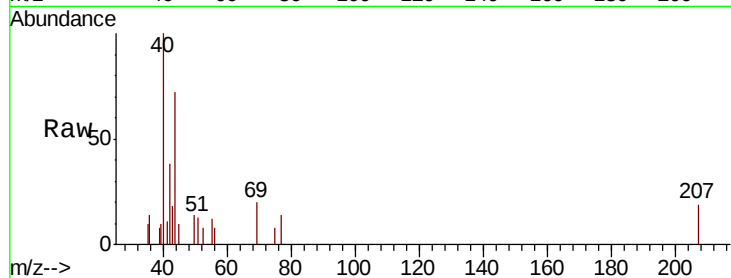




#56
Ethyl methacrylate
Concen: 2.663 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

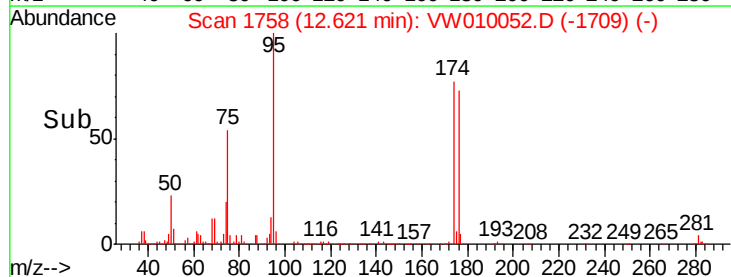
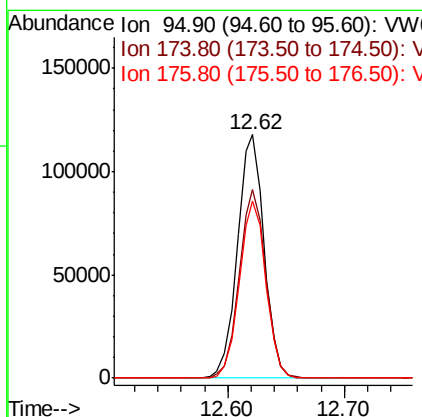
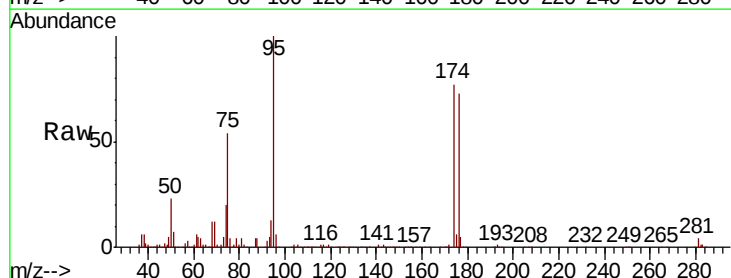
Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

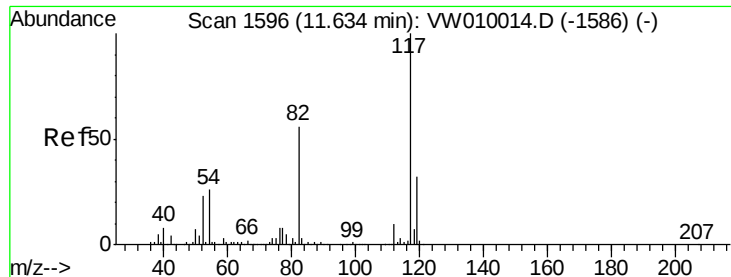
Tgt Ion: 69 Resp: 84
Ion Ratio Lower Upper
69 100
41 407.1 61.0 91.6#
39 238.1 33.8 50.6#



#62
4-Bromofluorobenzene
Concen: 43.686 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Tgt Ion: 95 Resp: 187333
Ion Ratio Lower Upper
95 100
174 77.5 0.0 151.4
176 72.6 0.0 146.2

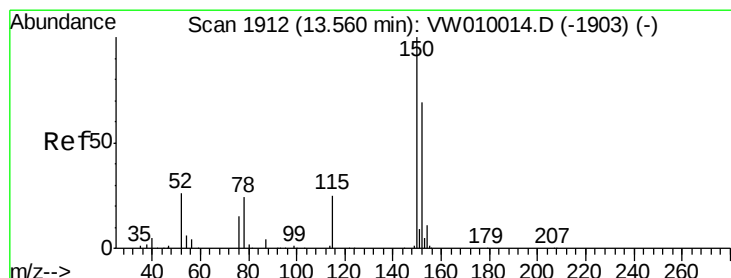
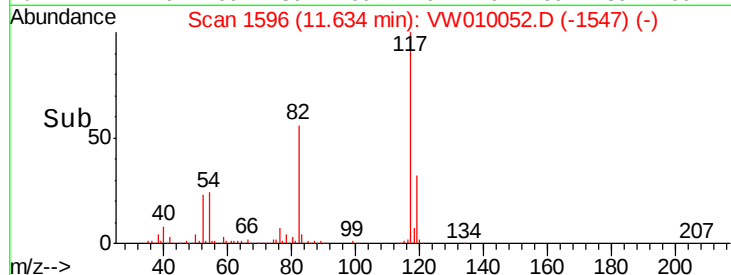
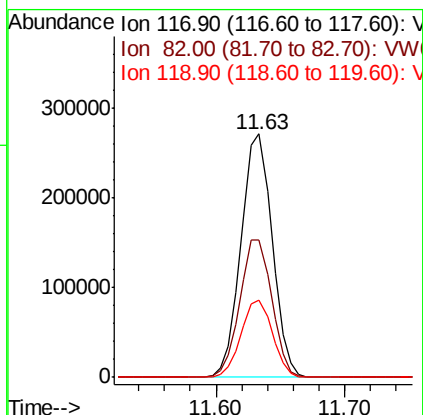
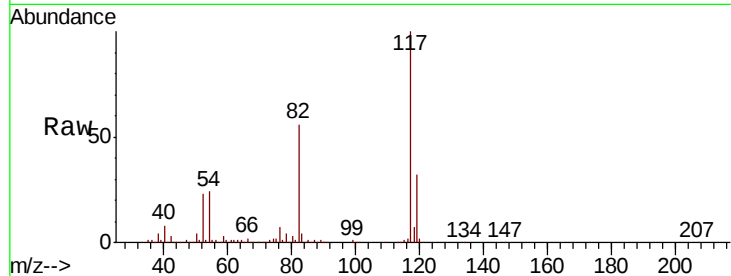




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

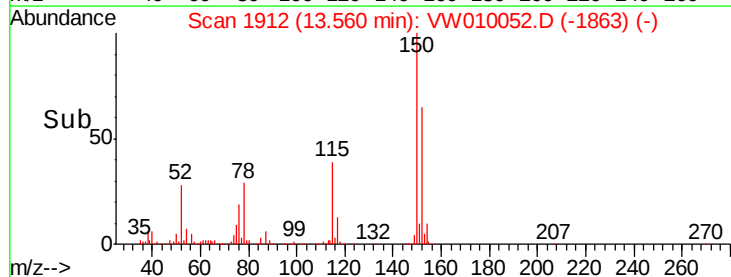
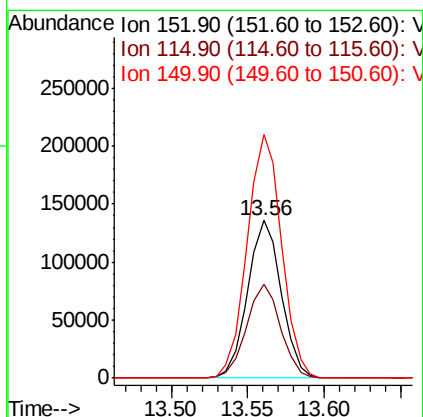
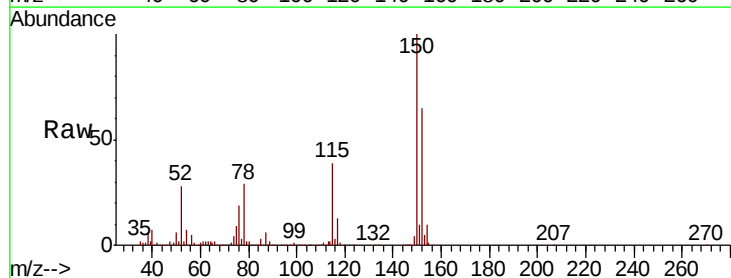
Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

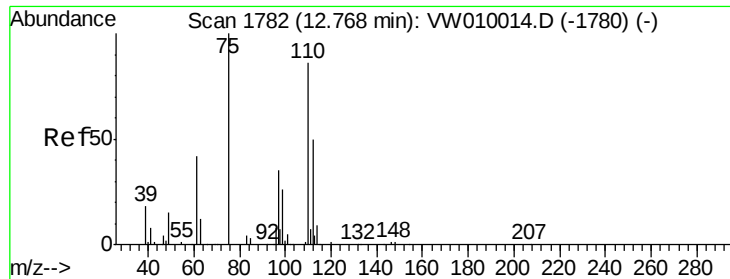
Tgt Ion:117 Resp: 455034
Ion Ratio Lower Upper
117 100
82 56.4 45.2 67.8
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010052.D
Acq: 18 Apr 2019 18:24

Tgt Ion:152 Resp: 207805
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.2
150 158.1 0.0 347.0

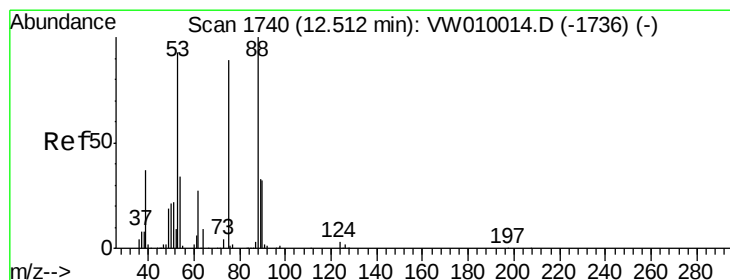
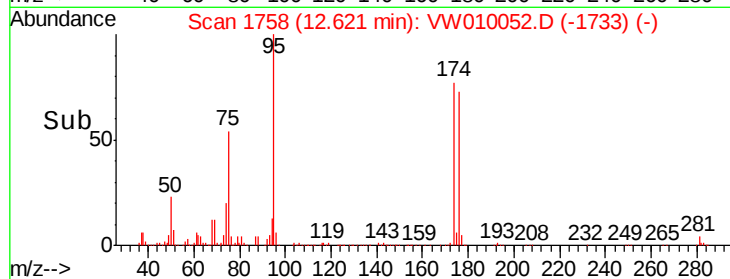
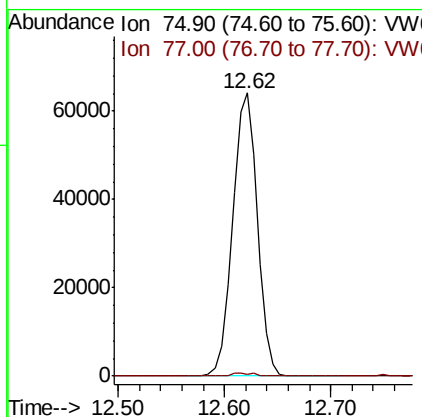
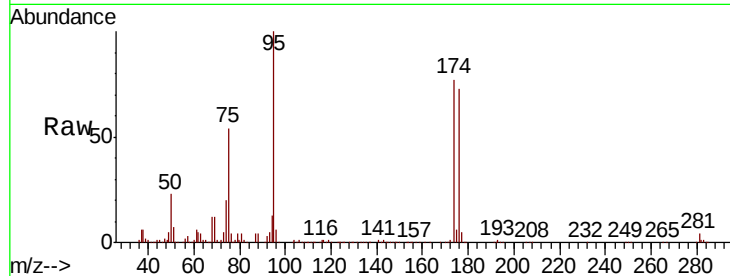




#76
 1,2,3-Trichloropropane
 Concen: 50.135 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010052.D
 Acq: 18 Apr 2019 18:24

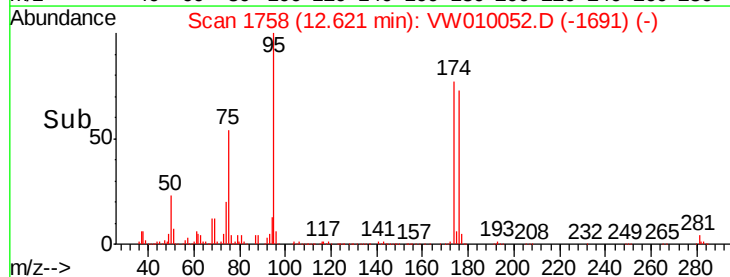
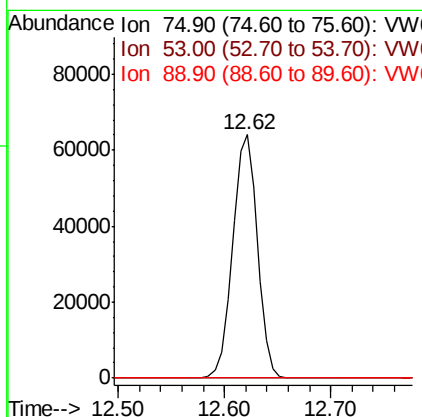
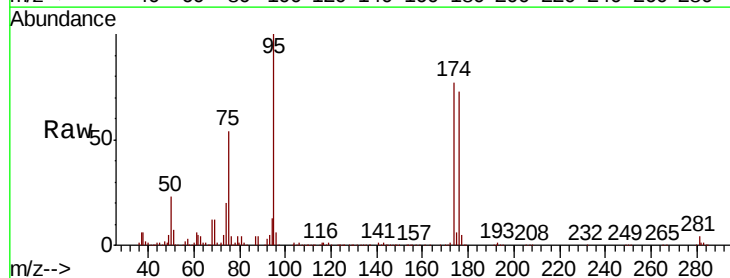
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-17-S2

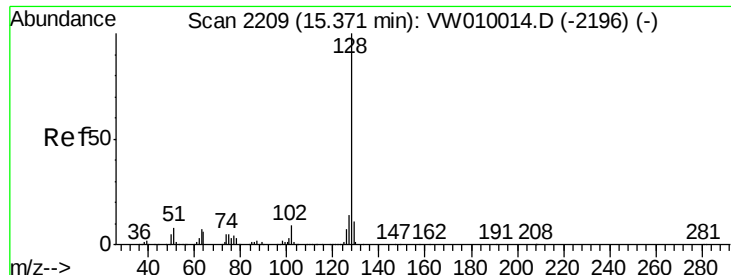
Tgt Ion: 75 Resp: 104271
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.216 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010052.D
 Acq: 18 Apr 2019 18:24

Tgt Ion: 75 Resp: 104271
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.8 134.8#
 89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 2.761 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010052.D

Acq: 18 Apr 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

TP-17-S2

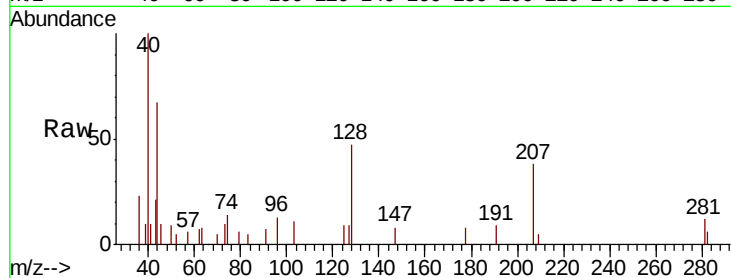
Tgt Ion:128 Resp: 1012

Ion Ratio Lower Upper

128 100

127 16.7 10.6 15.8#

129 0.0 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

