

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008126.D
 Acq On : 10 Jan 2019 03:11
 Operator : SY/AP
 Sample : K1082-03RE
 Misc : 6.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-2

Quant Time: Jan 10 06:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

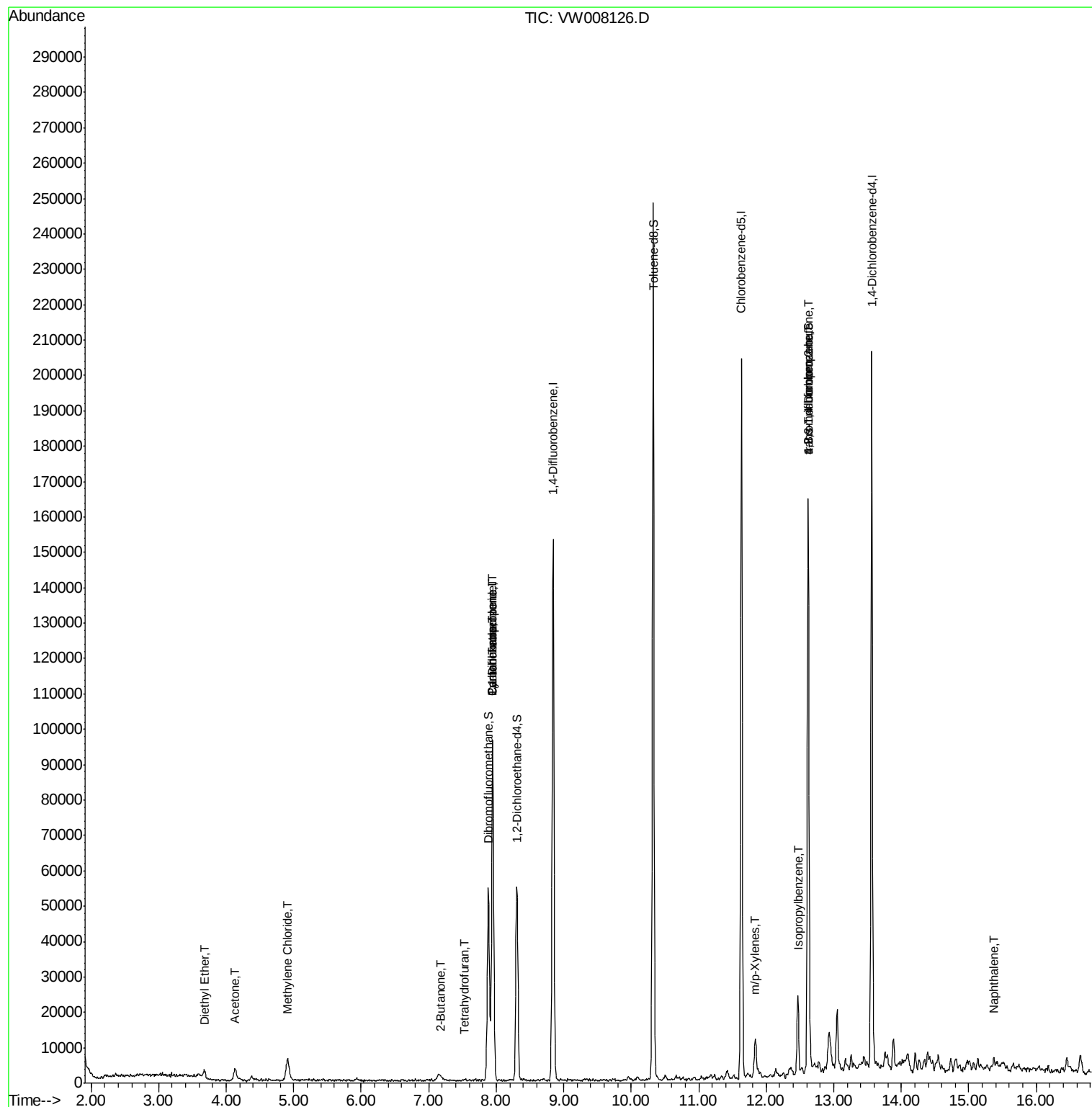
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	42326	55.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.50%	
35) Dibromofluoromethane	7.88	113	38754	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
50) Toluene-d8	10.32	98	161083	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	53746	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1395	3.223	ug/l	98
11) Tert butyl alcohol	5.20	59	149	Below Cal	#	100
13) Acrolein	3.87	56	19	Below Cal	#	1
16) Acetone	4.13	43	6184	25.955	ug/l #	88
20) Methylene Chloride	4.91	84	4663	1.520	ug/l	90
25) 2-Butanone	7.18	43	1184	5.555	ug/l	97
29) Tetrahydrofuran	7.53	42	312	2.191	ug/l #	67
31) Cyclohexane	7.95	56	1779	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5980	4.608	ug/l #	44
38) Carbon Tetrachloride	7.95	117	6903	5.812	ug/l #	16
68) m/p-Xylenes	11.84	106	2833	1.720	ug/l	98
73) Isopropylbenzene	12.47	105	13565	3.444	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	27320	59.741	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	27320	139.118	ug/l #	10
95) Naphthalene	15.37	128	3380	1.838	ug/l #	94

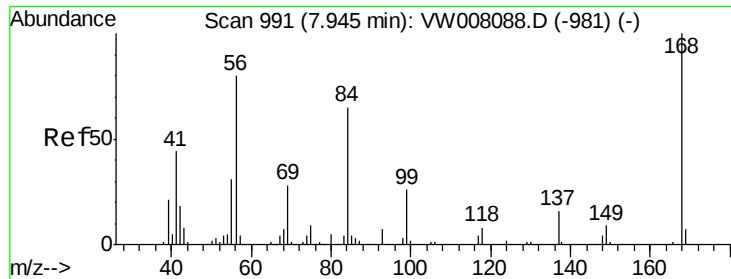
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008126.D

Acq: 10 Jan 2019 03:11

Instrument :

MSVOA_W

ClientSampled :

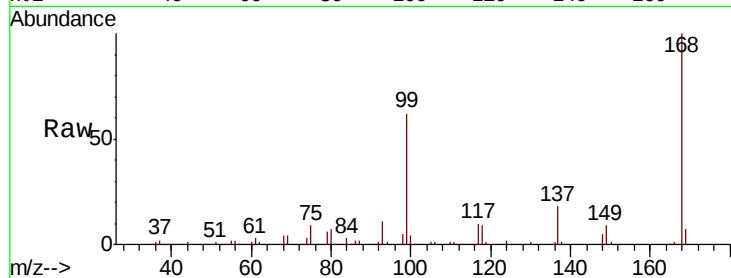
SP-1-2

Tgt Ion:168 Resp: 68160

Ion Ratio Lower Upper

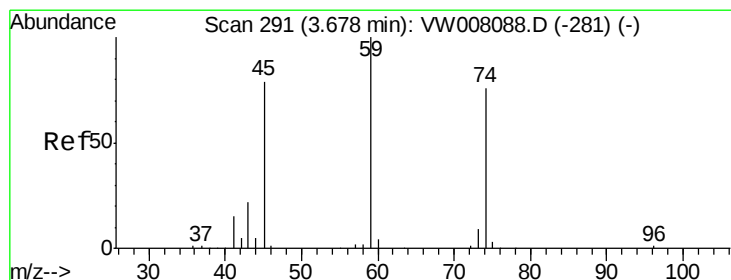
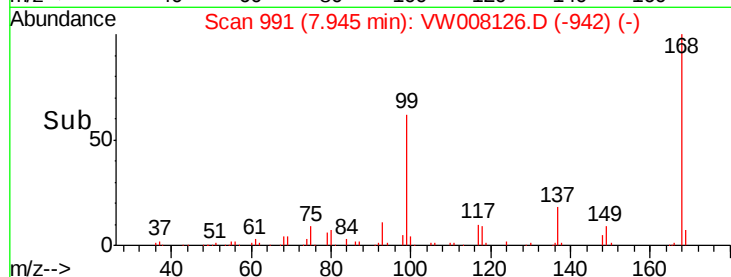
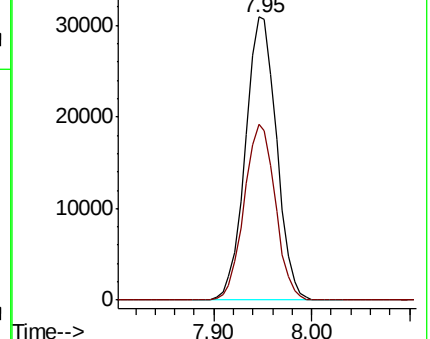
168 100

99 62.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.223 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW008126.D

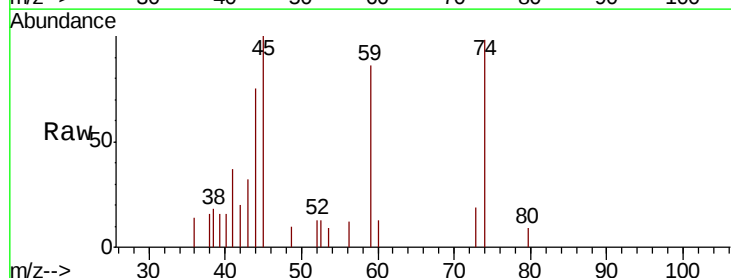
Acq: 10 Jan 2019 03:11

Tgt Ion: 74 Resp: 1395

Ion Ratio Lower Upper

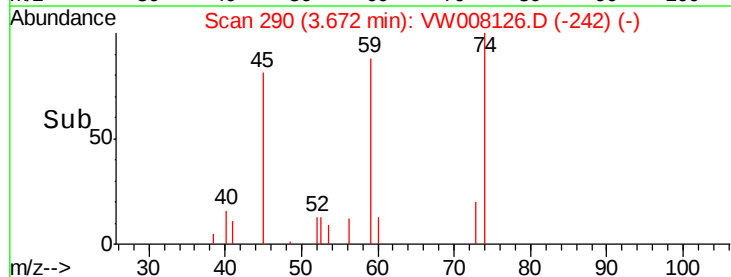
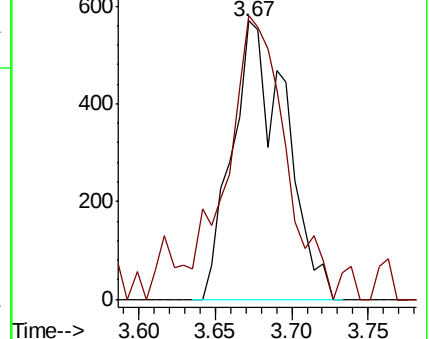
74 100

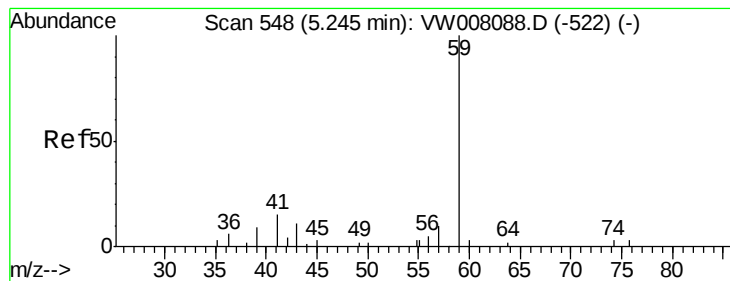
45 107.2 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



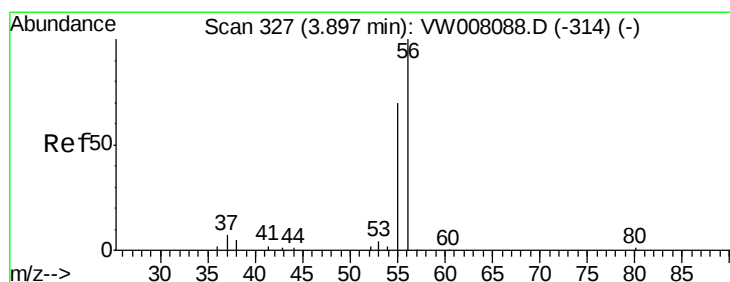
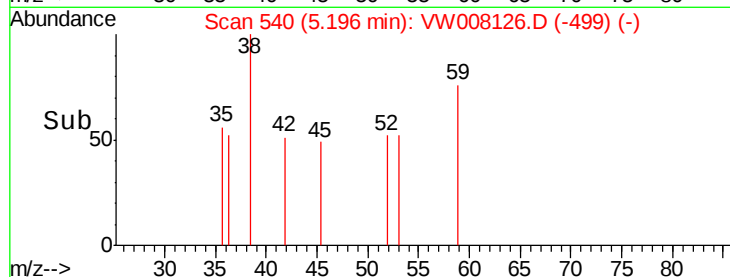
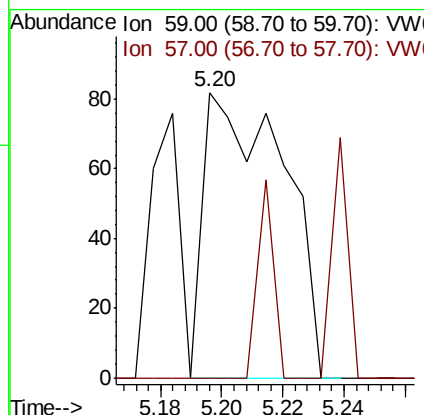
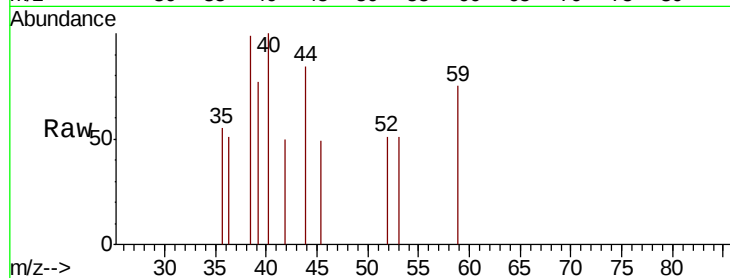


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 540
 Delta R.T. -0.05 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

Instrument :
 MSVOA_W
 ClientSampled :
 SP-1-2

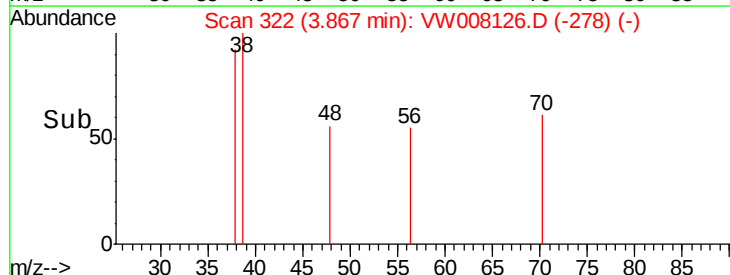
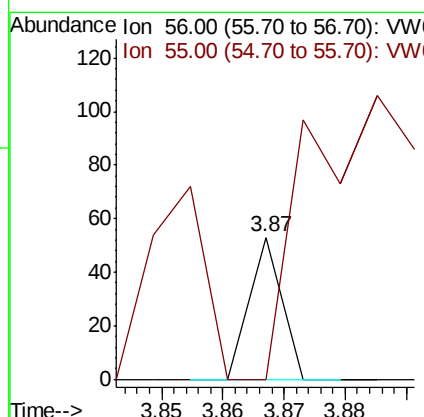
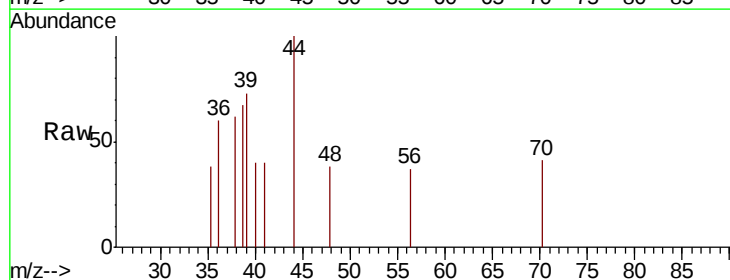
Tgt Ion: 59 Resp: 149
 Ion Ratio Lower Upper
 59 100
 57 14.1 0.0 0.0#

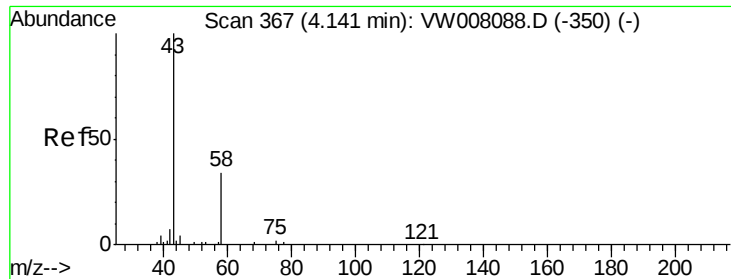


#13

Acrolein
 Concen: Below Cal
 RT: 3.87 min Scan# 322
 Delta R.T. -0.03 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 242.1 56.6 84.8#

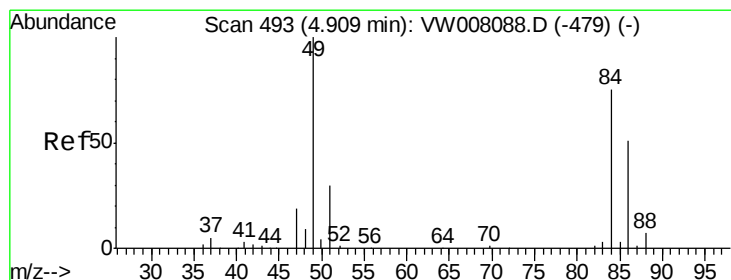
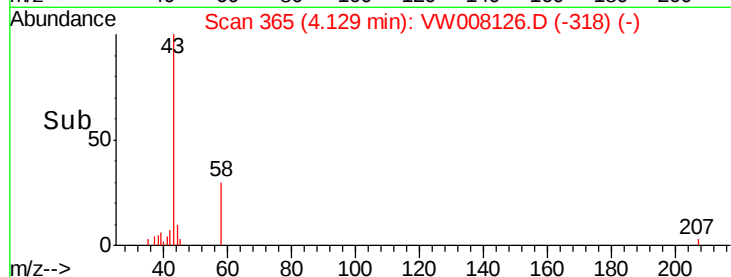
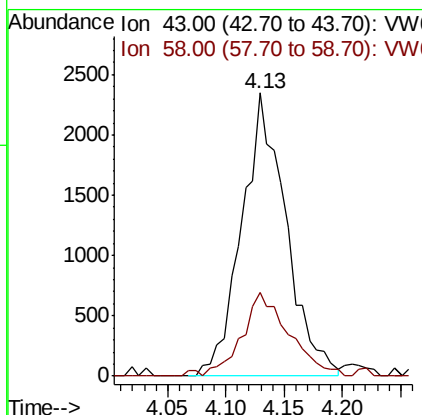
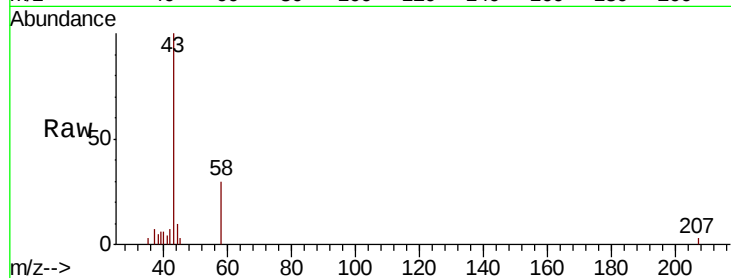




#16
Acetone
Concen: 25.955 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

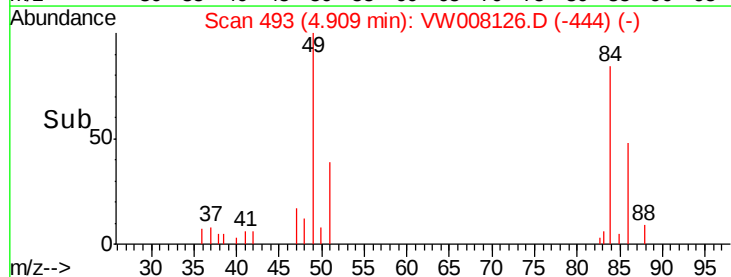
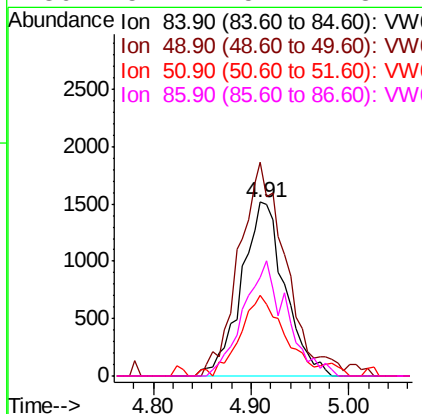
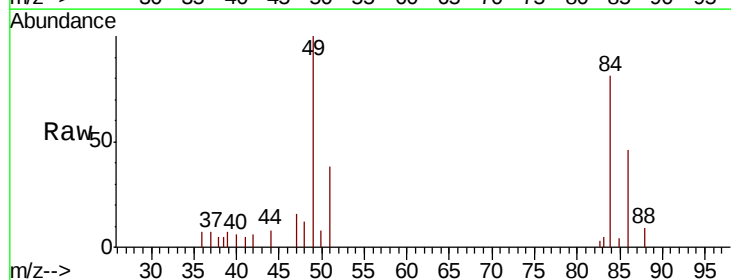
Instrument :
MSVOA_W
ClientSampleId :
SP-1-2

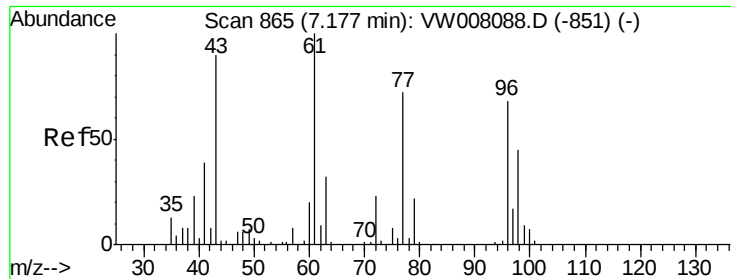
Tgt Ion: 43 Resp: 6184
Ion Ratio Lower Upper
43 100
58 27.4 27.5 41.3#



#20
Methylene Chloride
Concen: 1.520 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

Tgt Ion: 84 Resp: 4663
Ion Ratio Lower Upper
84 100
49 123.0 107.1 160.7
51 46.5 32.4 48.6
86 57.1 54.2 81.4

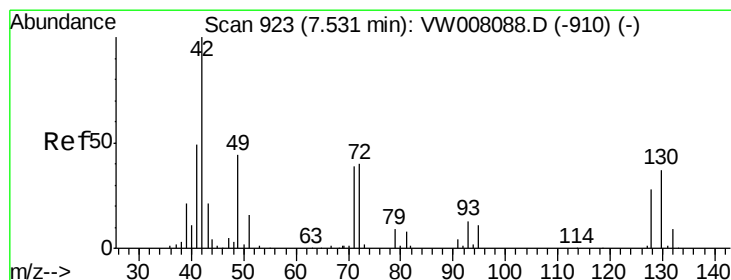
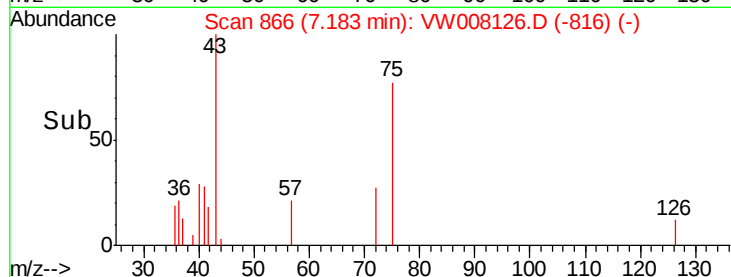
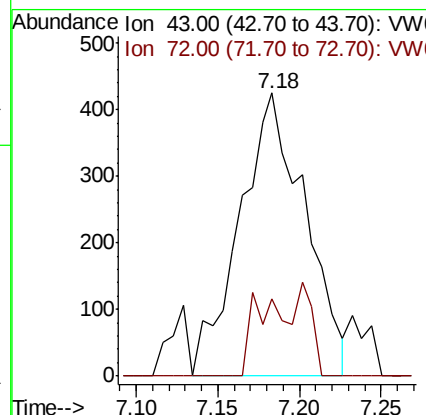
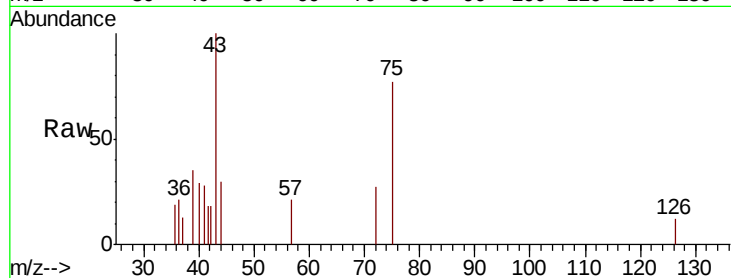




#25
2-Butanone
Concen: 5.555 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

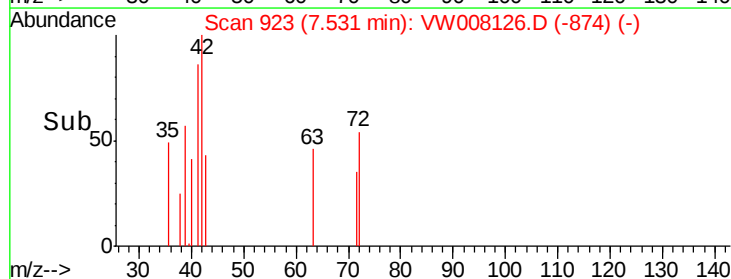
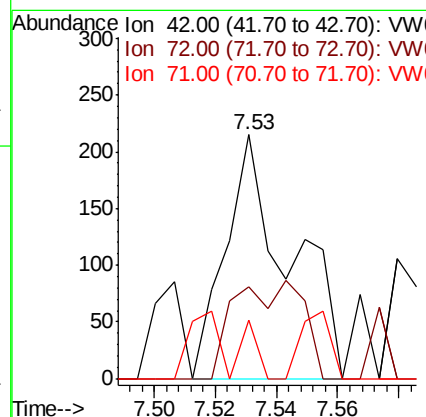
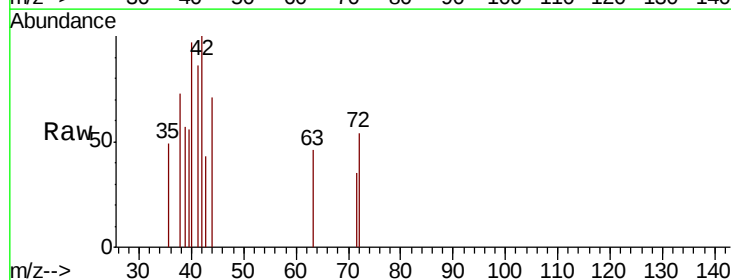
Instrument :
MSVOA_W
ClientSampleId :
SP-1-2

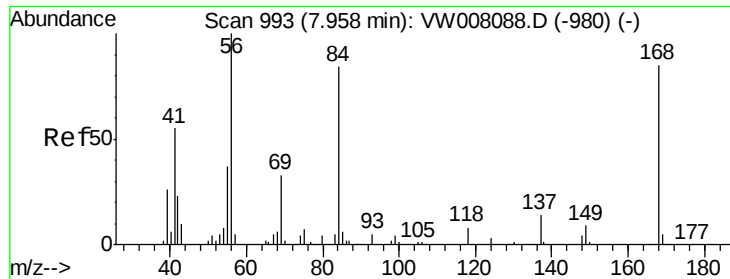
Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
72 27.3 20.5 30.7



#29
Tetrahydrofuran
Concen: 2.191 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

Tgt Ion: 42 Resp: 312
Ion Ratio Lower Upper
42 100
72 42.9 32.4 48.6
71 0.0 31.3 46.9#

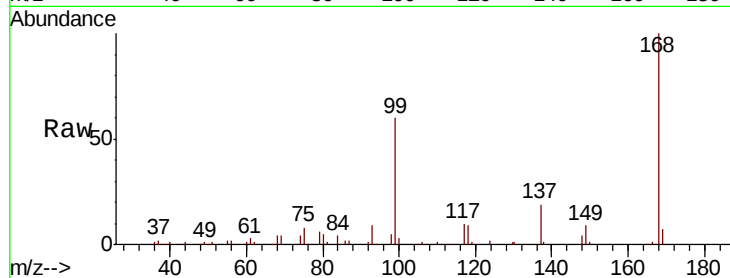




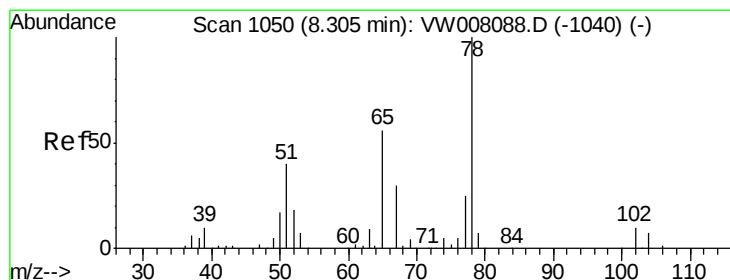
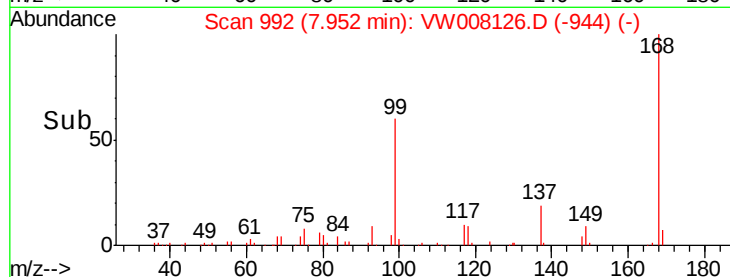
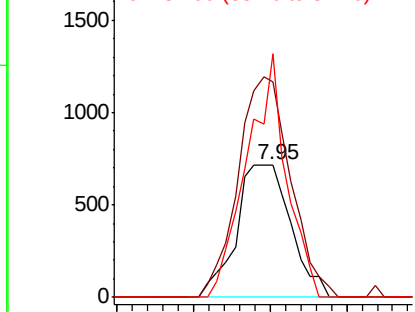
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

Instrument :
MSVOA_W
ClientSampled :
SP-1-2

Tgt Ion: 56 Resp: 1779
Ion Ratio Lower Upper
56 100
69 162.0 26.2 39.4#
84 183.3 67.4 101.2#

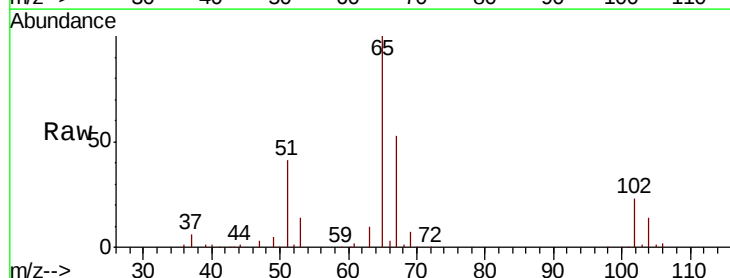


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

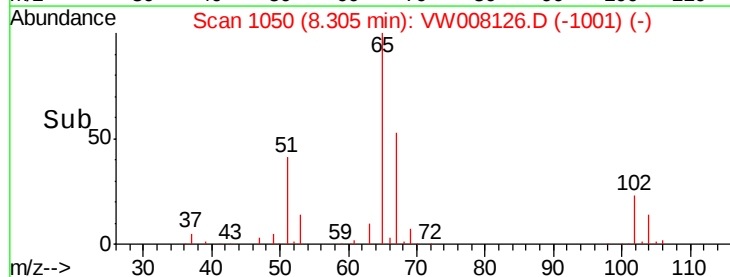
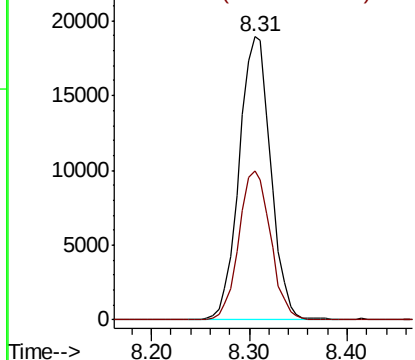


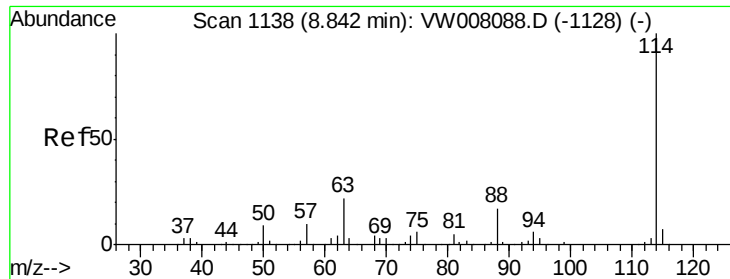
#33
1,2-Dichloroethane-d4
Concen: 55.252 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

Tgt Ion: 65 Resp: 42326
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8



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

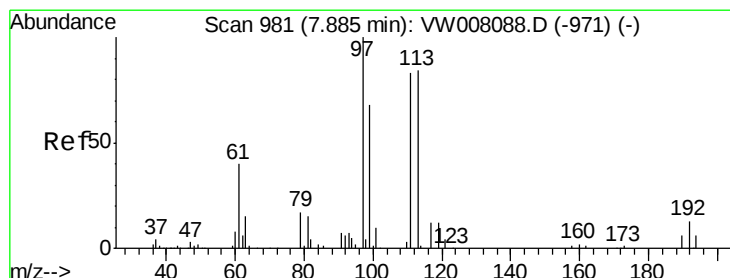
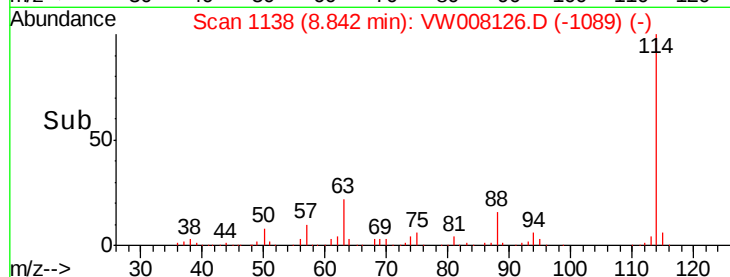
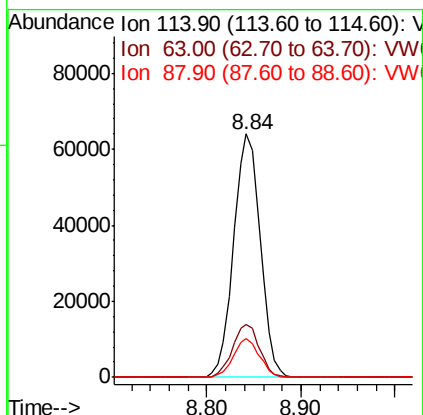
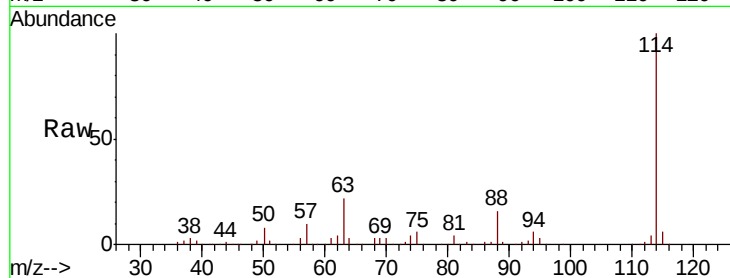




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

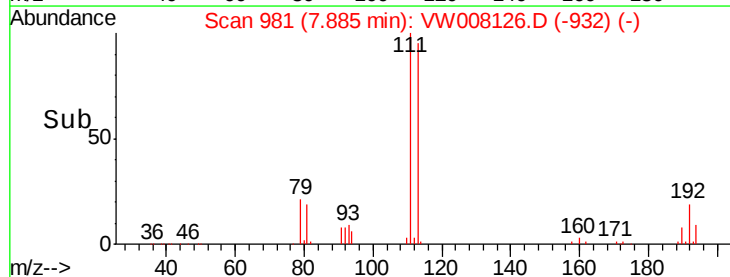
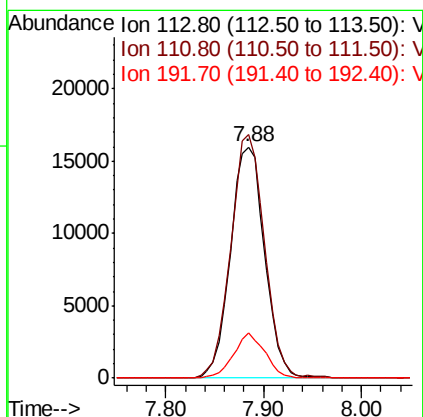
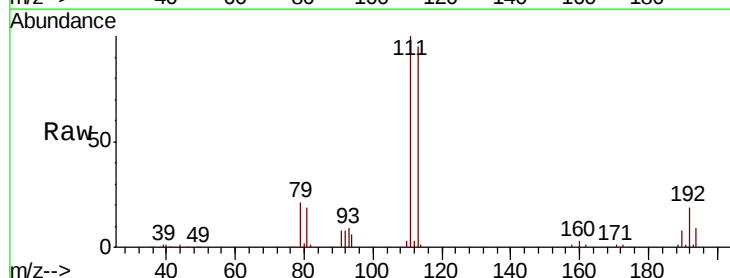
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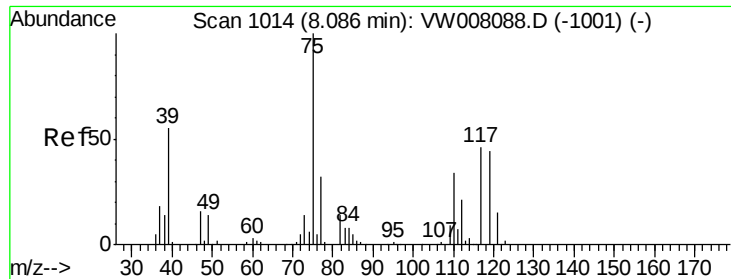
Tgt Ion:114 Resp: 125979
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.9 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 52.744 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

Tgt Ion:113 Resp: 38754
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.8 122.8
 192 17.9 12.8 19.2

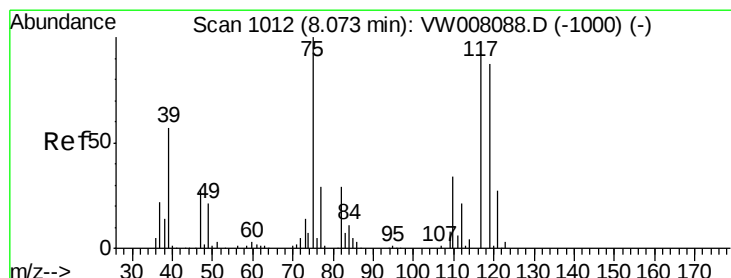
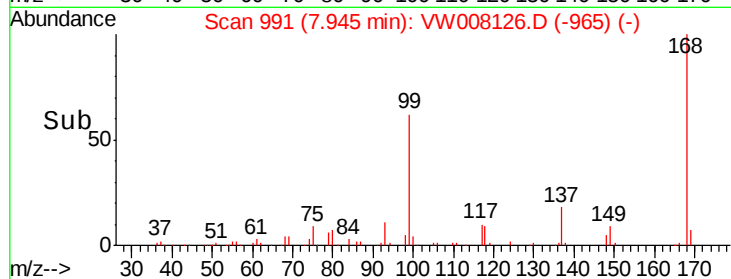
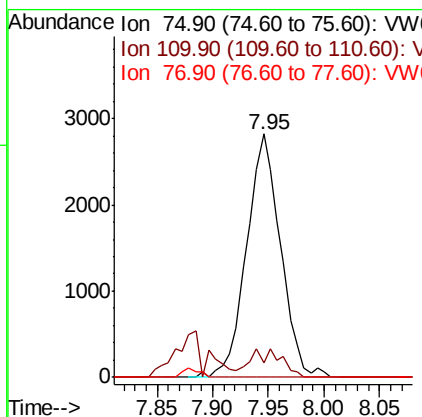
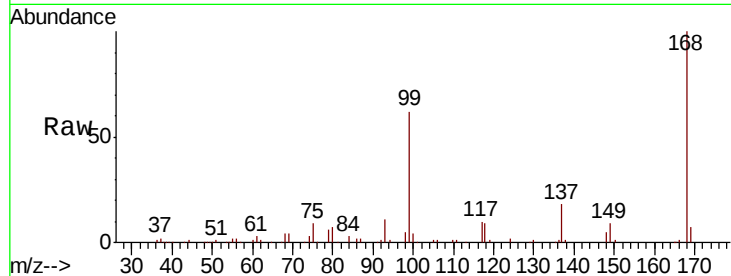




#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

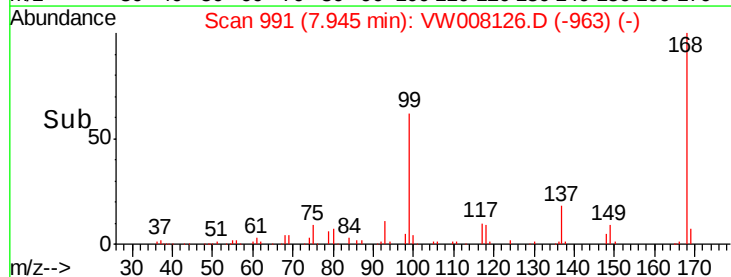
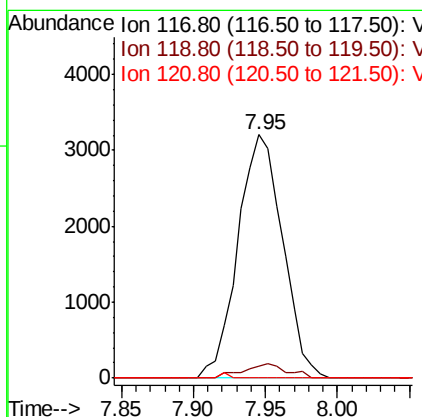
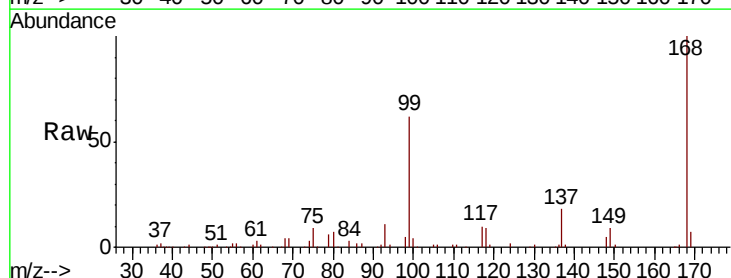
Instrument :
 MSVOA_W
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 SP-1-2

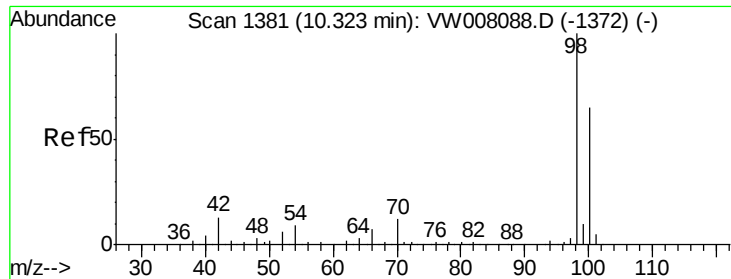
Tgt Ion: 75 Resp: 5980
 Ion Ratio Lower Upper
 75 100
 110 3.2 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.812 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

Tgt Ion: 117 Resp: 6903
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.8#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 52.243 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008126.D

Acq: 10 Jan 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

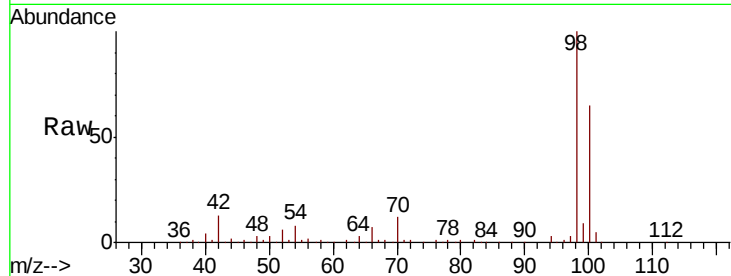
SP-1-2

Tgt Ion: 98 Resp: 161083

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

100000

80000

60000

40000

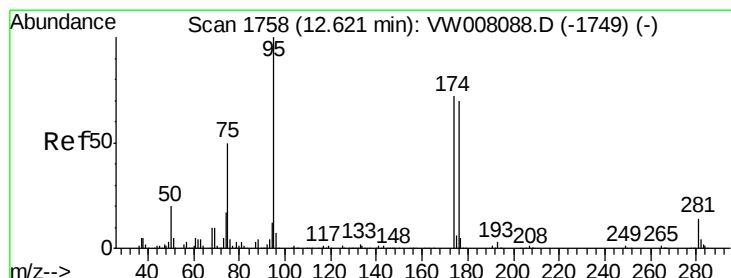
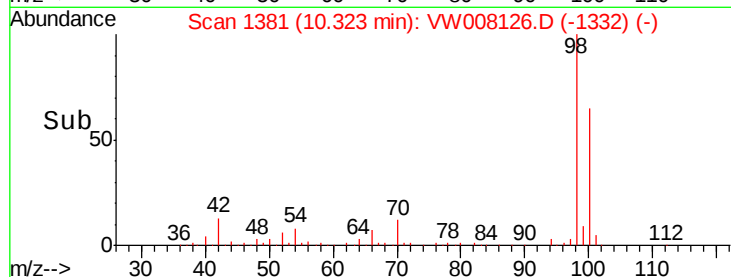
20000

0

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 48.623 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008126.D

Acq: 10 Jan 2019 03:11

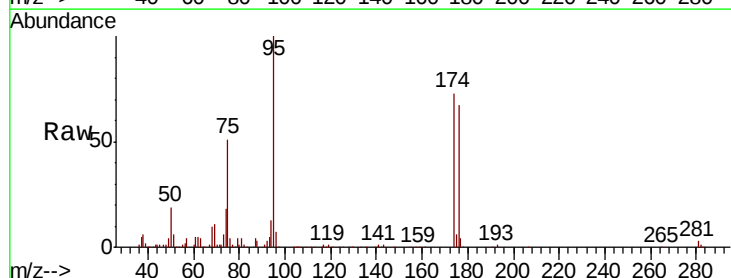
Tgt Ion: 95 Resp: 53746

Ion Ratio Lower Upper

95 100

174 72.3 0.0 143.0

176 69.8 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

30000

20000

10000

0

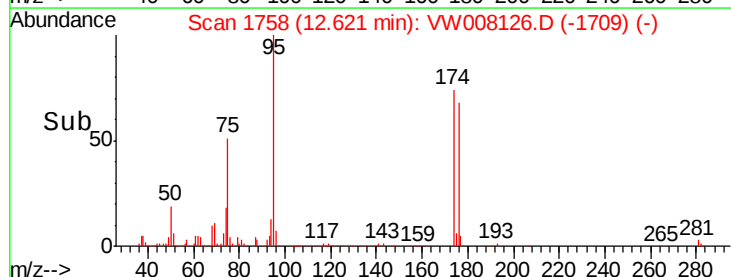
12.55

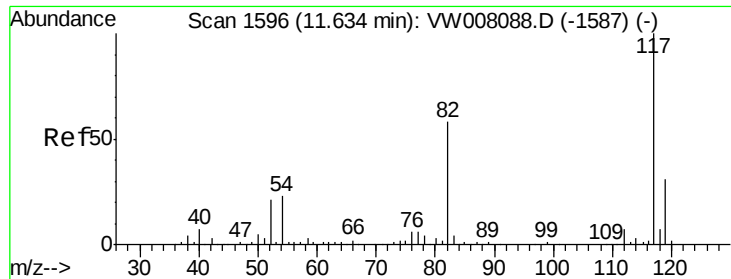
12.60

12.65

12.70

Time-->

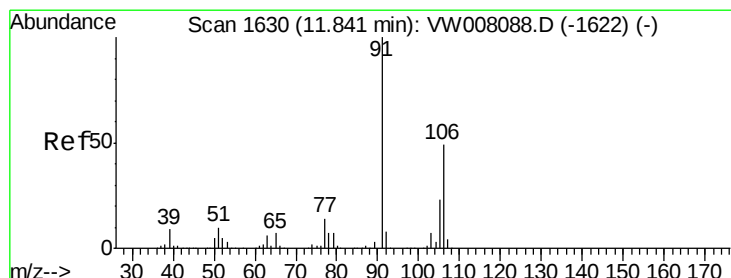
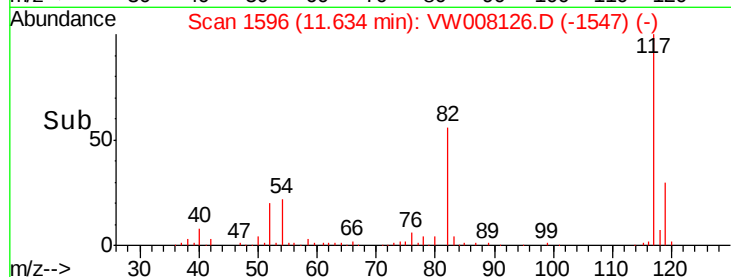
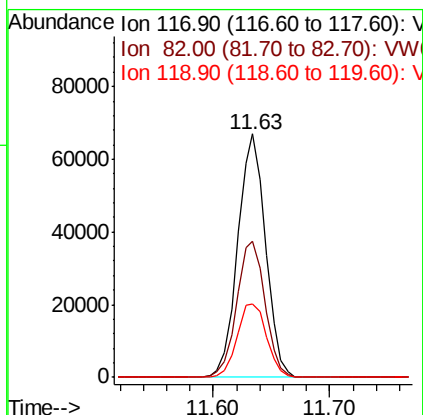
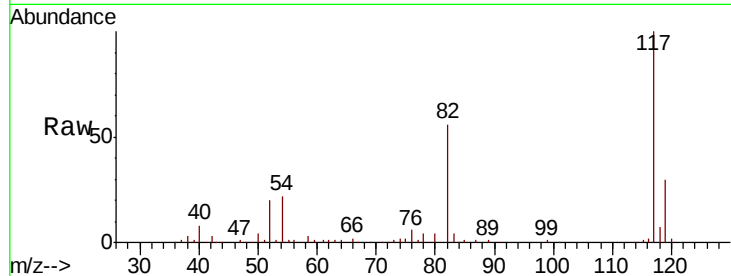




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

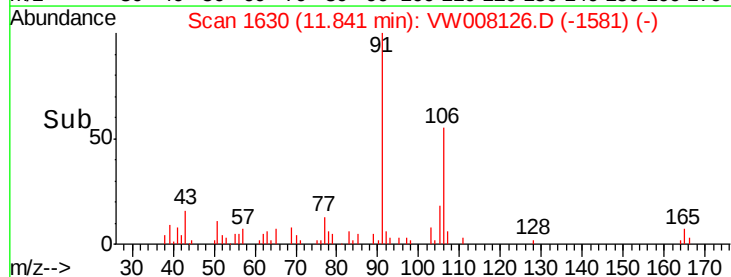
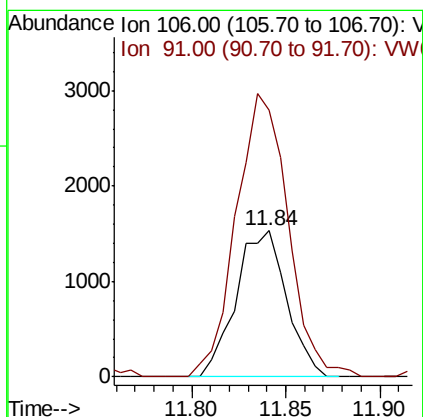
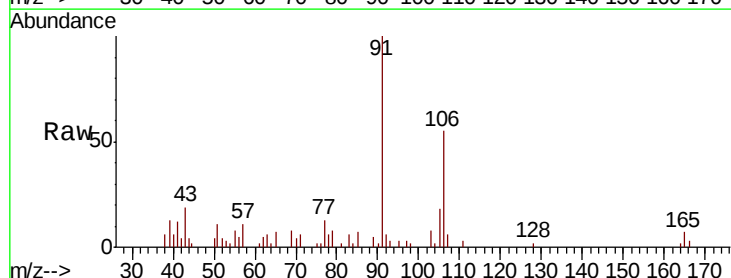
Instrument :
MSVOA_W
ClientSampled :
SP-1-2

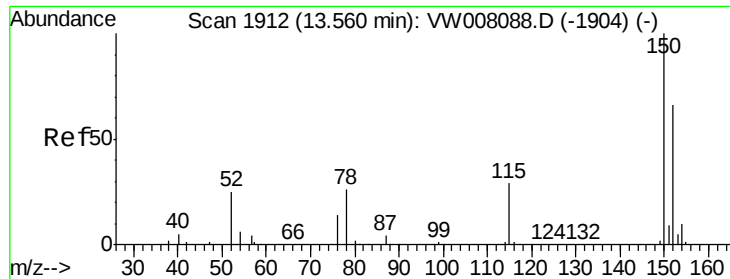
Tgt Ion:117 Resp: 111347
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 30.3 24.7 37.1



#68
m/p-Xylenes
Concen: 1.720 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008126.D
Acq: 10 Jan 2019 03:11

Tgt Ion:106 Resp: 2833
Ion Ratio Lower Upper
106 100
91 200.0 162.4 243.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008126.D

Acq: 10 Jan 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

SP-1-2

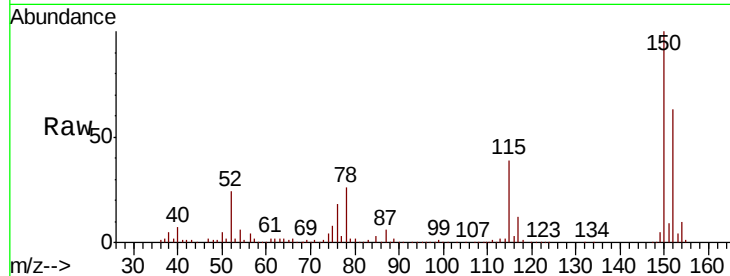
Tgt Ion:152 Resp: 50165

Ion Ratio Lower Upper

152 100

115 61.4 30.8 92.4

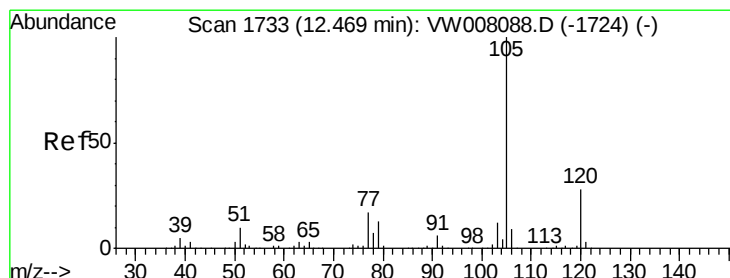
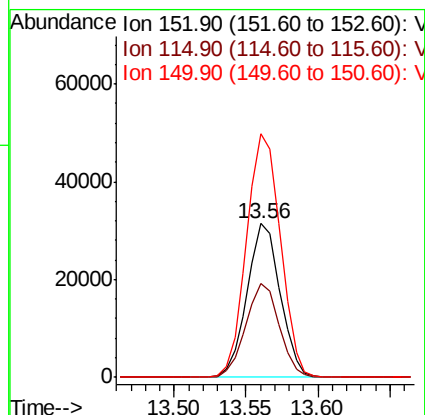
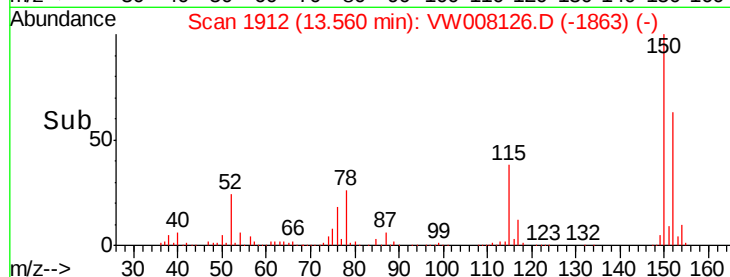
150 161.7 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.444 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008126.D

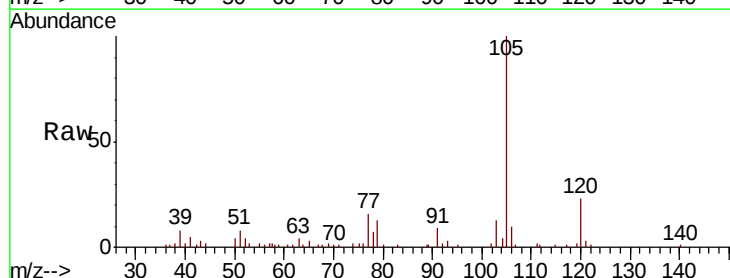
Acq: 10 Jan 2019 03:11

Tgt Ion:105 Resp: 13565

Ion Ratio Lower Upper

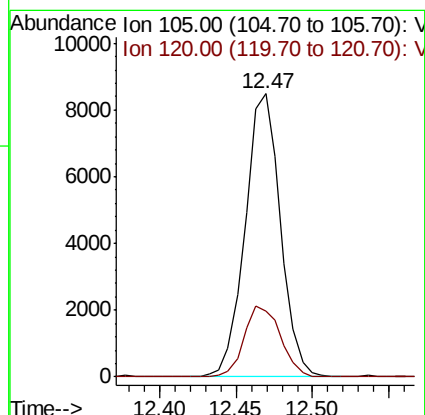
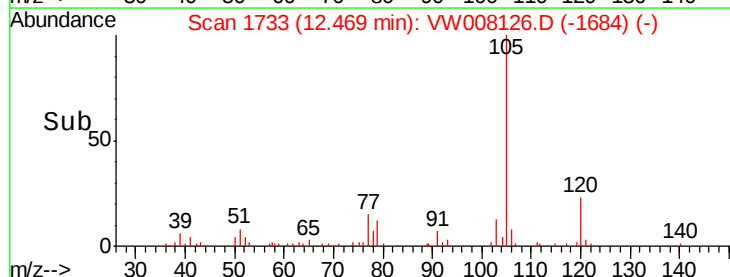
105 100

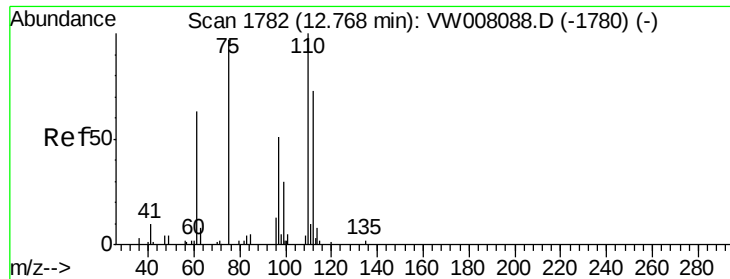
120 25.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 59.741 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008126.D

Acq: 10 Jan 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

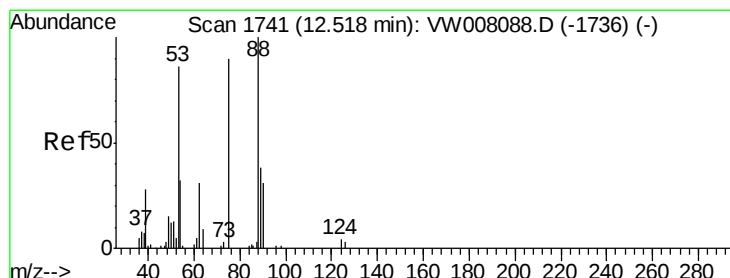
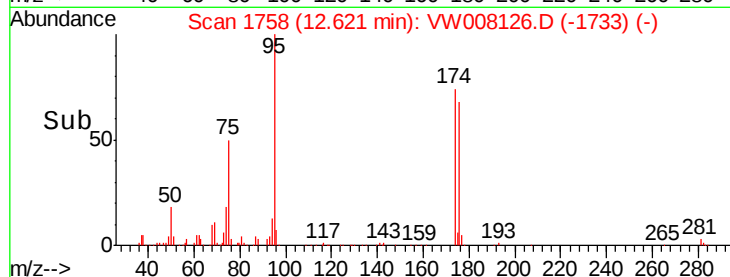
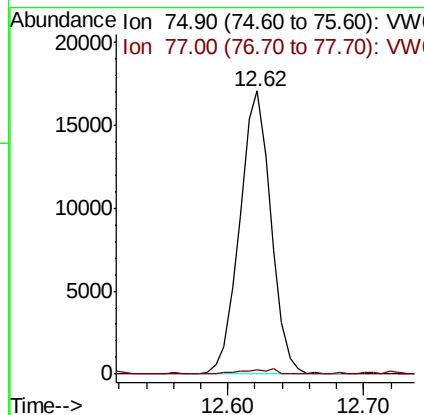
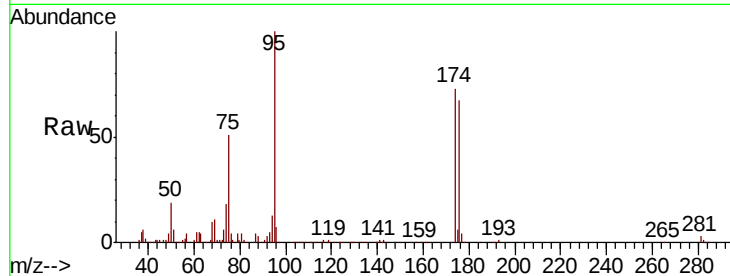
SP-1-2

Tgt Ion: 75 Resp: 27320

Ion Ratio Lower Upper

75 100

77 1.9 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.118 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008126.D

Acq: 10 Jan 2019 03:11

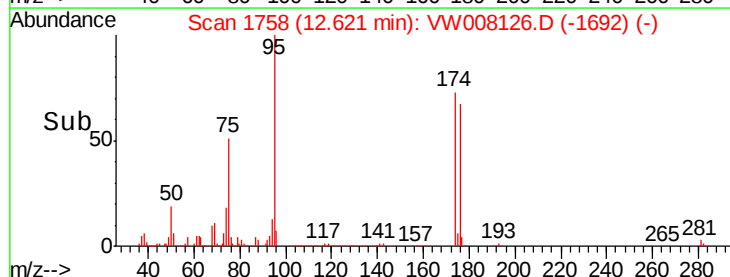
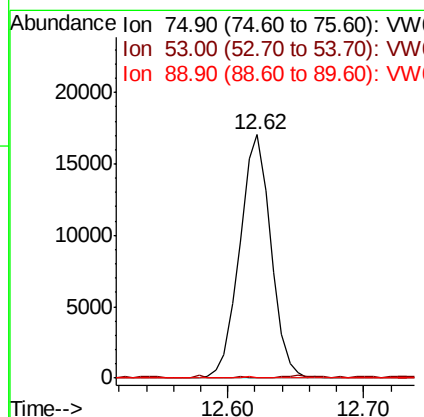
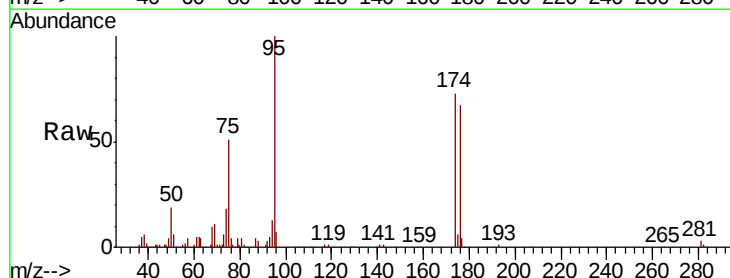
Tgt Ion: 75 Resp: 27320

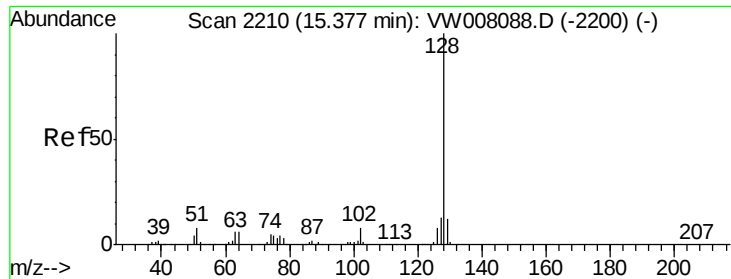
Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 35.4 53.2#

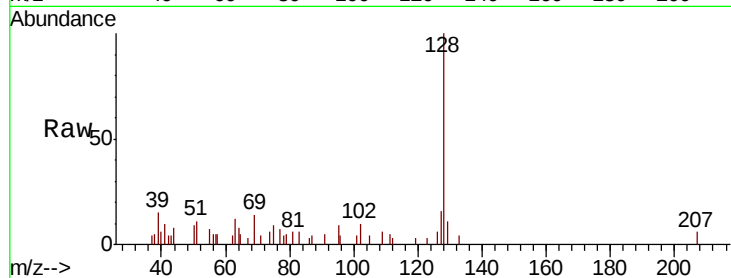




#95
 Naphthalene
 Concen: 1.838 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW008126.D
 Acq: 10 Jan 2019 03:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.4
129	15.3	9.0	13.6



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

