

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005210.D
 Acq On : 07 Sep 2018 15:42
 Operator : SY/AP
 Sample : J4748-02
 Misc : 6.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Quant Time: Sep 08 01:19:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	388065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	660982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	611901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	227774	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	206313	64.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.26%	
35) Dibromofluoromethane	7.89	113	160066	41.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.82%	
50) Toluene-d8	10.33	98	788410	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	12.63	95	228300	36.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.58%	

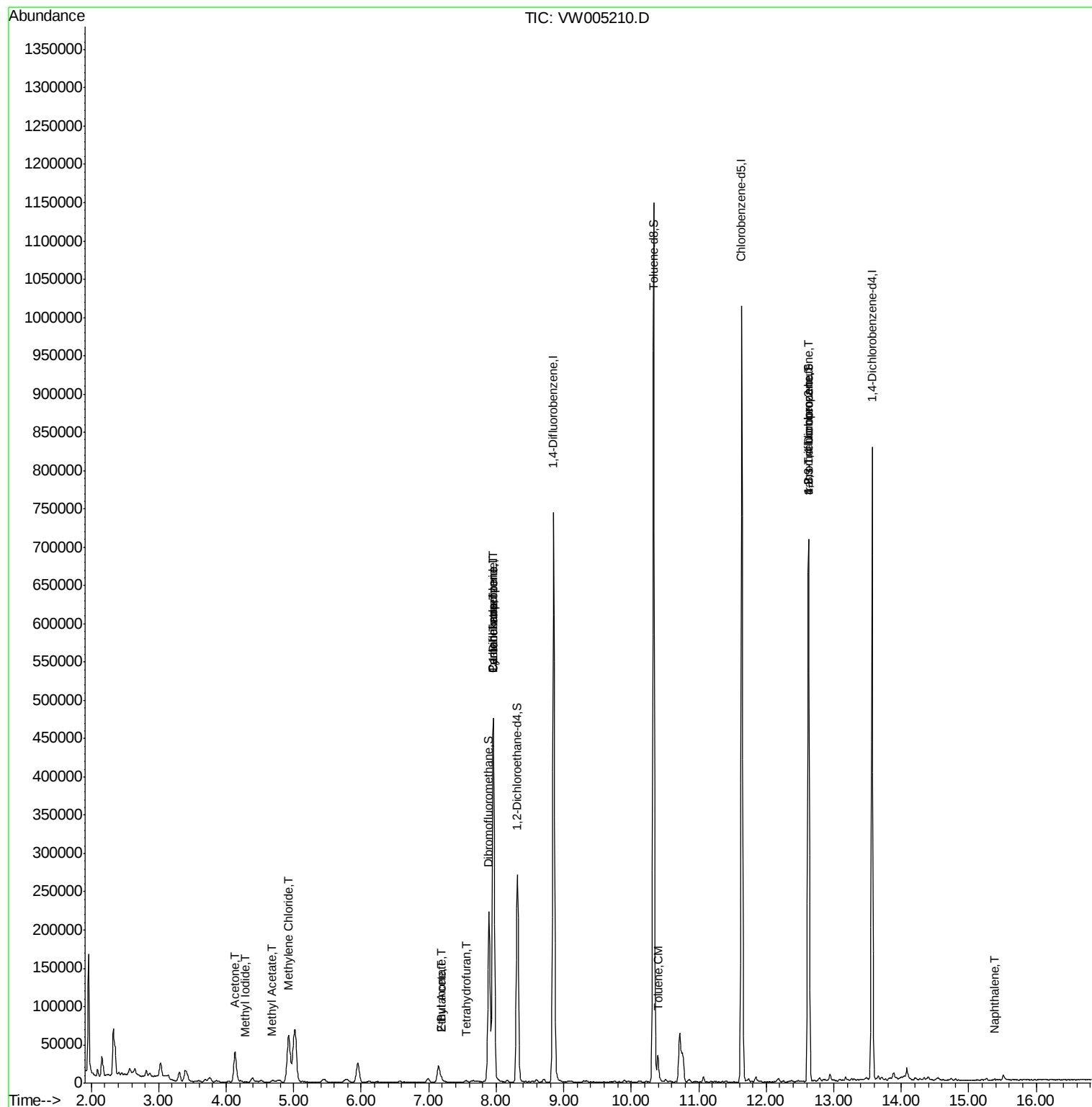
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	861	Below Cal	#	51
10) Methyl Iodide	4.27	142	92	3.835	ug/l #	44
11) Tert butyl alcohol	5.15	59	1112	Below Cal	#	72
16) Acetone	4.13	43	69121	107.141	ug/l	96
18) Methyl Acetate	4.68	43	5403	2.847	ug/l #	86
20) Methylene Chloride	4.93	84	50724	8.400	ug/l	96
25) 2-Butanone	7.19	43	8927	7.978	ug/l	96
29) Tetrahydrofuran	7.55	42	999	1.747	ug/l #	64
31) Cyclohexane	7.96	56	7141	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	26031	4.135	ug/l #	48
37) Ethyl Acetate	7.19	43	8927	3.792	ug/l #	66
38) Carbon Tetrachloride	7.96	117	33935	5.669	ug/l #	18
52) Toluene	10.40	92	13877	1.063	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	106289	62.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	106289	149.630	ug/l #	15
95) Naphthalene	15.38	128	1849	4.187	ug/l #	91

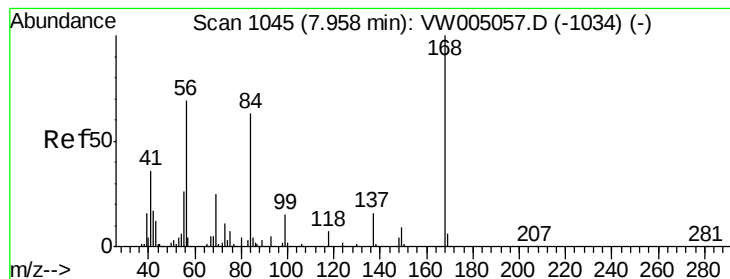
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA_W

ClientSampled :

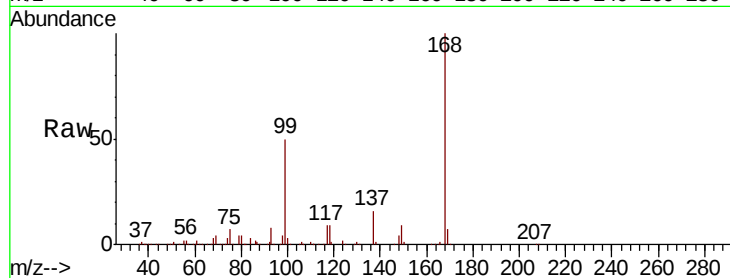
SB-10

Tgt Ion:168 Resp: 388065

Ion Ratio Lower Upper

168 100

99 50.4 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

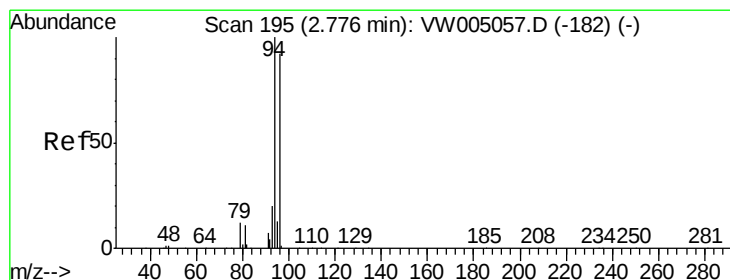
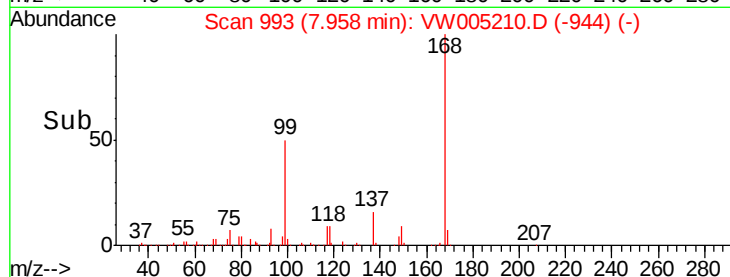
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005210.D

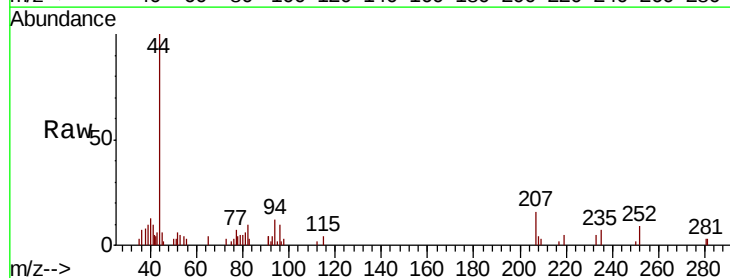
Acq: 07 Sep 2018 15:42

Tgt Ion: 94 Resp: 861

Ion Ratio Lower Upper

94 100

96 44.4 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

400

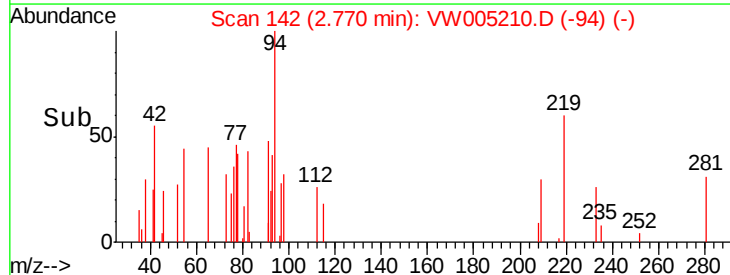
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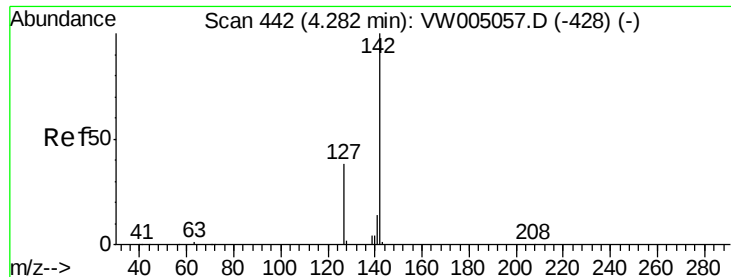
200

100

0

Time-->

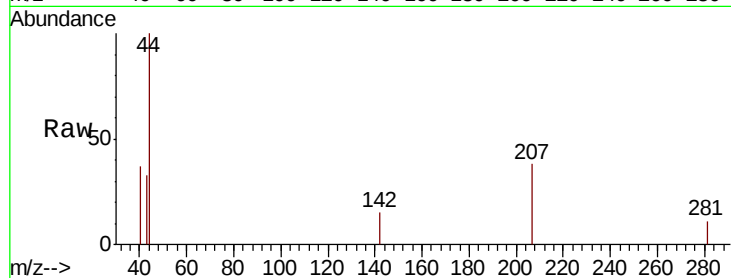




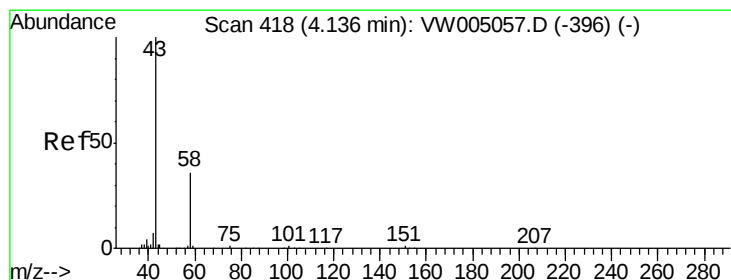
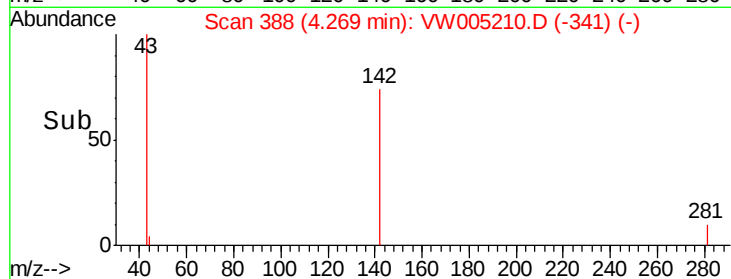
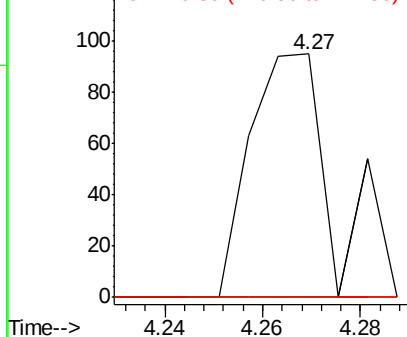
#10
Methyl Iodide
Concen: 3.835 ug/l
RT: 4.27 min Scan# 388
Delta R.T. -0.01 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Instrument :
MSVOA_W
ClientSampled :
SB-10

Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 30.8 46.2#
141 0.0 11.6 17.4#

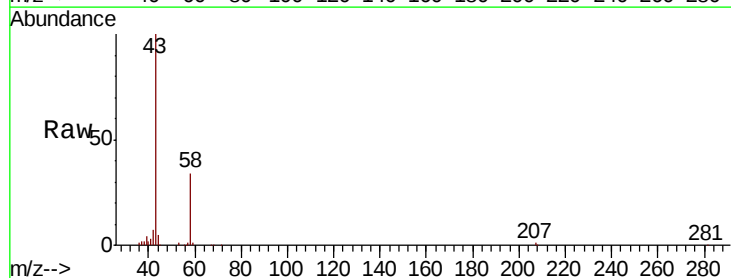


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

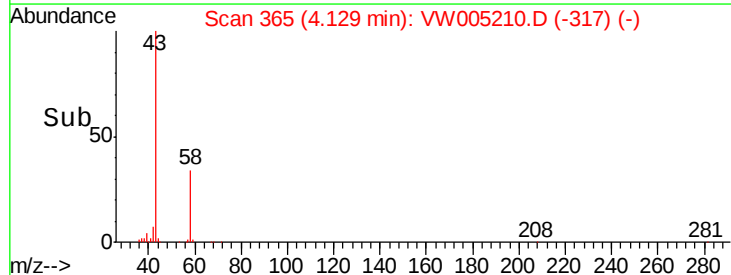
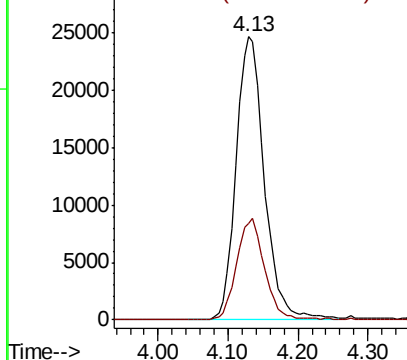


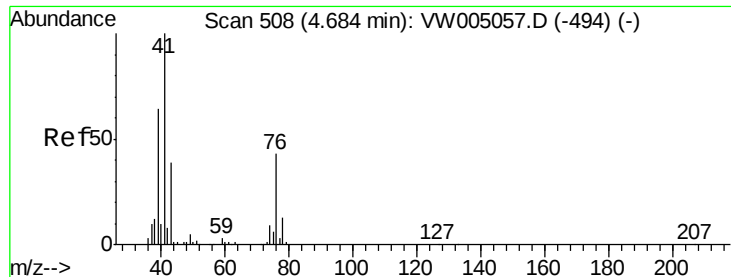
#16
Acetone
Concen: 107.141 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Tgt Ion: 43 Resp: 69121
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6



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

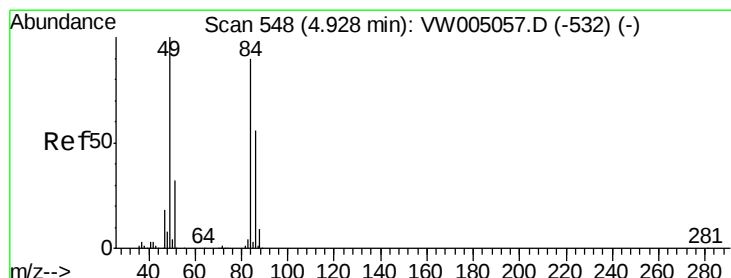
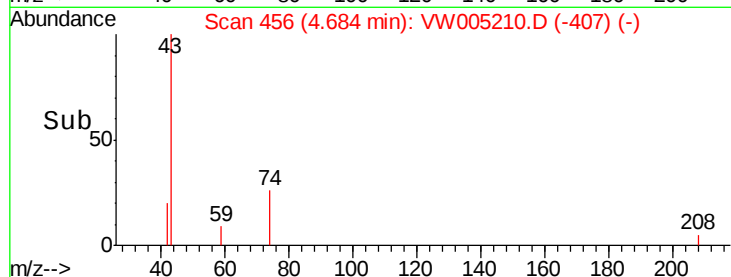
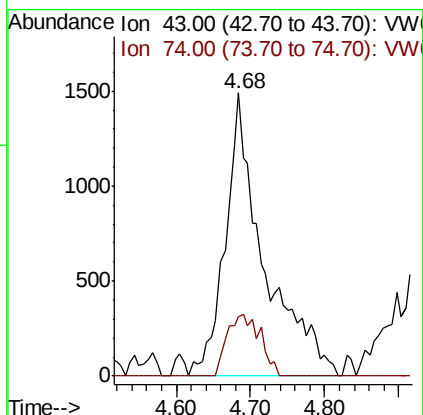
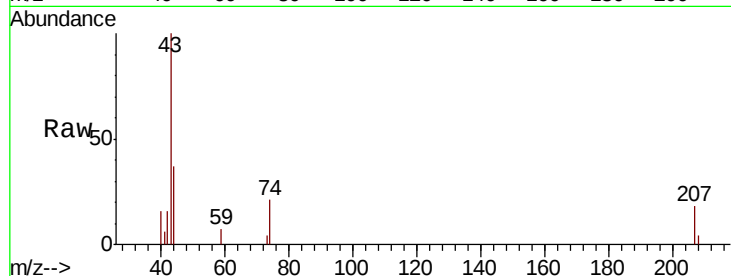




#18
Methyl Acetate
Concen: 2.847 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

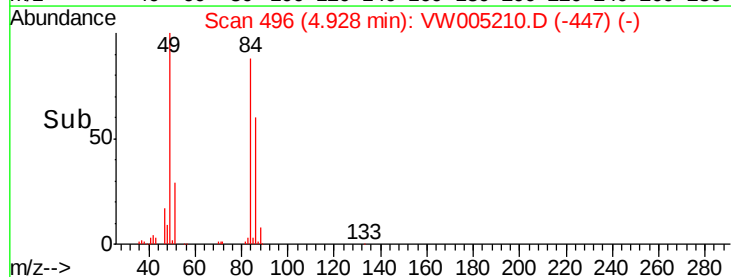
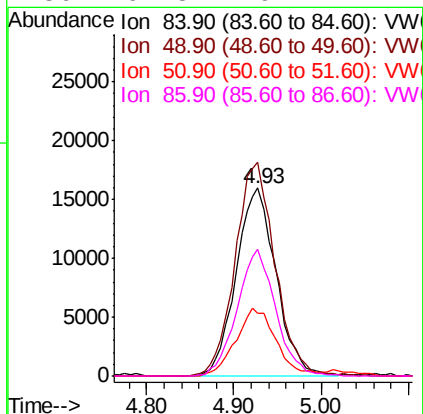
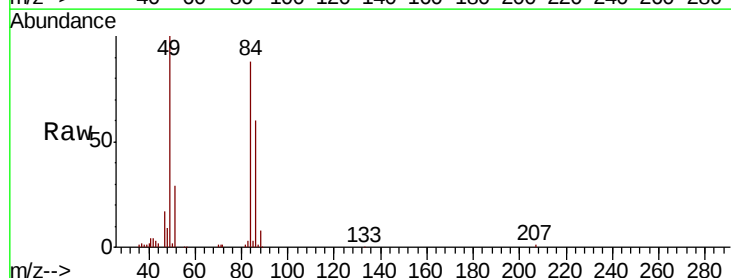
Instrument :
MSVOA_W
ClientSampleId :
SB-10

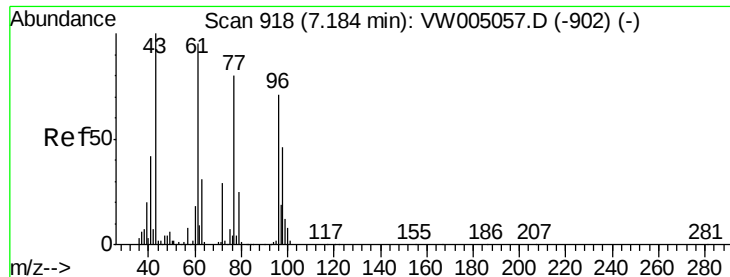
Tgt Ion: 43 Resp: 5403
Ion Ratio Lower Upper
43 100
74 18.7 20.7 31.1#



#20
Methylene Chloride
Concen: 8.400 ug/l
RT: 4.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Tgt Ion: 84 Resp: 50724
Ion Ratio Lower Upper
84 100
49 113.7 88.7 133.1
51 33.3 28.6 42.8
86 67.8 49.4 74.2





#25

2-Butanone

Concen: 7.978 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA_W

ClientSampled :

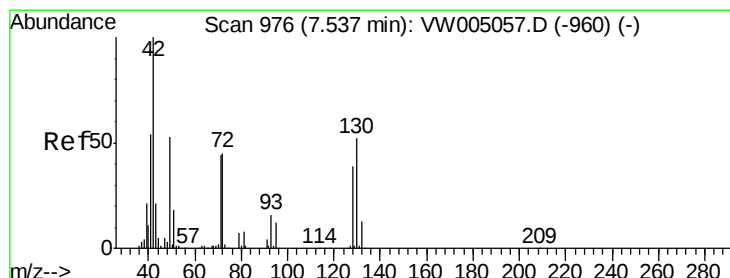
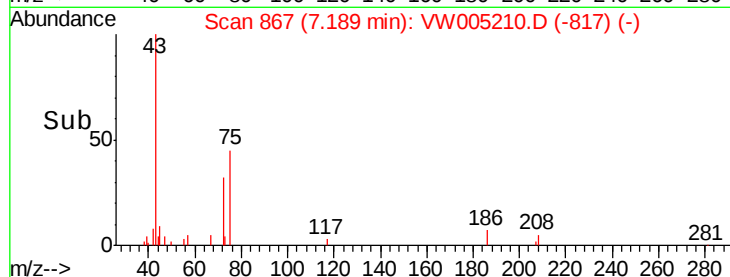
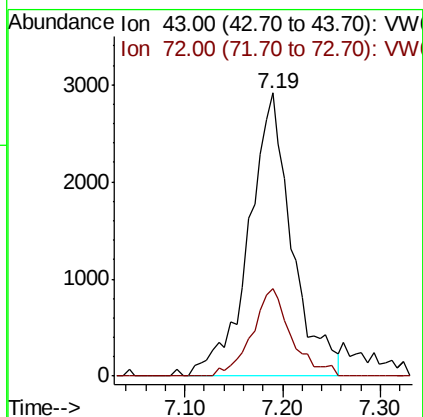
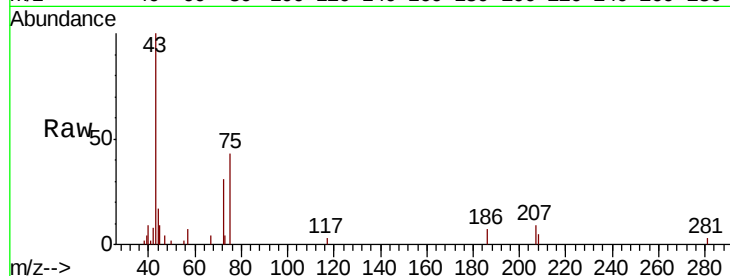
SB-10

Tgt Ion: 43 Resp: 8927

Ion Ratio Lower Upper

43 100

72 31.1 23.1 34.7



#29

Tetrahydrofuran

Concen: 1.747 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

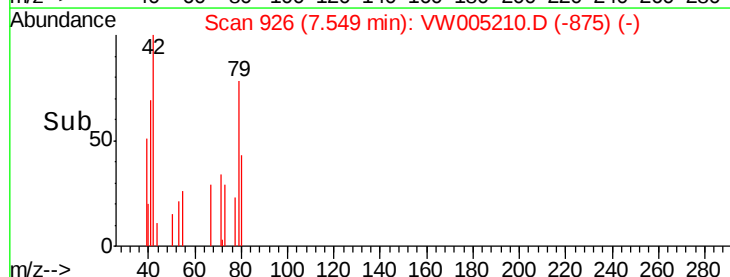
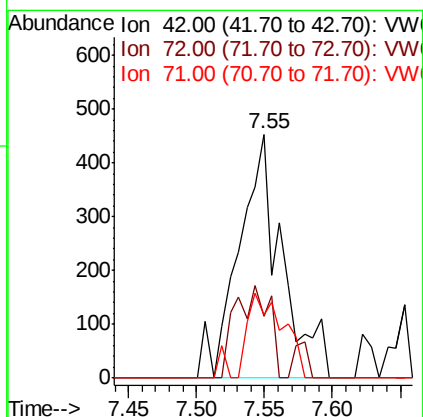
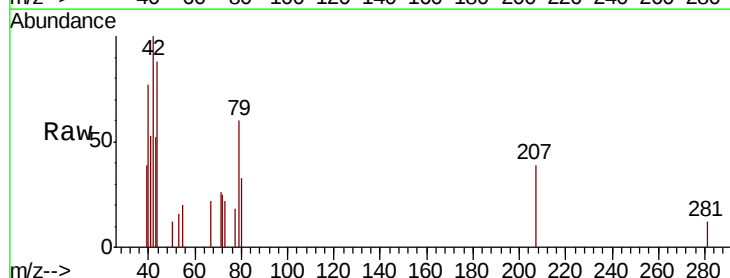
Tgt Ion: 42 Resp: 999

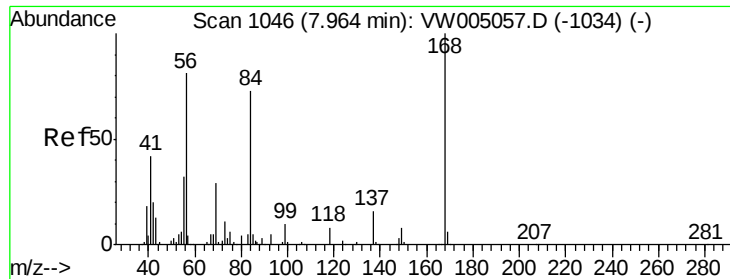
Ion Ratio Lower Upper

42 100

72 14.0 37.0 55.4#

71 28.7 35.0 52.6#

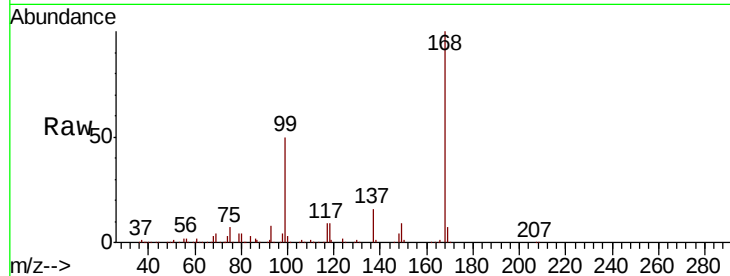




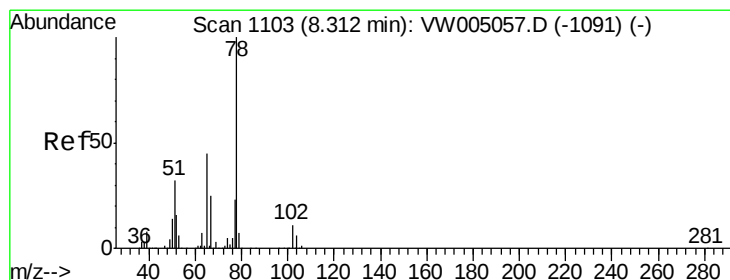
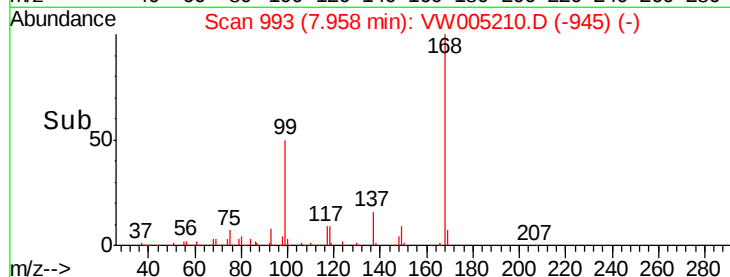
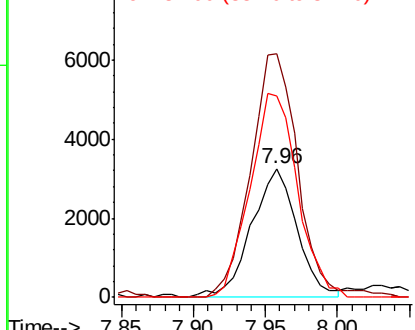
#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Instrument :
MSVOA_W
ClientSampleId :
SB-10

Tgt Ion: 56 Resp: 7141
Ion Ratio Lower Upper
56 100
69 189.4 28.2 42.2#
84 156.6 71.8 107.8#

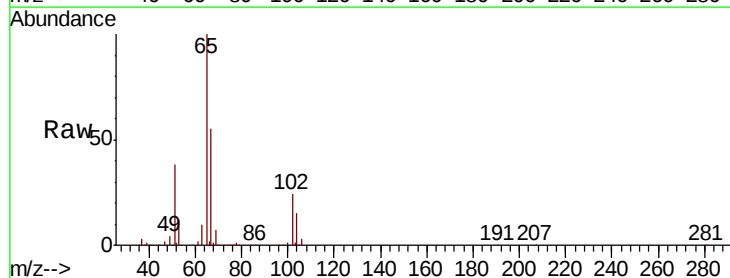


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

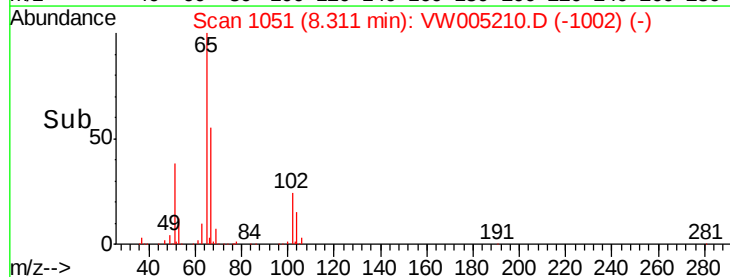
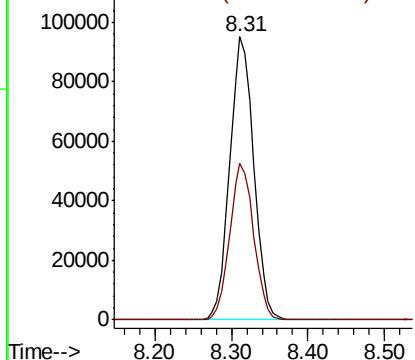


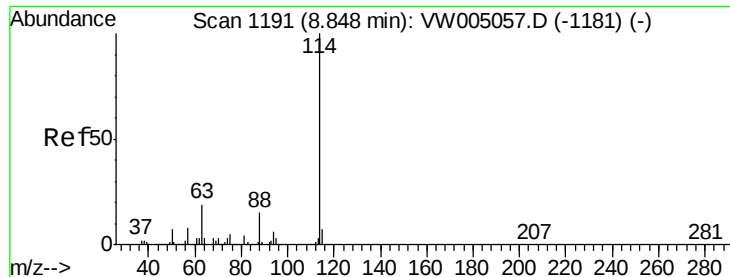
#33
1,2-Dichloroethane-d4
Concen: 64.134 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Tgt Ion: 65 Resp: 206313
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.4



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

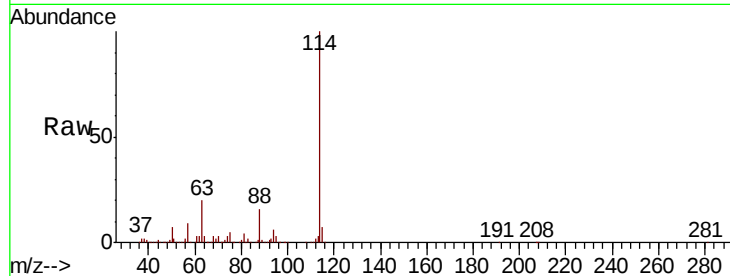




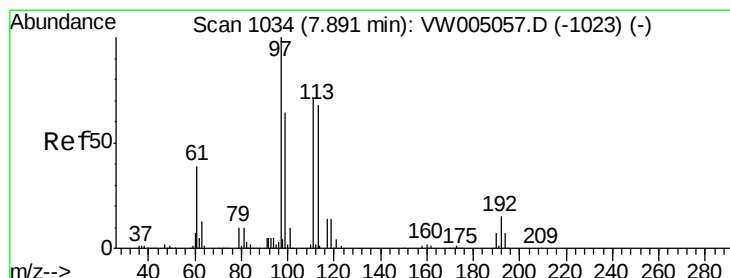
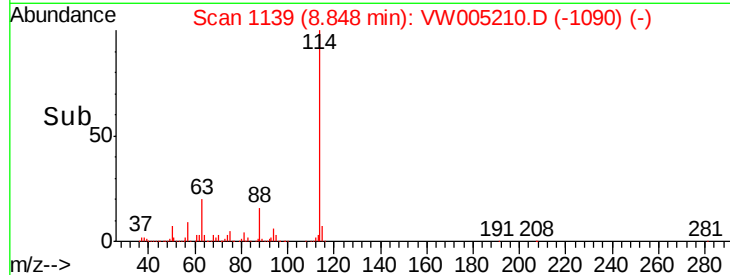
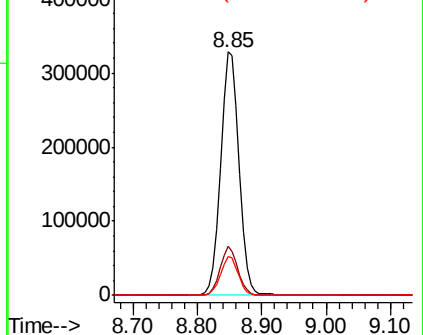
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005210.D
 Acq: 07 Sep 2018 15:42

Instrument :
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Tgt Ion:114 Resp: 660982
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 15.9 0.0 30.2

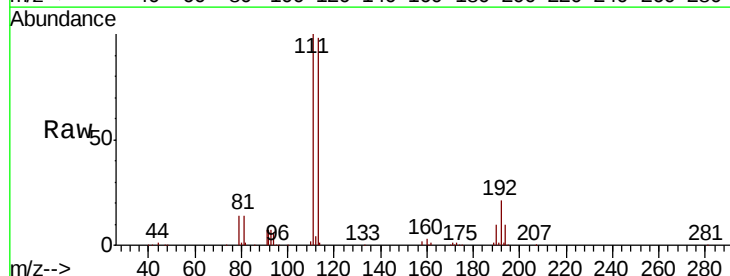


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

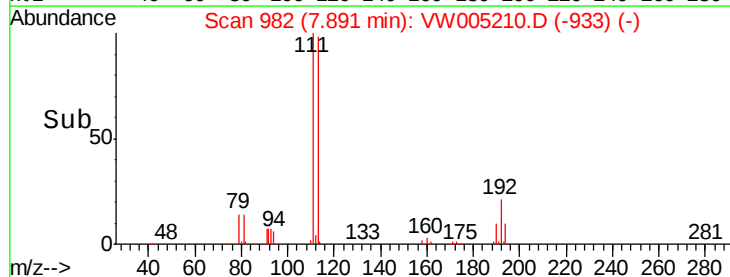
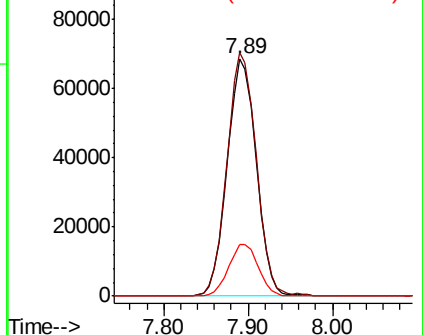


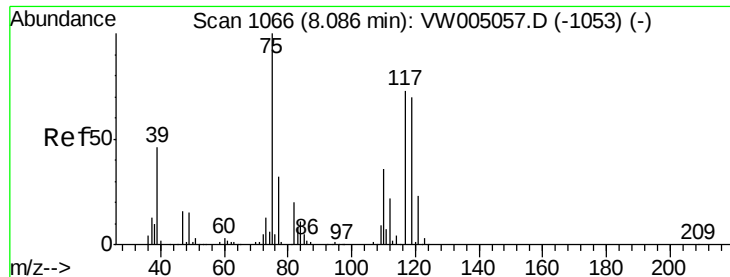
#35
 Dibromofluoromethane
 Concen: 41.905 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005210.D
 Acq: 07 Sep 2018 15:42

Tgt Ion:113 Resp: 160066
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 22.1 18.1 27.1



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

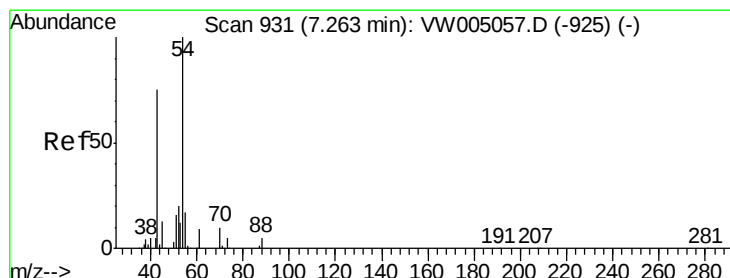
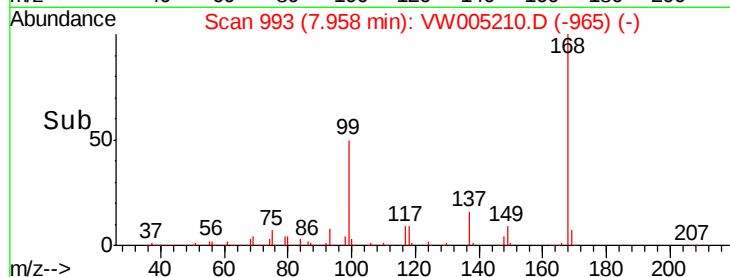
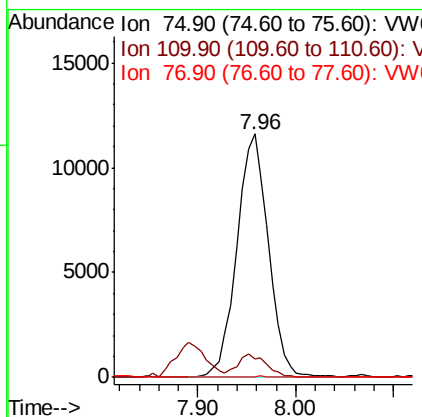
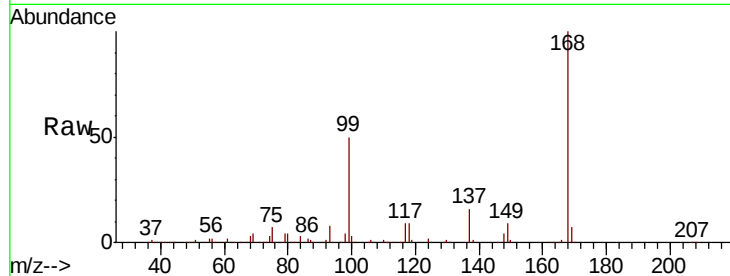




#36
 1,1-Dichloropropene
 Concen: 4.135 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005210.D
 Acq: 07 Sep 2018 15:42

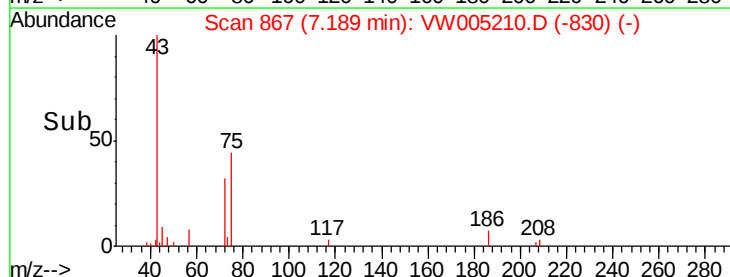
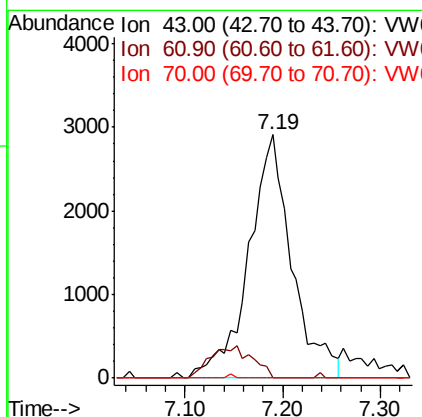
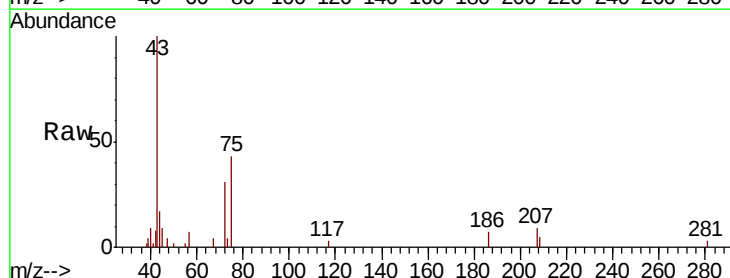
Instrument :
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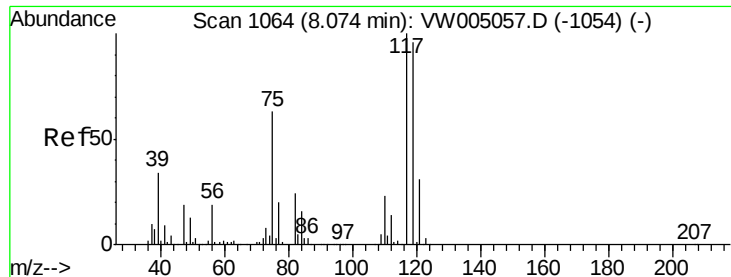
Tgt Ion: 75 Resp: 26031
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.9 56.7#
 77 0.0 25.5 38.3#



#37
 Ethyl Acetate
 Concen: 3.792 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005210.D
 Acq: 07 Sep 2018 15:42

Tgt Ion: 43 Resp: 8927
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 5.669 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA_W

ClientSampled :

SB-10

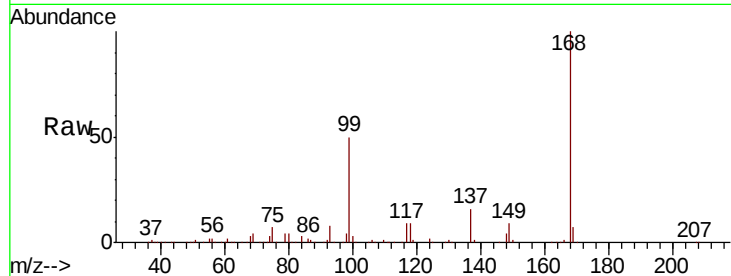
Tgt Ion:117 Resp: 33935

Ion Ratio Lower Upper

117 100

119 7.8 76.6 115.0#

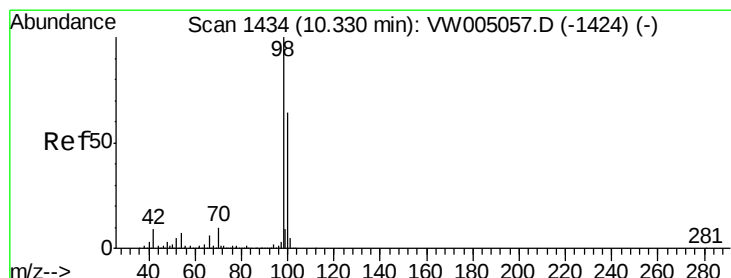
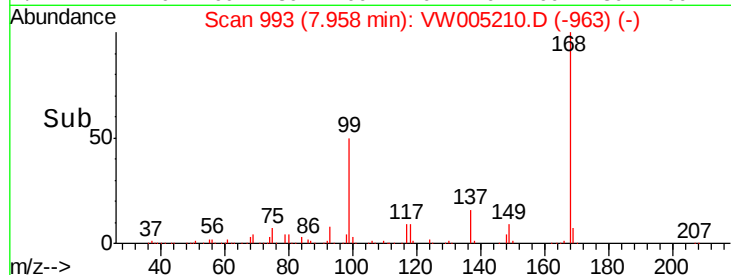
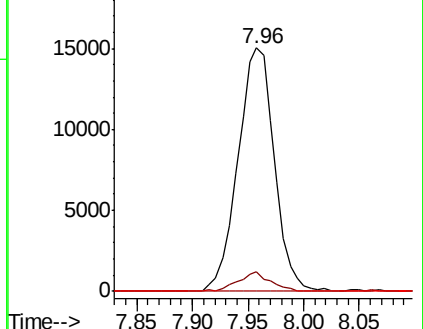
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 44.795 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005210.D

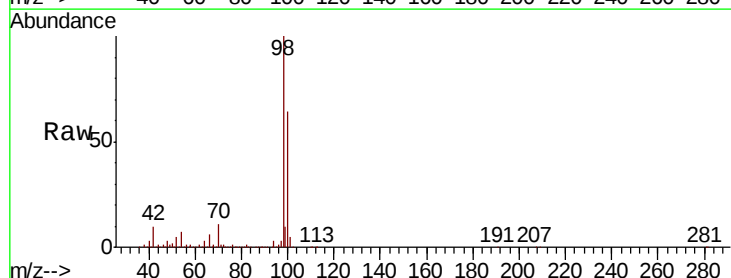
Acq: 07 Sep 2018 15:42

Tgt Ion: 98 Resp: 788410

Ion Ratio Lower Upper

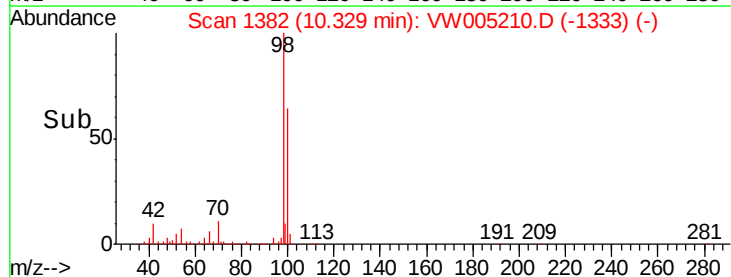
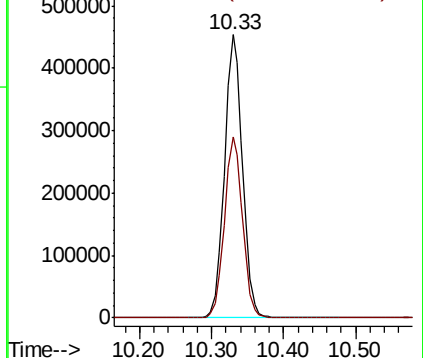
98 100

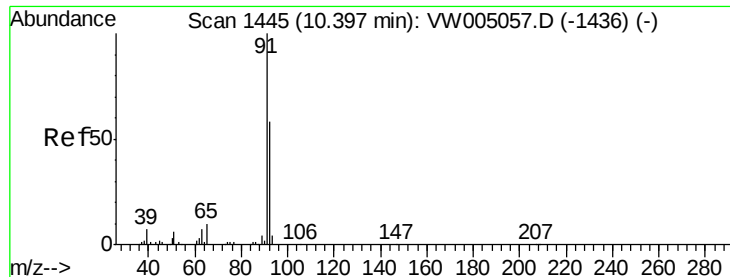
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.063 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA_W

ClientSampleId :

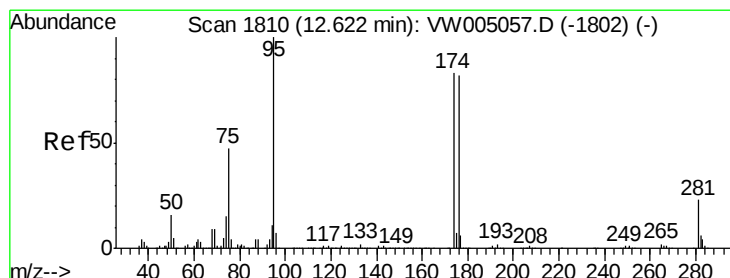
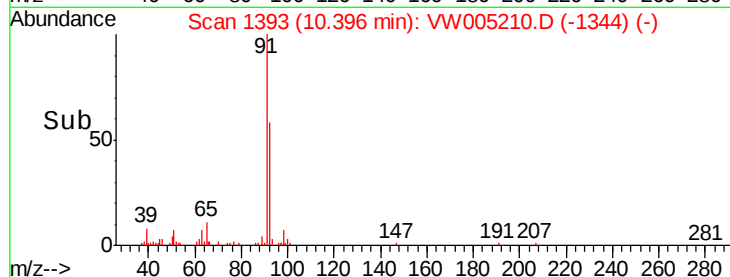
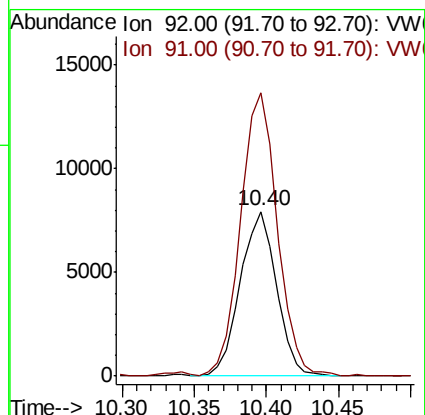
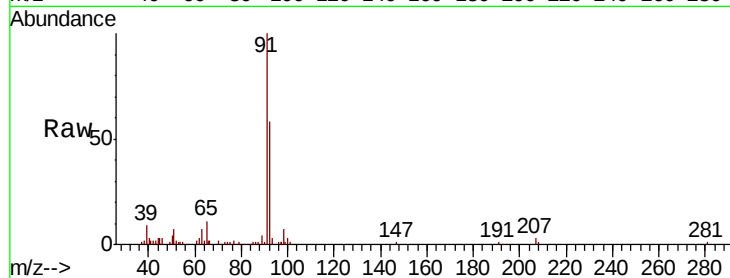
SB-10

Tgt Ion: 92 Resp: 13877

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 36.786 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

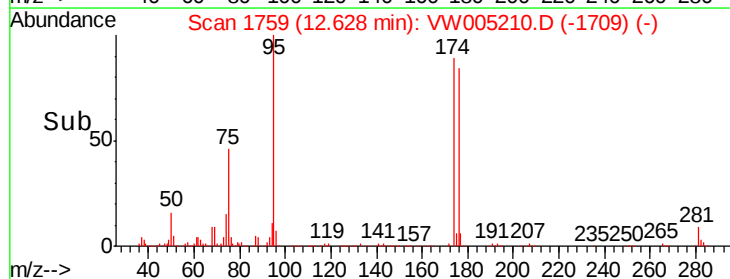
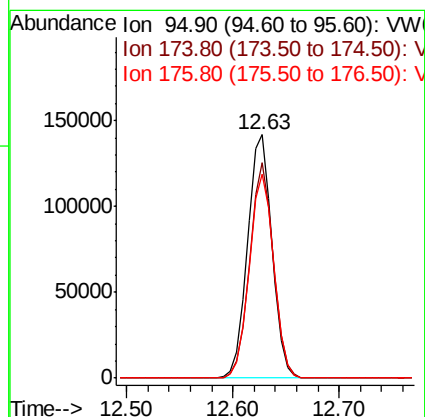
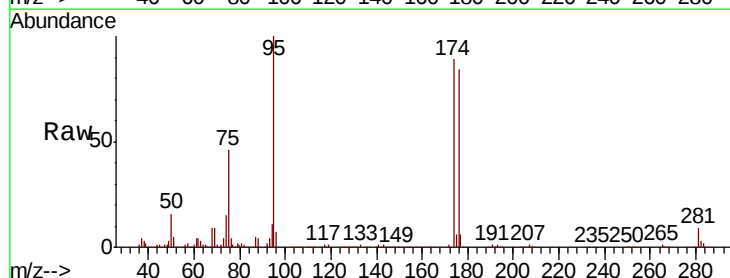
Tgt Ion: 95 Resp: 228300

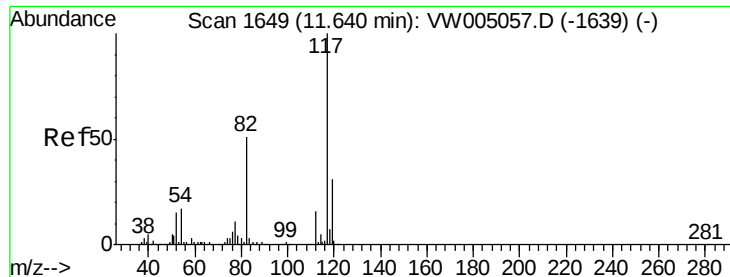
Ion Ratio Lower Upper

95 100

174 85.5 0.0 173.4

176 84.1 0.0 167.4

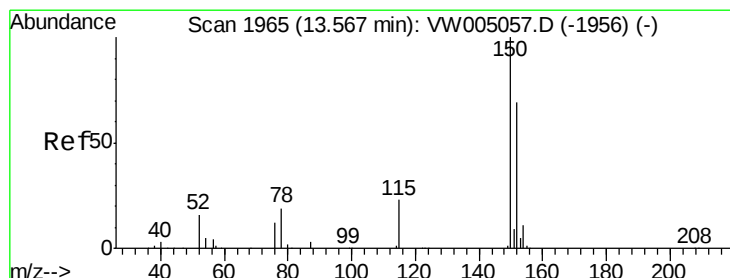
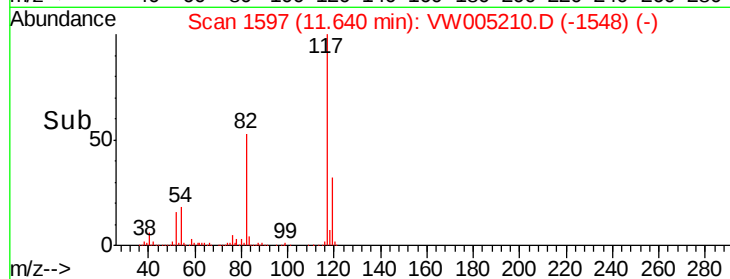
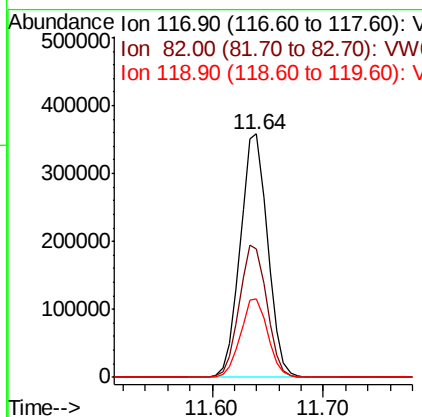
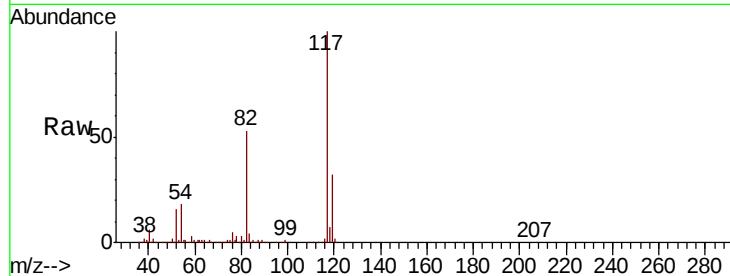




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

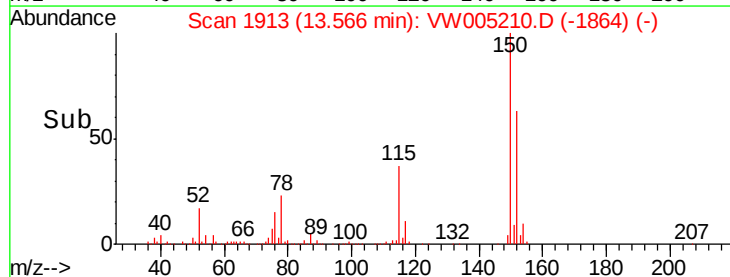
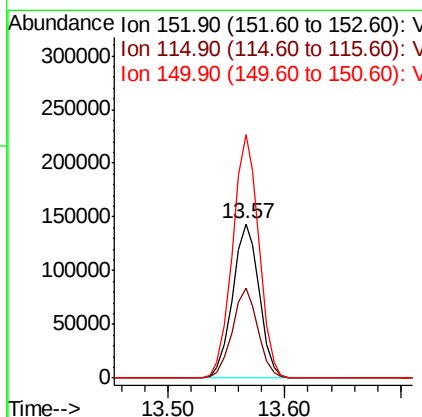
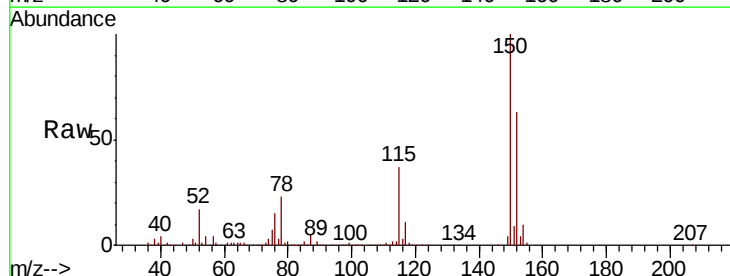
Instrument :
MSVOA_W
ClientSampleId :
SB-10

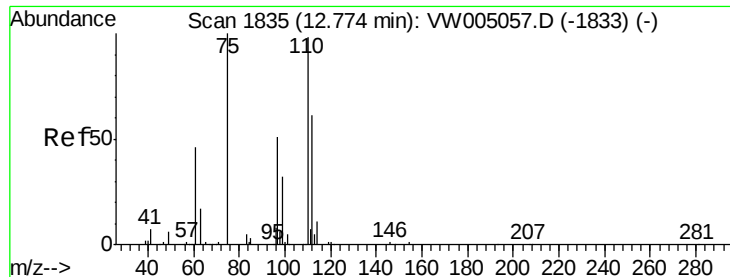
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	40.9	61.3
119	32.3	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.4
150	156.1	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 62.167 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA_W

ClientSampleId :

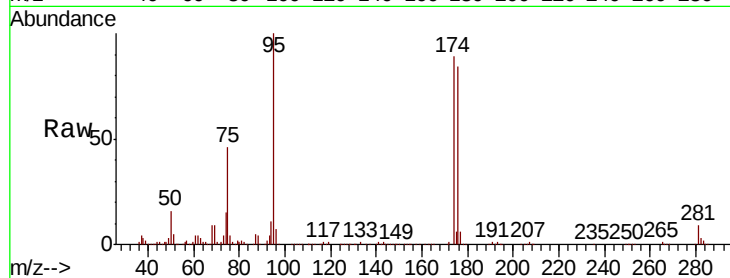
SB-10

Tgt Ion: 75 Resp: 106289

Ion Ratio Lower Upper

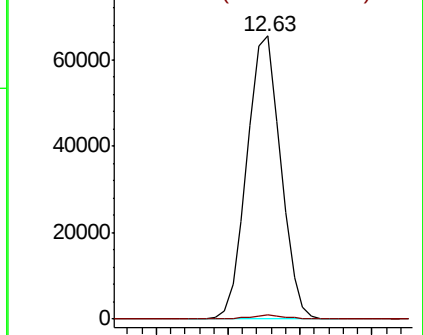
75 100

77 1.5 0.0 0.0#

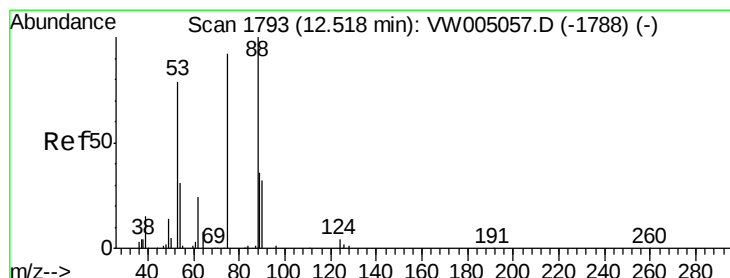
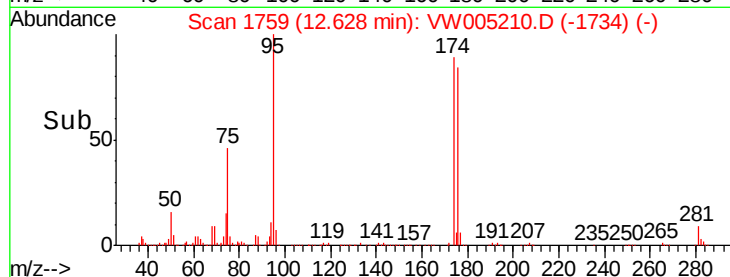


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 149.630 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

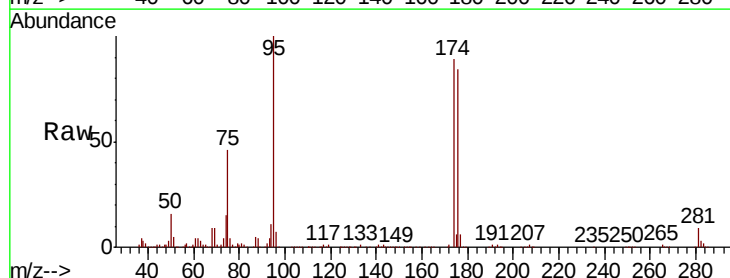
Tgt Ion: 75 Resp: 106289

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

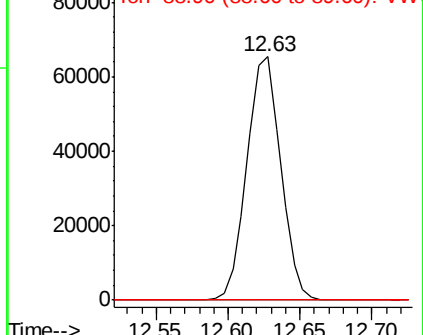
89 0.1 36.0 54.0#



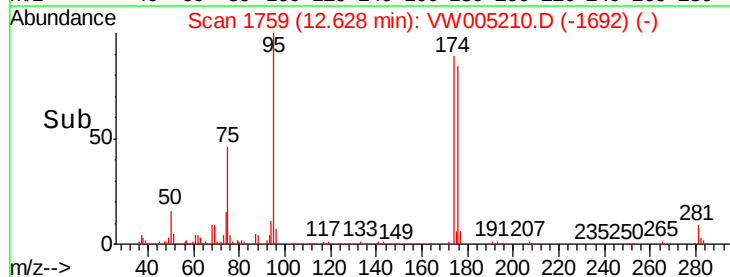
Abundance Ion 74.90 (74.60 to 75.60): VW

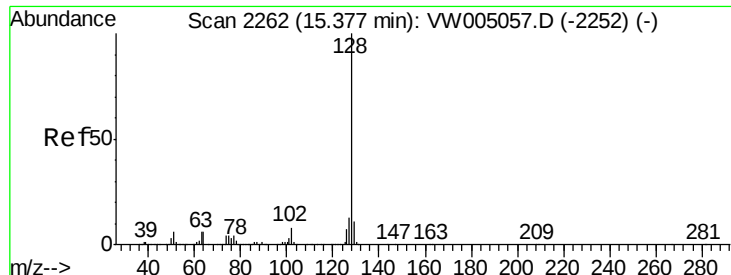
Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



Time-->

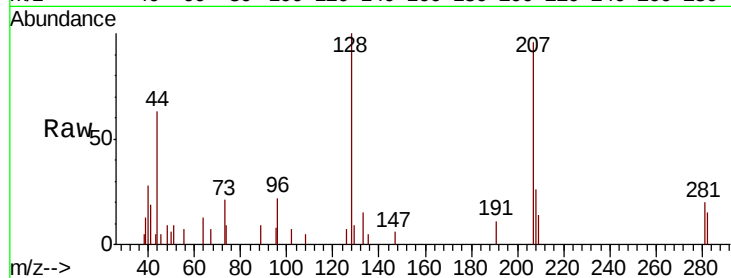




#95
Naphthalene
Concen: 4.187 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW005210.D
Acq: 07 Sep 2018 15:42

Instrument :
MSVOA_W
ClientSampleId :
SB-10

Tgt Ion:128 Resp: 1849
Ion Ratio Lower Upper
128 100
127 11.0 10.4 15.6
129 5.7 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

