

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006489.D
 Acq On : 30 Oct 2018 08:20
 Operator : SY/AP
 Sample : J5691-04
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Quant Time: Oct 30 08:48:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	326159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	111942	63.50	ug/l	0.00
Spiked Amount			Recovery	=	127.00%	
35) Dibromofluoromethane	7.89	113	109686	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	
50) Toluene-d8	10.33	98	386206	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	125474	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

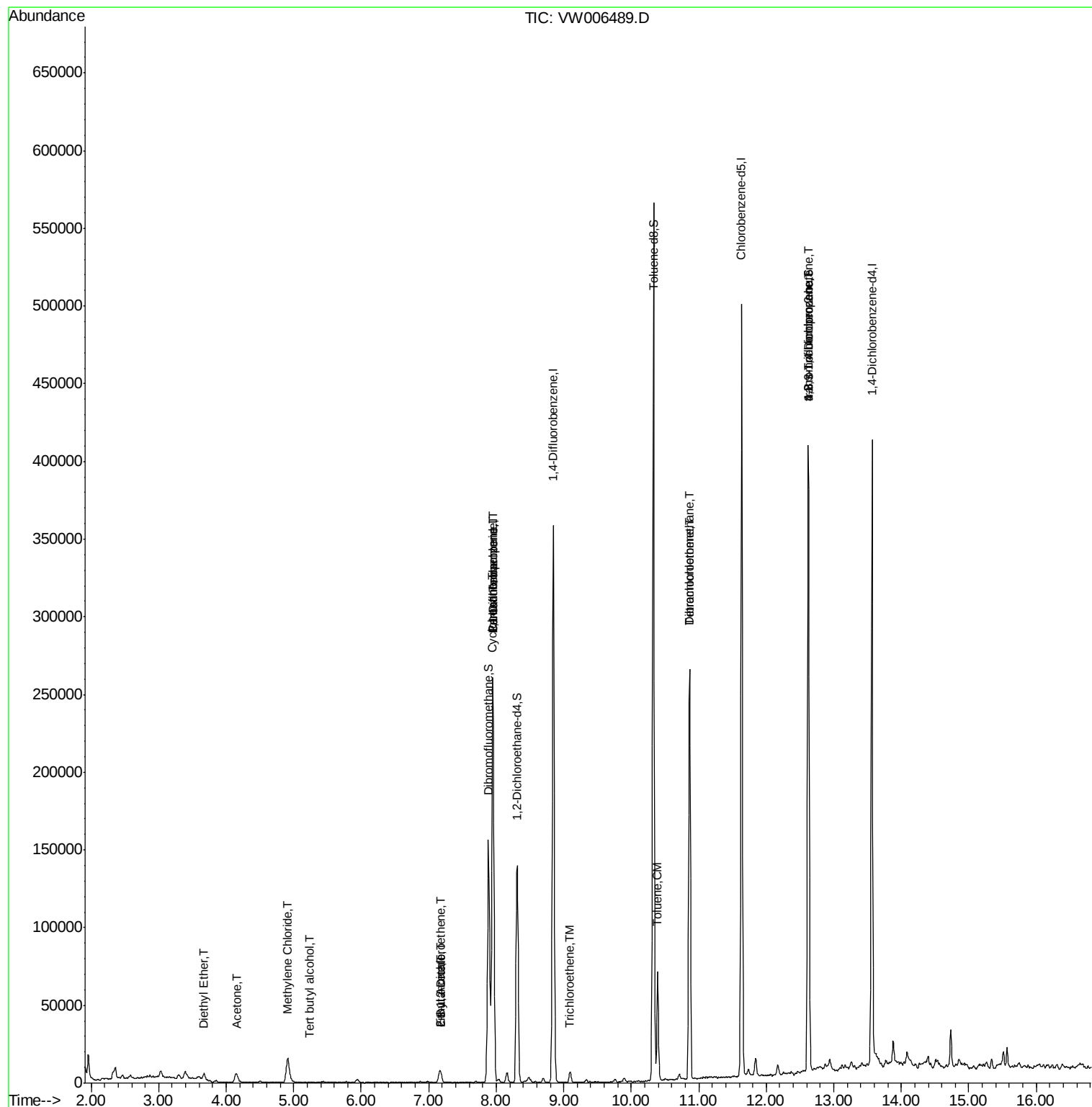
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2350	2.454	ug/l	86
11) Tert butyl alcohol	5.23	59	358	3.020	ug/l #	71
16) Acetone	4.15	43	12363	23.998	ug/l	98
20) Methylene Chloride	4.91	84	13326	5.702	ug/l	90
25) 2-Butanone	7.18	43	1978	4.153	ug/l	94
27) cis-1,2-Dichloroethene	7.18	96	2755	1.259	ug/l	91
31) Cyclohexane	7.94	56	4958	1.537	ug/l #	56
36) 1,1-Dichloropropene	7.95	75	13167	4.380	ug/l #	48
37) Ethyl Acetate	7.18	43	1978	1.771	ug/l #	1
38) Carbon Tetrachloride	7.95	117	18224	5.530	ug/l #	16
44) Trichloroethene	9.09	130	2639	1.043	ug/l	99
52) Toluene	10.39	92	30203	5.463	ug/l	99
60) Dibromochloromethane	10.87	129	50271	25.643	ug/l #	11
64) Tetrachloroethene	10.87	164	64363	28.897	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	61502	69.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61502	165.528	ug/l #	10

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampled :

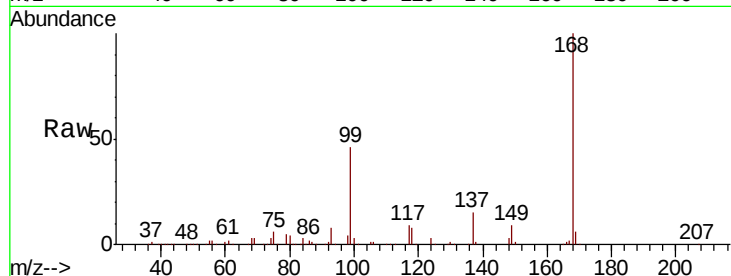
SB-10

Tot Ion:168 Resp: 212636

Ion Ratio Lower Upper

168 100

99 45.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

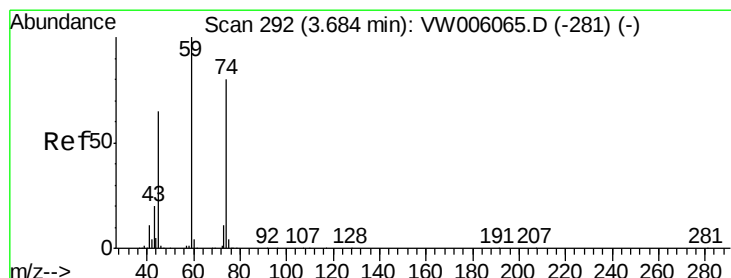
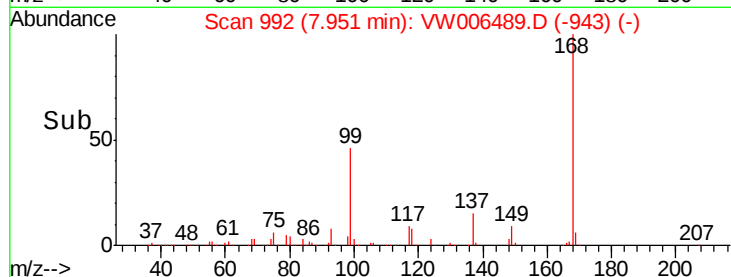
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.454 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006489.D

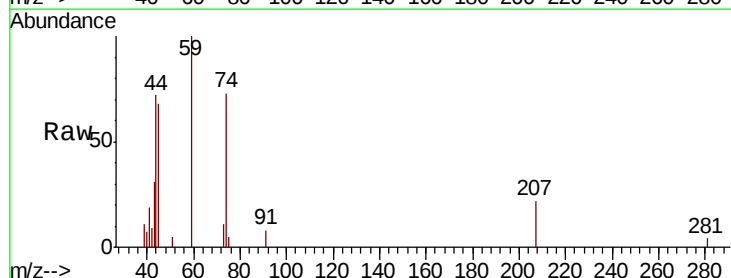
Acq: 30 Oct 2018 08:20

Tgt Ion: 74 Resp: 2350

Ion Ratio Lower Upper

74 100

45 98.3 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

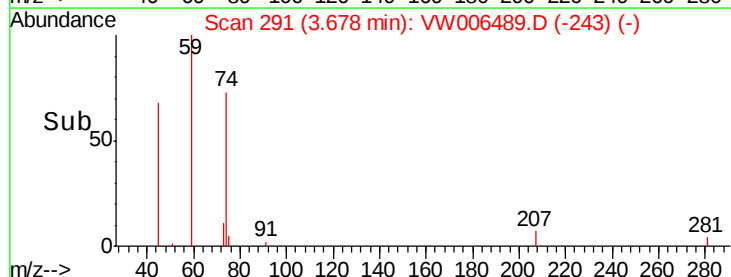
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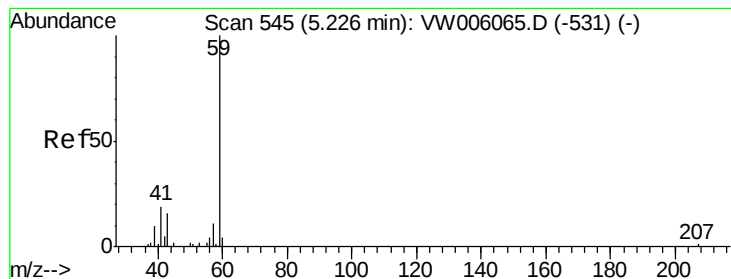
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 3.020 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampled :

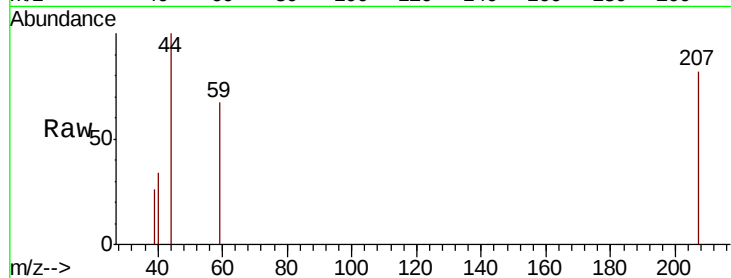
SB-10

Tot Ion: 59 Resp: 358

Ion Ratio Lower Upper

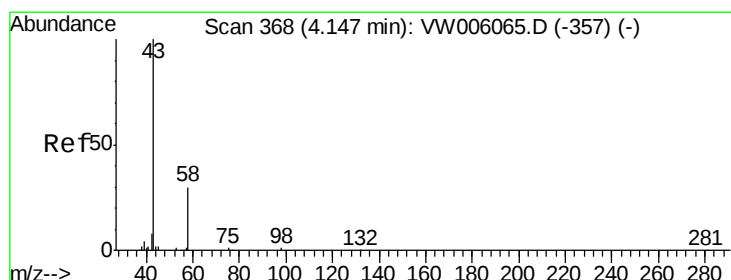
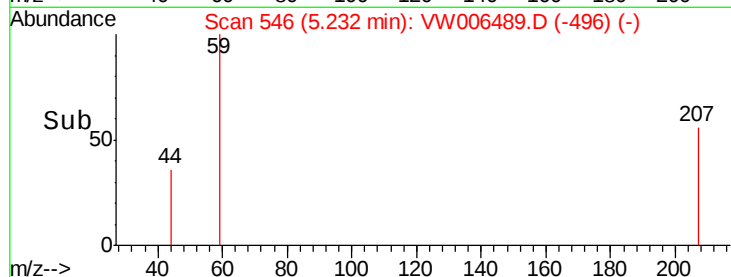
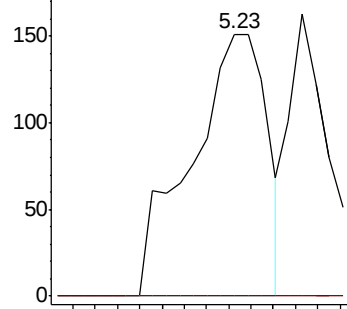
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 23.998 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006489.D

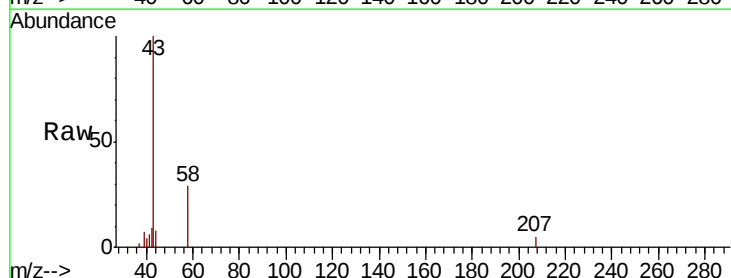
Acq: 30 Oct 2018 08:20

Tgt Ion: 43 Resp: 12363

Ion Ratio Lower Upper

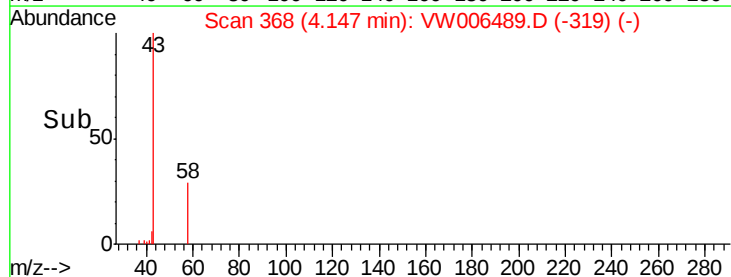
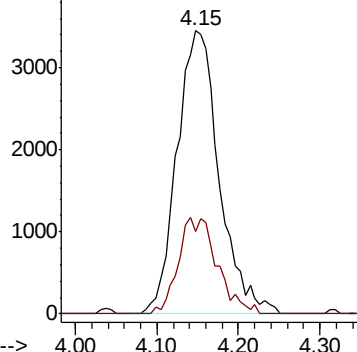
43 100

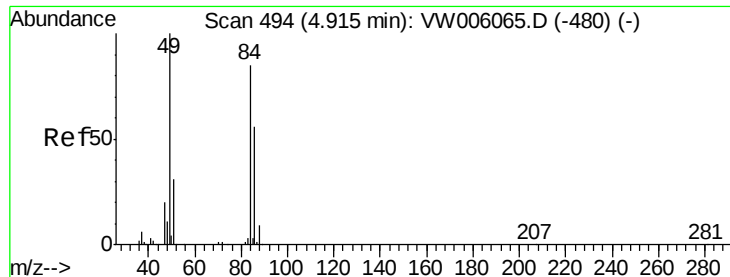
58 29.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 5.702 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampleId :

SB-10

Tot Ion: 84 Resp: 13326

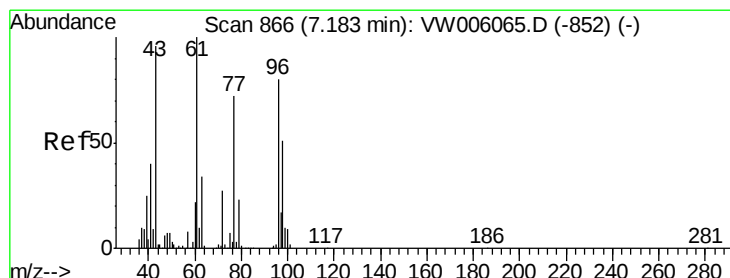
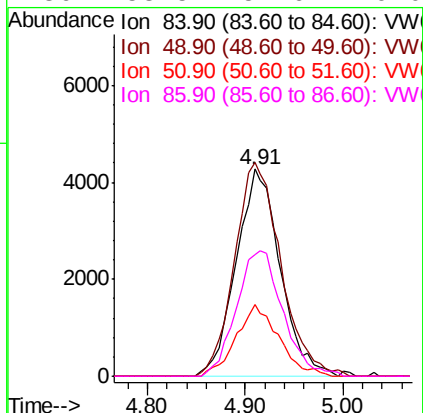
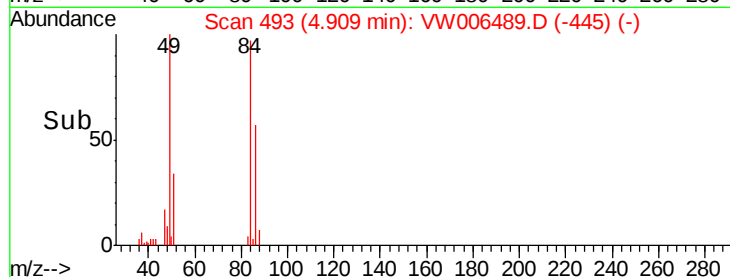
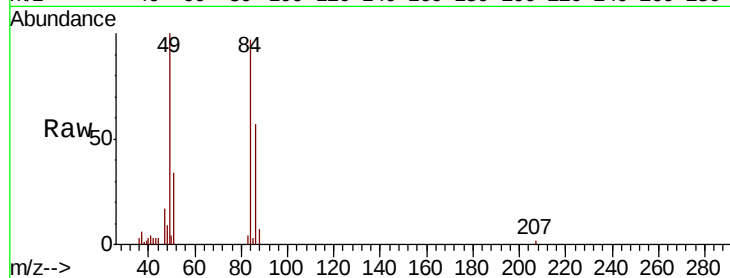
Ion Ratio Lower Upper

84 100

49 103.2 93.6 140.4

51 34.9 29.0 43.4

86 58.5 52.6 79.0



#25

2-Butanone

Concen: 4.153 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006489.D

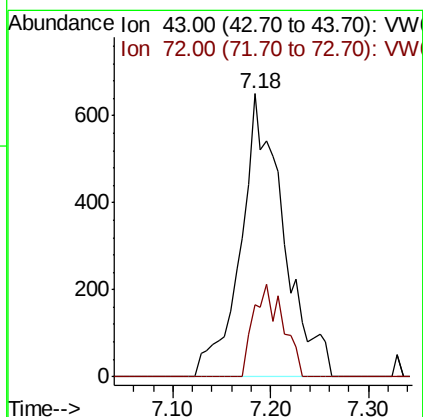
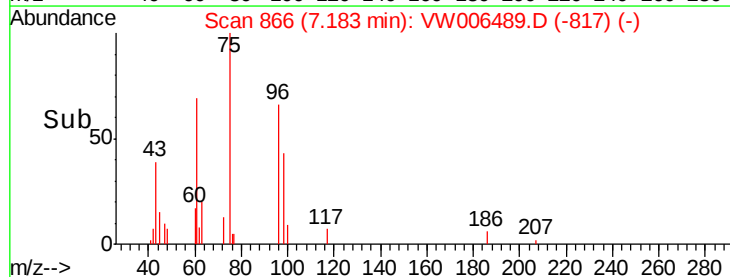
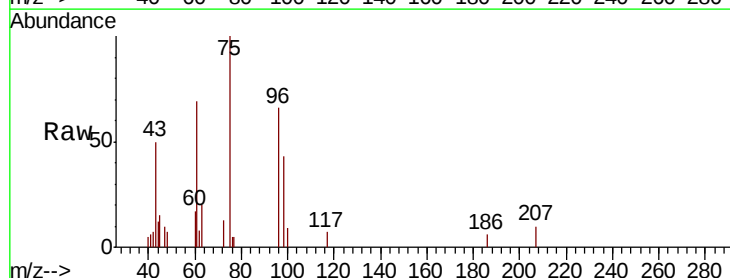
Acq: 30 Oct 2018 08:20

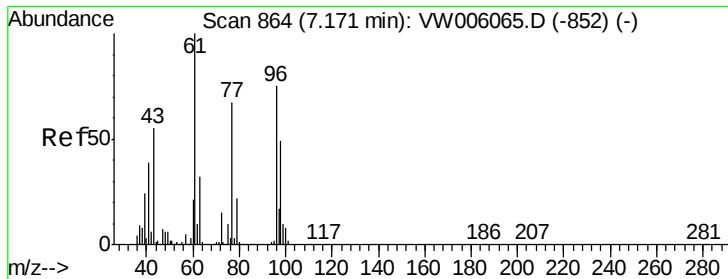
Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

72 25.5 22.8 34.2



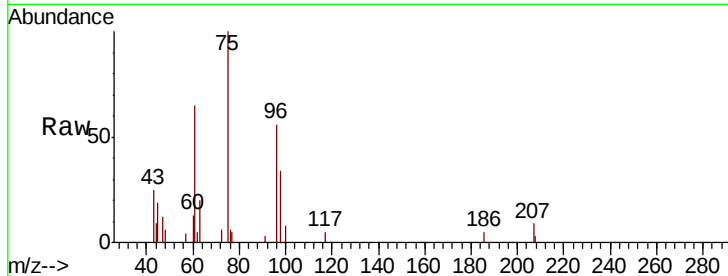


#27

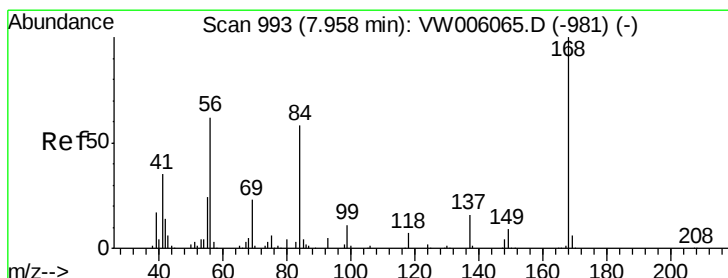
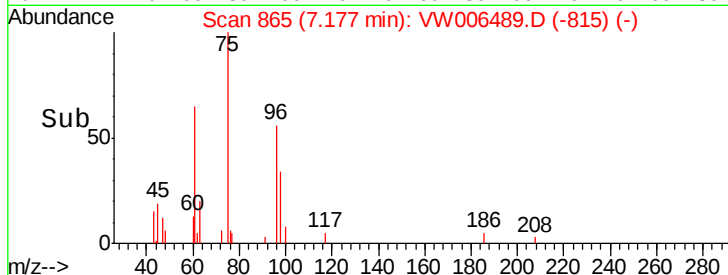
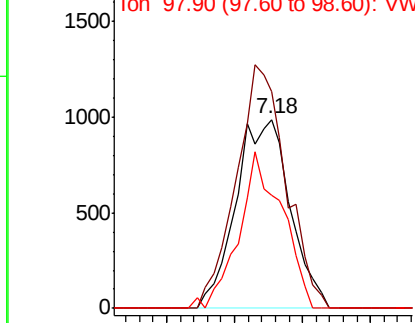
cis-1,2-Dichloroethene
 Concen: 1.259 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.3	0.0	267.2
98	66.0	0.0	128.6



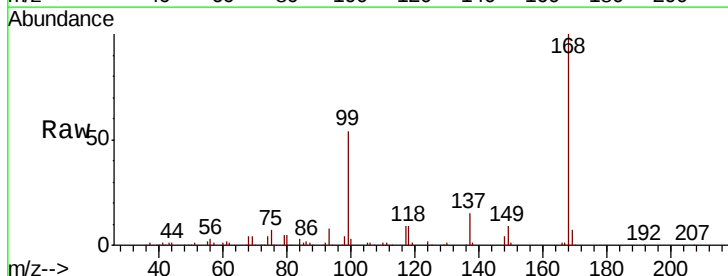
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



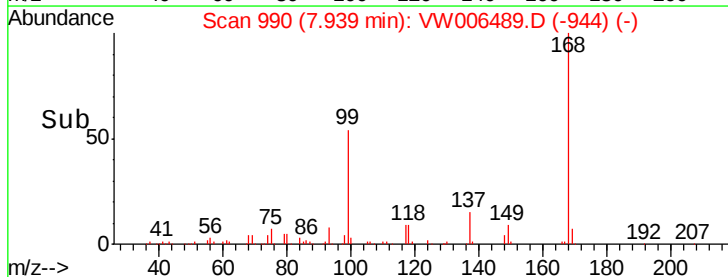
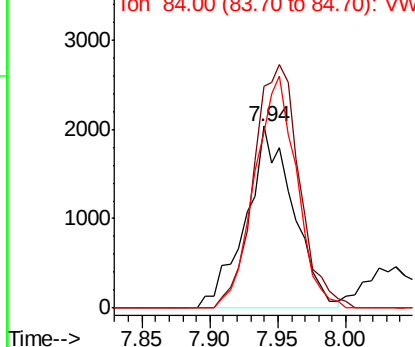
#31

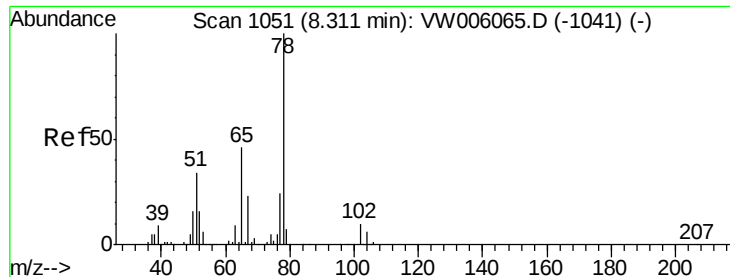
Cyclohexane
 Concen: 1.537 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Tgt Ion	Ratio	Lower	Upper
56	100		
69	121.7	29.4	44.0#
84	96.7	74.0	111.0



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

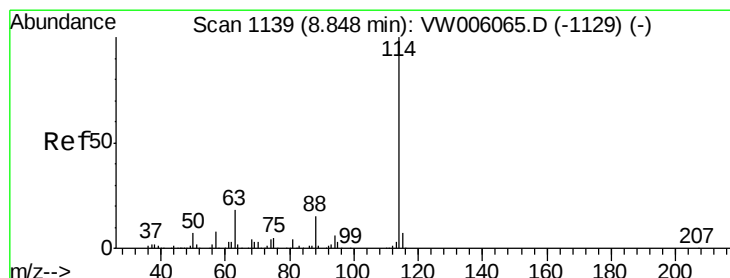
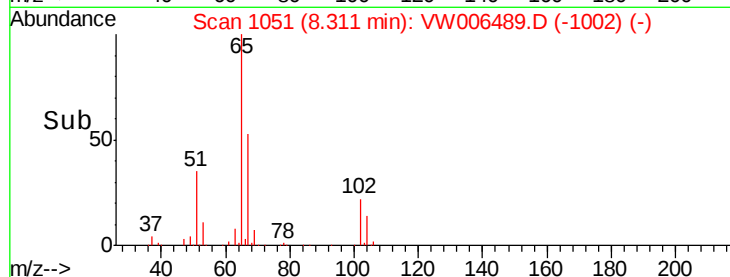
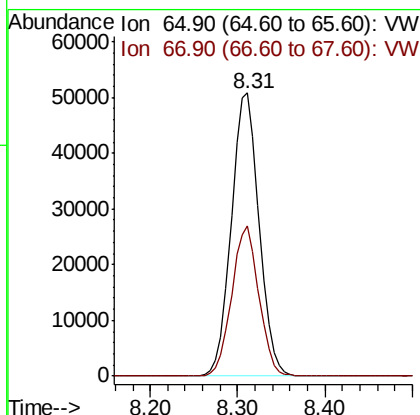
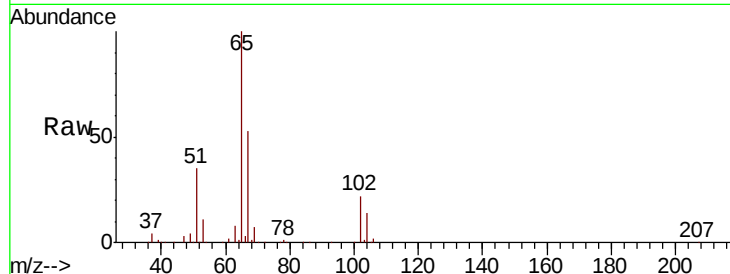




#33
 1,2-Dichloroethane-d4
 Concen: 63.500 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

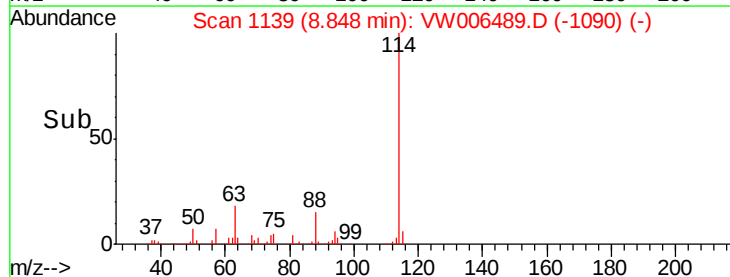
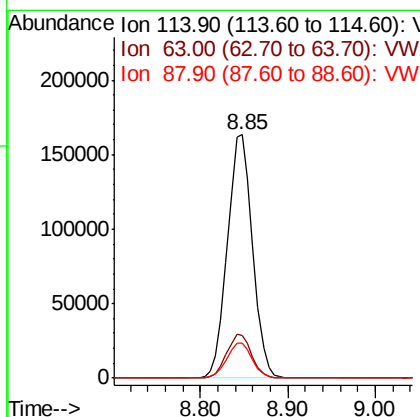
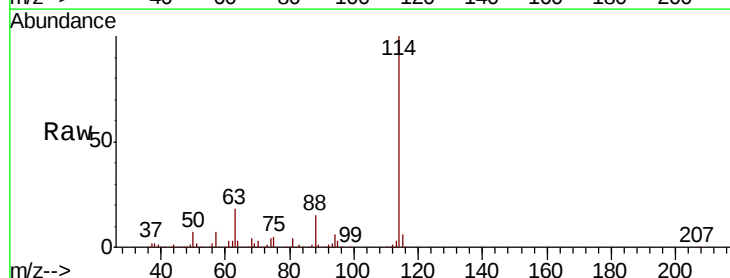
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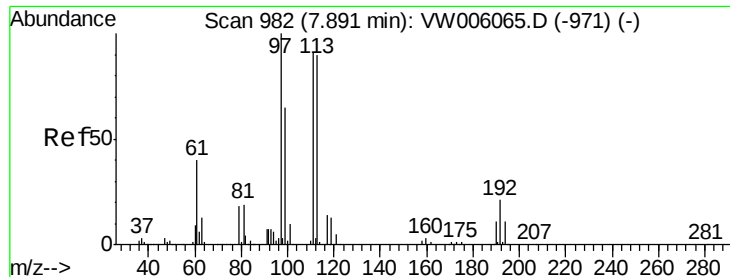
Tot Ion: 65 Resp: 111942
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Tgt Ion: 114 Resp: 326159
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.8
 88 14.5 0.0 29.0

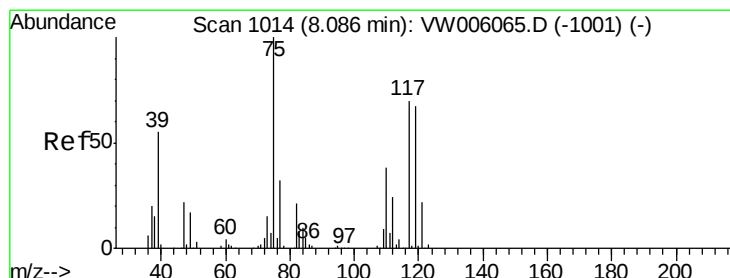
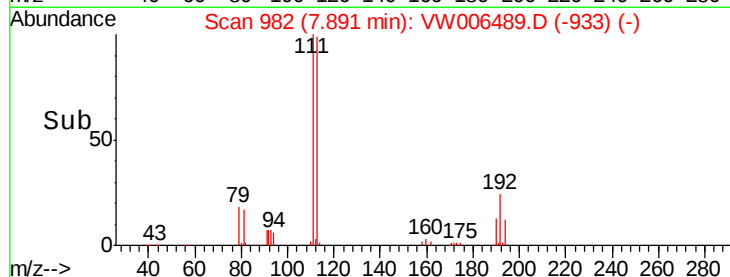
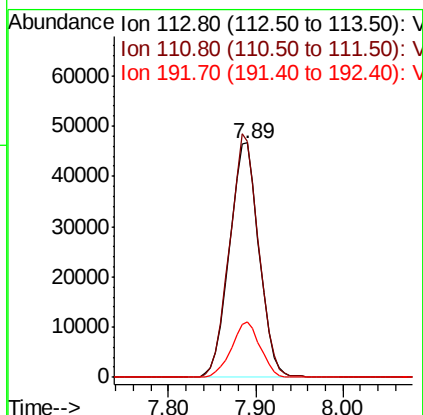
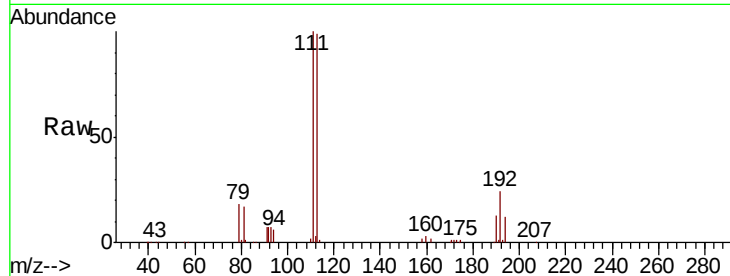




#35
 Dibromofluoromethane
 Concen: 56.913 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

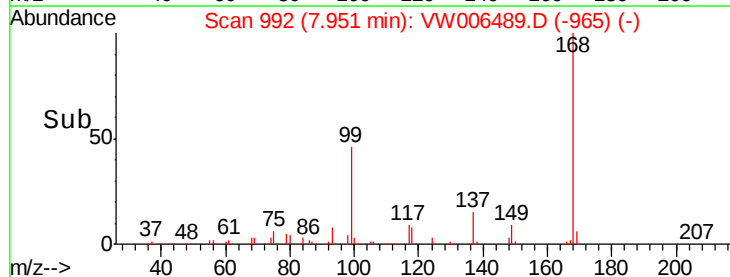
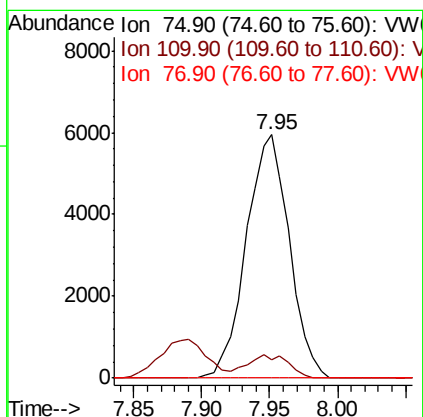
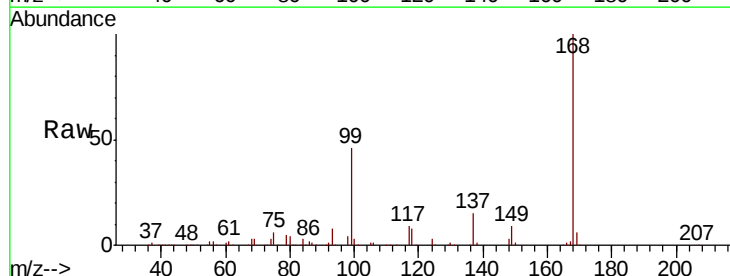
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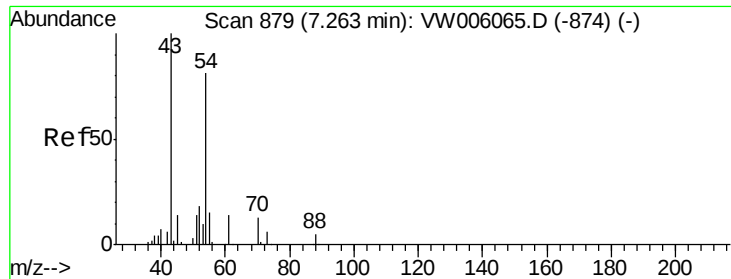
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	23.0	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.380 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.1	57.1#
77	0.0	25.0	37.4#

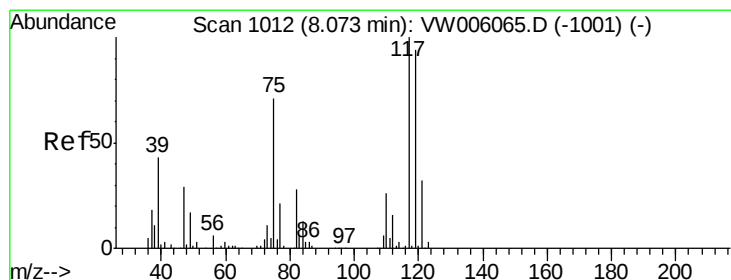
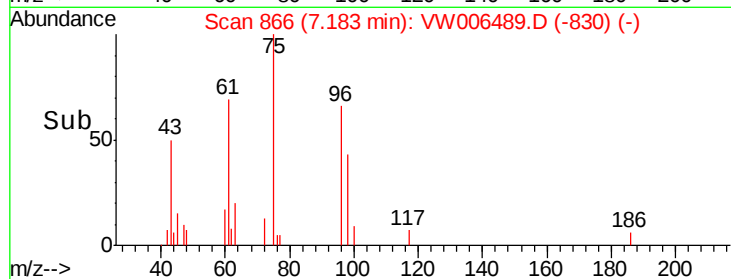
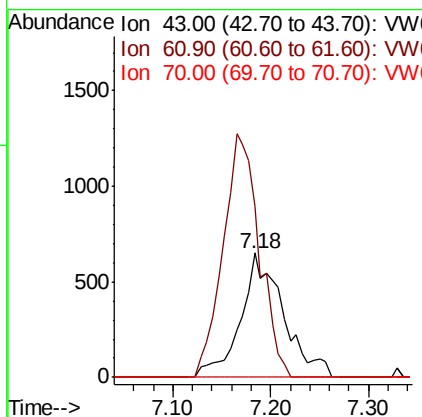
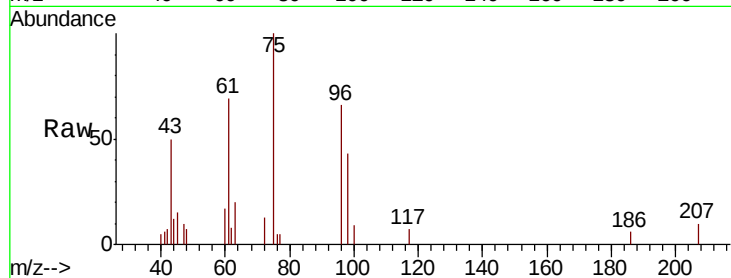




#37
Ethyl Acetate
Concen: 1.771 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.08 min
Lab File: VW006489.D
Acq: 30 Oct 2018 08:20

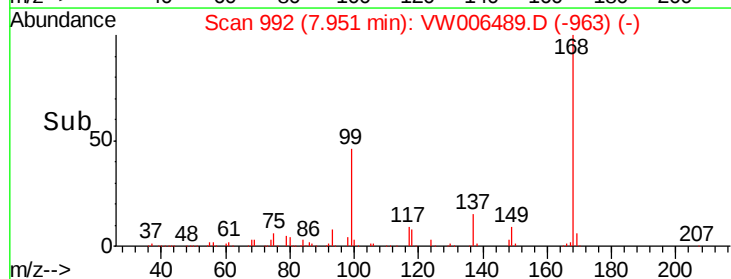
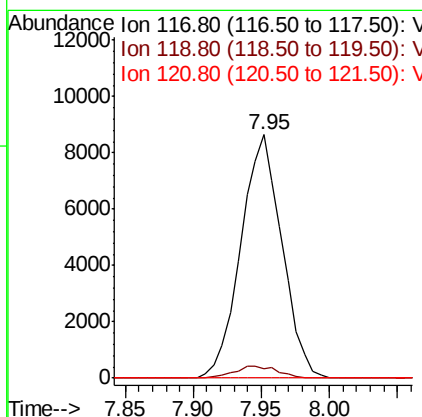
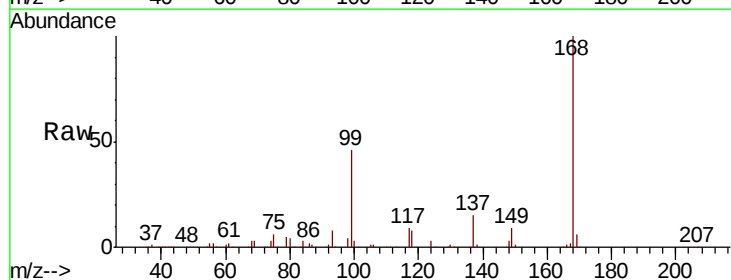
Instrument :
MSVOA_W
ClientSampleID :
SB-10

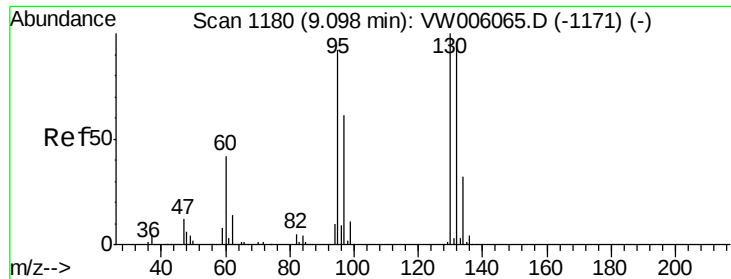
Tot Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
61 164.8 11.5 17.3#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006489.D
Acq: 30 Oct 2018 08:20

Tgt Ion: 117 Resp: 18224
Ion Ratio Lower Upper
117 100
119 3.9 75.2 112.8#
121 0.0 25.3 37.9#





#44

Trichloroethene

Concen: 1.043 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampled :

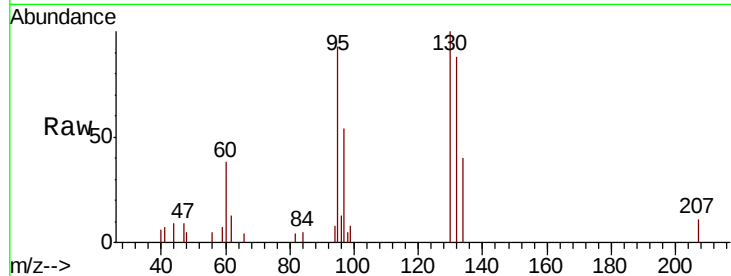
SB-10

Tot Ion:130 Resp: 2639

Ion Ratio Lower Upper

130 100

95 92.5 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

1500

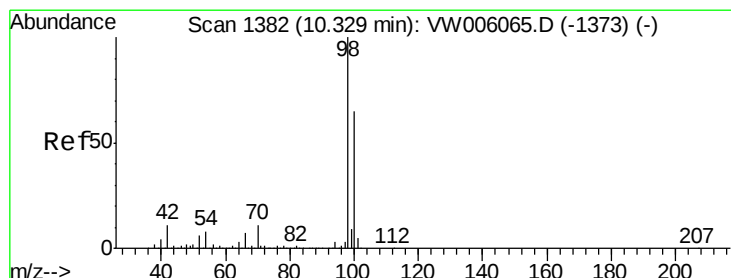
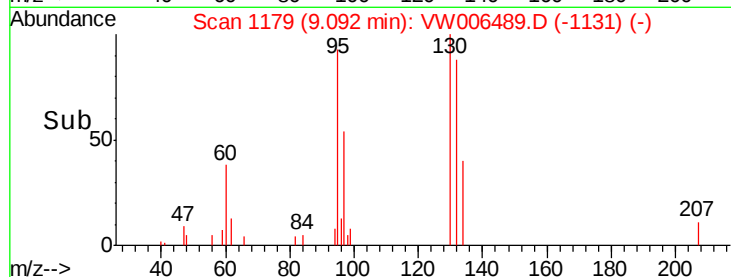
1000

500

0

9.05 9.10 9.15

Time-->



#50

Toluene-d8

Concen: 52.672 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006489.D

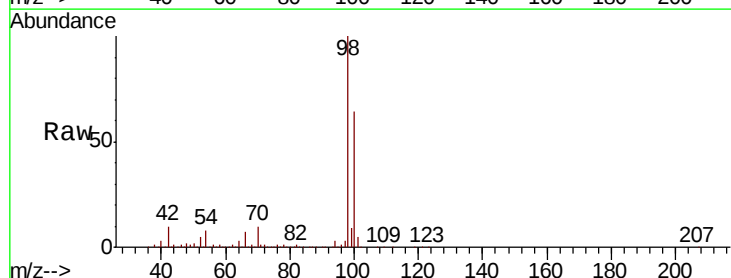
Acq: 30 Oct 2018 08:20

Tgt Ion: 98 Resp: 386206

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

250000

200000

150000

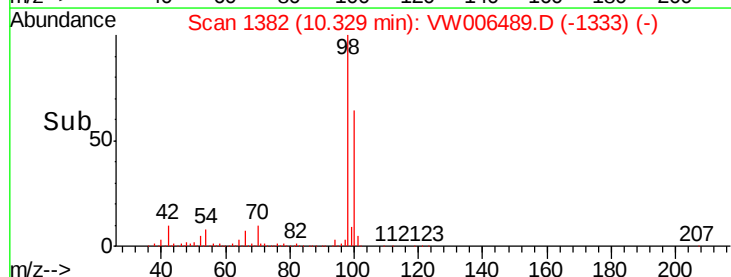
100000

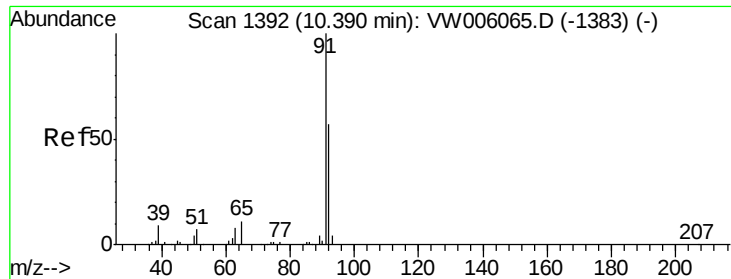
50000

0

10.20 10.30 10.40

Time-->





#52

Toluene

Concen: 5.463 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampleId :

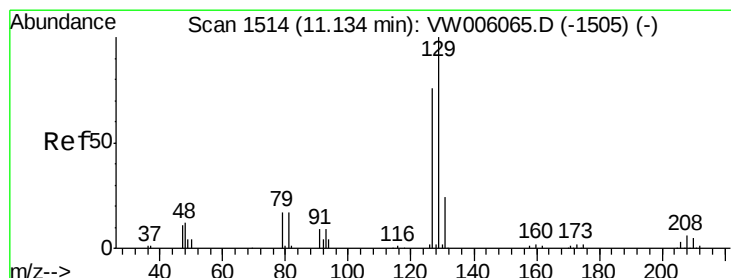
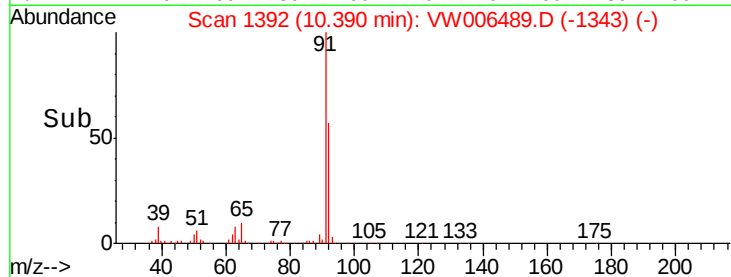
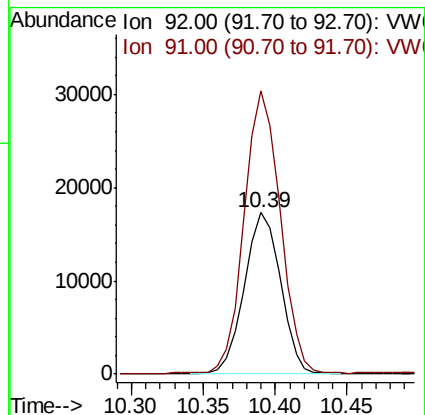
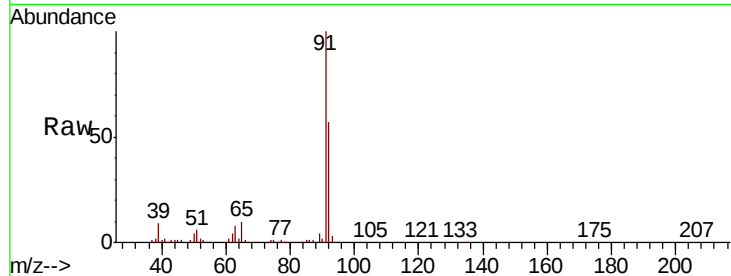
SB-10

Tot Ion: 92 Resp: 30203

Ion Ratio Lower Upper

92 100

91 176.4 140.0 210.0



#60

Dibromochloromethane

Concen: 25.643 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW006489.D

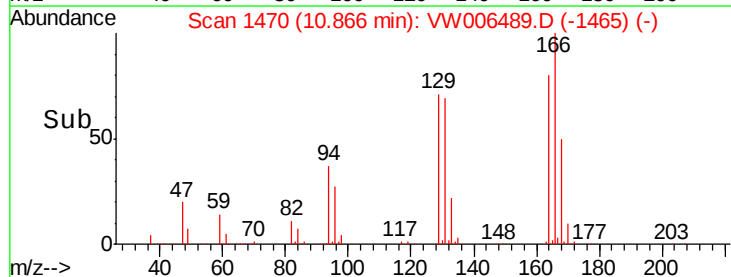
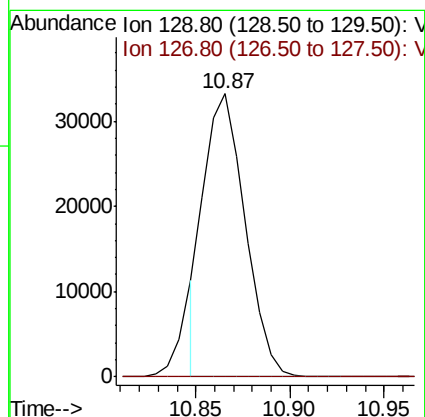
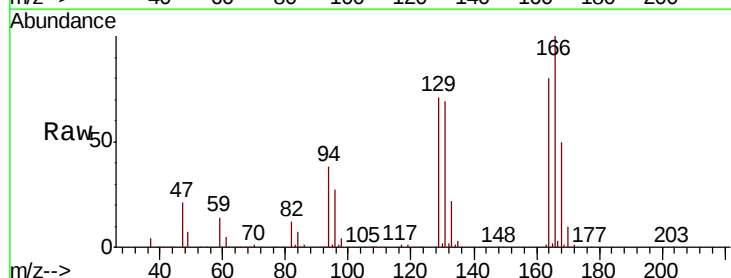
Acq: 30 Oct 2018 08:20

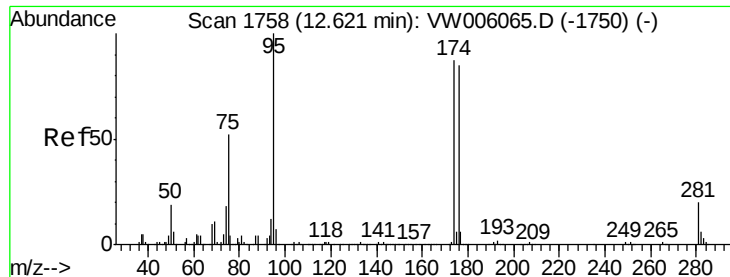
Tgt Ion: 129 Resp: 50271

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#

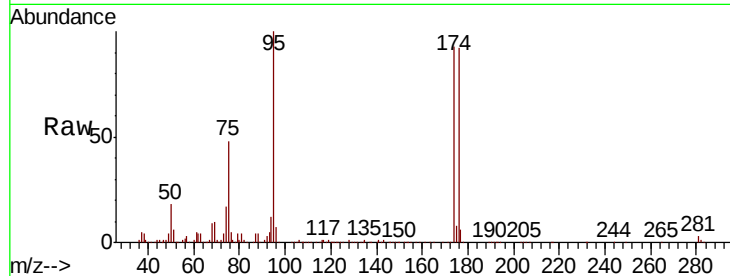




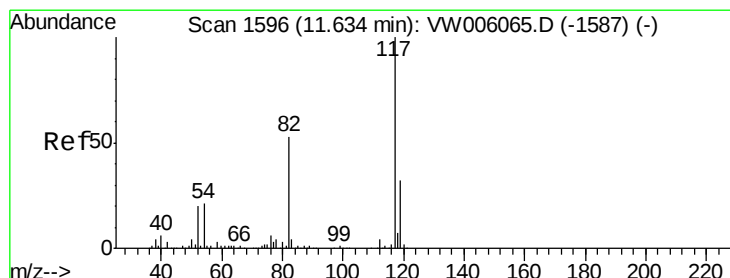
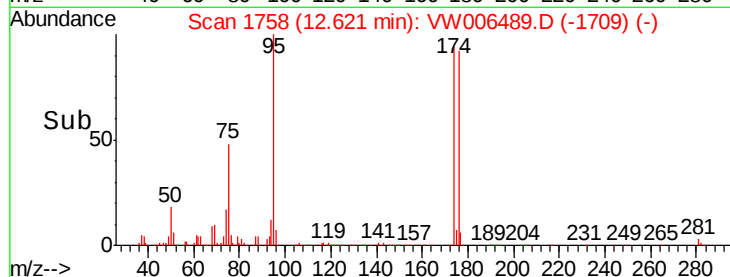
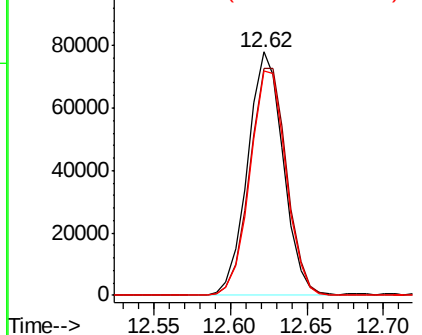
#62
4-Bromofluorobenzene
Concen: 45.562 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006489.D
Acq: 30 Oct 2018 08:20

Instrument :
MSVOA_W
ClientSampled :
SB-10

Tot Ion: 95 Resp: 125474
Ion Ratio Lower Upper
95 100
174 97.4 0.0 186.0
176 93.9 0.0 181.6

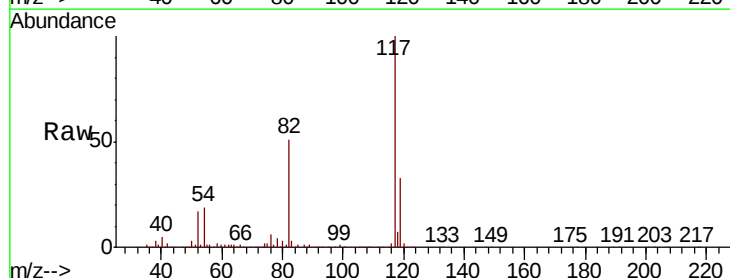


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

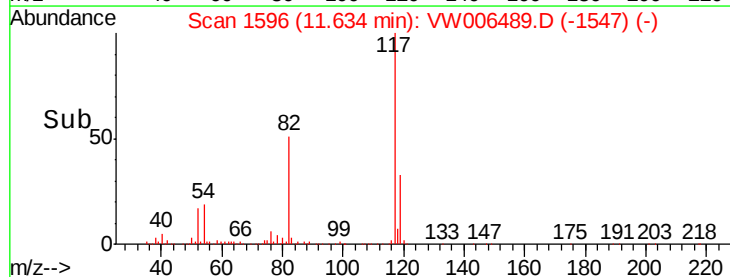
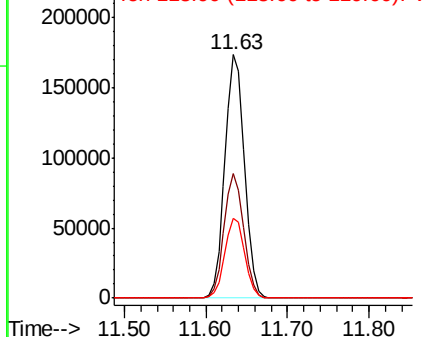


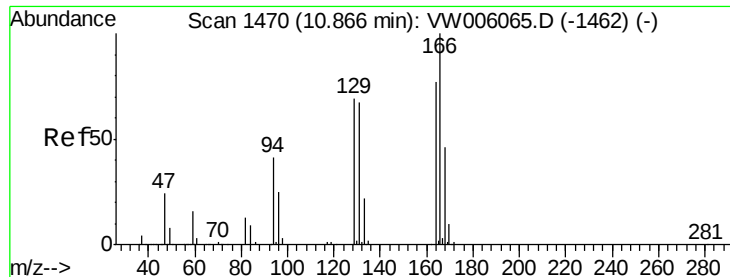
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006489.D
Acq: 30 Oct 2018 08:20

Tgt Ion: 117 Resp: 286918
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 33.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 28.897 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

Instrument :

MSVOA_W

ClientSampleId :

SB-10

Tot Ion:164 Resp: 64363

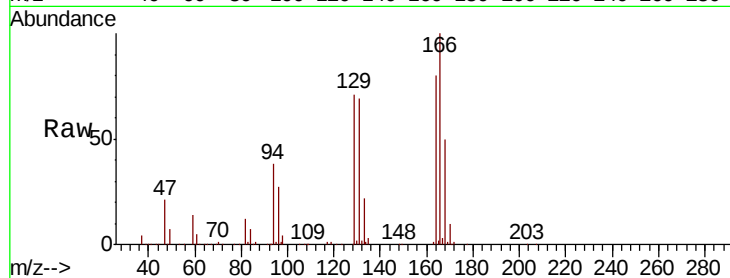
Ion Ratio Lower Upper

164 100

166 124.7 103.4 155.0

129 88.9 71.8 107.8

131 86.4 69.5 104.3

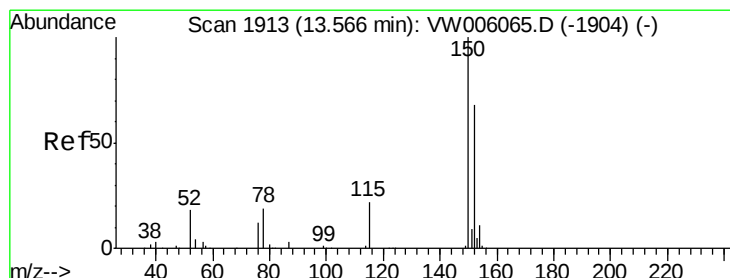
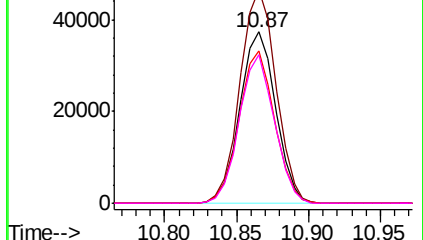
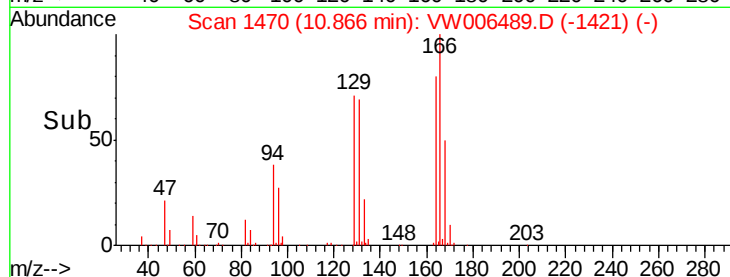


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006489.D

Acq: 30 Oct 2018 08:20

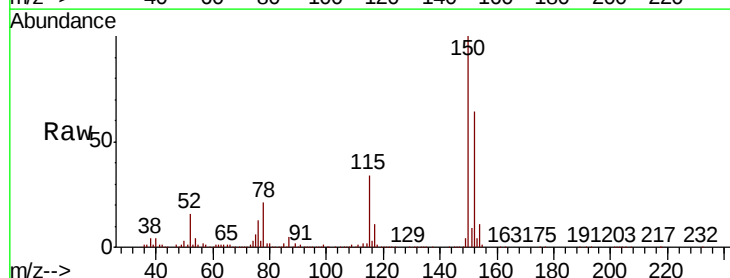
Tgt Ion:152 Resp: 116280

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

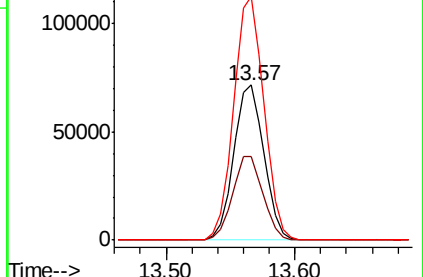
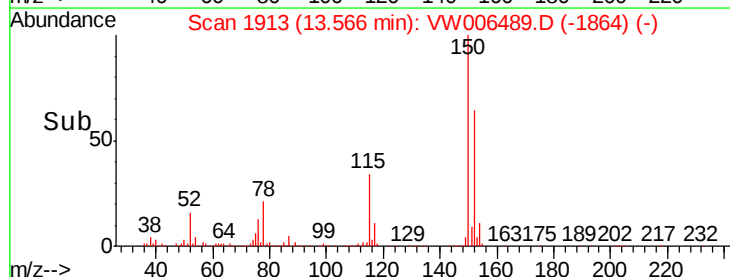
150 157.3 0.0 349.2

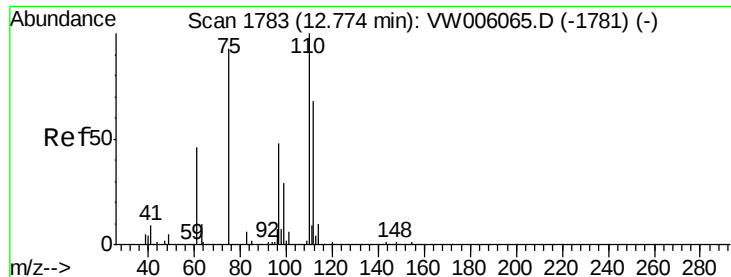


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

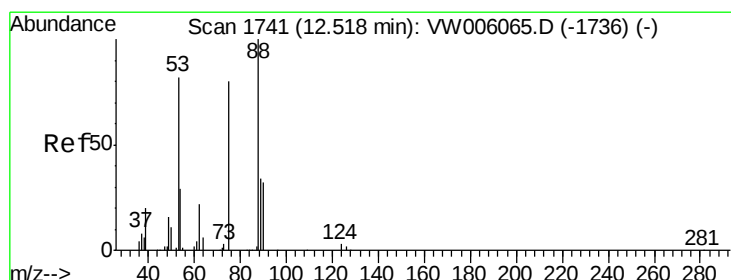
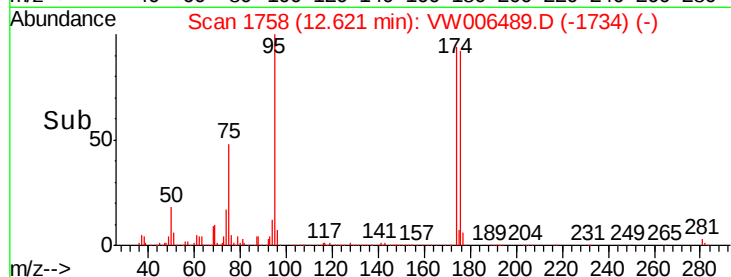
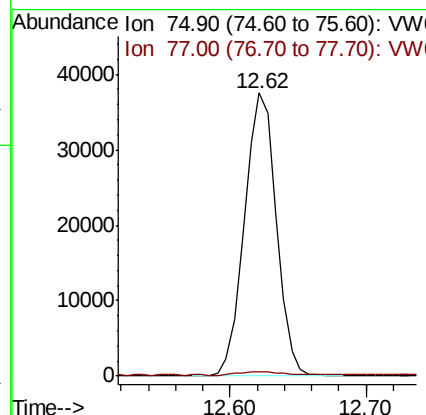
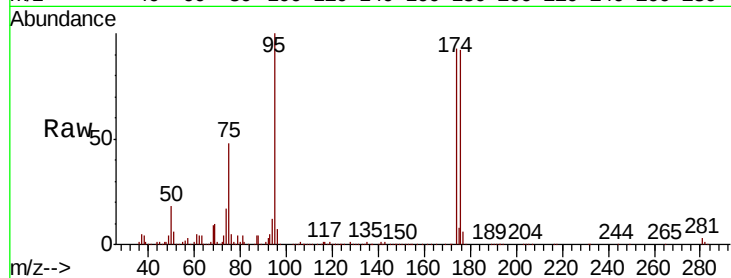




#76
 1,2,3-Trichloropropane
 Concen: 69.247 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Tot Ion: 75 Resp: 61502
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.528 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006489.D
 Acq: 30 Oct 2018 08:20

Tgt Ion: 75 Resp: 61502
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.1 37.5 56.3#

