

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005186.D
 Acq On : 07 Sep 2018 02:57
 Operator : SY/AP
 Sample : J4748-04
 Misc : 5.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01

Quant Time: Sep 07 04:19:28 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	400750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	669713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	600827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	207107	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	226652	68.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.46%	
35) Dibromofluoromethane	7.89	113	95	0.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.04%	
50) Toluene-d8	10.33	98	848992	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.62	95	231351	36.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.58%	

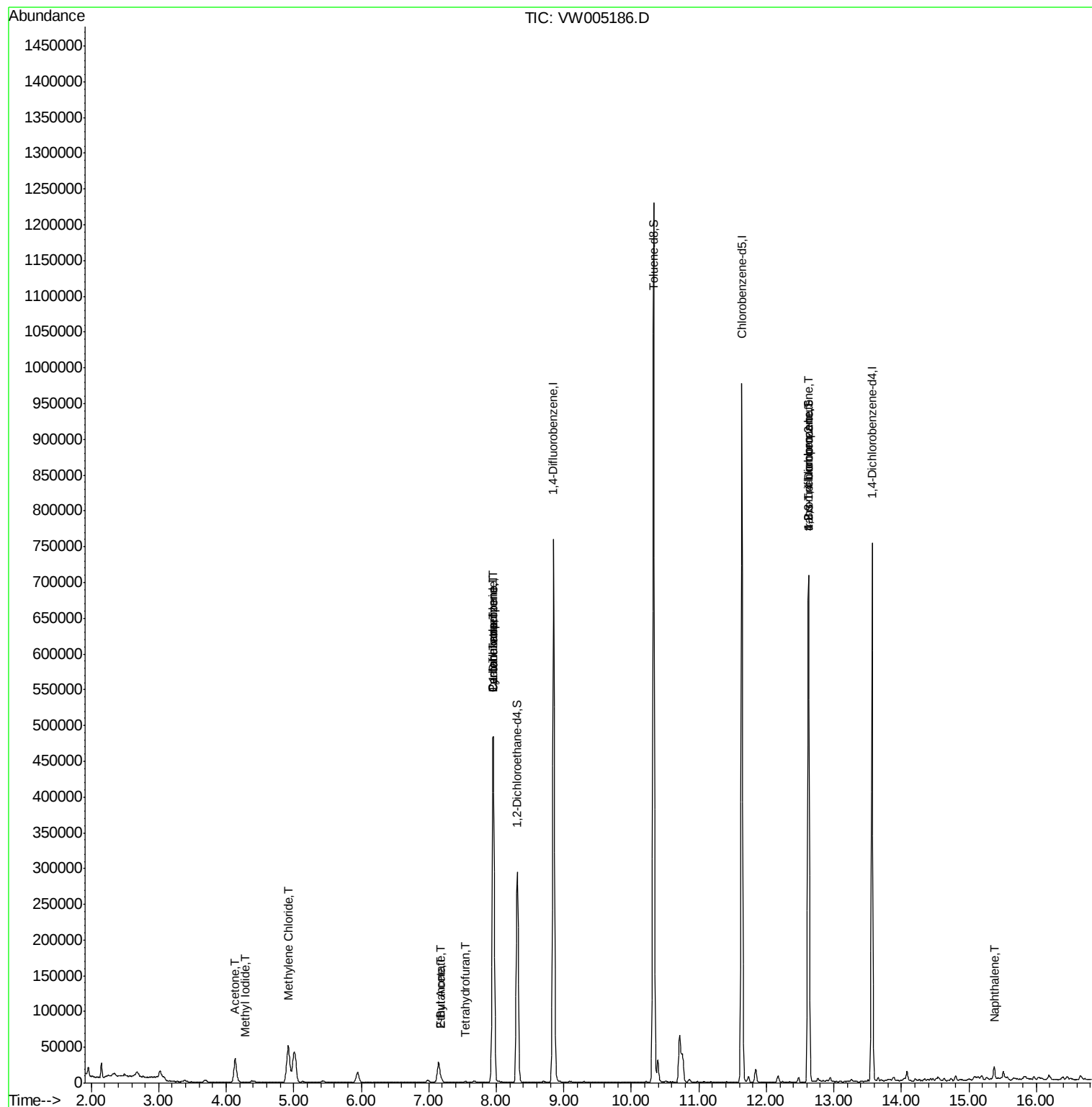
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	941	Below Cal	#	66
10) Methyl Iodide	4.29	142	695	3.941	ug/l #	59
11) Tert butyl alcohol	5.17	59	949	Below Cal	#	72
16) Acetone	4.13	43	57605	86.464	ug/l	99
20) Methylene Chloride	4.92	84	43284	6.208	ug/l	98
25) 2-Butanone	7.18	43	6494	5.620	ug/l	91
29) Tetrahydrofuran	7.53	42	744	1.260	ug/l #	87
31) Cyclohexane	7.96	56	6628	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26937	4.223	ug/l #	47
37) Ethyl Acetate	7.18	43	6494	2.722	ug/l #	66
38) Carbon Tetrachloride	7.95	117	34706	5.723	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	106057	68.222	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	106057	164.202	ug/l #	15
95) Naphthalene	15.38	128	17504	6.137	ug/l	98

(#) = 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: VW005186.D

Acq: 07 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

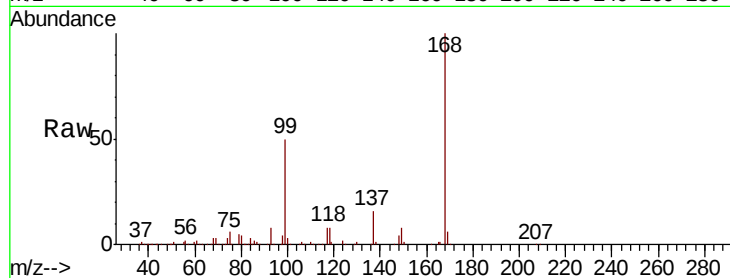
SB-01

Tgt Ion:168 Resp: 400750

Ion Ratio Lower Upper

168 100

99 50.2 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

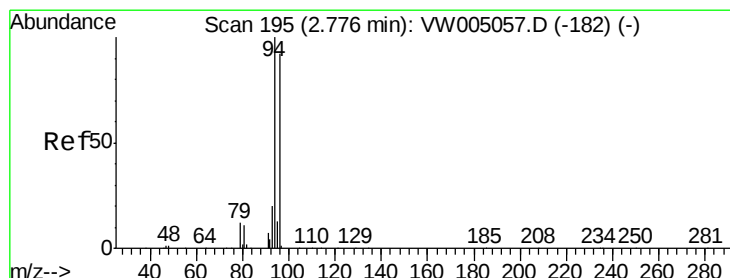
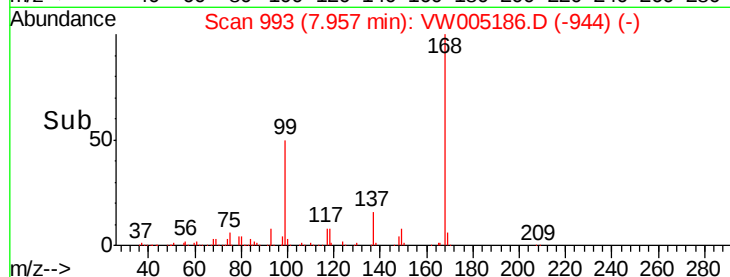
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005186.D

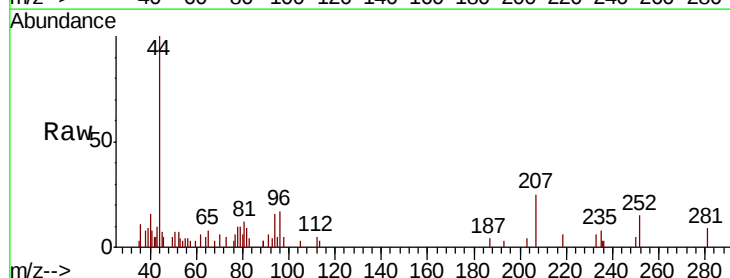
Acq: 07 Sep 2018 02:57

Tgt Ion: 94 Resp: 941

Ion Ratio Lower Upper

94 100

96 59.5 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

400

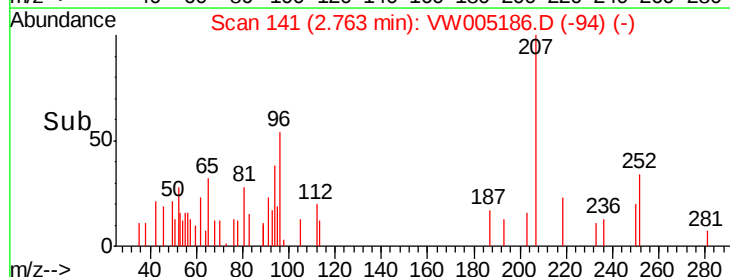
300

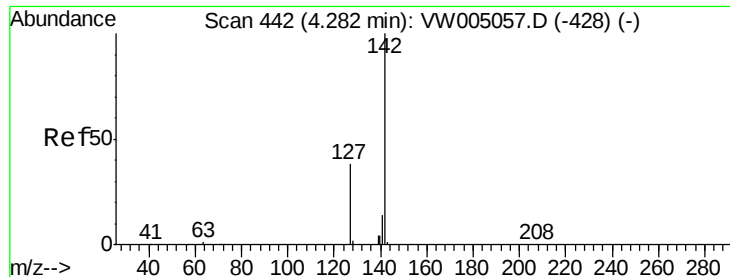
200

100

0

Time--> 2.70 2.75 2.80 2.85

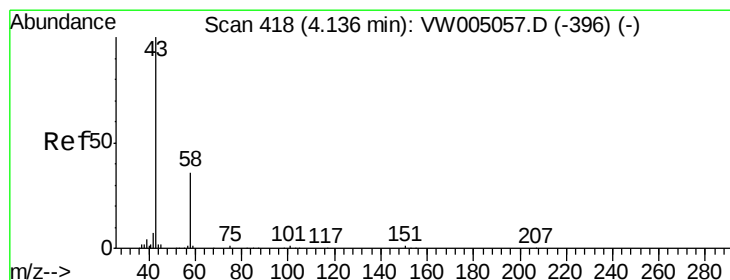
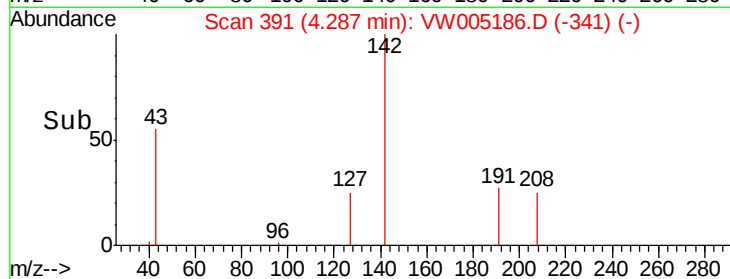
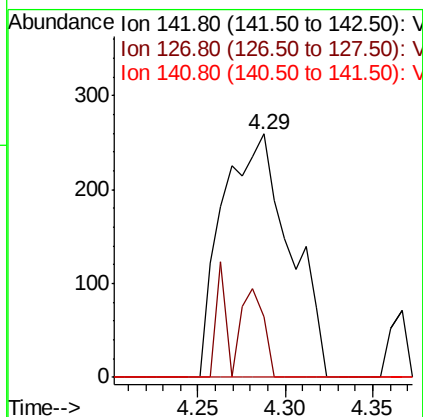
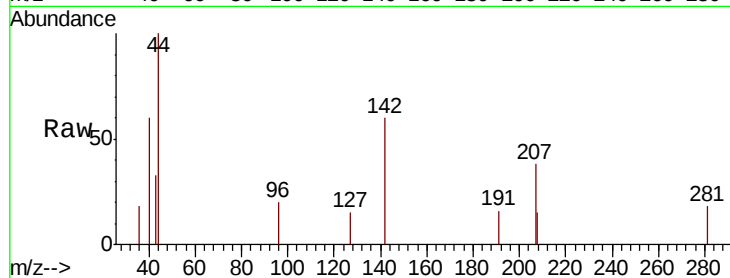




#10
Methyl Iodide
Concen: 3.941 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

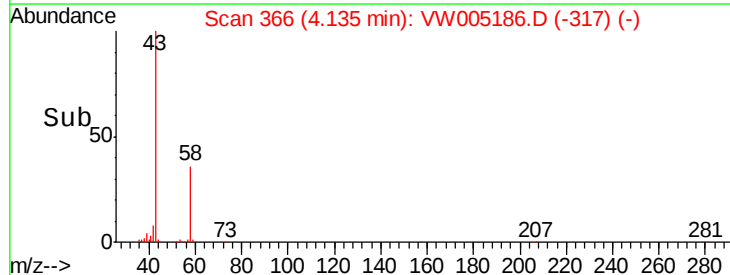
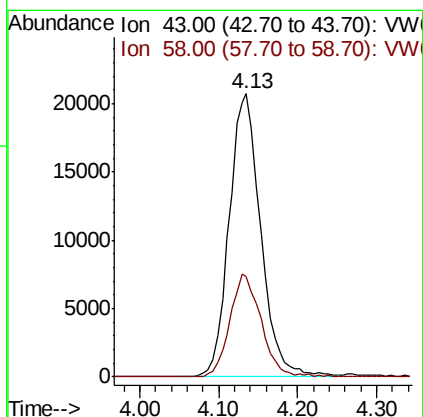
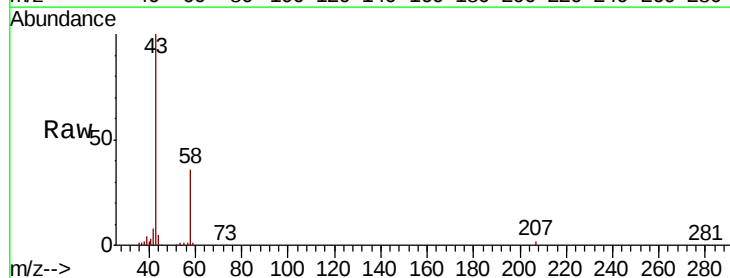
Instrument :
MSVOA_W
ClientSampled :
SB-01

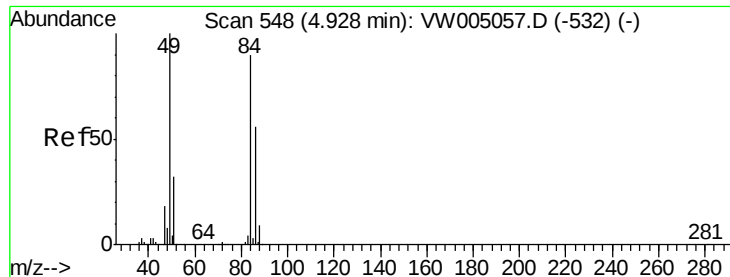
Tgt Ion:142 Resp: 695
Ion Ratio Lower Upper
142 100
127 12.4 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 86.464 ug/l
RT: 4.13 min Scan# 366
Delta R.T. -0.00 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Tgt Ion: 43 Resp: 57605
Ion Ratio Lower Upper
43 100
58 35.5 29.0 43.6

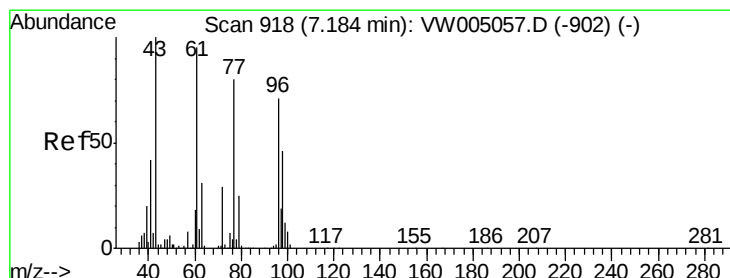
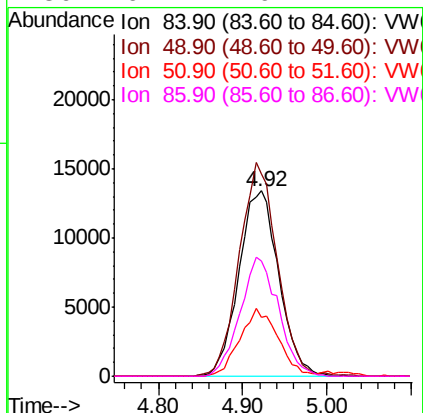
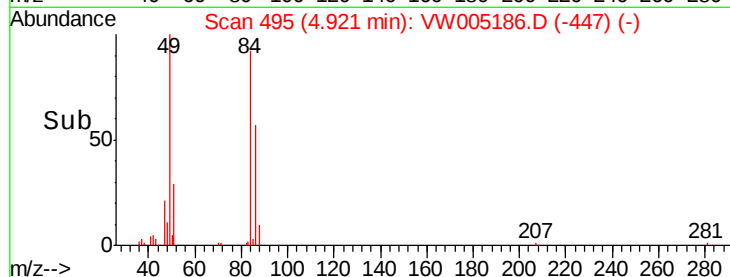
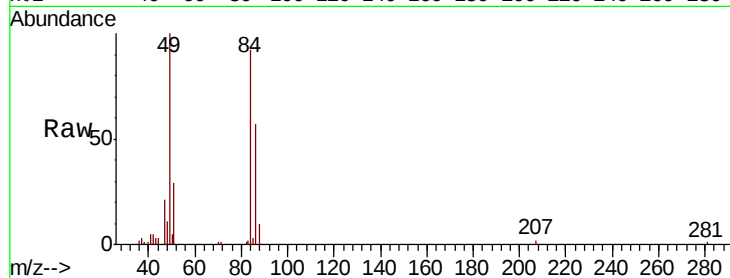




#20
Methylene Chloride
Concen: 6.208 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

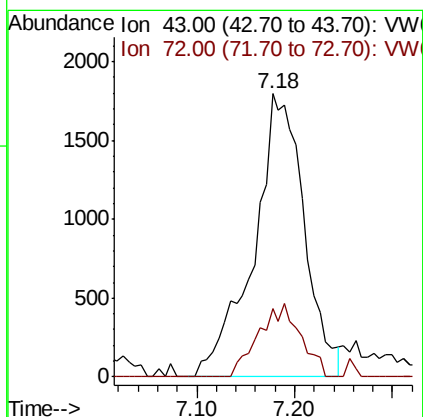
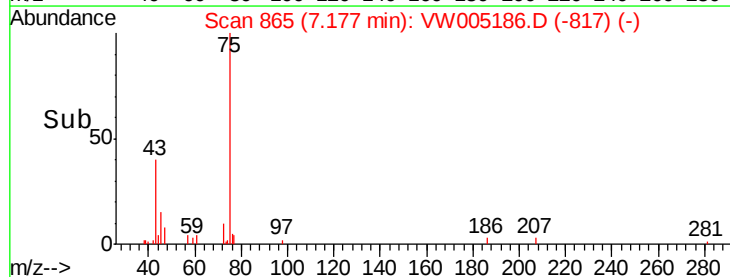
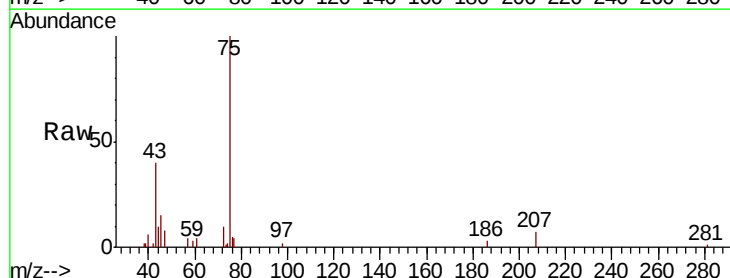
Instrument :
MSVOA_W
ClientSampleId :
SB-01

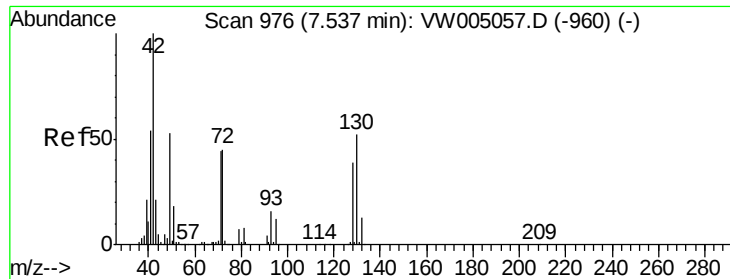
Tgt Ion: 84 Resp: 43284
Ion Ratio Lower Upper
84 100
49 108.9 88.7 133.1
51 32.0 28.6 42.8
86 62.1 49.4 74.2



#25
2-Butanone
Concen: 5.620 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Tgt Ion: 43 Resp: 6494
Ion Ratio Lower Upper
43 100
72 24.1 23.1 34.7





#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

SB-01

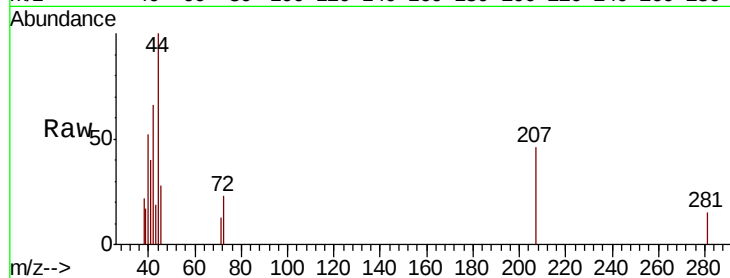
Tgt Ion: 42 Resp: 744

Ion Ratio Lower Upper

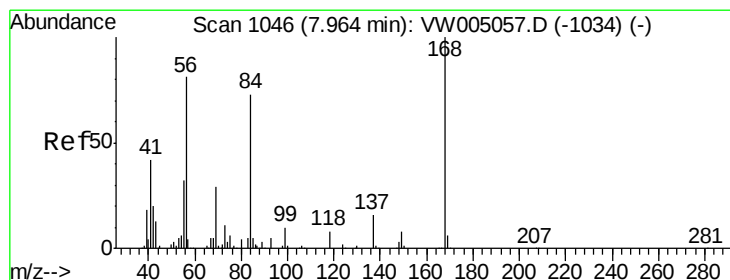
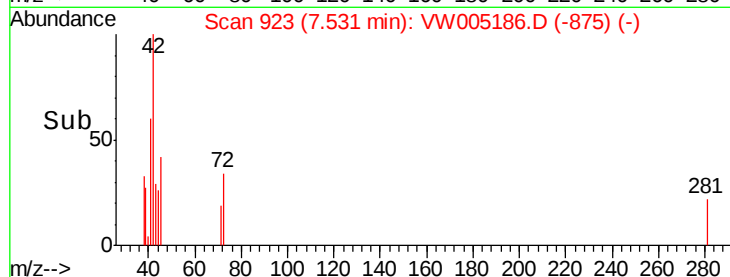
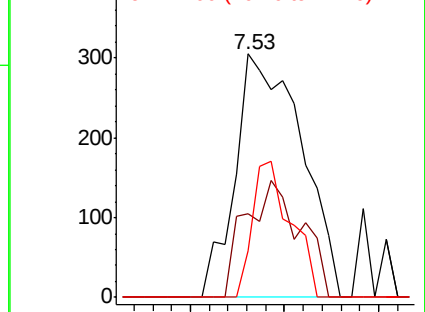
42 100

72 40.1 37.0 55.4

71 32.5 35.0 52.6#



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



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

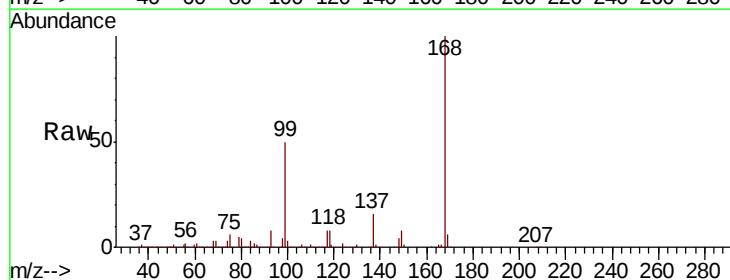
Tgt Ion: 56 Resp: 6628

Ion Ratio Lower Upper

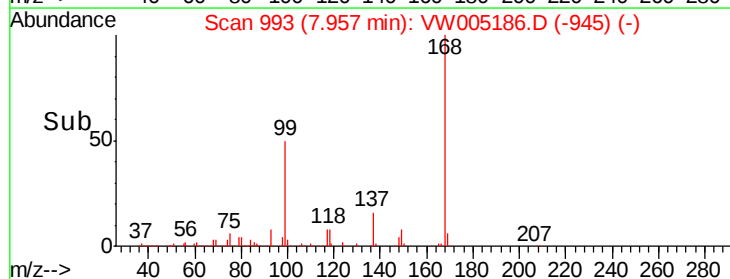
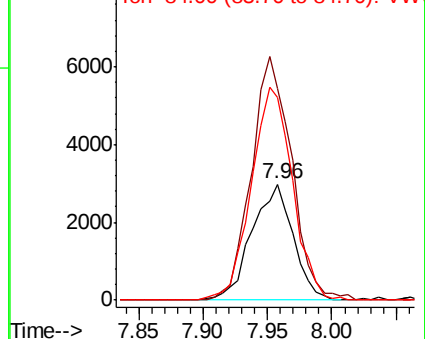
56 100

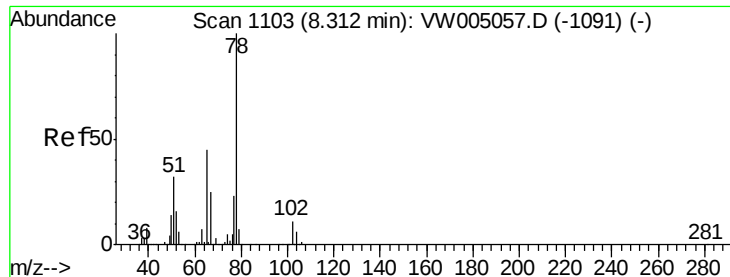
69 182.9 28.2 42.2#

84 174.5 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

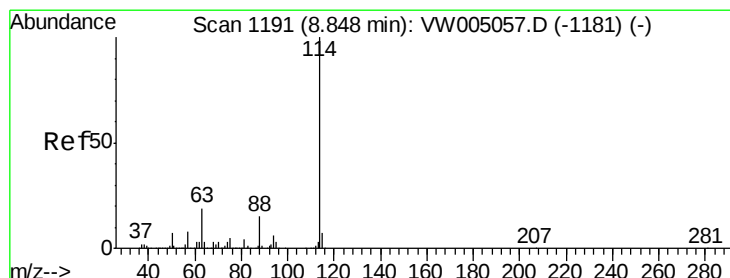
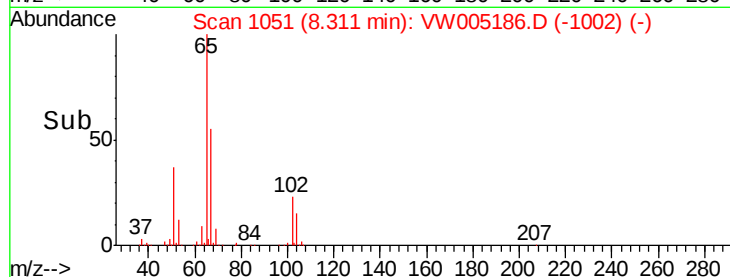
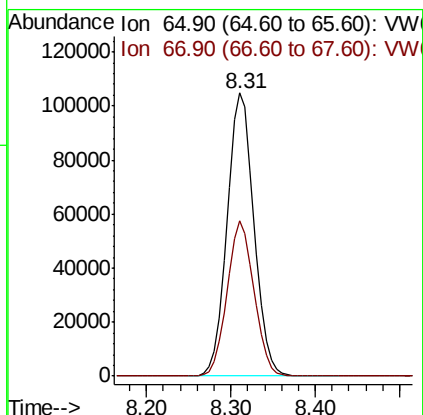
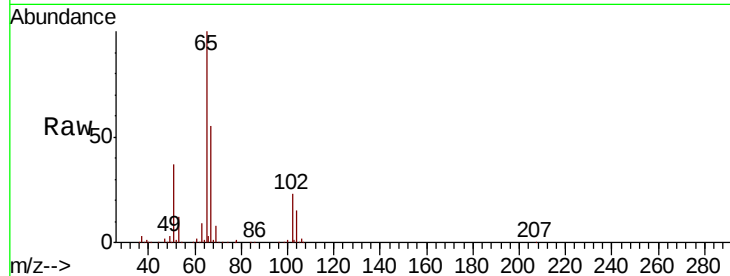




#33
 1,2-Dichloroethane-d4
 Concen: 68.227 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005186.D
 Acq: 07 Sep 2018 02:57

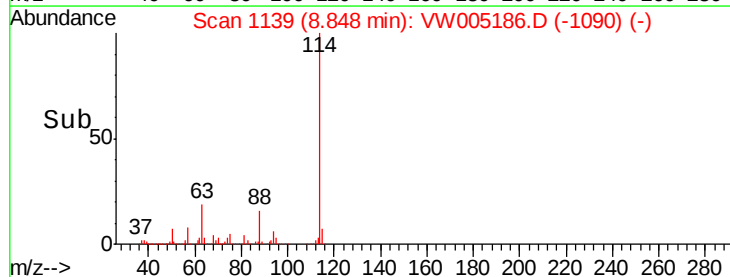
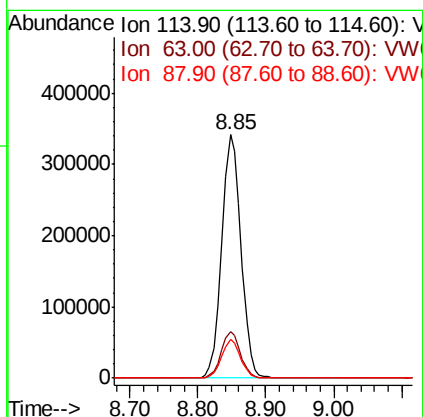
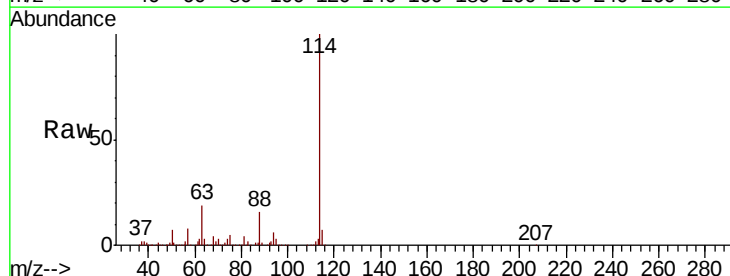
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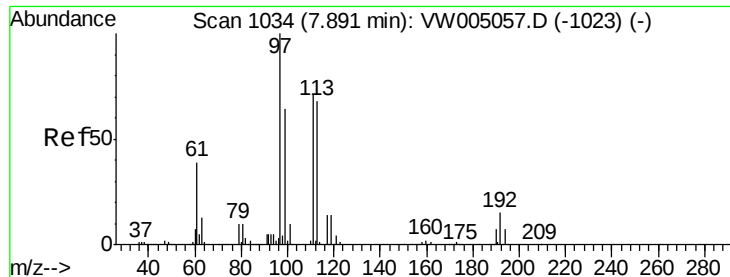
Tgt Ion: 65 Resp: 226652
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005186.D
 Acq: 07 Sep 2018 02:57

Tgt Ion: 114 Resp: 669713
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.8 0.0 30.2

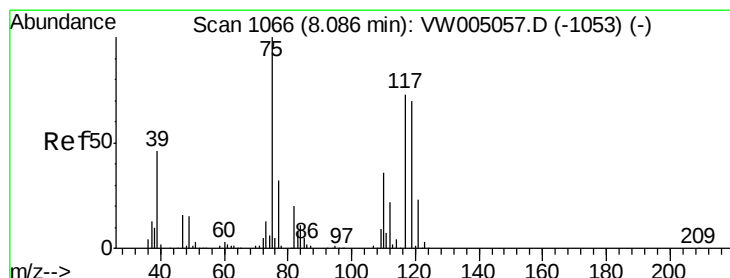
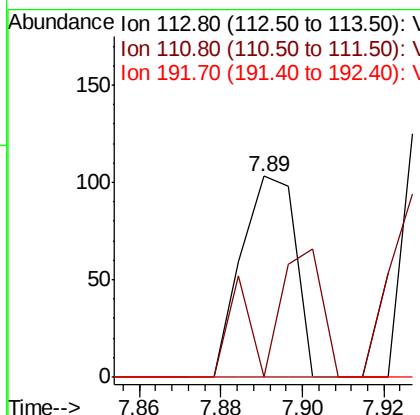
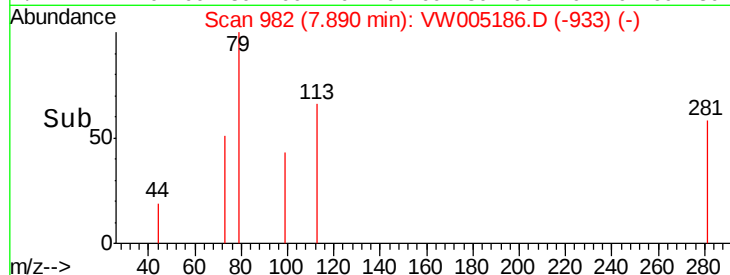
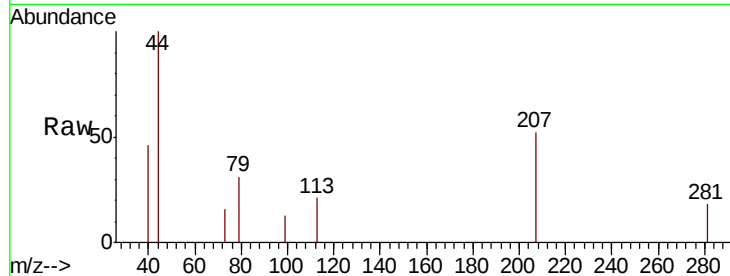




#35
 Dibromofluoromethane
 Concen: 0.025 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005186.D
 Acq: 07 Sep 2018 02:57

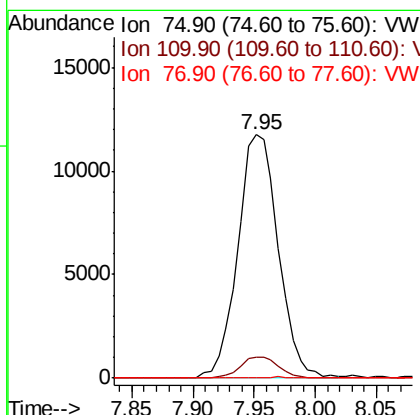
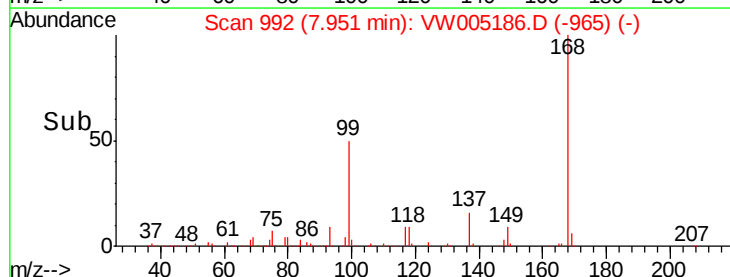
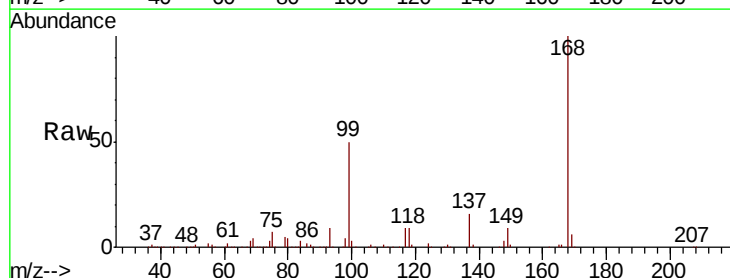
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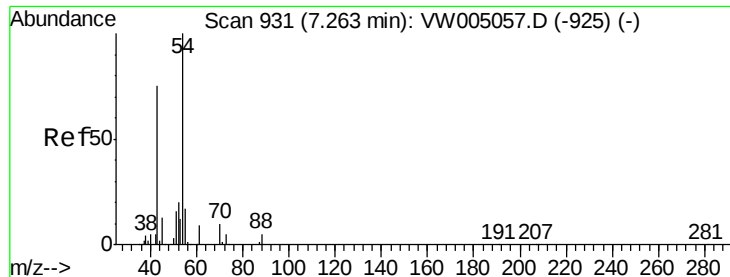
Tgt Ion: 113 Resp: 95
 Ion Ratio Lower Upper
 113 100
 111 67.4 82.2 123.2#
 192 0.0 18.1 27.1#



#36
 1,1-Dichloropropene
 Concen: 4.223 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005186.D
 Acq: 07 Sep 2018 02:57

Tgt Ion: 75 Resp: 26937
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.9 56.7#
 77 0.0 25.5 38.3#

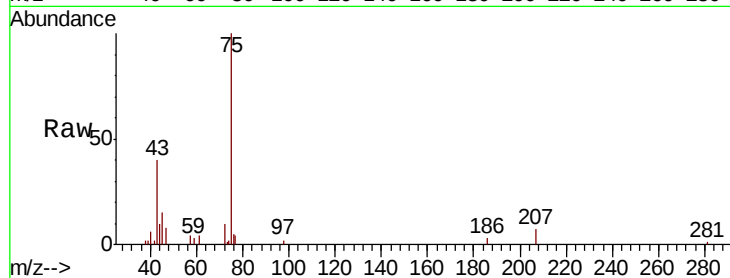




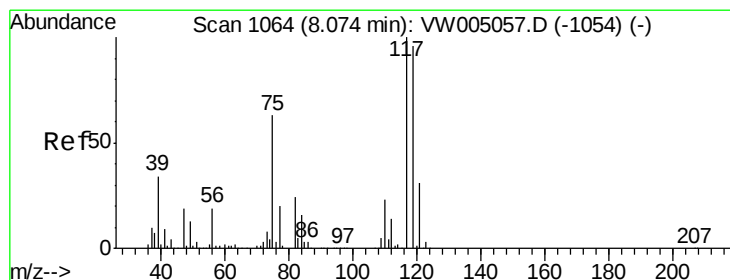
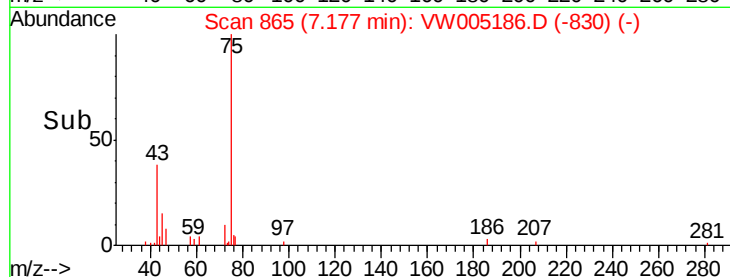
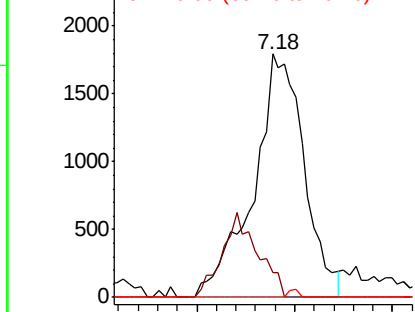
#37
Ethyl Acetate
Concen: 2.722 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.09 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Instrument :
MSVOA_W
ClientSampleId :
SB-01

Tgt Ion: 43 Resp: 6494
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.4 14.2#

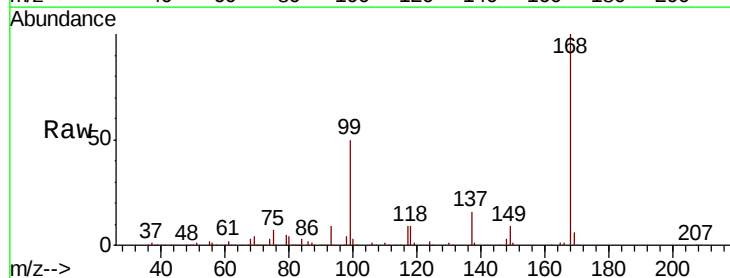


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

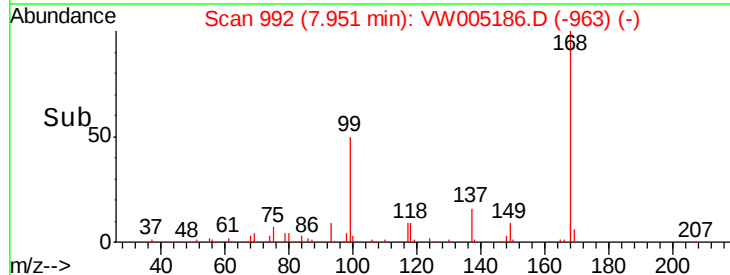
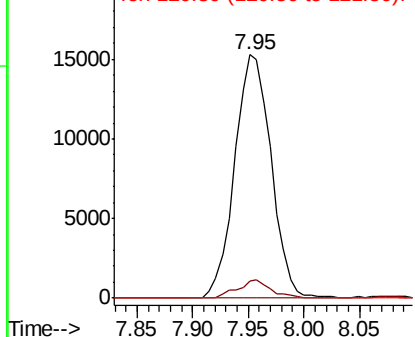


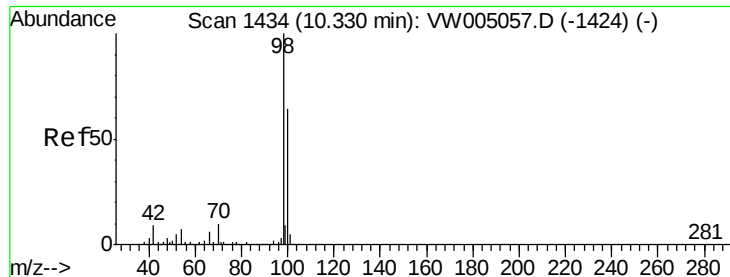
#38
Carbon Tetrachloride
Concen: 5.723 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Tgt Ion: 117 Resp: 34706
Ion Ratio Lower Upper
117 100
119 6.9 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: 47.608 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

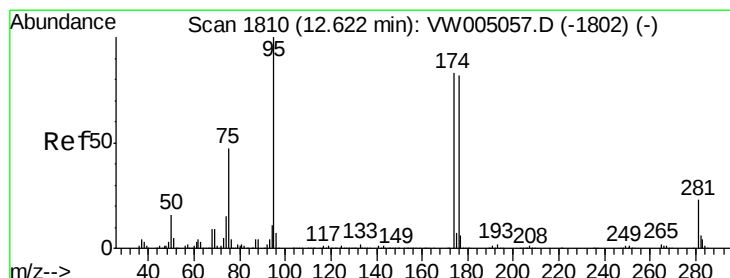
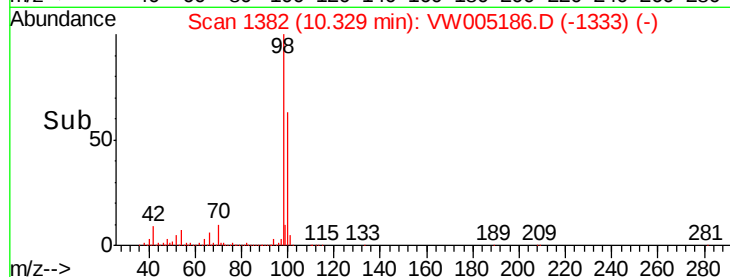
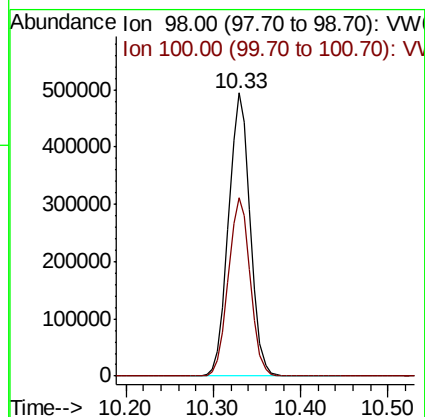
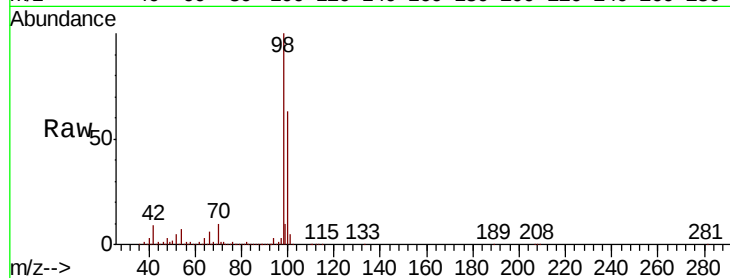
SB-01

Tgt Ion: 98 Resp: 848992

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 36.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

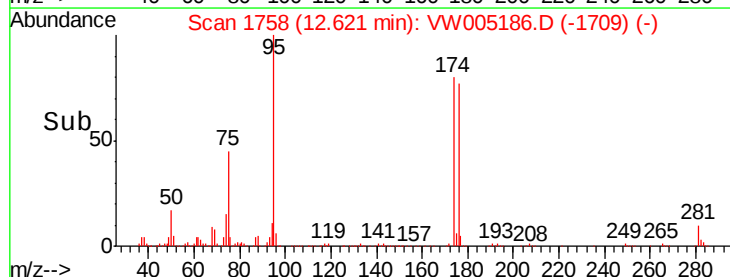
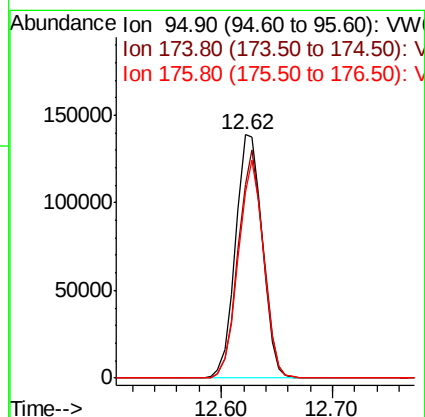
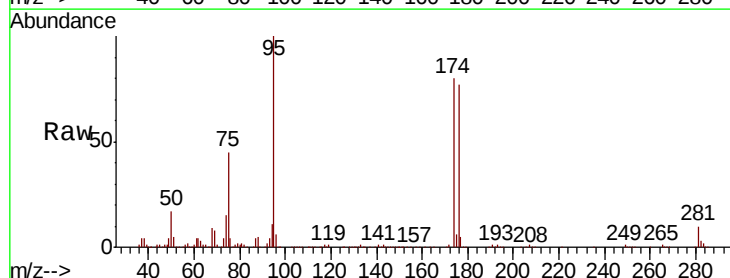
Tgt Ion: 95 Resp: 231351

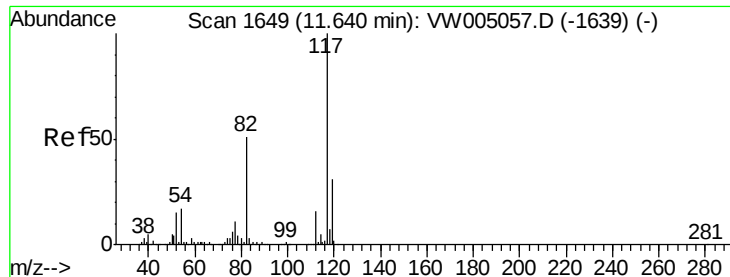
Ion Ratio Lower Upper

95 100

174 88.1 0.0 173.4

176 84.6 0.0 167.4

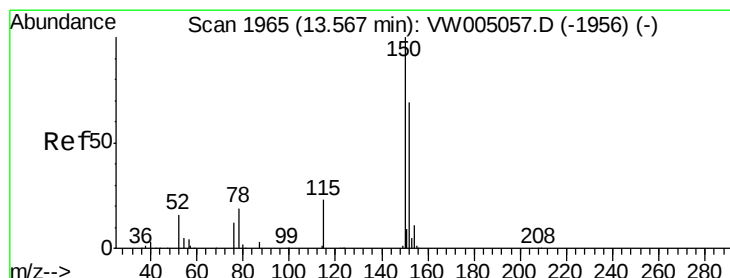
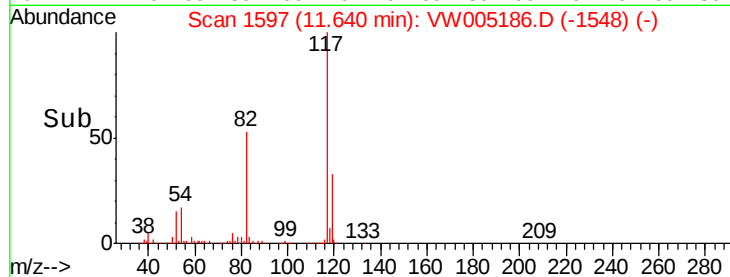
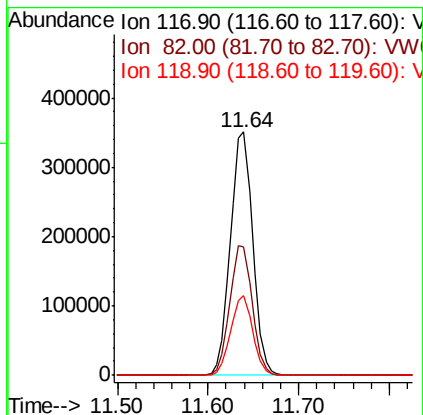
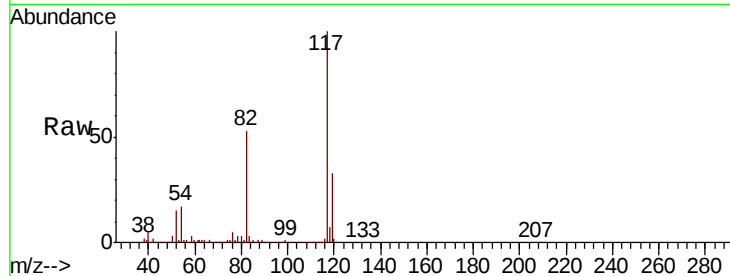




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

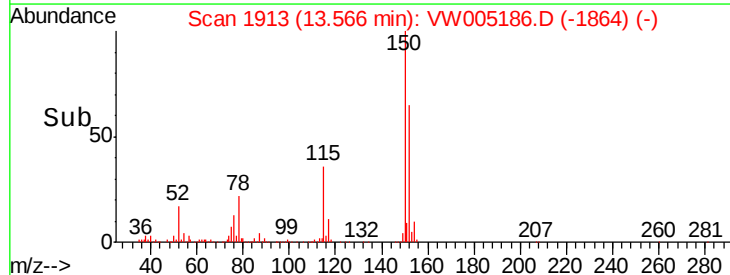
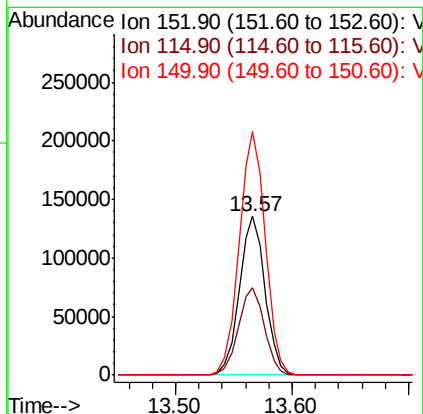
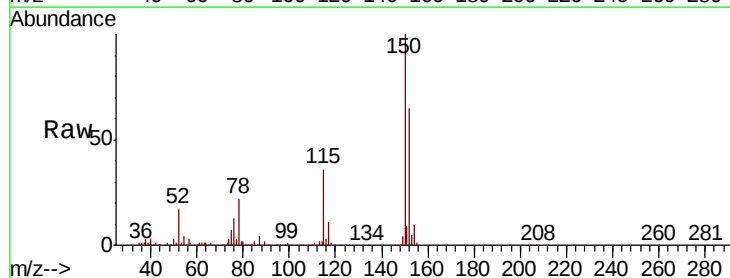
Instrument :
MSVOA_W
ClientSampleId :
SB-01

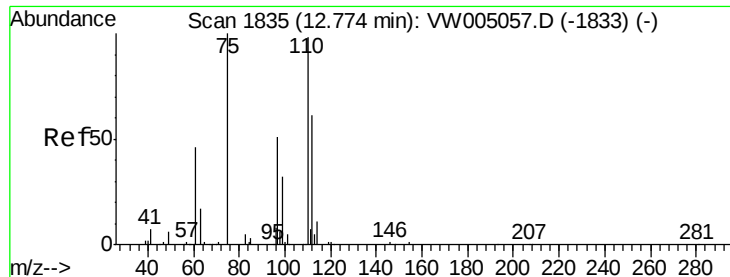
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.9	61.3
119	33.0	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.4
150	156.0	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 68.222 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

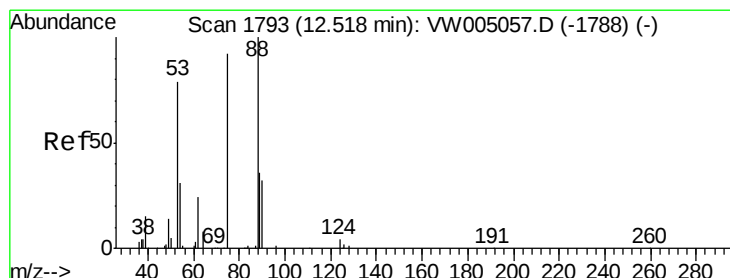
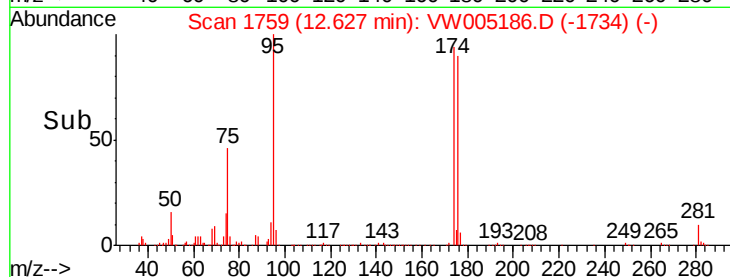
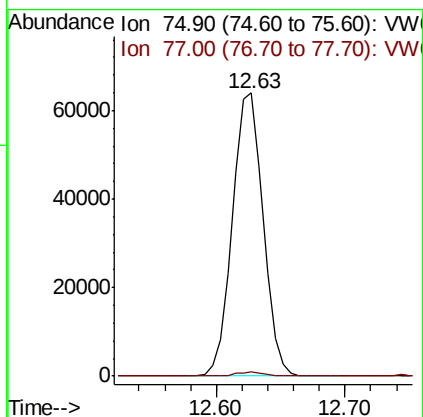
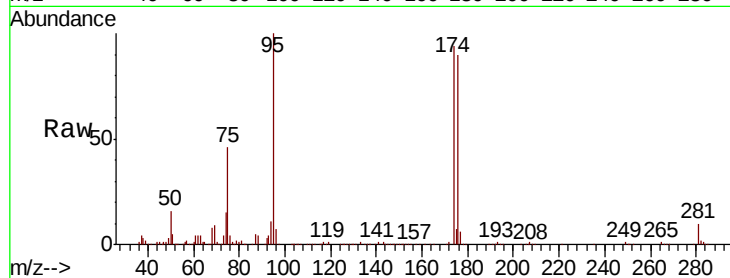
SB-01

Tgt Ion: 75 Resp: 106057

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 164.202 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005186.D

Acq: 07 Sep 2018 02:57

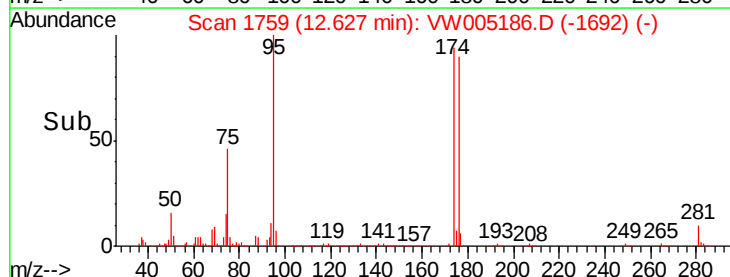
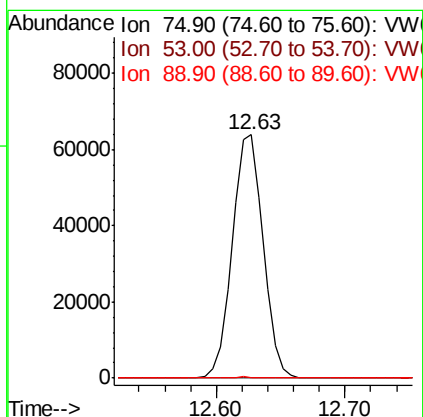
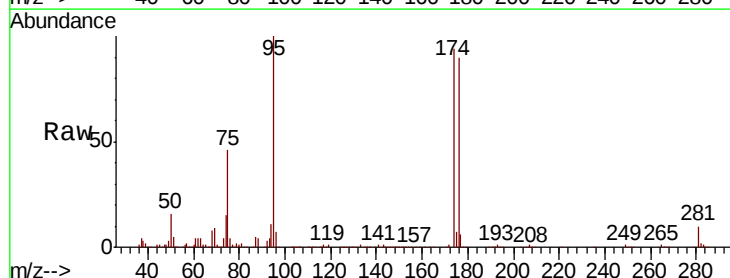
Tgt Ion: 75 Resp: 106057

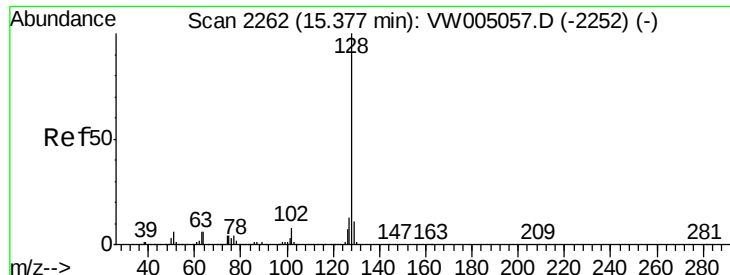
Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.2 36.0 54.0#

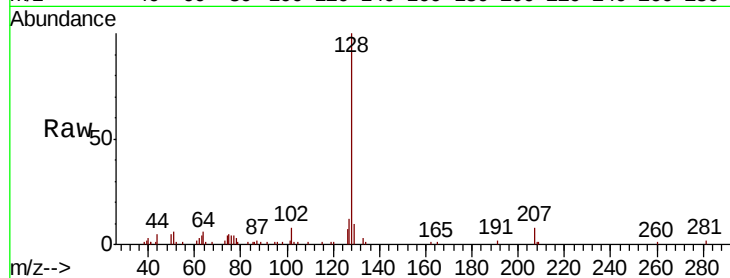




#95
Naphthalene
Concen: 6.137 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005186.D
Acq: 07 Sep 2018 02:57

Instrument :
MSVOA_W
ClientSampleId :
SB-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	12.5	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

