

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006178.D
 Acq On : 18 Oct 2018 16:18
 Operator : VA/AP
 Sample : J5575-09
 Misc : 5.3G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1015-S-DH-25A-B

Quant Time: Oct 19 06:02:20 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	266566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	386888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	187726	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	109792	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.88	113	104967	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
50) Toluene-d8	10.33	98	385167	44.28	ug/l	0.00
Spiked Amount			Recovery	=	88.56%	
62) 4-Bromofluorobenzene	12.62	95	145188	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

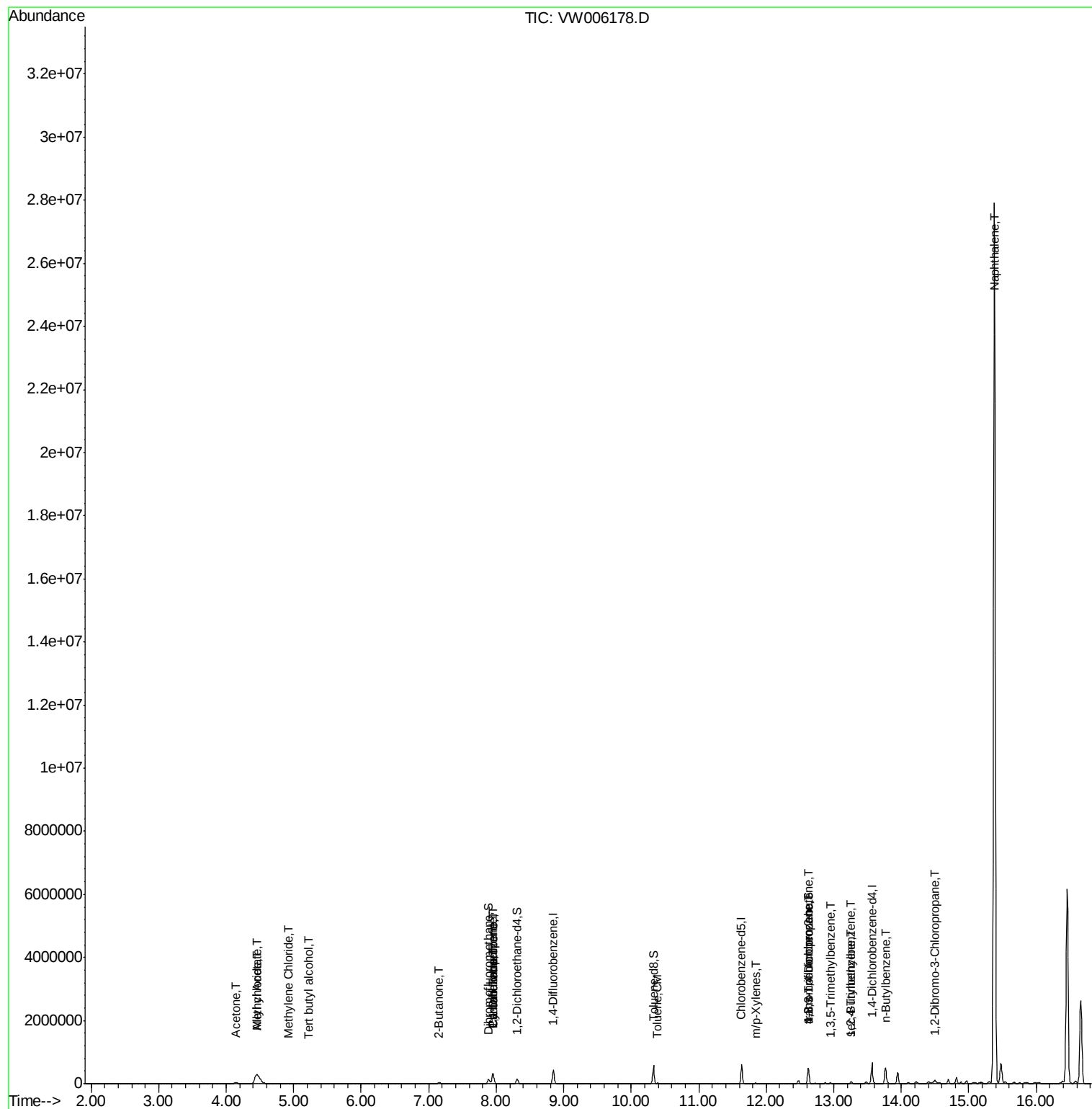
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	1749	11.767	ug/l #	81
14) Allyl chloride	4.45	41	82652	25.954	ug/l #	70
16) Acetone	4.14	43	73486	172.663	ug/l	99
18) Methyl Acetate	4.46	43	217313	195.398	ug/l #	49
20) Methylene Chloride	4.92	84	8265	1.971	ug/l	92
25) 2-Butanone	7.15	43	1021	1.710	ug/l #	46
31) Cyclohexane	7.95	56	4898	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16567	4.646	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24087	6.162	ug/l #	16
52) Toluene	10.39	92	7395	1.128	ug/l	99
68) m/p-Xylenes	11.84	106	5869	1.147	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	74866	52.213	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	18500	1.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74866	124.810	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	37683	3.331	ug/l	98
85) sec-Butylbenzene	13.26	105	37683	2.667	ug/l #	55
89) n-Butylbenzene	13.76	91	47047	4.025	ug/l #	42
92) 1,2-Dibromo-3-Chloropropan	14.50	75	2775	7.684	ug/l #	1
95) Naphthalene	15.37	128	20810051	2819.389	ug/l #	83

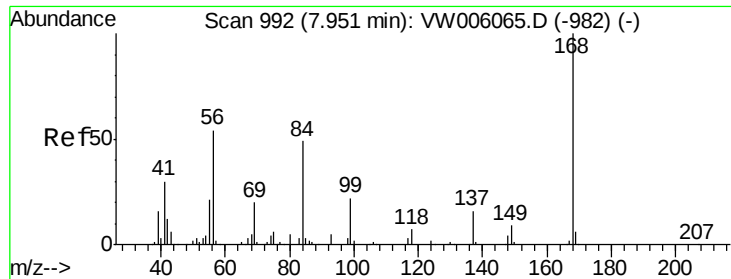
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.3G/5ML/MSVOA W/SOIL
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Instrument :
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SSSI-1015-S-DH-25A-B

Quant Time: Oct 19 06:02:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

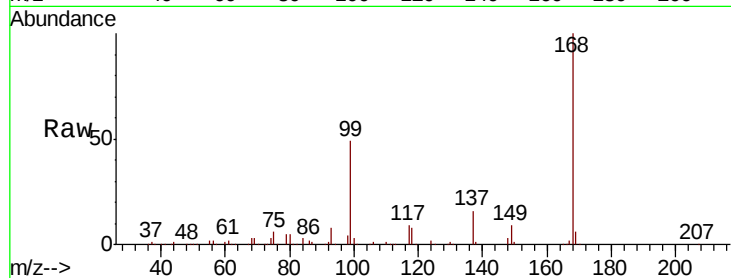
SSSI-1015-S-DH-25A-B

Tot Ion:168 Resp: 266566

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

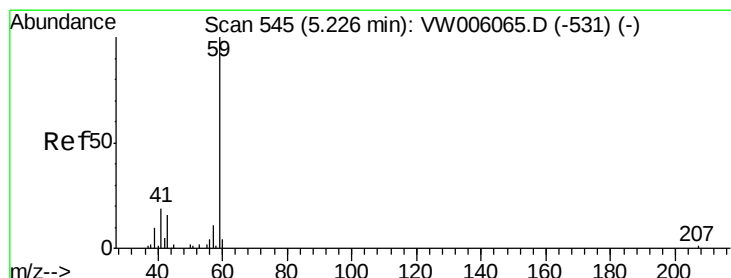
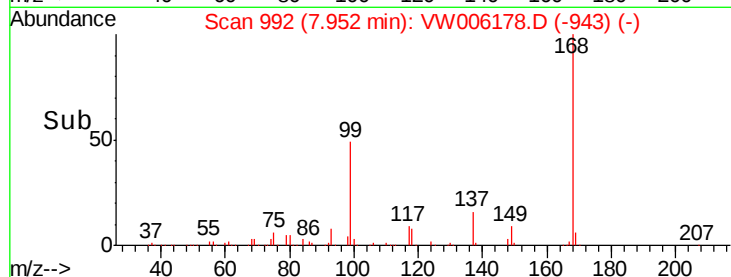
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.767 ug/l

RT: 5.22 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW006178.D

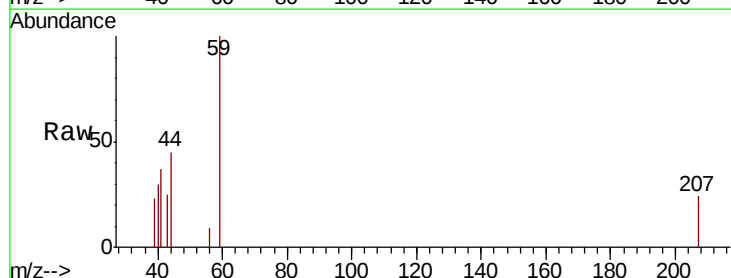
Acq: 18 Oct 2018 16:18

Tgt Ion: 59 Resp: 1749

Ion Ratio Lower Upper

59 100

57 3.5 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

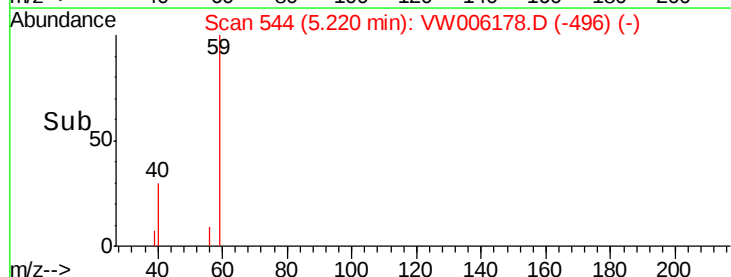
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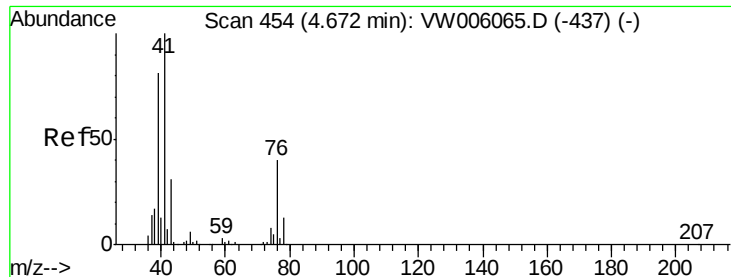
400

200

0

Time-->





#14

Allvl chloride

Concen: 25.954 ug/l

RT: 4.45 min Scan# 418

Delta R.T. -0.22 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1015-S-DH-25A-B

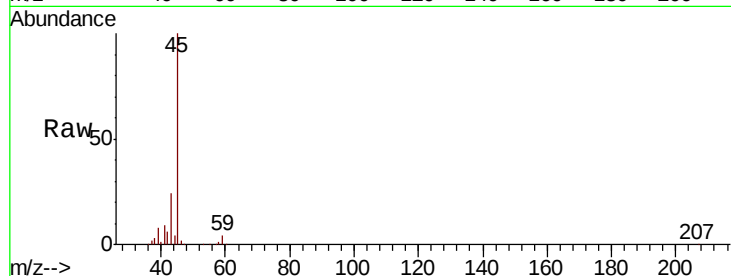
Tot Ion: 41 Resp: 82652

Ion Ratio Lower Upper

41 100

39 91.1 64.1 96.1

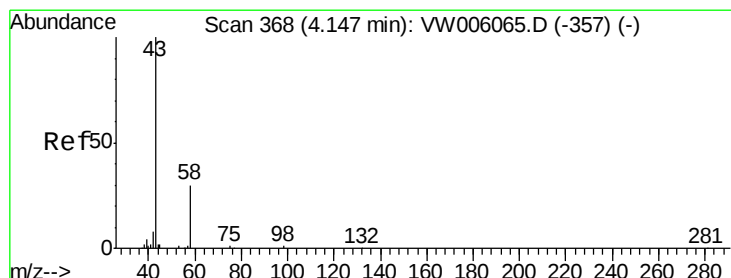
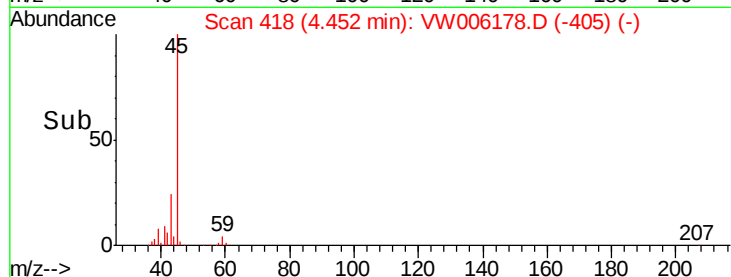
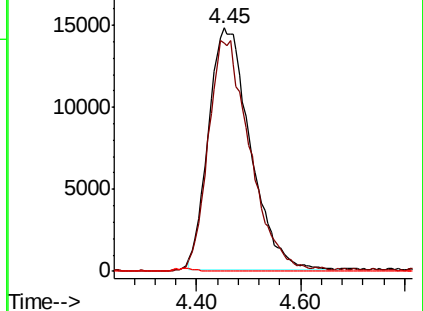
76 0.0 32.2 48.4#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



#16

Acetone

Concen: 172.663 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006178.D

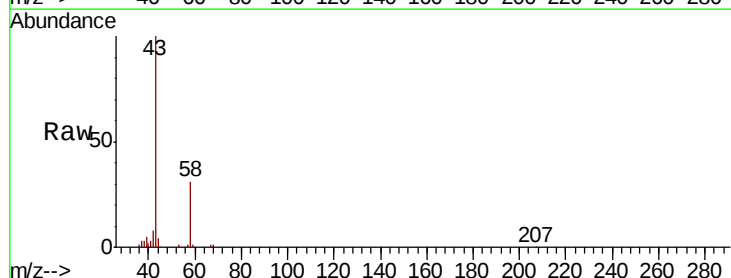
Acq: 18 Oct 2018 16:18

Tgt Ion: 43 Resp: 73486

Ion Ratio Lower Upper

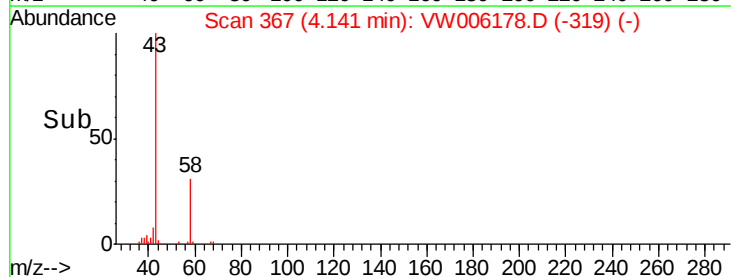
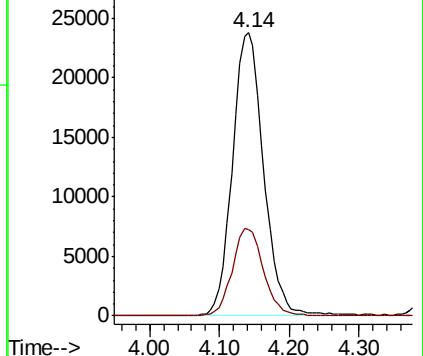
43 100

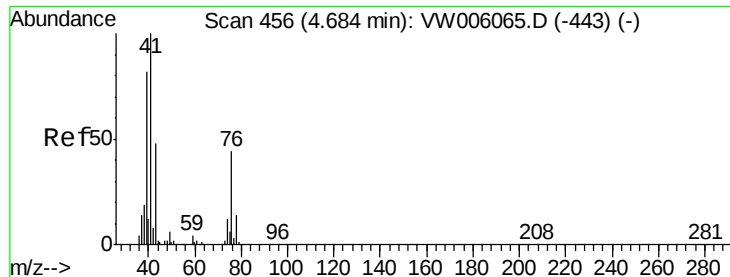
58 30.5 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

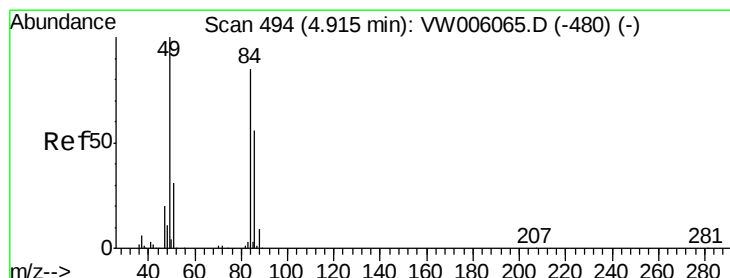
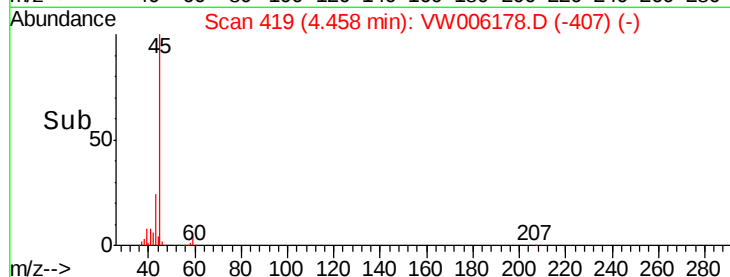
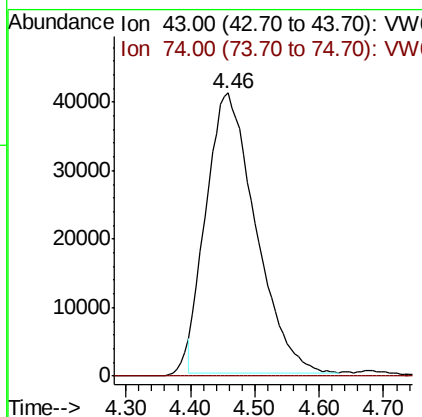
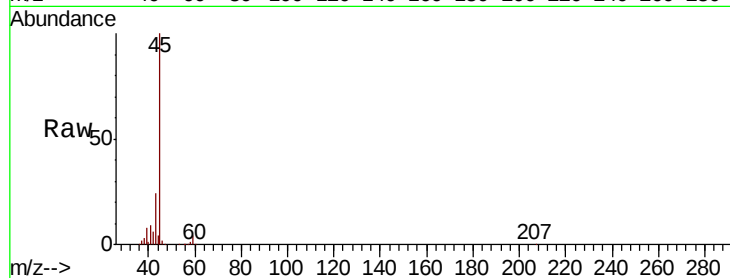




#18
Methyl Acetate
Concen: 195.398 ug/l
RT: 4.46 min Scan# 419
Delta R.T. -0.23 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

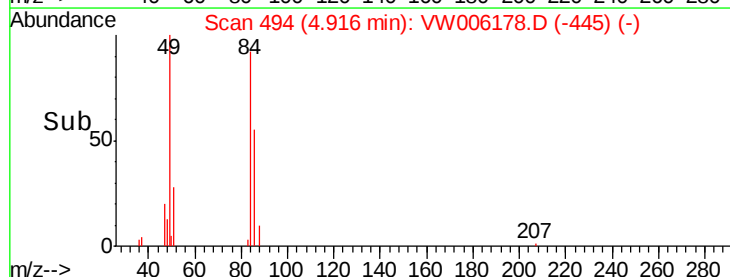
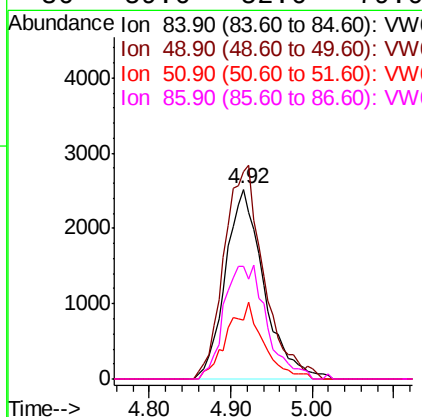
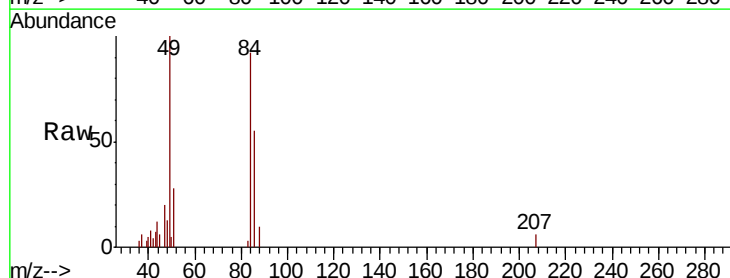
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1015-S-DH-25A-B

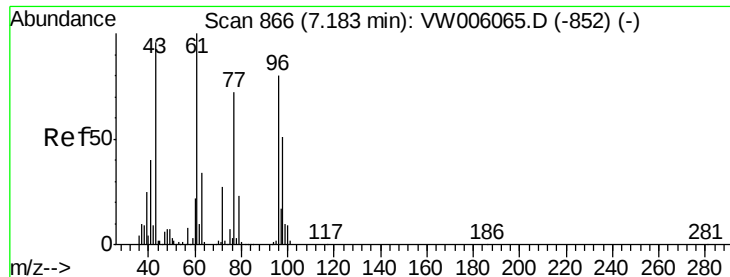
Tot Ion: 43 Resp: 217313
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#20
Methylene Chloride
Concen: 1.971 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

Tgt Ion: 84 Resp: 8265
Ion Ratio Lower Upper
84 100
49 109.1 93.6 140.4
51 31.1 29.0 43.4
86 59.6 52.6 79.0

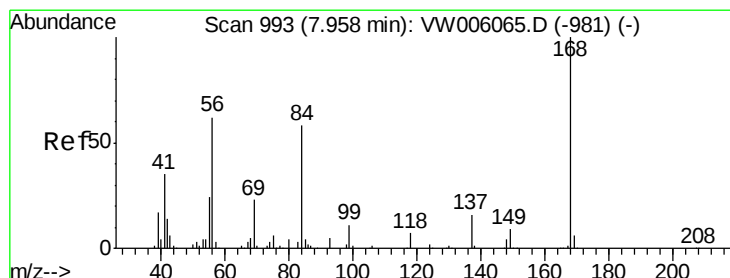
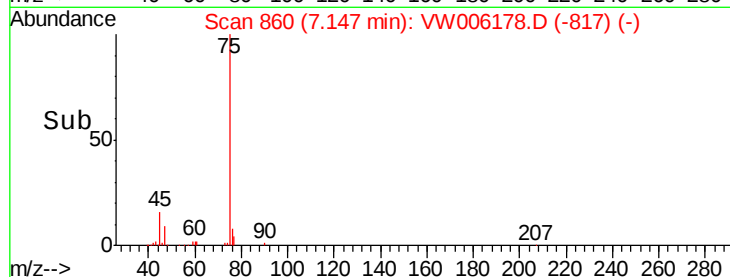
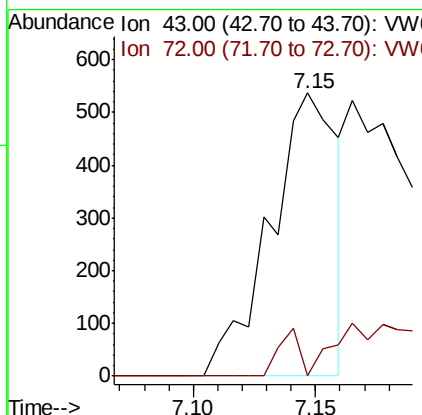
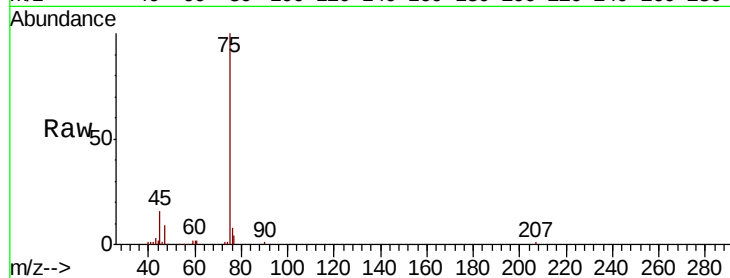




#25
2-Butanone
Concen: 1.710 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

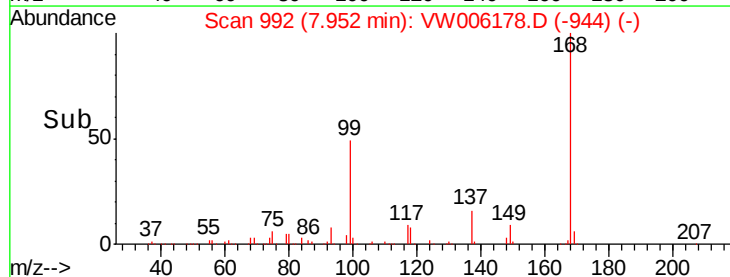
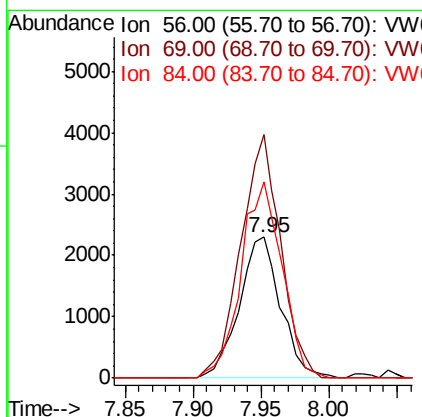
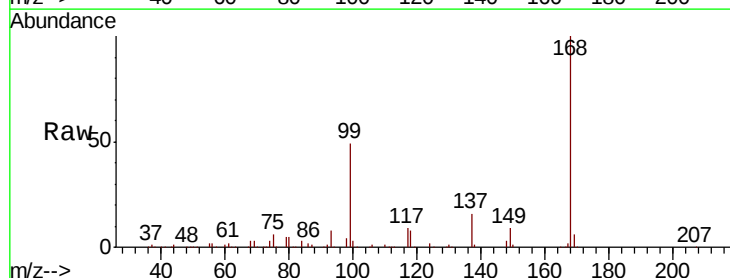
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1015-S-DH-25A-B

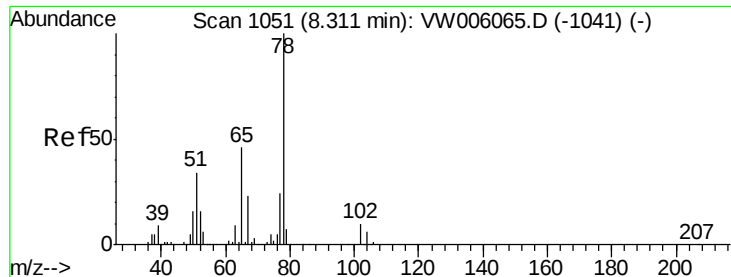
Tot Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

Tgt Ion: 56 Resp: 4898
Ion Ratio Lower Upper
56 100
69 172.9 29.4 44.0#
84 139.7 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 49.680 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

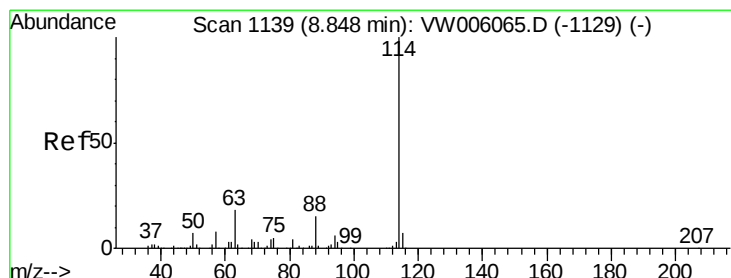
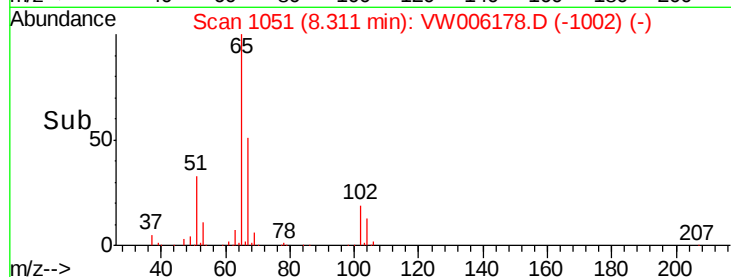
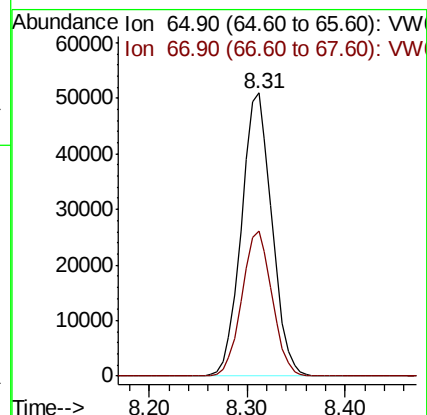
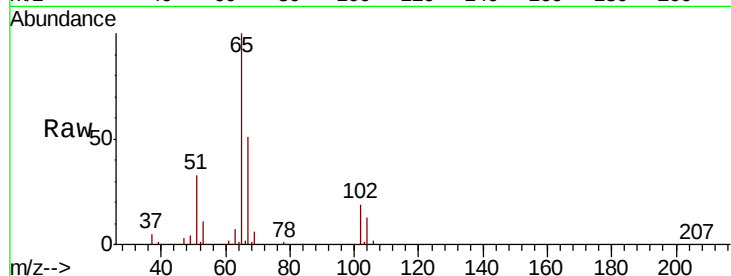
SSSI-1015-S-DH-25A-B

Tot Ion: 65 Resp: 109792

Ion Ratio Lower Upper

65 100

67 51.0 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: VW006178.D

Acq: 18 Oct 2018 16:18

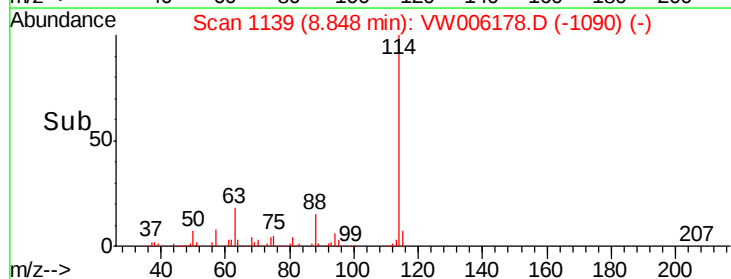
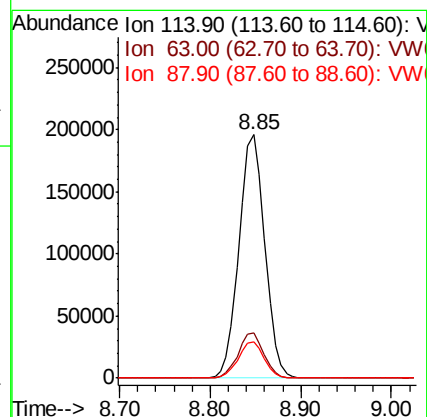
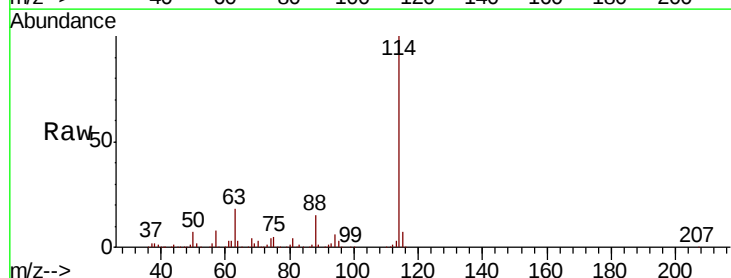
Tgt Ion: 114 Resp: 386888

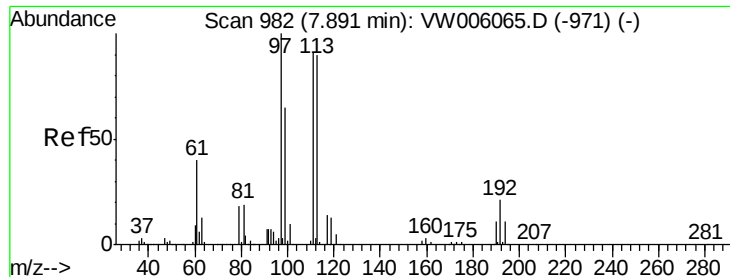
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.6 0.0 29.0

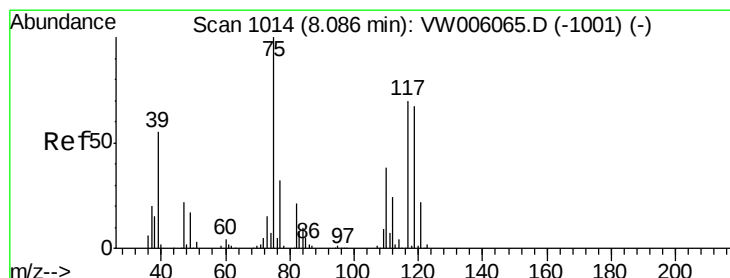
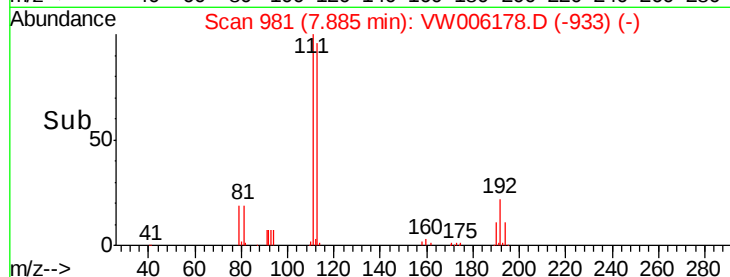
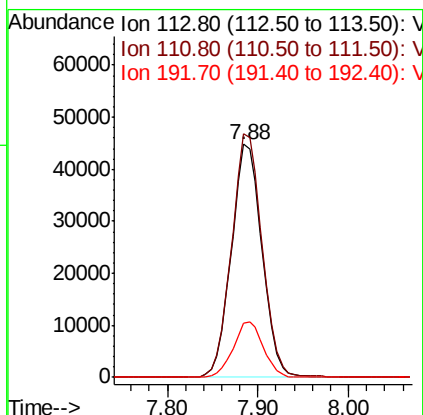
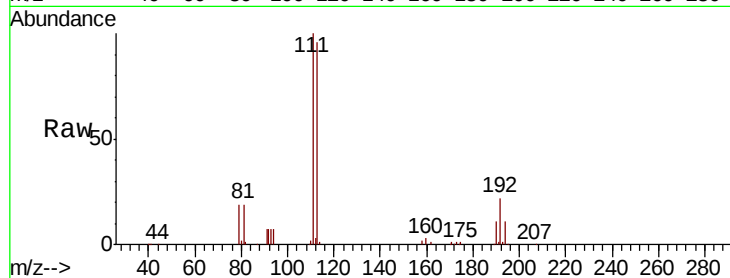




#35
 Dibromofluoromethane
 Concen: 45.915 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

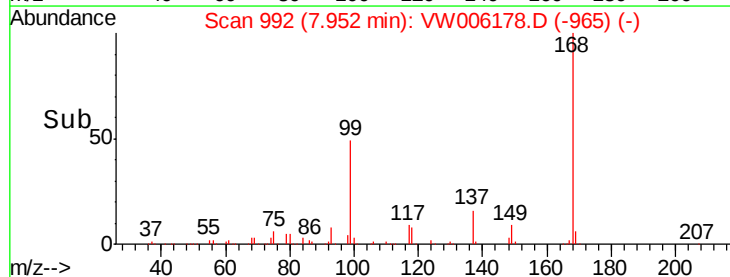
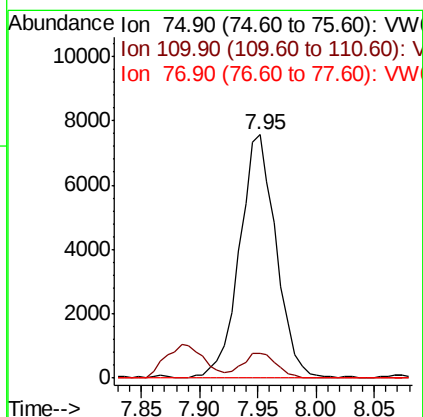
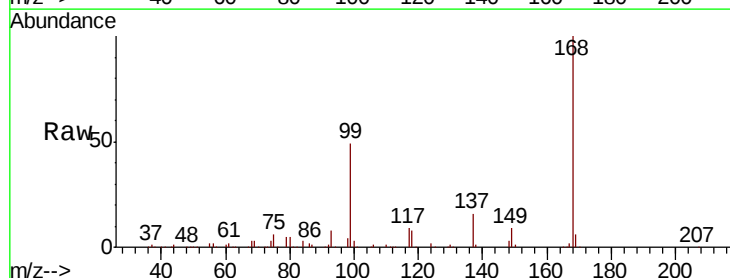
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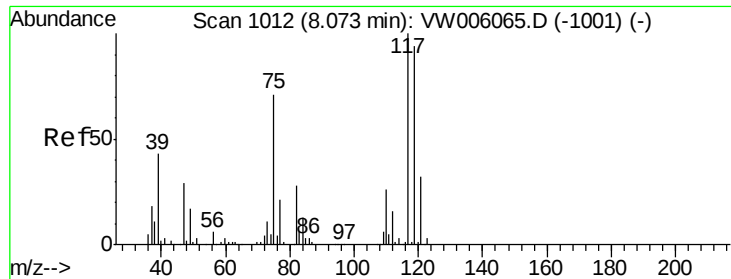
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	23.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.1#
77	0.0	25.0	37.4#

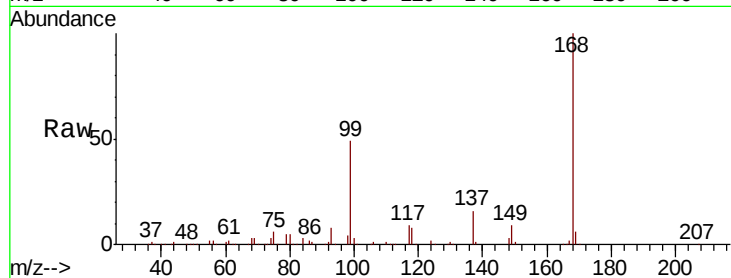




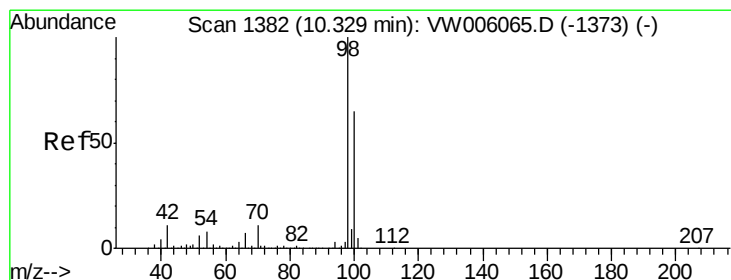
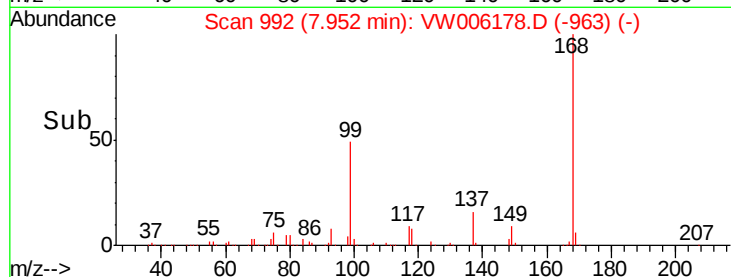
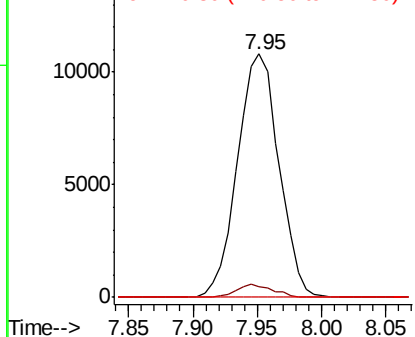
#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1015-S-DH-25A-B

Tot Ion:117 Resp: 24087
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 25.3 37.9#

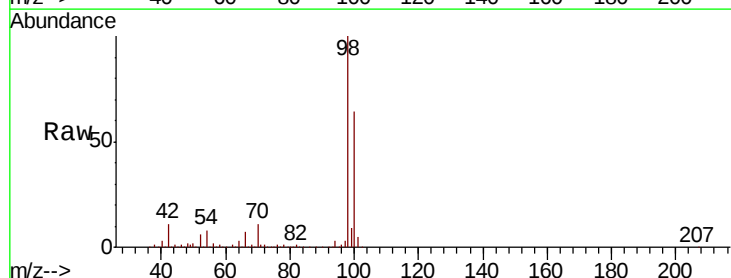


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

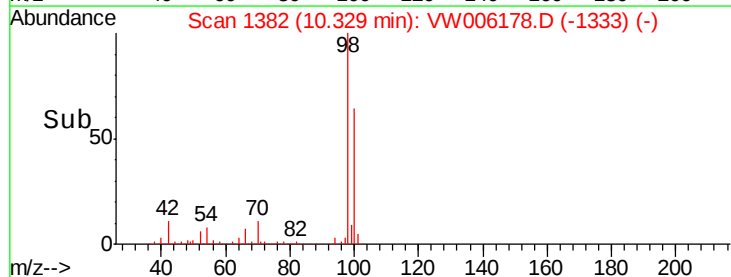
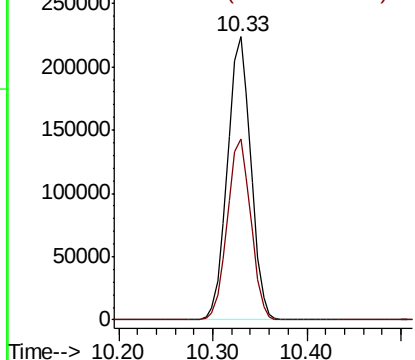


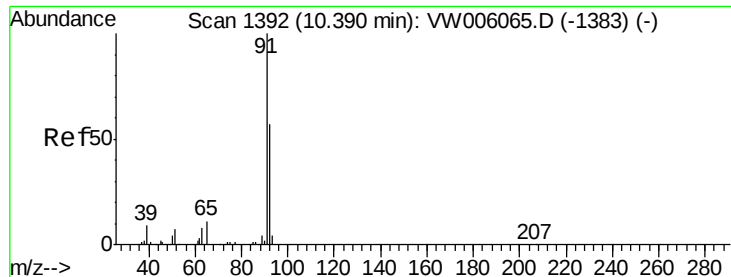
#50
Toluene-d8
Concen: 44.285 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

Tgt Ion: 98 Resp: 385167
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.128 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

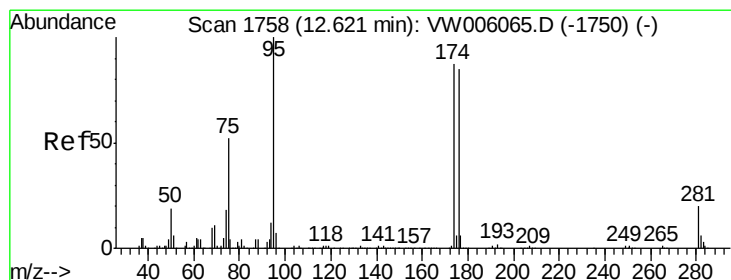
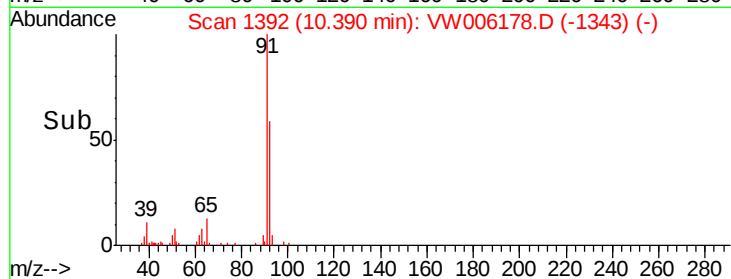
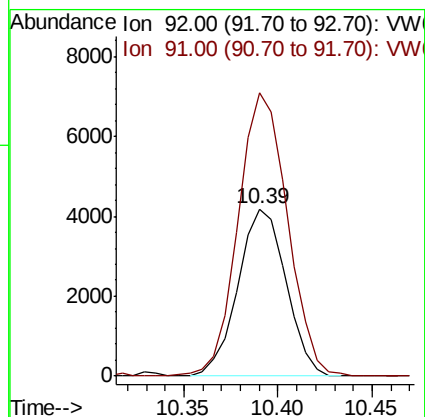
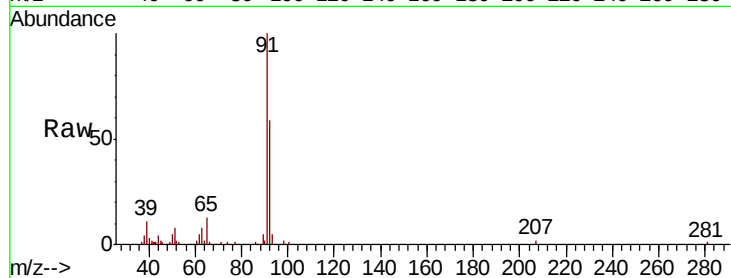
SSSI-1015-S-DH-25A-B

Tot Ion: 92 Resp: 7395

Ion Ratio Lower Upper

92 100

91 173.8 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 44.445 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

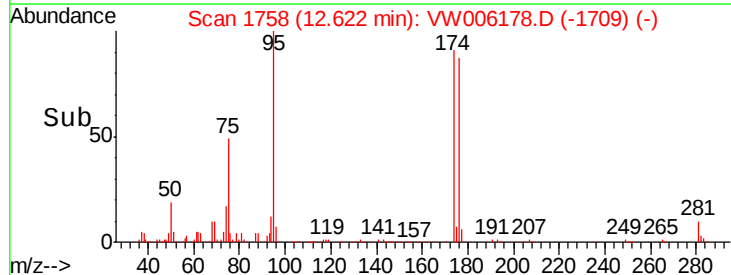
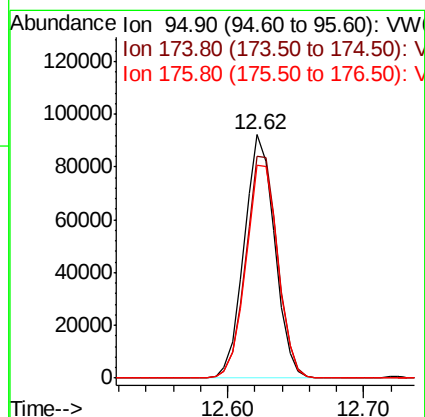
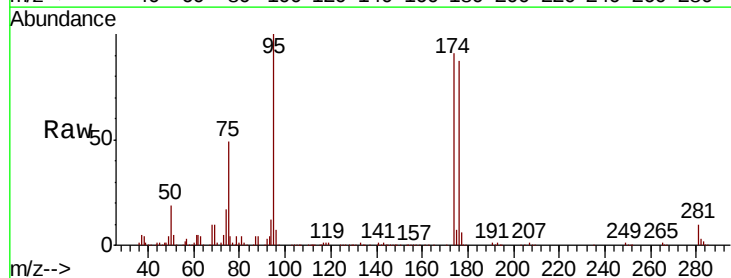
Tgt Ion: 95 Resp: 145188

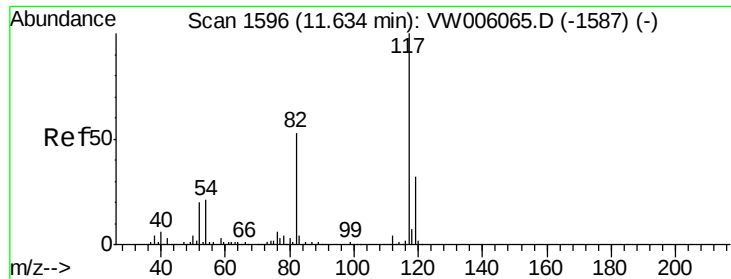
Ion Ratio Lower Upper

95 100

174 94.8 0.0 186.0

176 91.6 0.0 181.6

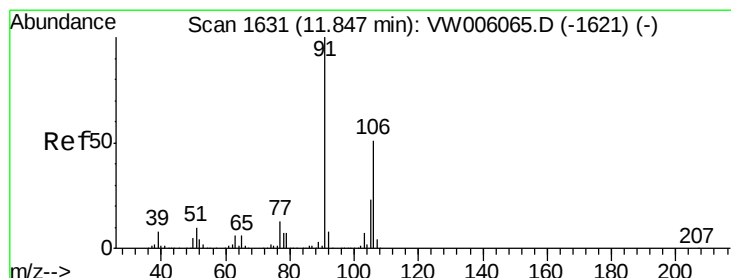
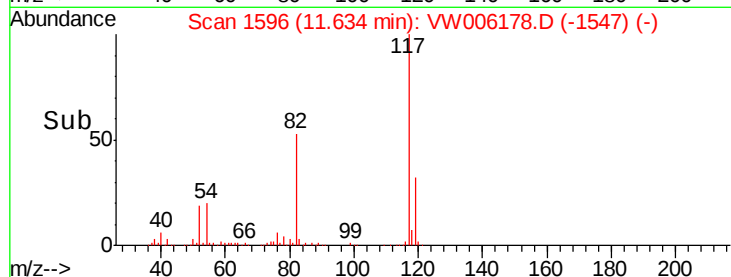
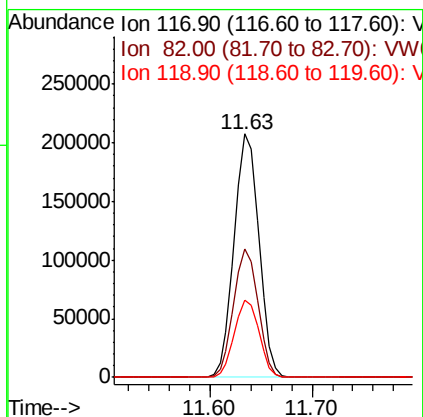
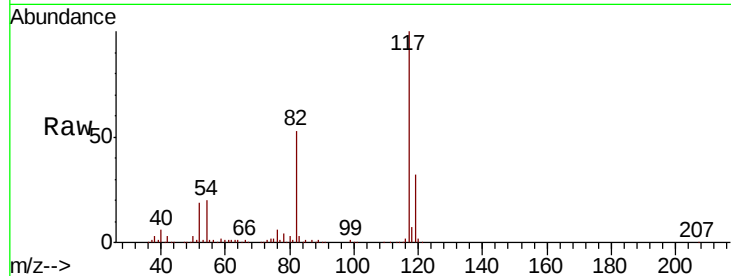




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

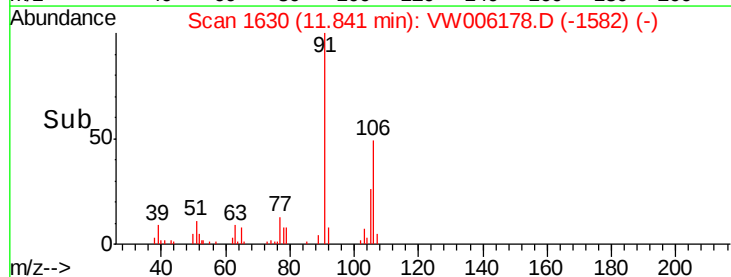
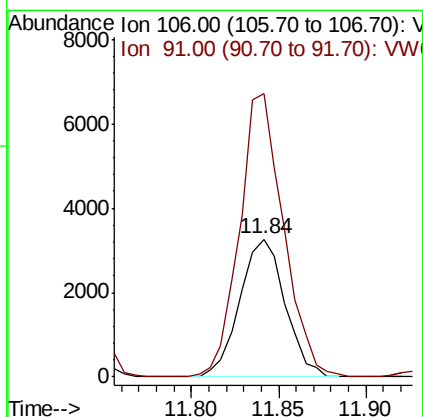
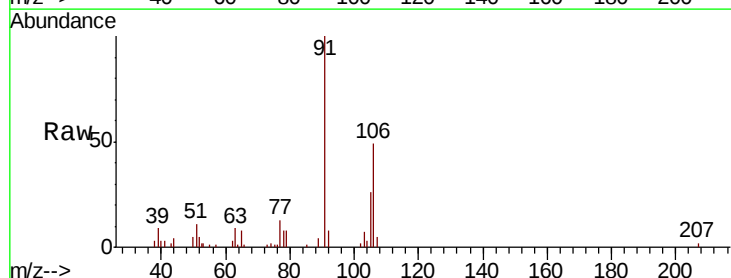
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1015-S-DH-25A-B

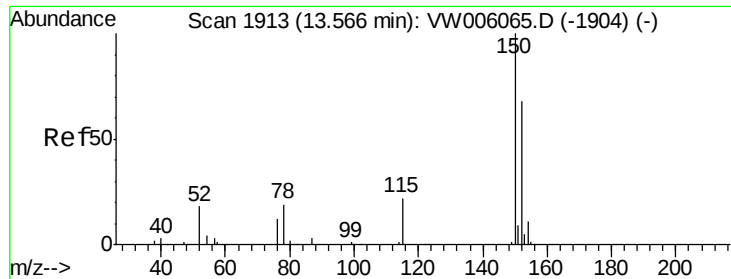
Tot Ion:117 Resp: 348844
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 31.8 25.8 38.6



#68
m/p-Xylenes
Concen: 1.147 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006178.D
Acq: 18 Oct 2018 16:18

Tgt Ion:106 Resp: 5869
Ion Ratio Lower Upper
106 100
91 201.0 159.1 238.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1015-S-DH-25A-B

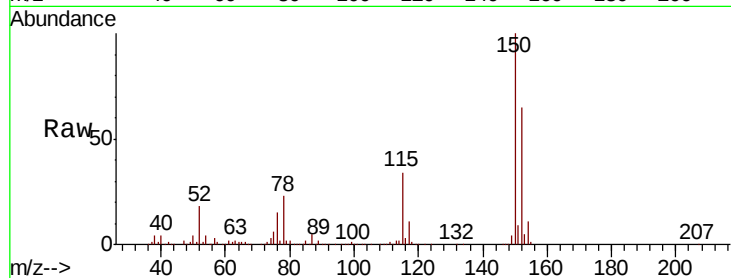
Tot Ion:152 Resp: 187726

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.3

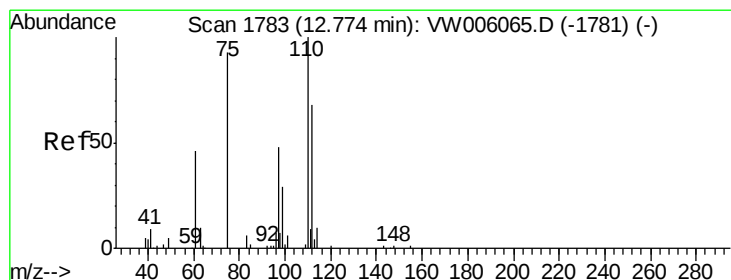
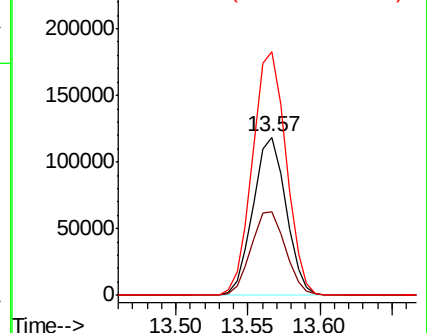
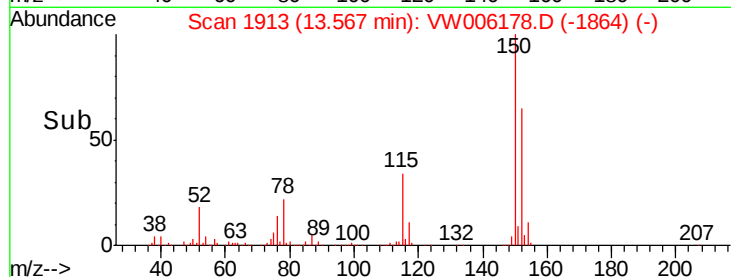
150 157.0 0.0 349.2



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: 52.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006178.D

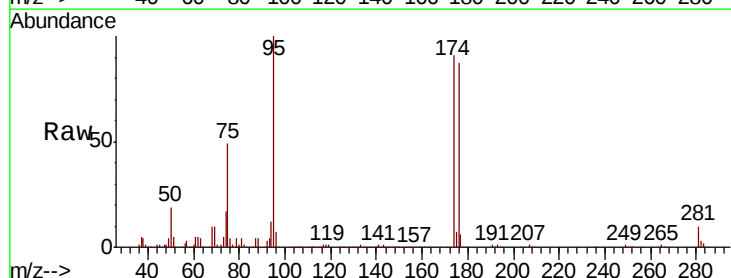
Acq: 18 Oct 2018 16:18

Tgt Ion: 75 Resp: 74866

Ion Ratio Lower Upper

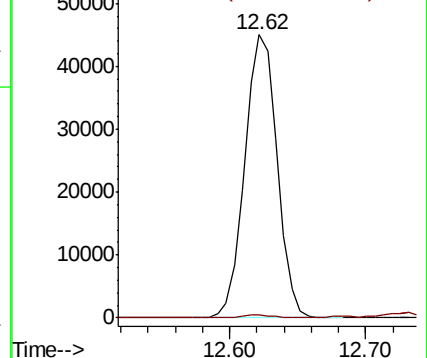
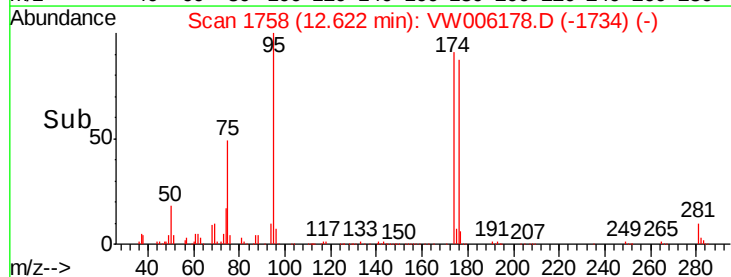
75 100

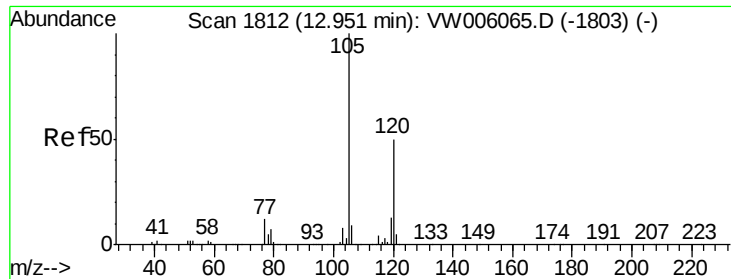
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

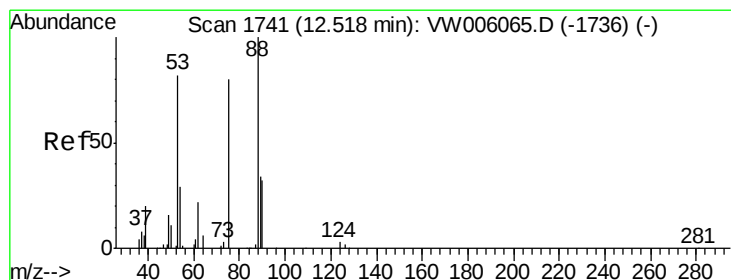
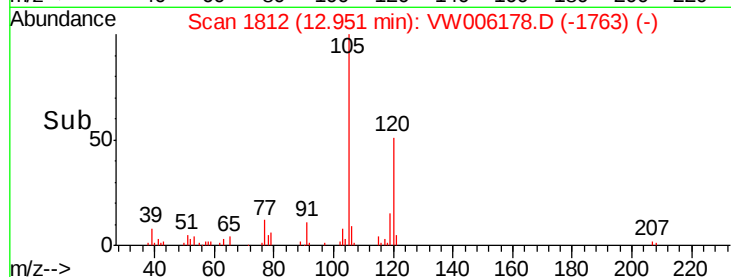
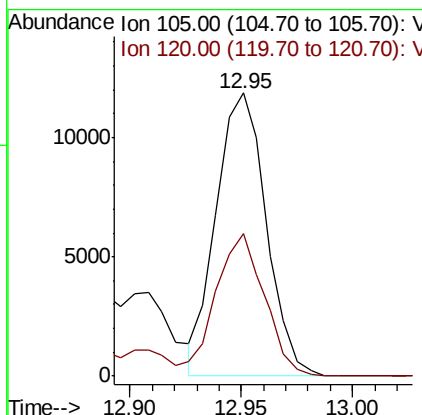
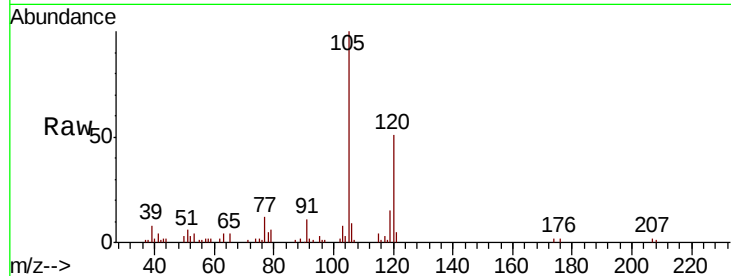




#80
 1,3,5-Trimethylbenzene
 Concen: 1.655 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

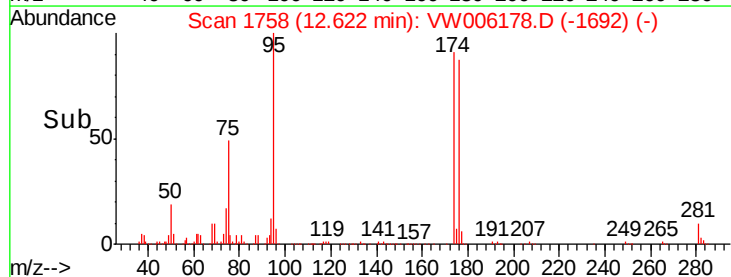
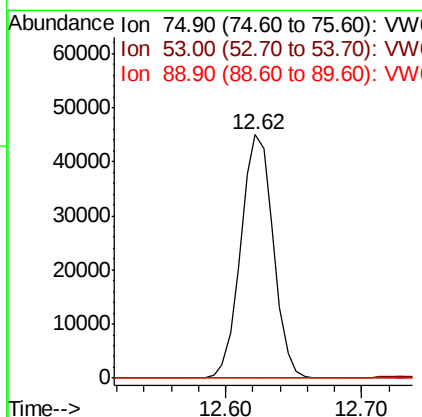
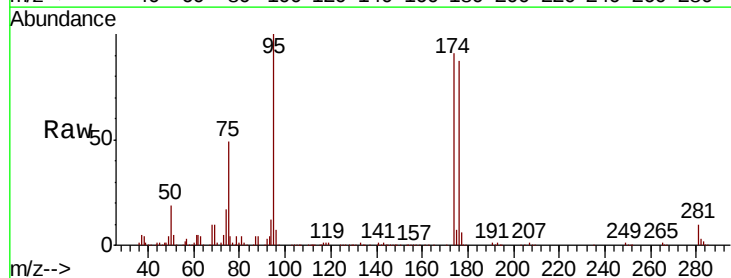
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1015-S-DH-25A-B

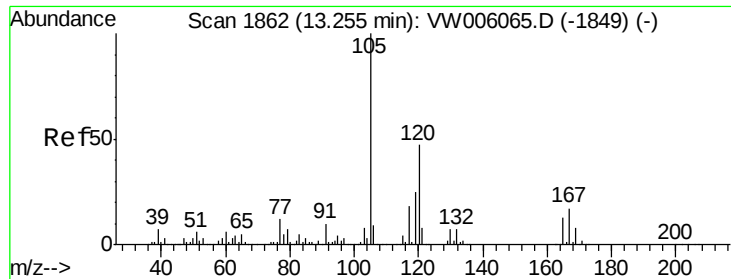
Tot Ion:105 Resp: 18500
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.810 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

Tgt Ion: 75 Resp: 74866
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.0 37.5 56.3#

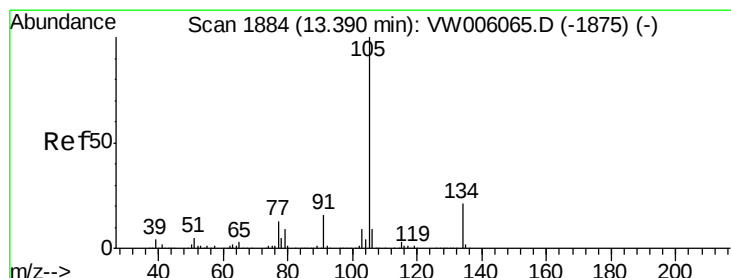
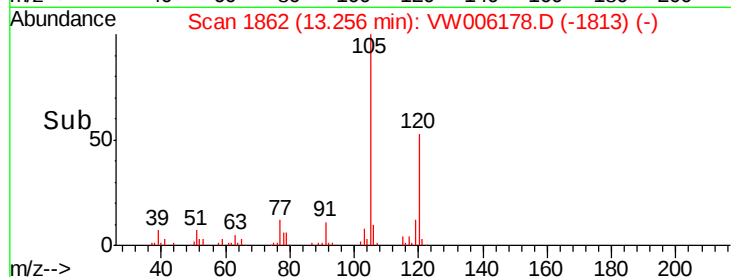
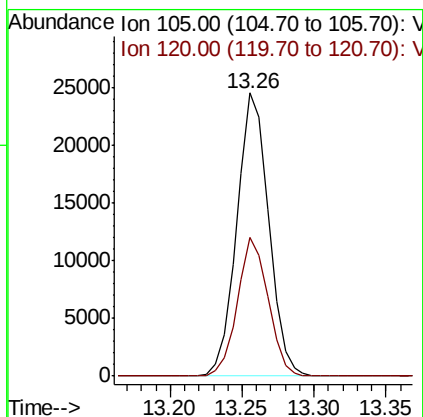
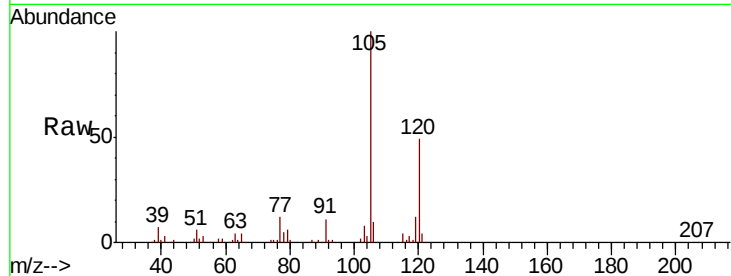




#84
 1,2,4-Trimethylbenzene
 Concen: 3.331 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

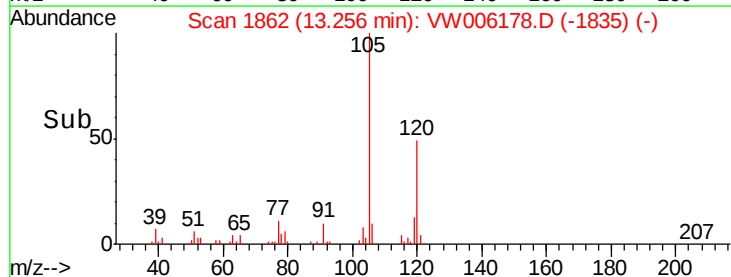
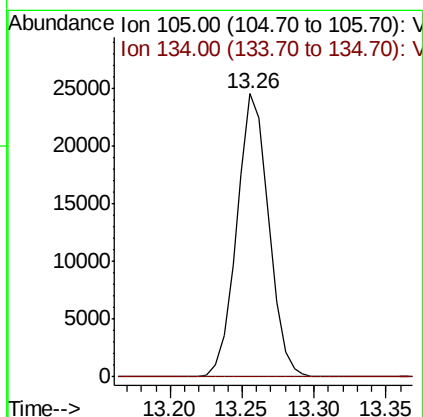
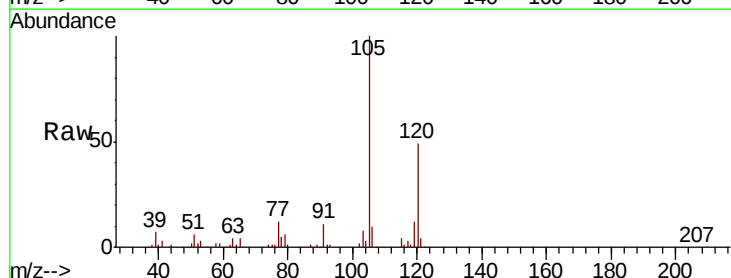
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1015-S-DH-25A-B

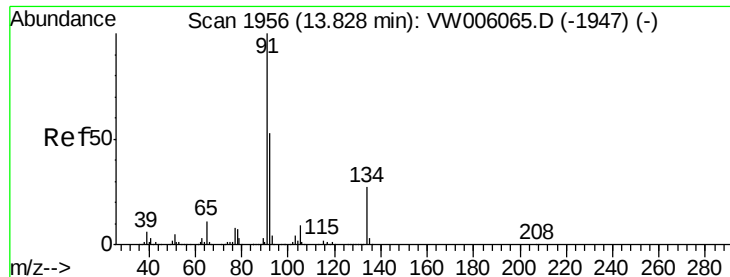
Tot Ion:105 Resp: 37683
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 2.667 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW006178.D
 Acq: 18 Oct 2018 16:18

Tgt Ion:105 Resp: 37683
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.6#





#89

n-Butylbenzene

Concen: 4.025 ug/l

RT: 13.76 min Scan# 1945

Delta R.T. -0.07 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1015-S-DH-25A-B

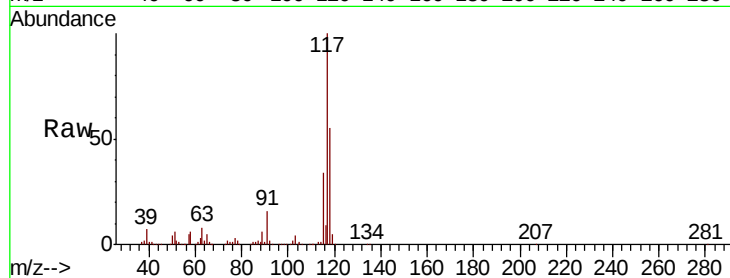
Tot Ion: 91 Resp: 47047

Ion Ratio Lower Upper

91 100

92 10.1 26.6 79.7#

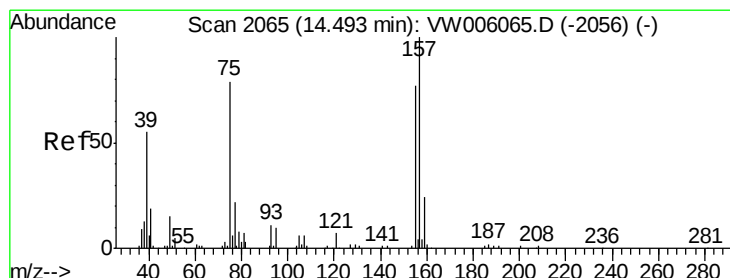
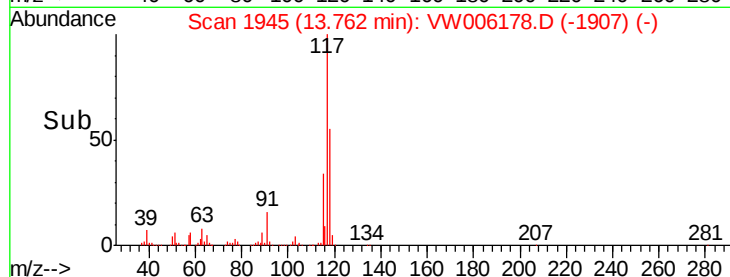
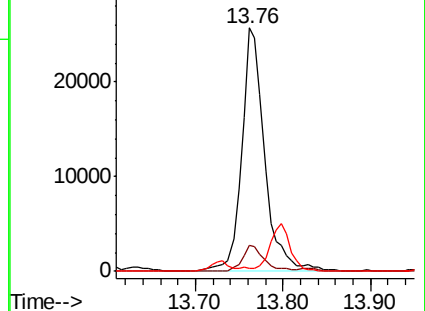
134 0.0 14.0 41.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.684 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

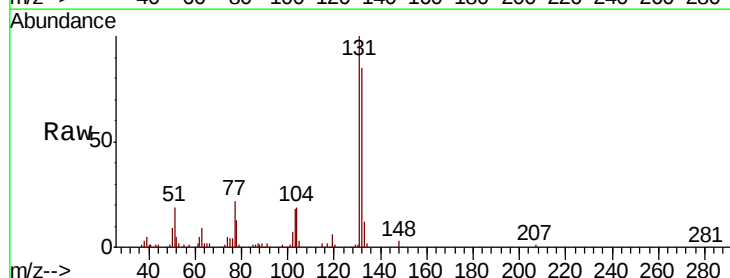
Tgt Ion: 75 Resp: 2775

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

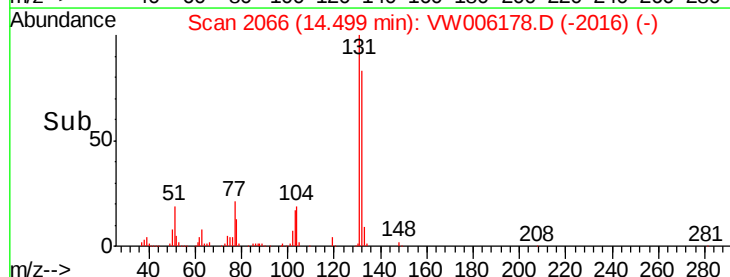
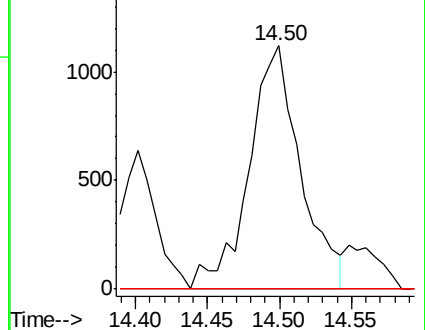
157 0.0 59.8 179.4#

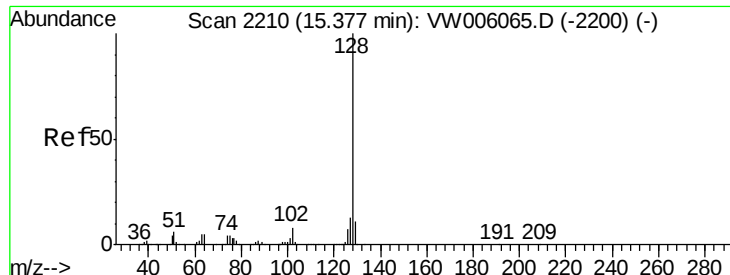


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2819.389 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW006178.D

Acq: 18 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1015-S-DH-25A-B

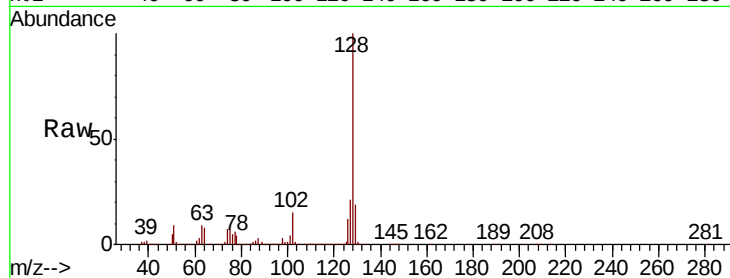
Tot Ion:128 Resp:20810051

Ion Ratio Lower Upper

128 100

127 19.8 10.3 15.5#

129 17.5 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

