

Data File : VW005094.D
Acq On : 04 Sep 2018 21:30
Operator : SY/AP
Sample : J4712-02
Misc : 5.60G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14

Quant Time: Sep 05 04:15:41 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	319555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	501660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123005	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.89	113	120860	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	
50) Toluene-d8	10.33	98	112979	8.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.92%	
62) 4-Bromofluorobenzene	12.62	95	106165	22.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.08%	

Target Compounds

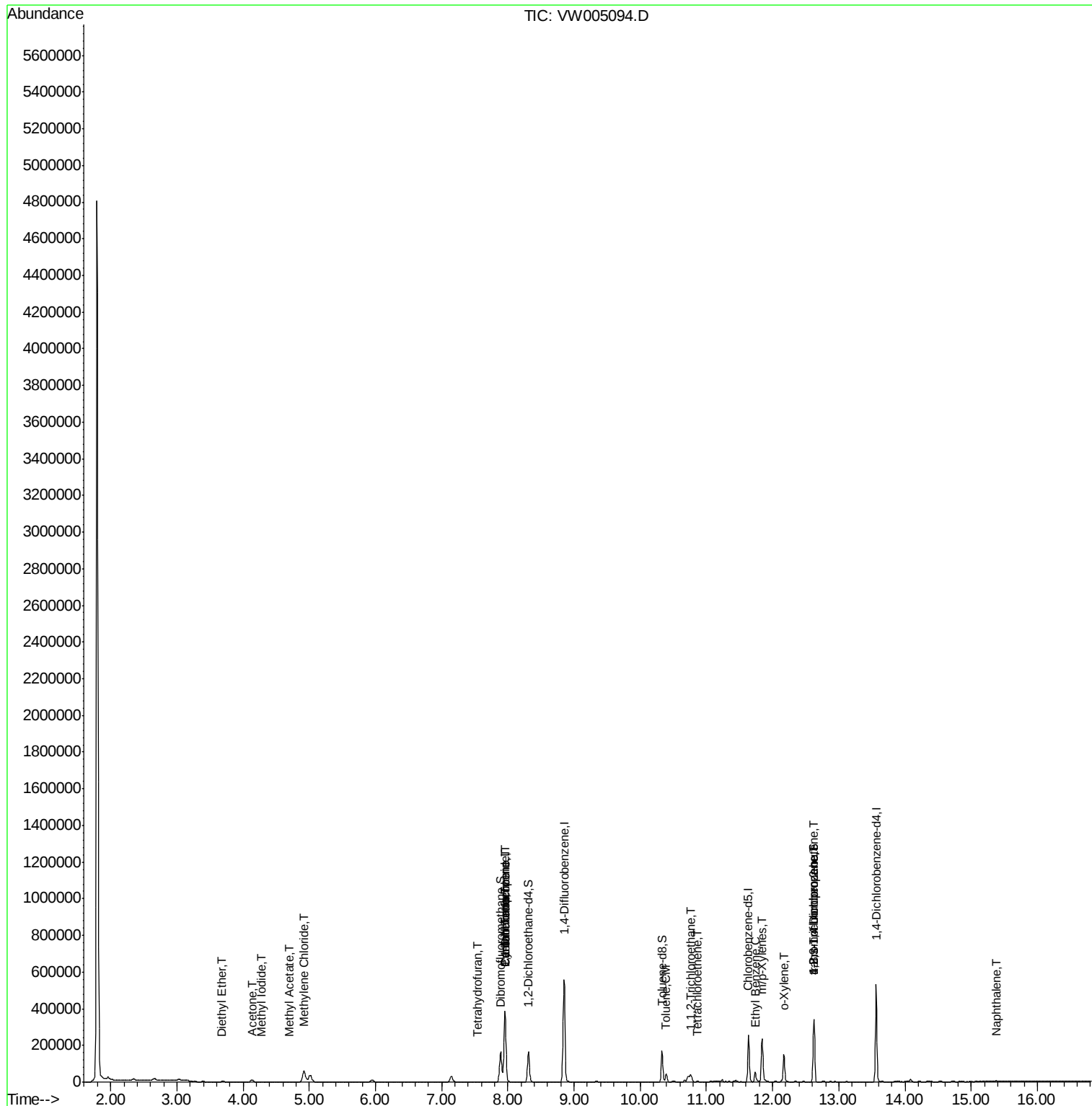
						Qvalue
5) Bromomethane	2.76	94	598	Below Cal	#	29
8) Diethyl Ether	3.68	74	1566	1.059	ug/l	81
10) Methyl Iodide	4.27	142	120	3.845	ug/l #	44
11) Tert butyl alcohol	5.14	59	862	Below Cal	#	72
16) Acetone	4.14	43	17718	33.352	ug/l	98
18) Methyl Acetate	4.69	43	3224	2.063	ug/l #	79
20) Methylene Chloride	4.92	84	49505	10.737	ug/l	95
29) Tetrahydrofuran	7.54	42	606	1.287	ug/l	95
31) Cyclohexane	7.95	56	5616	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20708	4.334	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27436	6.039	ug/l #	17
52) Toluene	10.40	92	18872	1.904	ug/l	97
55) 1,1,2-Trichloroethane	10.76	97	3257	1.231	ug/l #	22
64) Tetrachloroethene	10.87	164	1228	1.005	ug/l #	62
67) Ethyl Benzene	11.74	91	34814	5.874	ug/l	98
68) m/p-Xylenes	11.84	106	71842	30.276	ug/l	97
69) o-Xylene	12.17	106	41106	18.737	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	48138	41.519	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48138	99.932	ug/l #	15
95) Naphthalene	15.38	128	4743	4.763	ug/l	99

(#) = 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# 1045

Delta R.T. 0.00 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

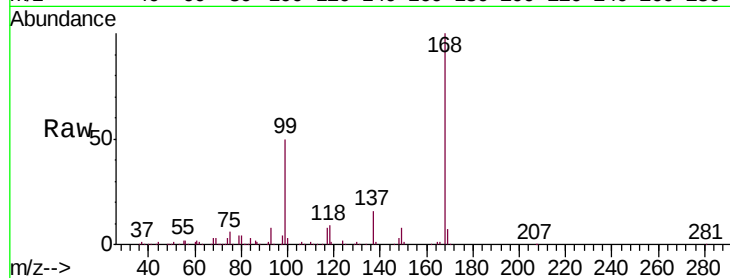
SB-14

Tgt Ion: 168 Resp: 319555

Ion Ratio Lower Upper

168 100

99 50.0 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

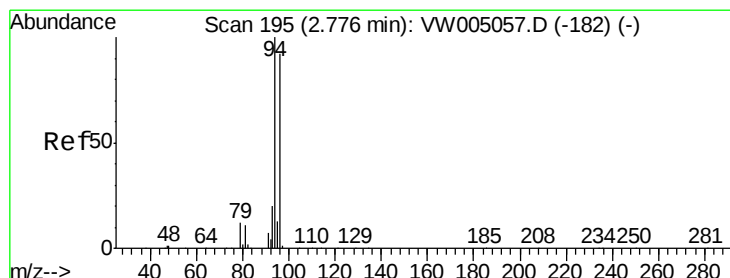
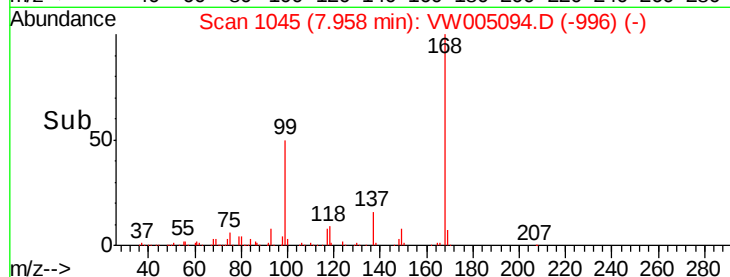
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005094.D

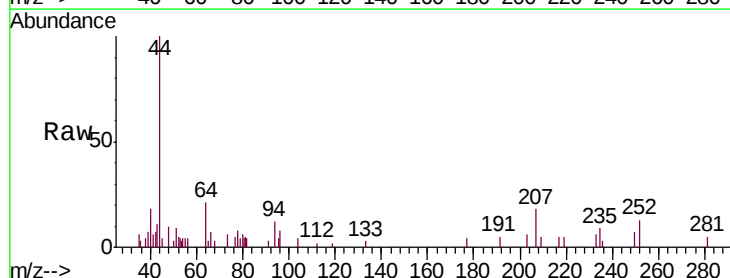
Acq: 04 Sep 2018 21:30

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 24.0 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

300

250

200

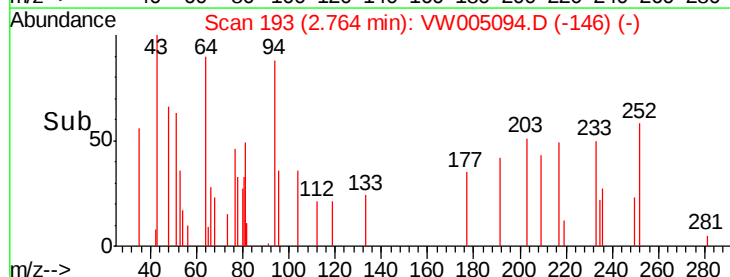
150

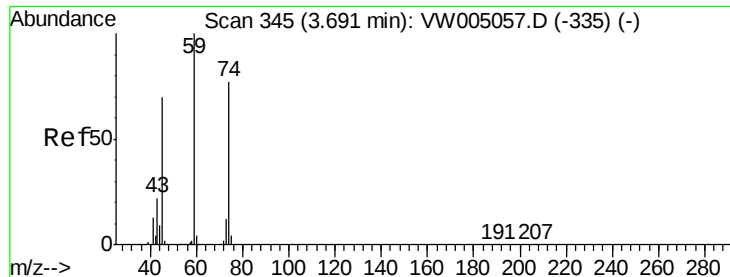
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.059 ug/l

RT: 3.68 min Scan# 344

Delta R.T. -0.01 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampled :

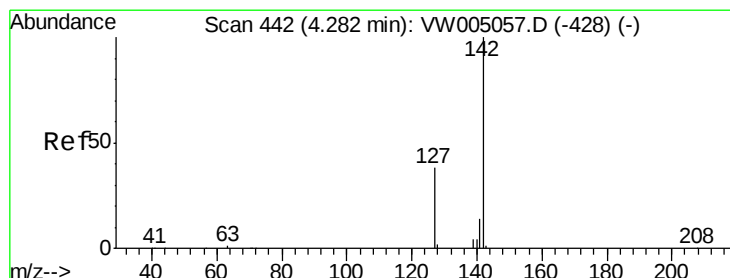
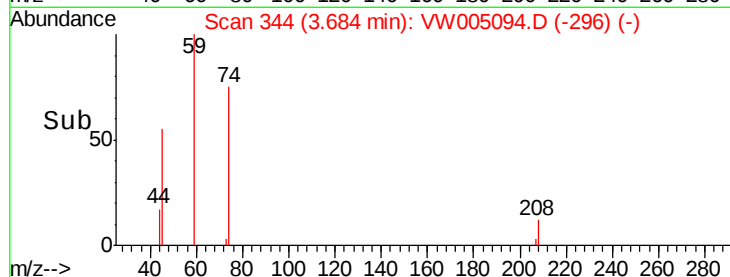
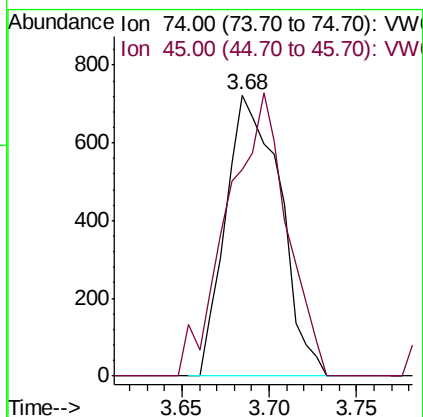
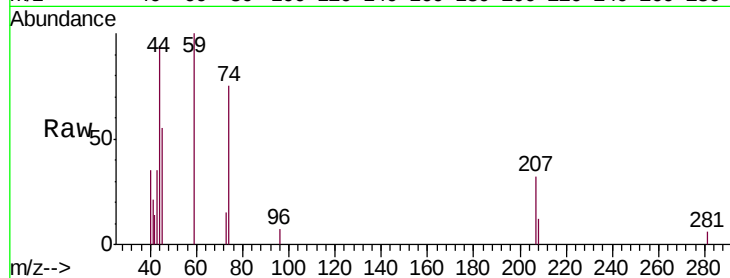
SB-14

Tgt Ion: 74 Resp: 1566

Ion Ratio Lower Upper

74 100

45 109.6 46.0 137.8



#10

Methyl Iodide

Concen: 3.845 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.01 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

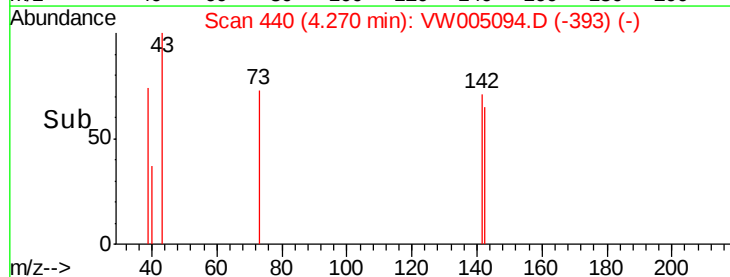
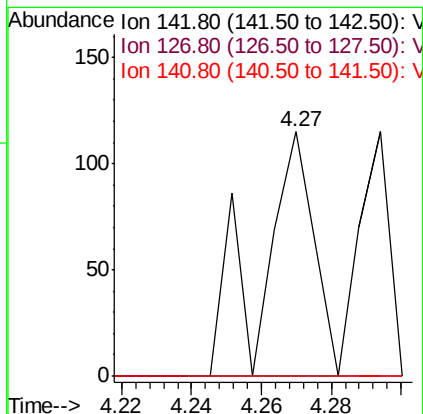
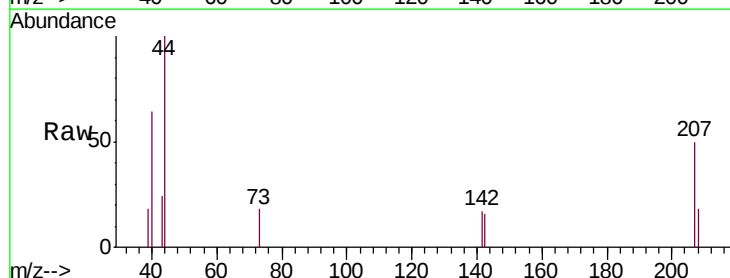
Tgt Ion: 142 Resp: 120

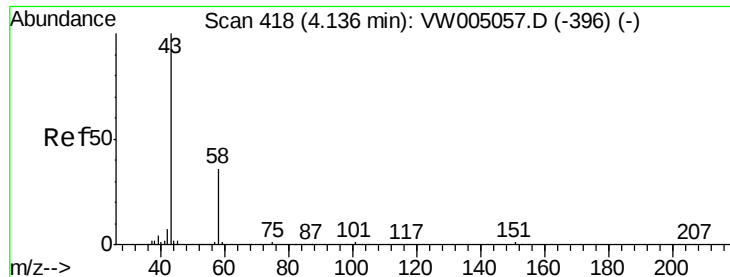
Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#





#16

Acetone

Concen: 33.352 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

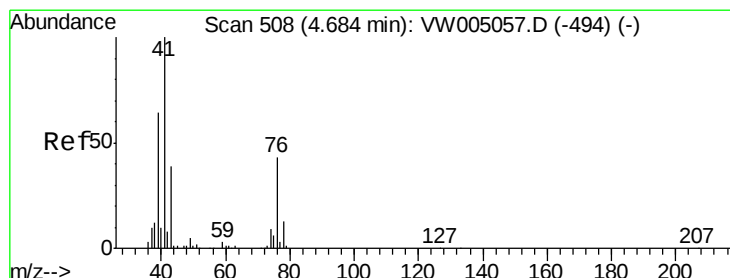
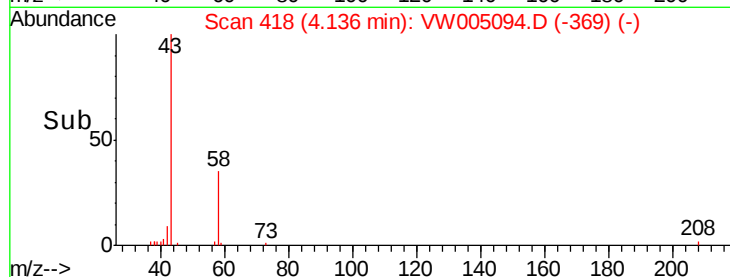
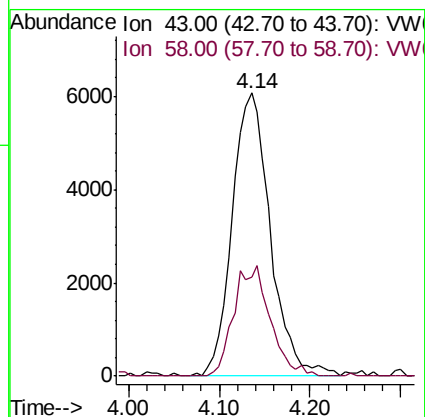
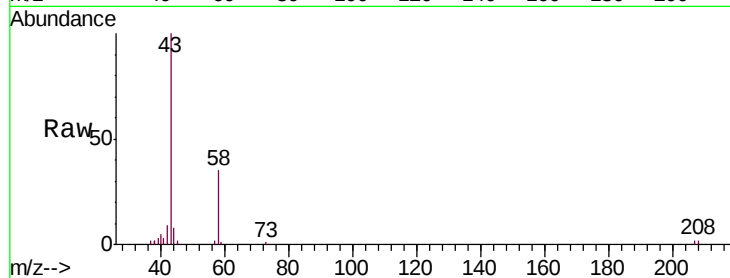
SB-14

Tgt Ion: 43 Resp: 17718

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.6



#18

Methyl Acetate

Concen: 2.063 ug/l

RT: 4.69 min Scan# 509

Delta R.T. 0.01 min

Lab File: VW005094.D

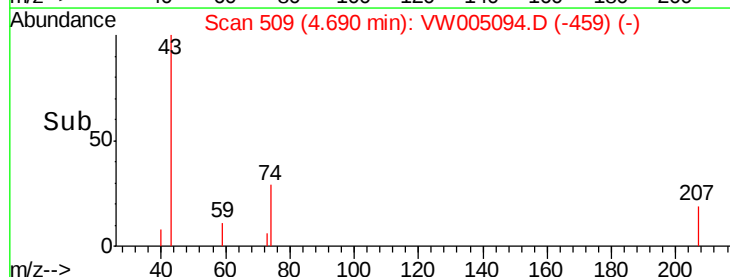
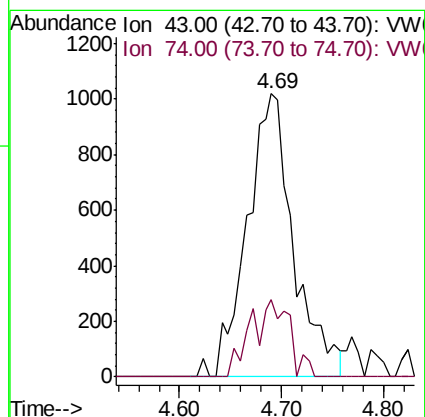
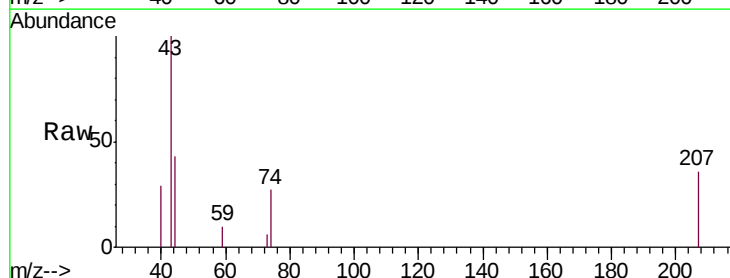
Acq: 04 Sep 2018 21:30

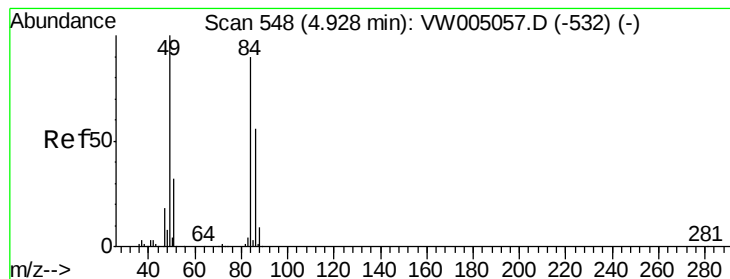
Tgt Ion: 43 Resp: 3224

Ion Ratio Lower Upper

43 100

74 15.0 20.7 31.1#





#20

Methylene Chloride

Concen: 10.737 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

SB-14

Tgt Ion: 84 Resp: 49505

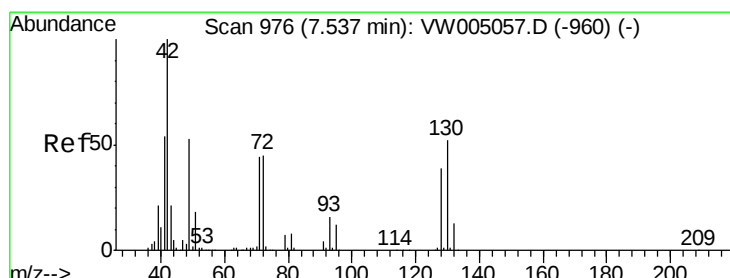
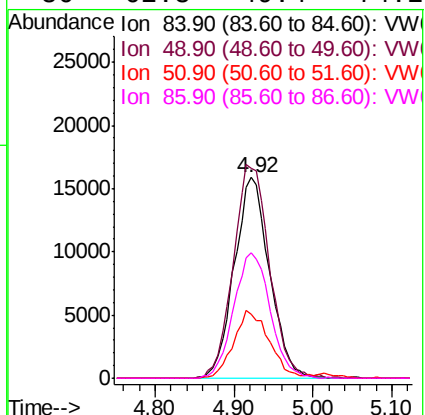
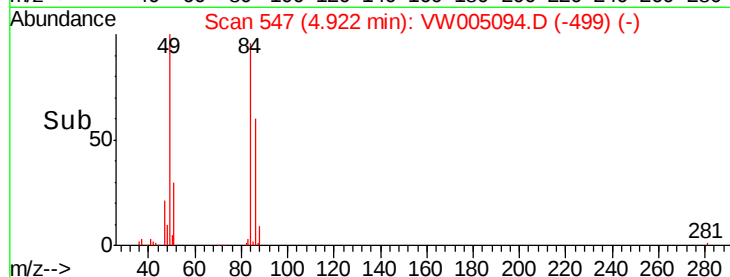
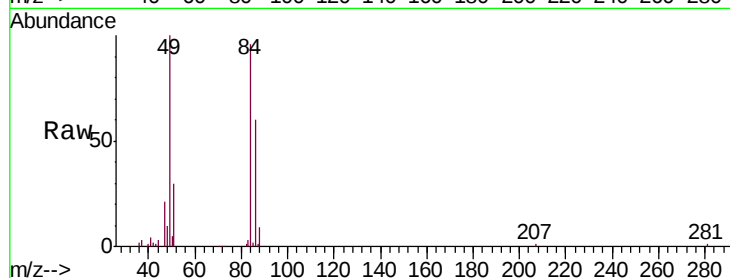
Ion Ratio Lower Upper

84 100

49 104.6 88.7 133.1

51 31.6 28.6 42.8

86 62.8 49.4 74.2



#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

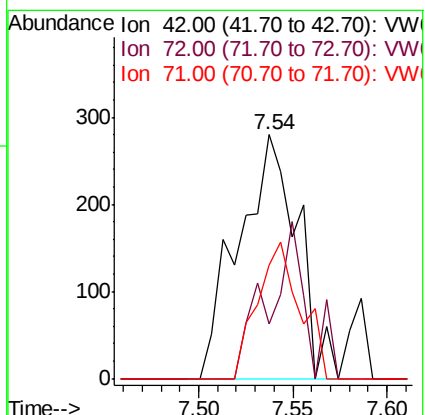
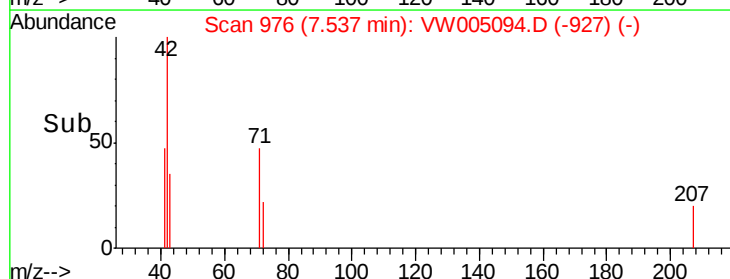
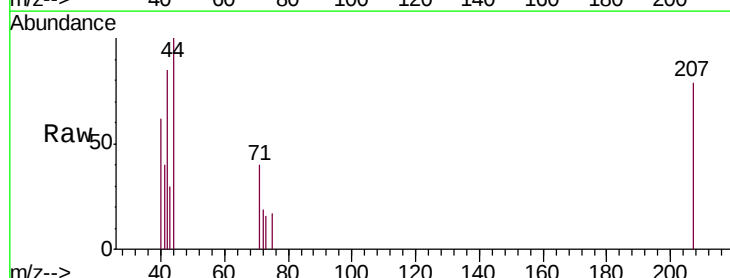
Tgt Ion: 42 Resp: 606

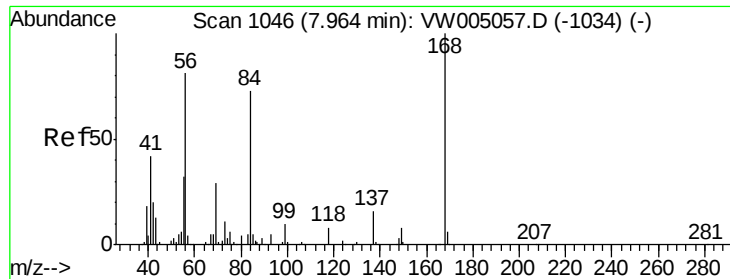
Ion Ratio Lower Upper

42 100

72 42.1 37.0 55.4

71 40.9 35.0 52.6

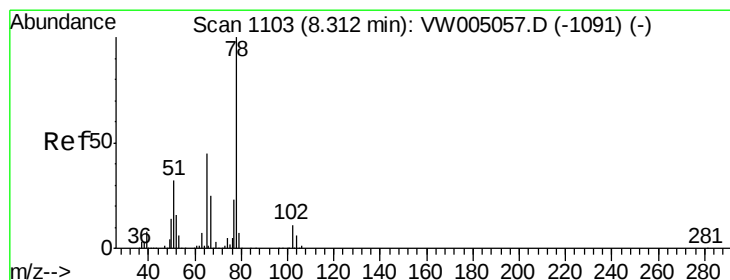
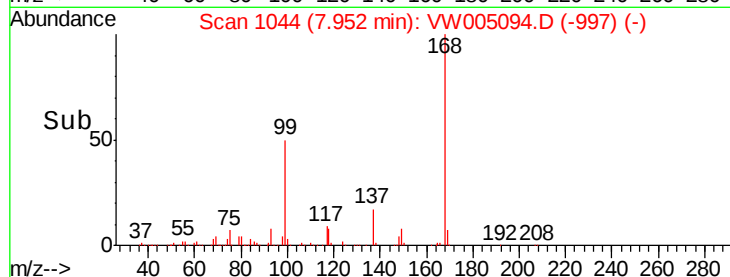
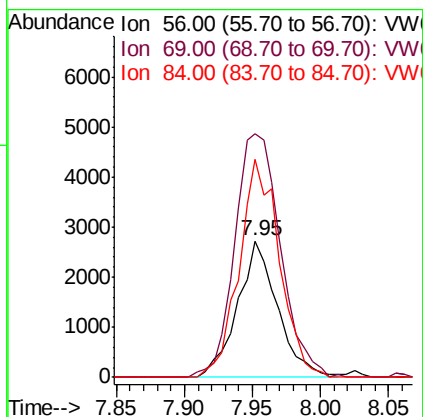
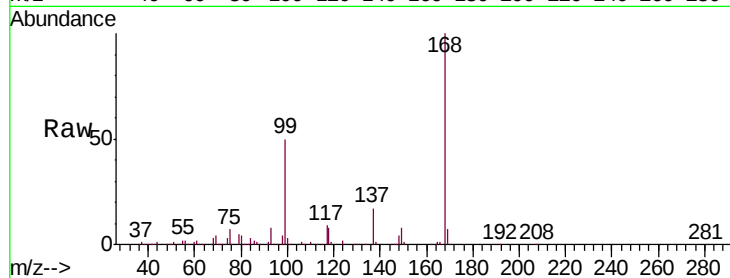




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

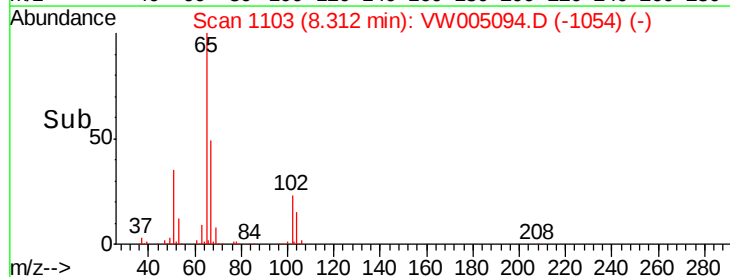
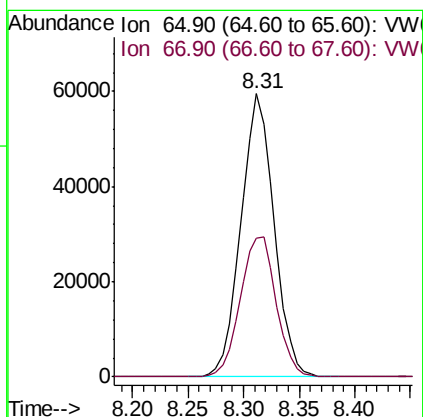
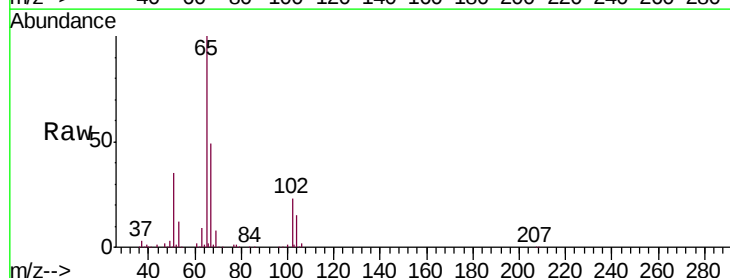
Instrument :
MSVOA_W
ClientSampled :
SB-14

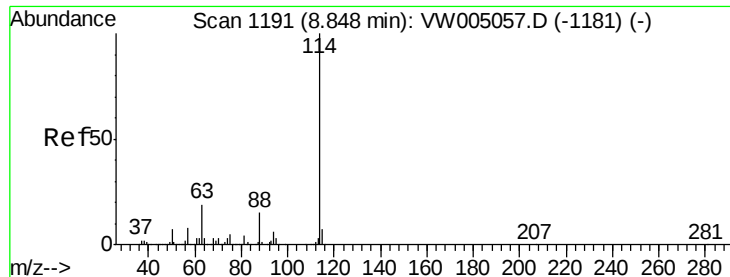
Tgt Ion: 56 Resp: 5616
Ion Ratio Lower Upper
56 100
69 178.9 28.2 42.2#
84 159.8 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 46.435 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

Tgt Ion: 65 Resp: 123005
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.4

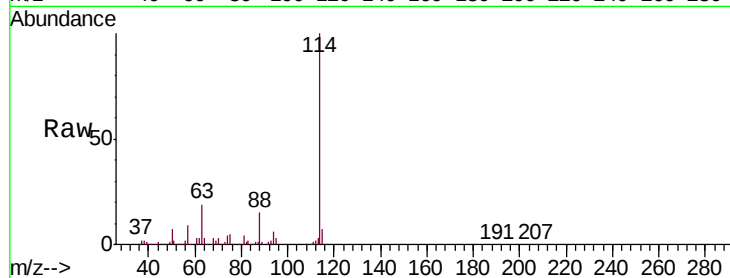




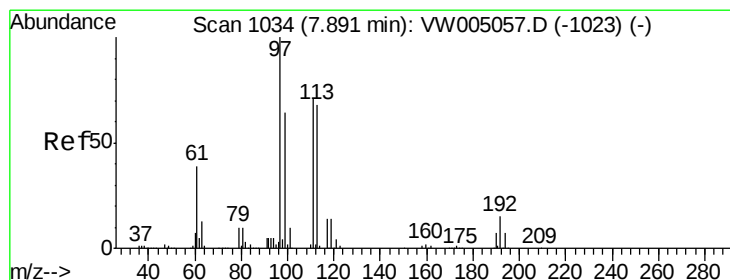
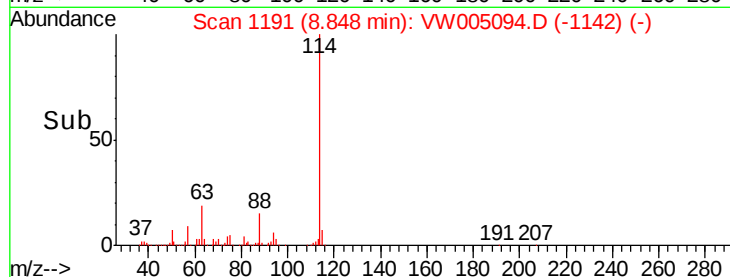
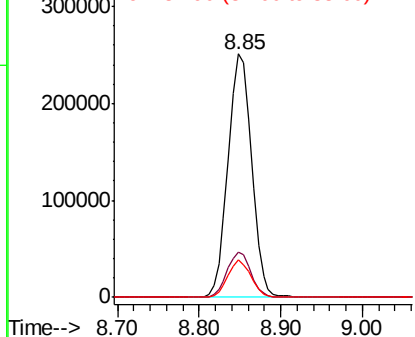
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005094.D
 Acq: 04 Sep 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14

Tgt Ion:114 Resp: 501660
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.0
 88 15.3 0.0 30.2

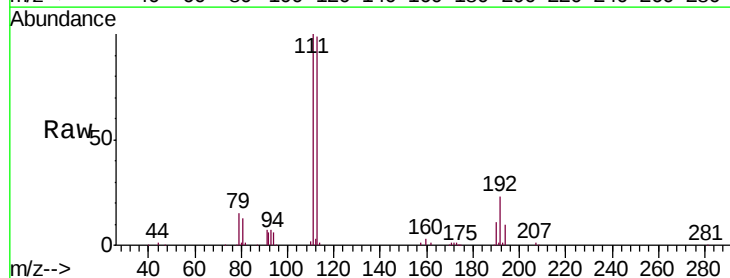


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

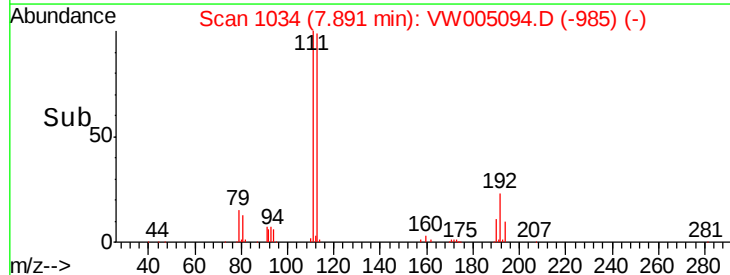
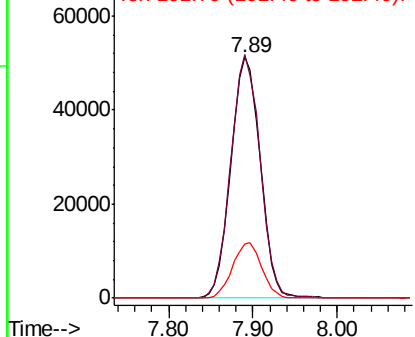


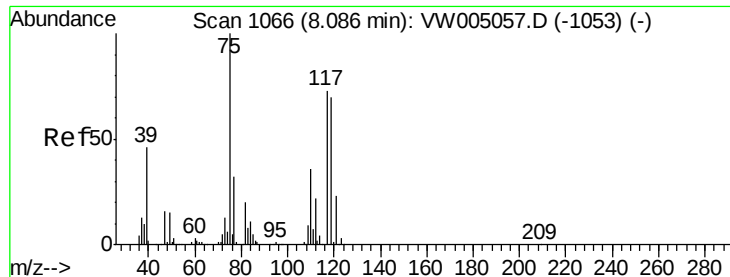
#35
 Dibromofluoromethane
 Concen: 41.690 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005094.D
 Acq: 04 Sep 2018 21:30

Tgt Ion:113 Resp: 120860
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.2 123.2
 192 22.8 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: 4.334 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampled :

SB-14

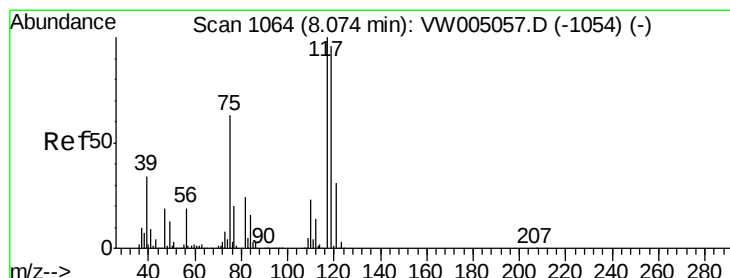
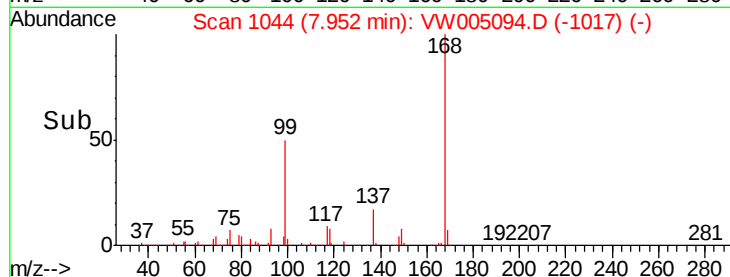
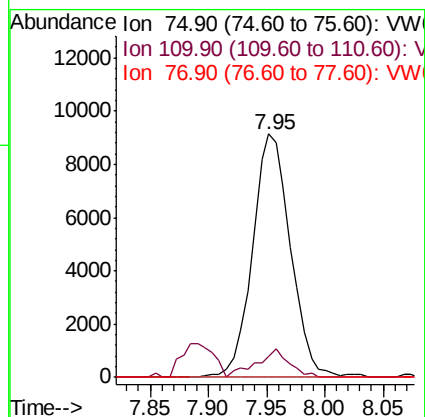
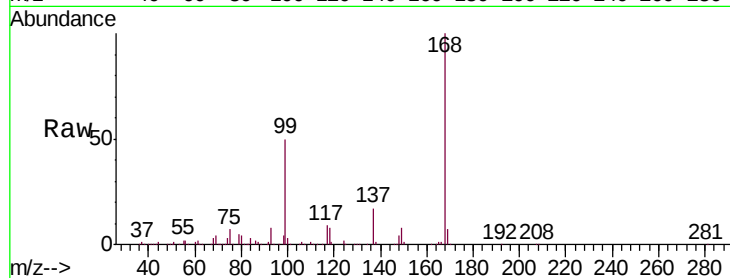
Tgt Ion: 75 Resp: 20708

Ion Ratio Lower Upper

75 100

110 9.7 18.9 56.7#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.039 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

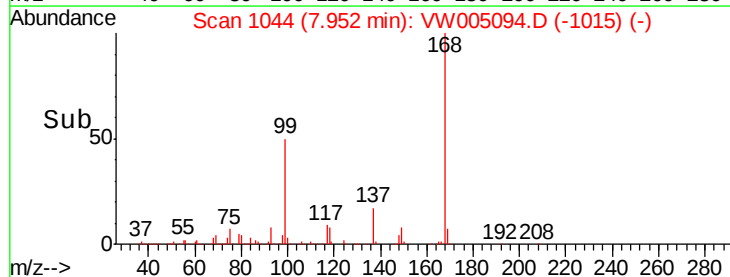
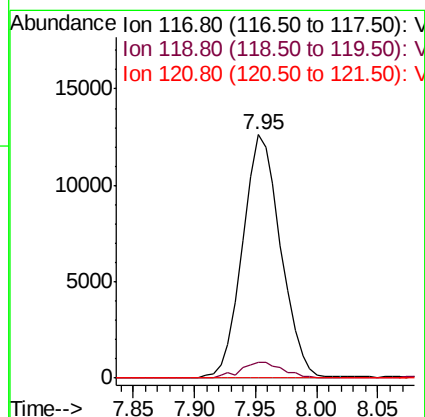
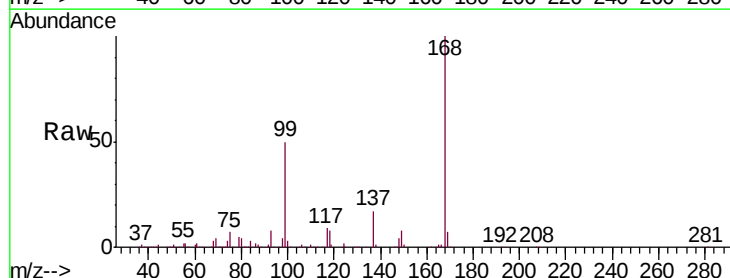
Tgt Ion: 117 Resp: 27436

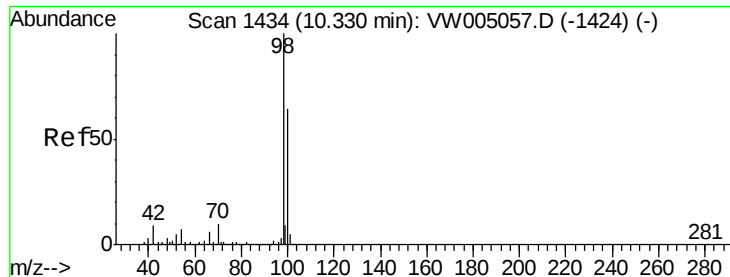
Ion Ratio Lower Upper

117 100

119 6.5 76.6 115.0#

121 0.0 24.8 37.2#

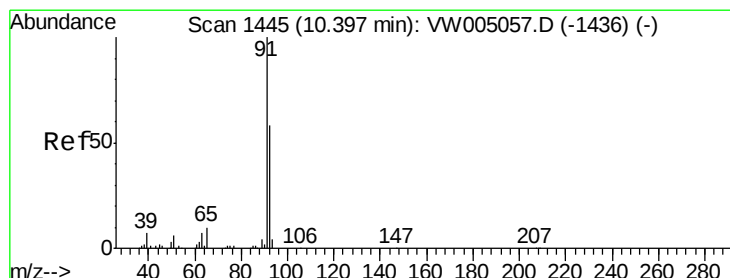
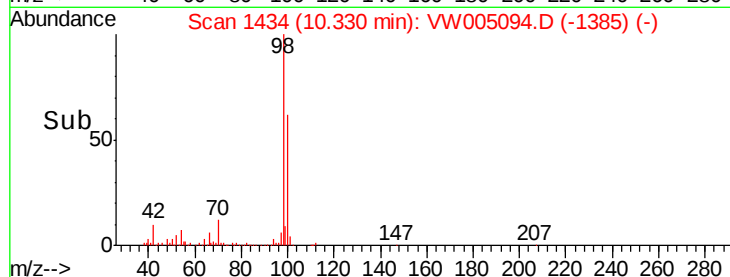
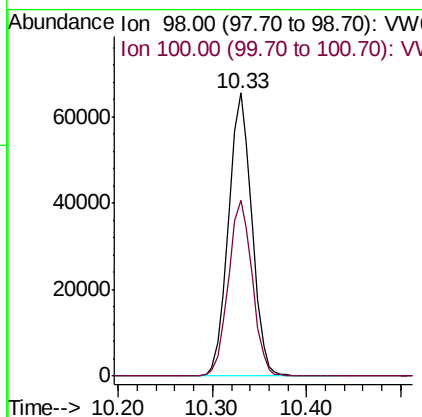
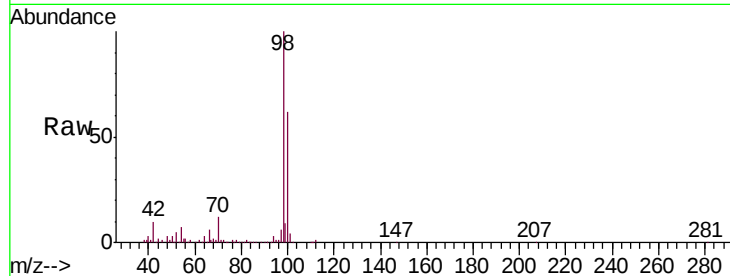




#50
Toluene-d8
Concen: 8.458 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

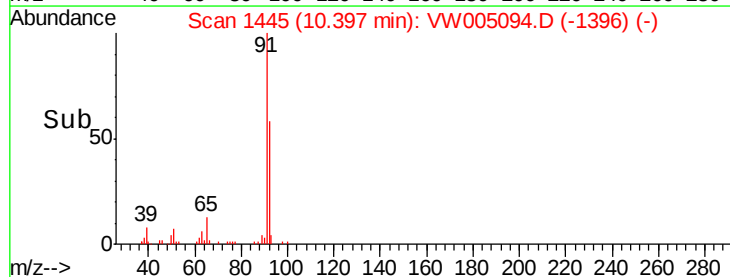
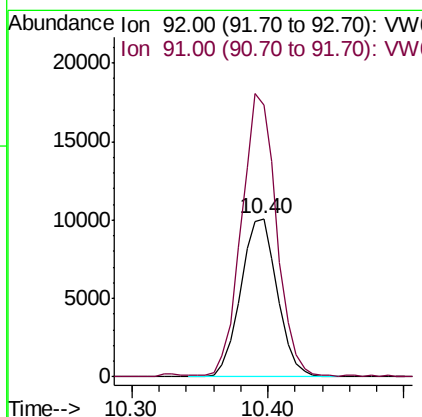
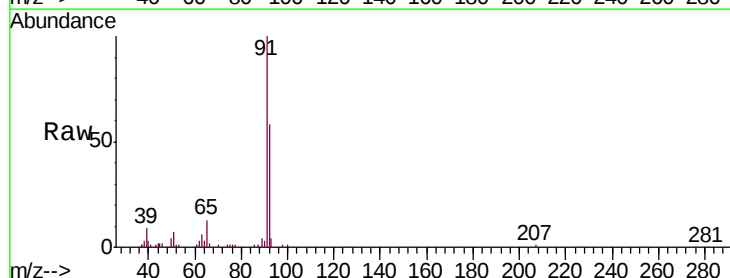
Instrument :
MSVOA_W
ClientSampled :
SB-14

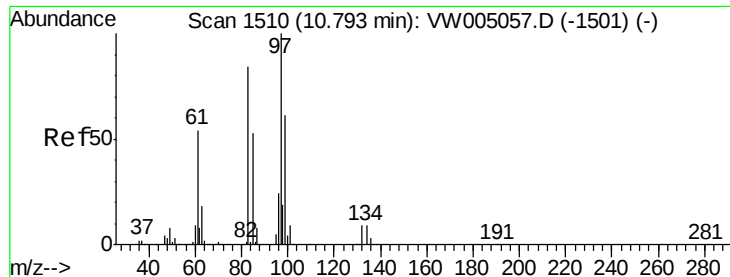
Tgt Ion: 98 Resp: 112979
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#52
Toluene
Concen: 1.904 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

Tgt Ion: 92 Resp: 18872
Ion Ratio Lower Upper
92 100
91 170.5 139.2 208.8

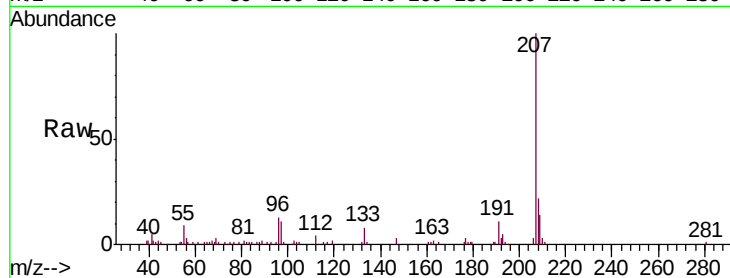




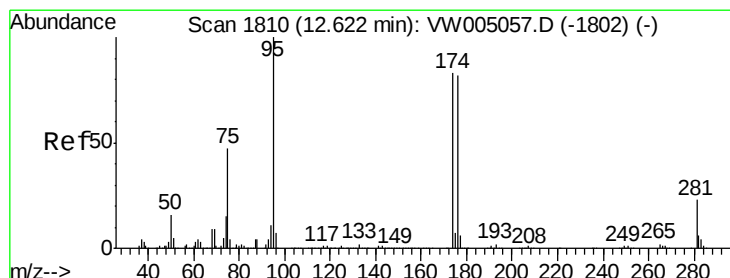
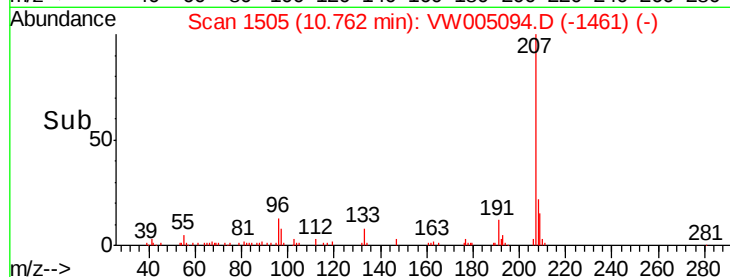
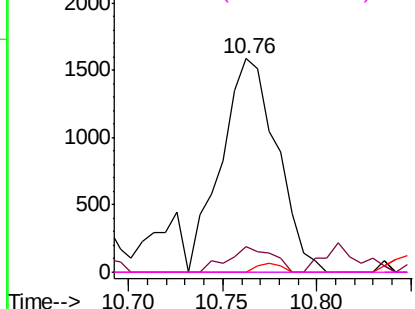
#55
 1,1,2-Trichloroethane
 Concen: 1.231 ug/l
 RT: 10.76 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VW005094.D
 Acq: 04 Sep 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleID :
 SB-14

Tgt Ion: 97 Resp: 3257
 Ion Ratio Lower Upper
 97 100
 83 11.7 67.0 100.6#
 85 0.0 42.3 63.5#
 99 0.0 48.5 72.7#

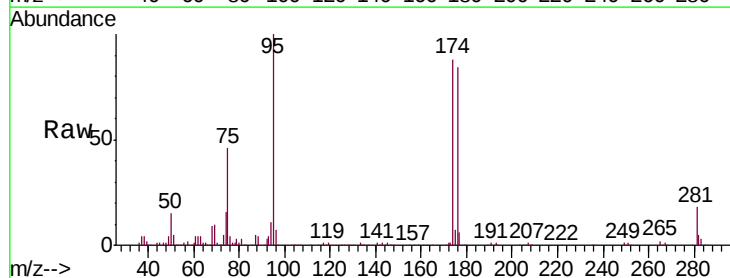


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

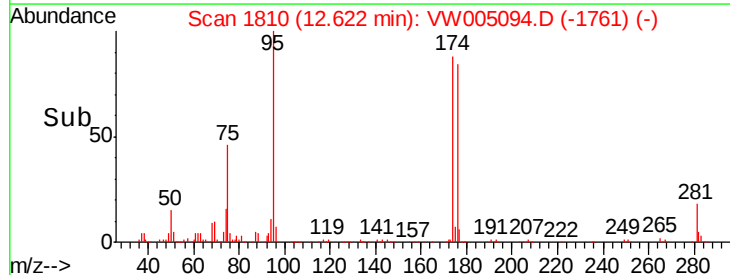
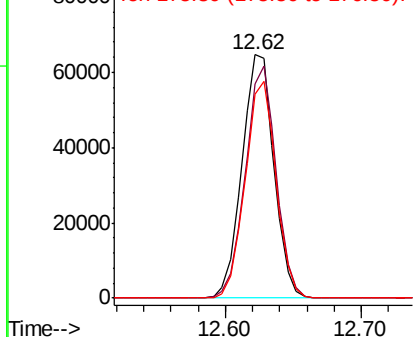


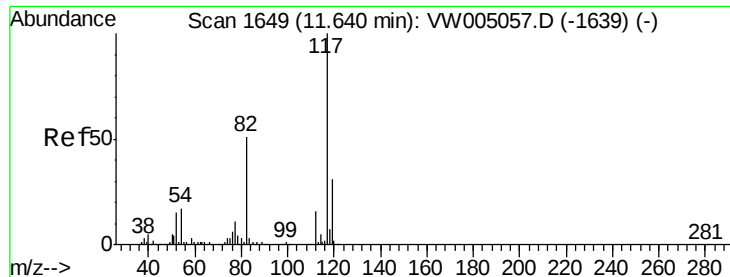
#62
 4-Bromofluorobenzene
 Concen: 22.539 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW005094.D
 Acq: 04 Sep 2018 21:30

Tgt Ion: 95 Resp: 106165
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 173.4
 176 86.5 0.0 167.4



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

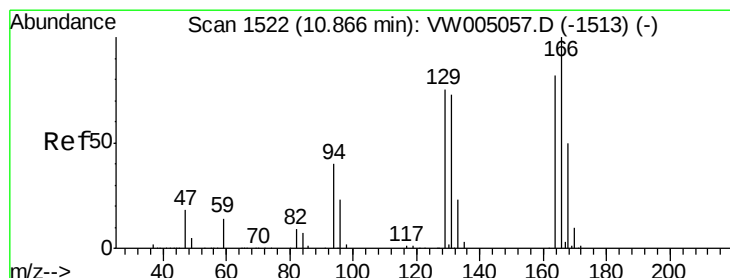
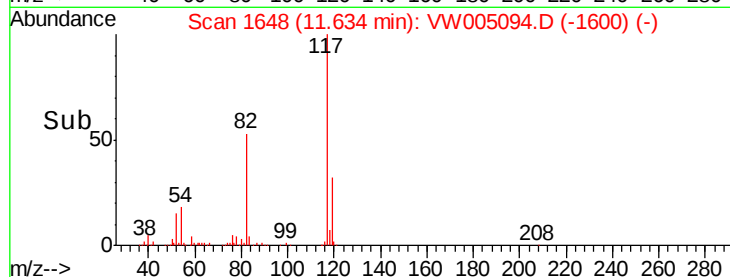
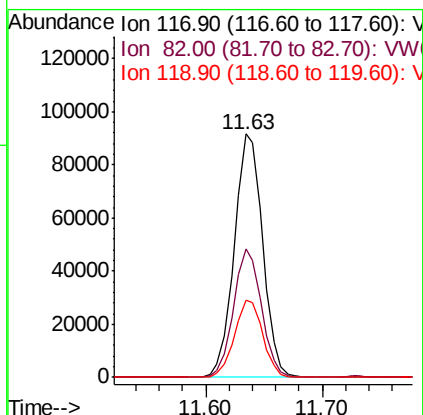
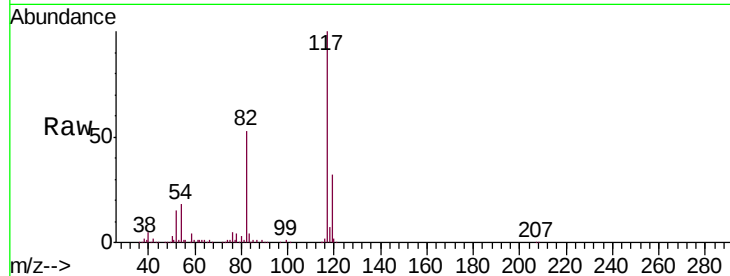




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

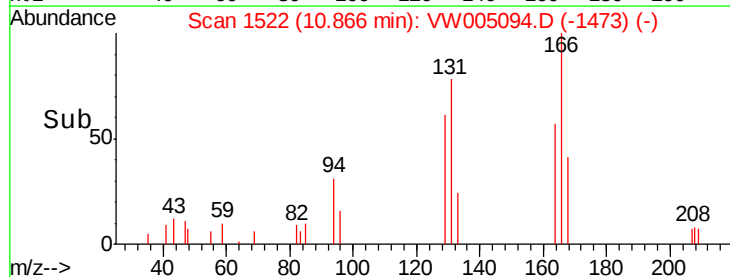
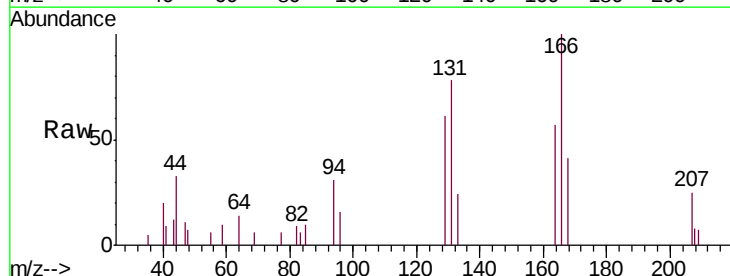
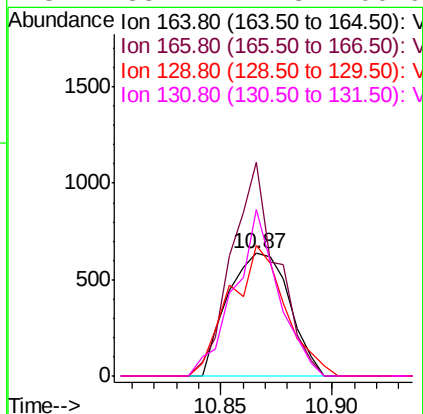
Instrument :
MSVOA_W
ClientSampleId :
SB-14

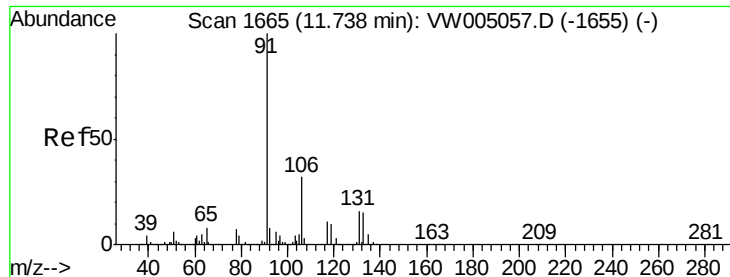
Tgt Ion:117 Resp: 155721
Ion Ratio Lower Upper
117 100
82 52.8 40.9 61.3
119 31.9 24.9 37.3



#64
Tetrachloroethene
Concen: 1.005 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

Tgt Ion:164 Resp: 1228
Ion Ratio Lower Upper
164 100
166 173.9 97.3 145.9#
129 106.0 73.1 109.7
131 135.2 71.3 106.9#

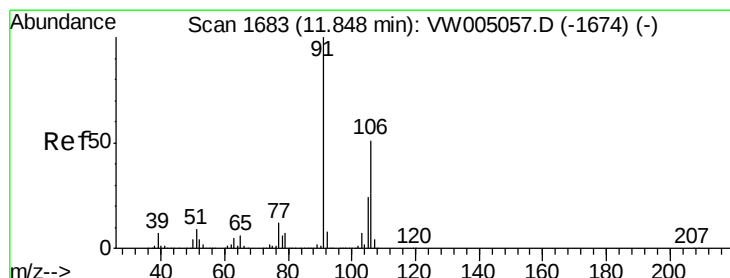
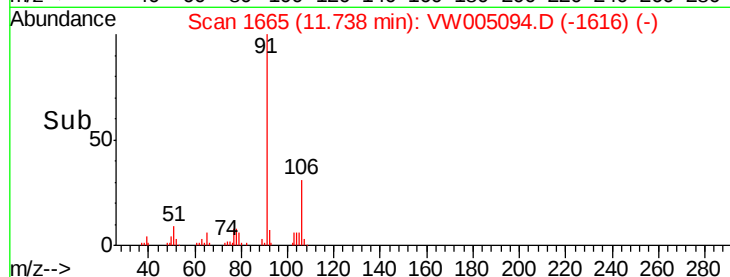
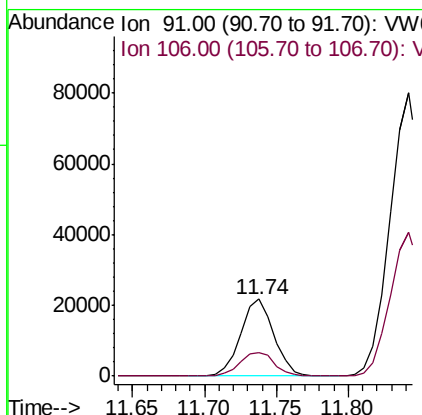
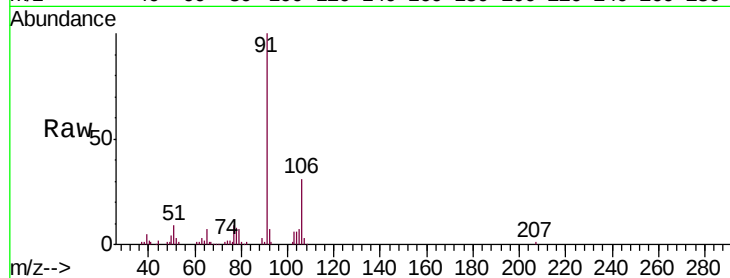




#67
Ethyl Benzene
Concen: 5.874 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

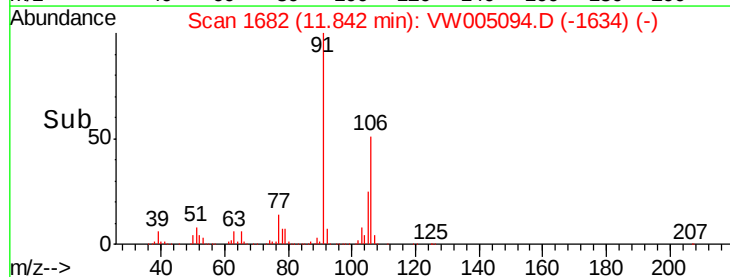
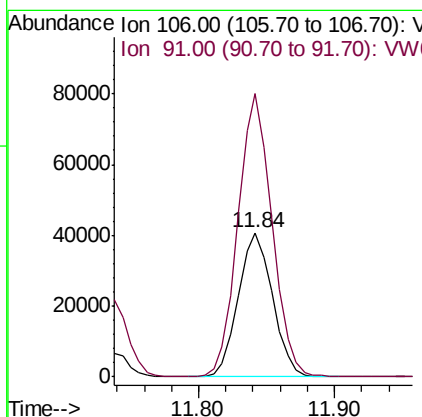
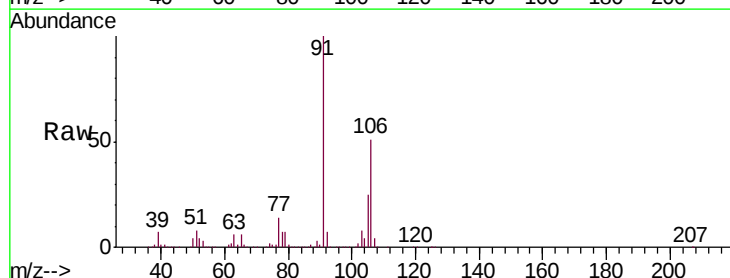
Instrument :
MSVOA_W
ClientSampled :
SB-14

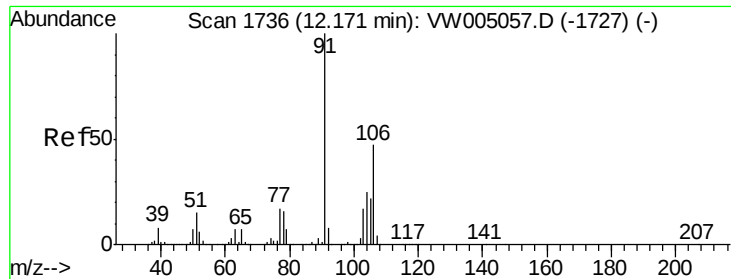
Tgt Ion: 91 Resp: 34814
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



#68
m/p-Xylenes
Concen: 30.276 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

Tgt Ion: 106 Resp: 71842
Ion Ratio Lower Upper
106 100
91 194.2 158.4 237.6

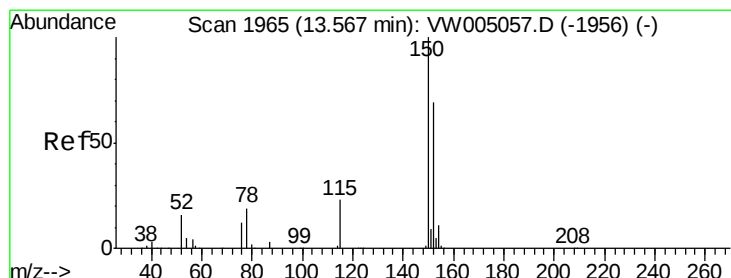
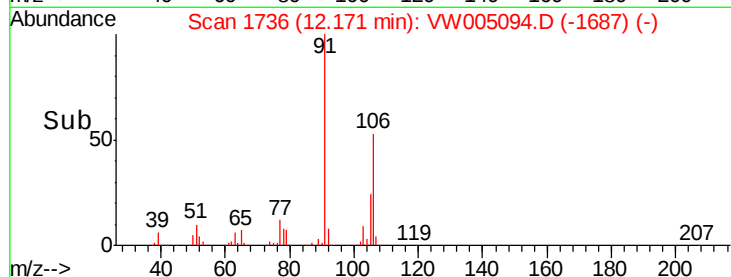
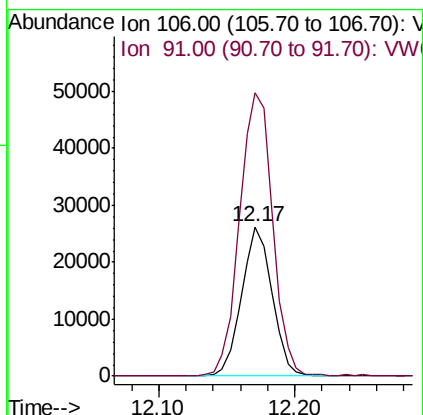
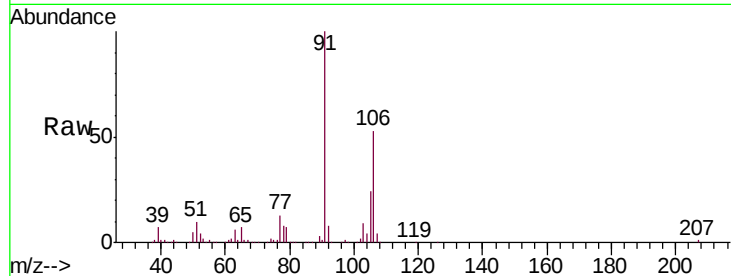




#69
o-Xylene
Concen: 18.737 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

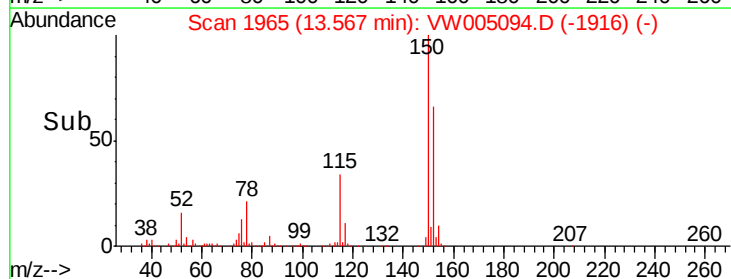
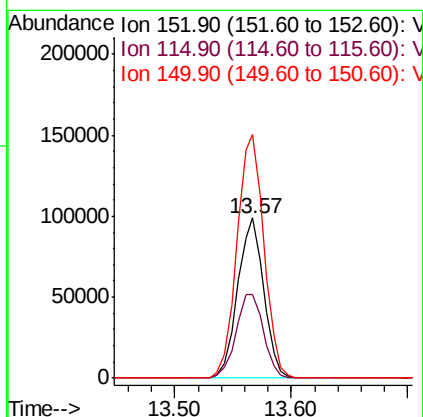
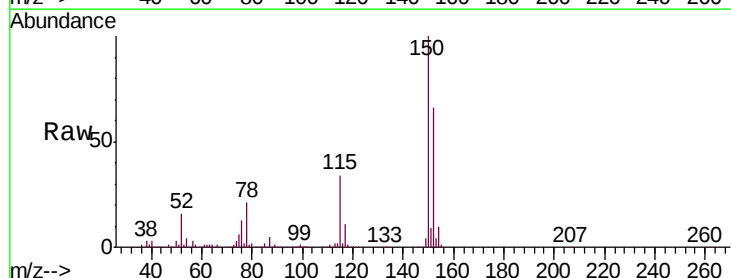
Instrument :
MSVOA_W
ClientSampled :
SB-14

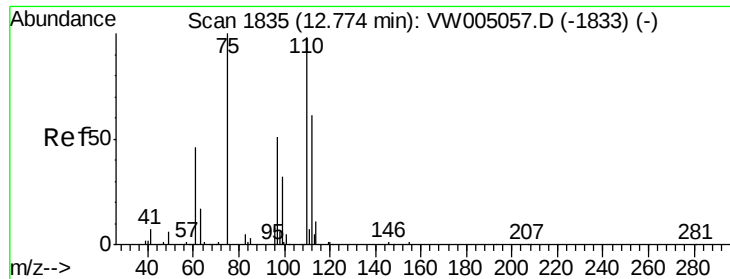
Tgt Ion:106 Resp: 41106
Ion Ratio Lower Upper
106 100
91 205.1 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005094.D
Acq: 04 Sep 2018 21:30

Tgt Ion:152 Resp: 154460
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 156.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 41.519 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

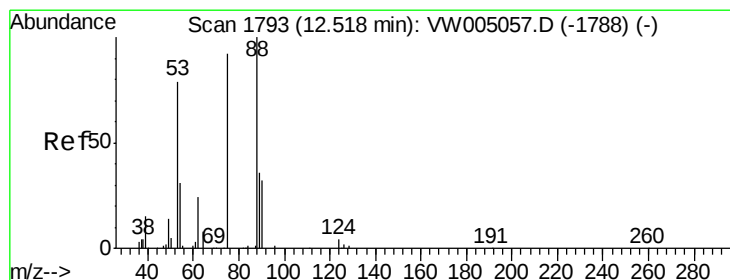
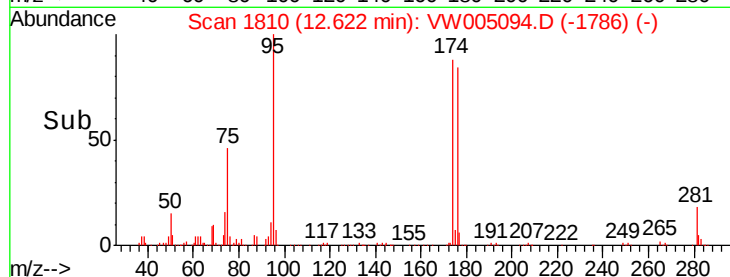
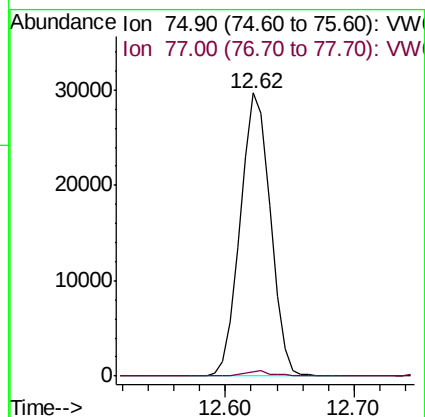
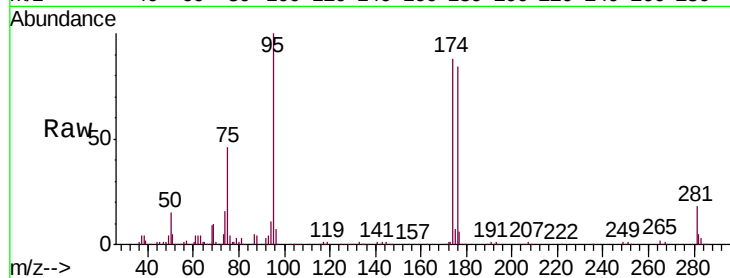
SB-14

Tgt Ion: 75 Resp: 48138

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.932 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

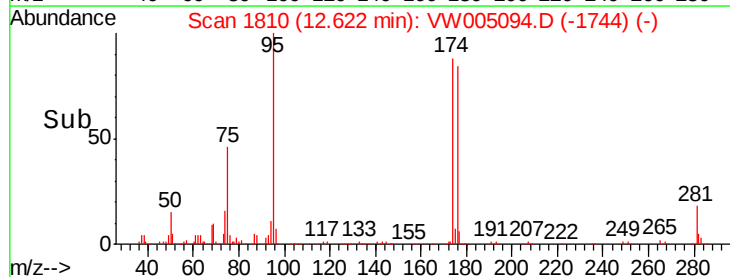
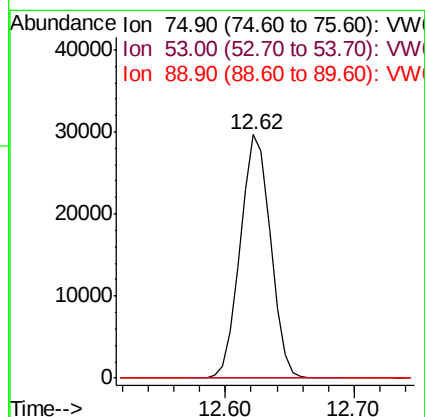
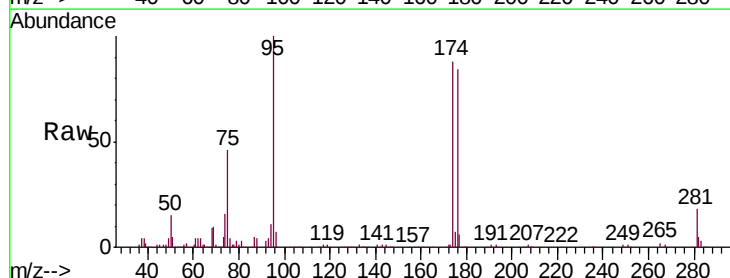
Tgt Ion: 75 Resp: 48138

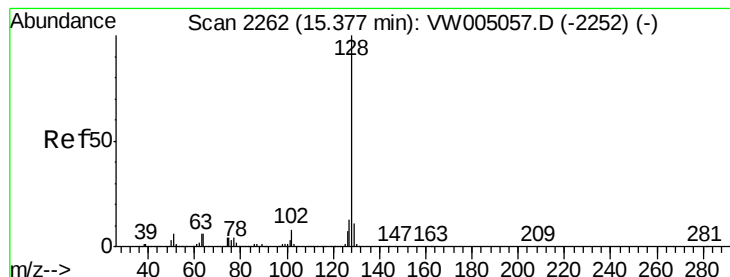
Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.1 36.0 54.0#





#95

Naphthalene

Concen: 4.763 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005094.D

Acq: 04 Sep 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

SB-14

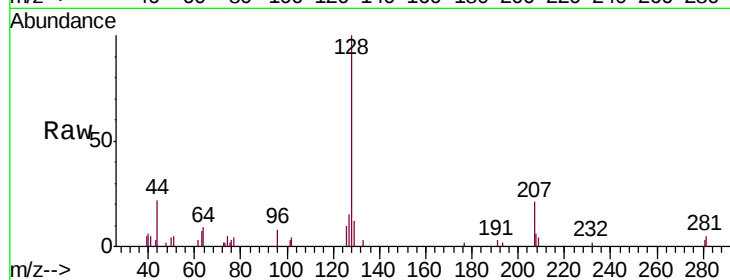
Tgt Ion:128 Resp: 4743

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.4 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

