

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004214.D
 Acq On : 26 Jul 2018 01:05
 Operator : SY/AP
 Sample : J4112-03
 Misc : 12.47G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CON-SB-01-19-21

Quant Time: Jul 26 05:14:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	403998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143223	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	155508	59.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.10%	
35) Dibromofluoromethane	7.88	113	108664	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	
50) Toluene-d8	10.33	98	446678	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	12.62	95	131254	36.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.38%	

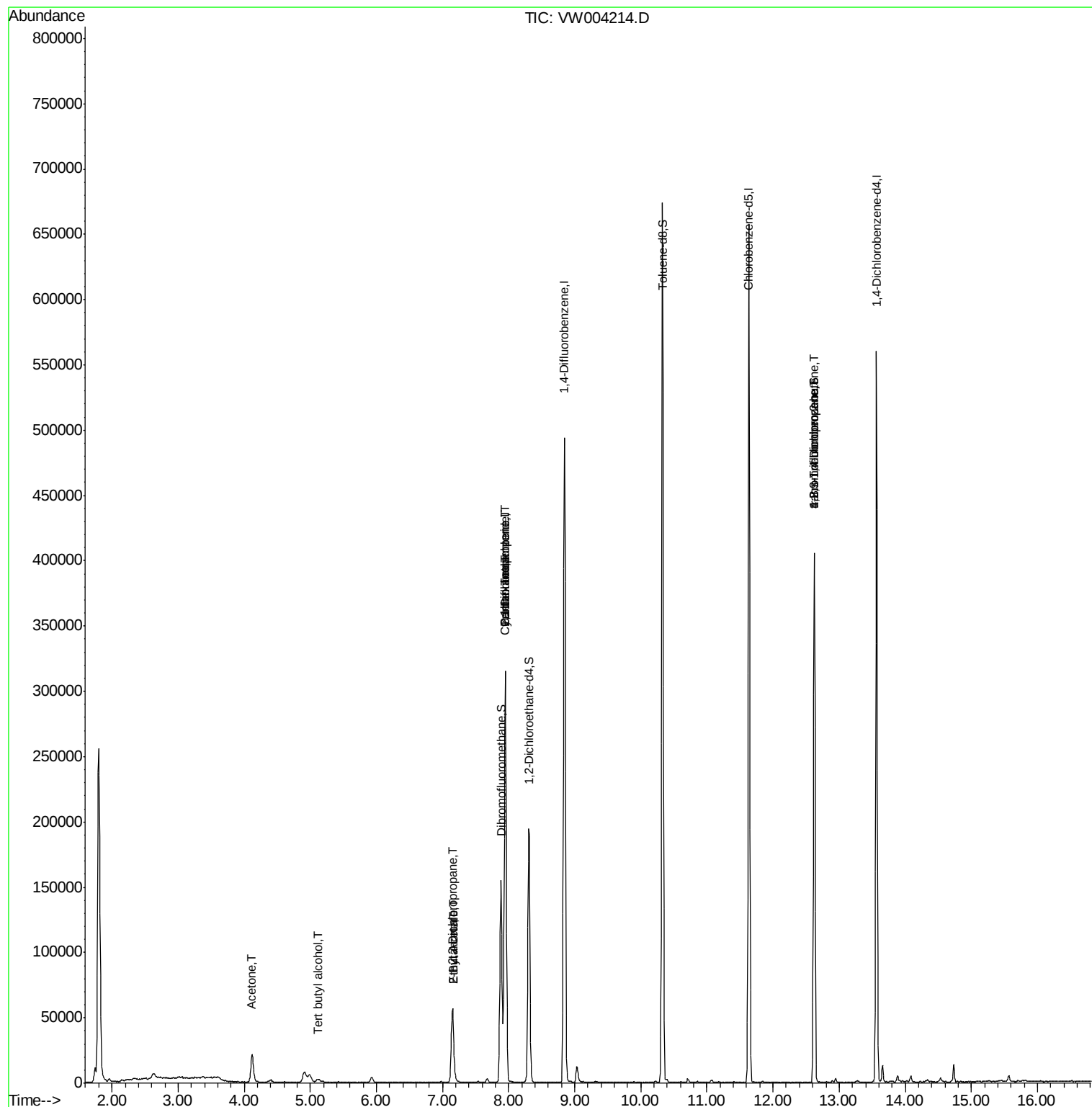
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3636	20.170	ug/l #	72
16) Acetone	4.12	43	37749	60.157	ug/l	98
20) Methylene Chloride	4.92	84	7269	Below Cal		97
25) 2-Butanone	7.17	43	6034	7.146	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	3726	1.405	ug/l #	52
31) Cyclohexane	7.94	56	5459	1.260	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	19853	4.776	ug/l #	49
37) Ethyl Acetate	7.17	43	6034	3.010	ug/l #	70
38) Carbon Tetrachloride	7.95	117	23606	6.078	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	67235	47.286	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67235	104.596	ug/l #	11

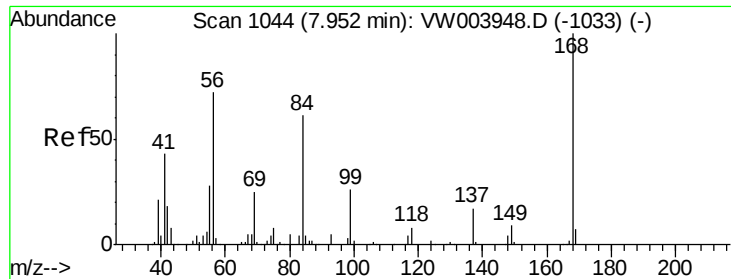
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

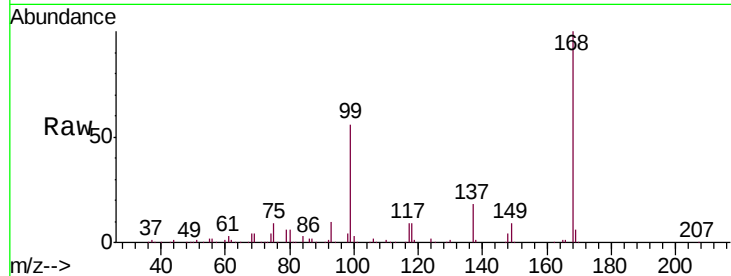
CON-SB-01-19-21

Tgt Ion: 168 Resp: 233615

Ion Ratio Lower Upper

168 100

99 56.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

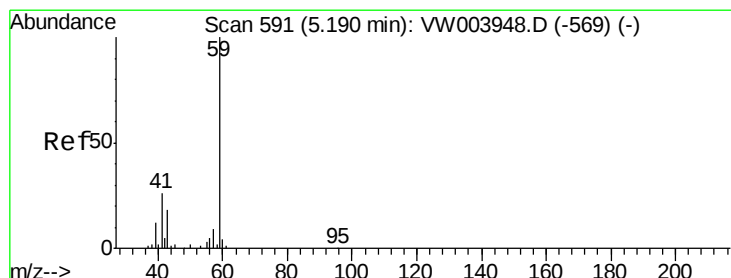
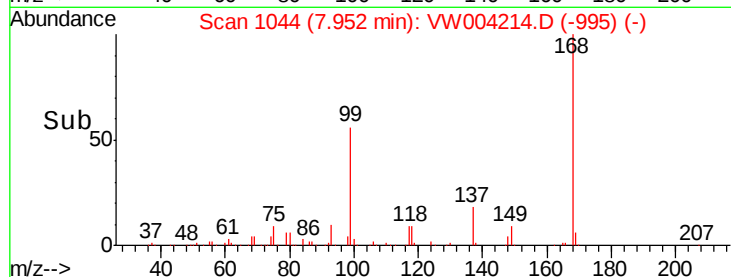
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 20.170 ug/l

RT: 5.12 min Scan# 579

Delta R.T. -0.07 min

Lab File: VW004214.D

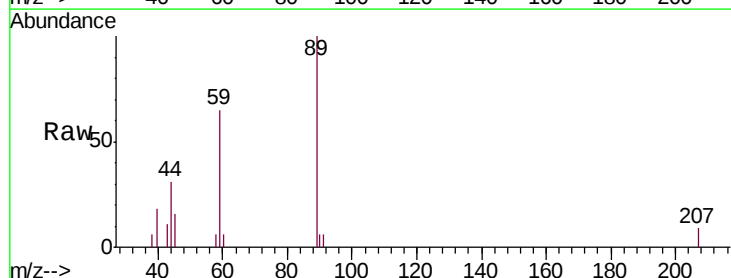
Acq: 26 Jul 2018 01:05

Tgt Ion: 59 Resp: 3636

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

800

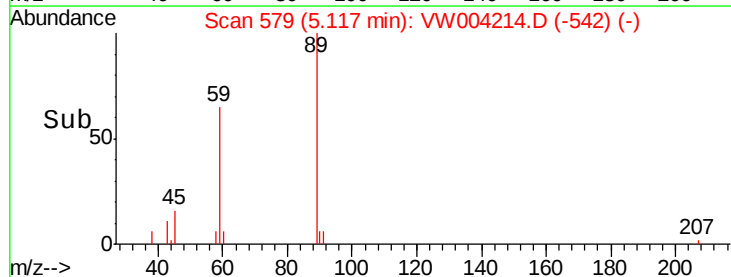
600

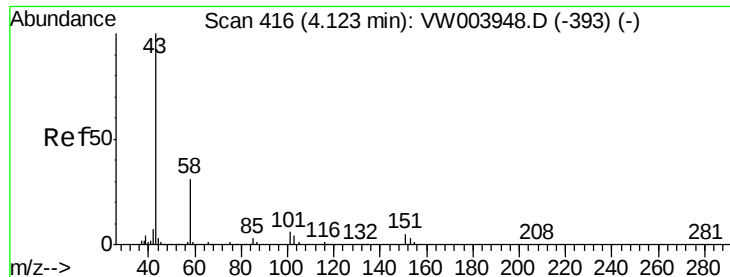
400

200

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 60.157 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

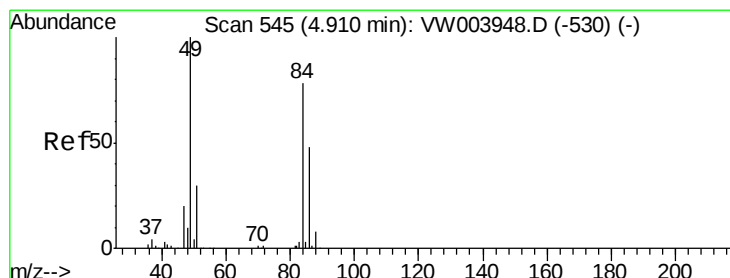
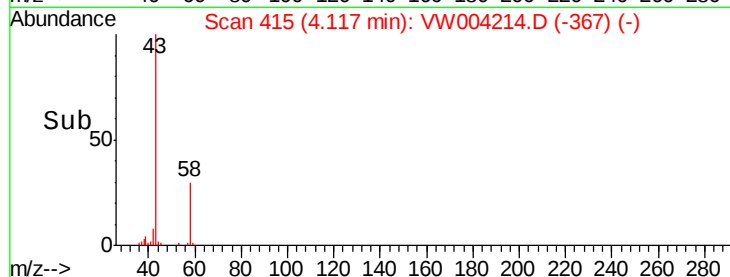
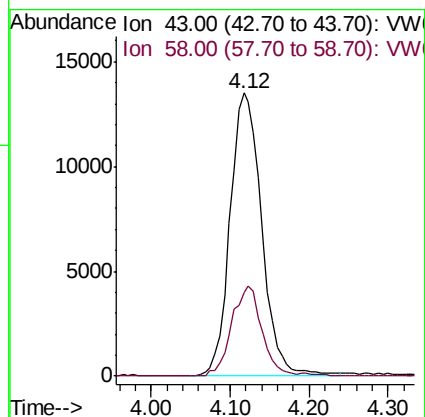
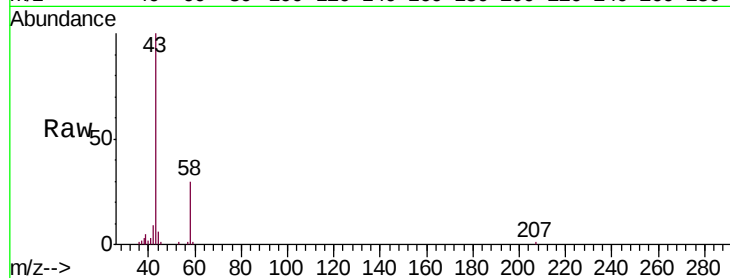
CON-SB-01-19-21

Tgt Ion: 43 Resp: 37749

Ion Ratio Lower Upper

43 100

58 29.6 24.5 36.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Tgt Ion: 84 Resp: 7269

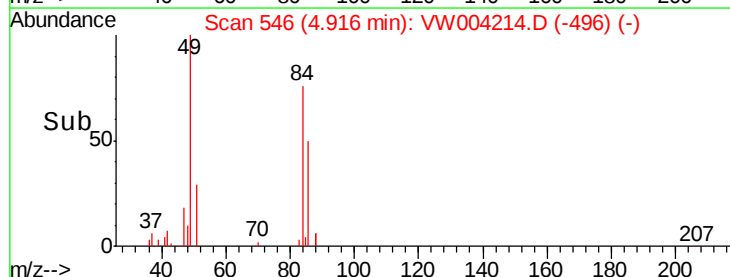
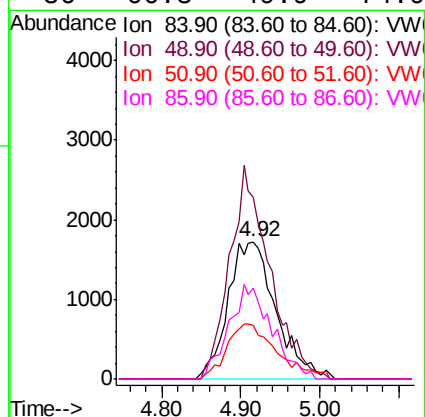
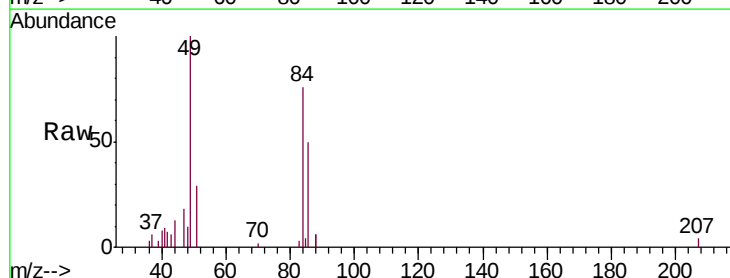
Ion Ratio Lower Upper

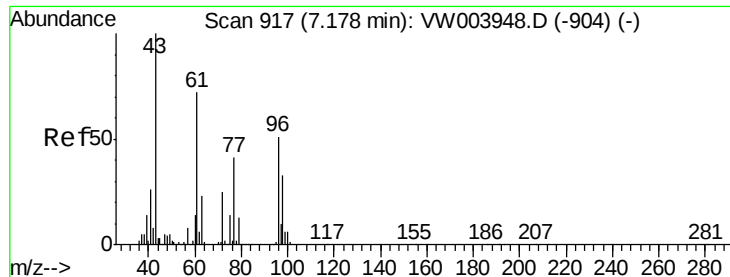
84 100

49 132.3 102.9 154.3

51 38.9 30.9 46.3

86 66.3 49.9 74.9





#25

2-Butanone

Concen: 7.146 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

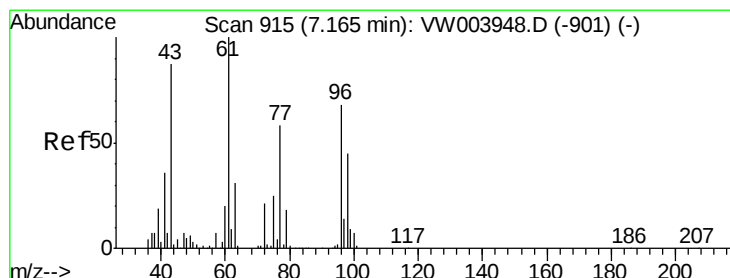
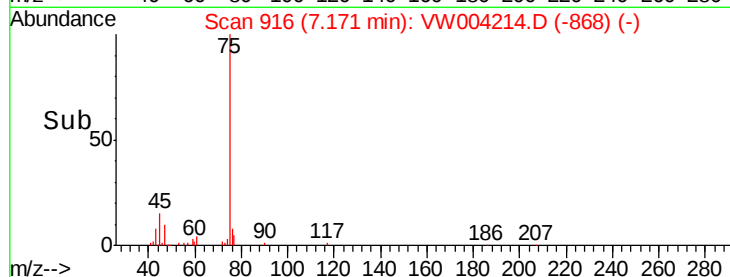
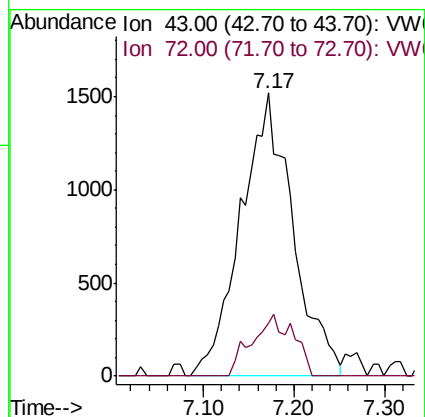
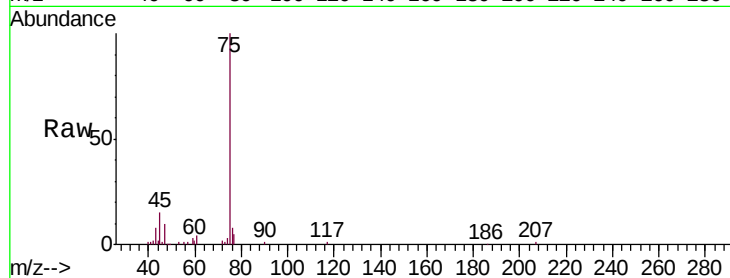
CON-SB-01-19-21

Tgt Ion: 43 Resp: 6034

Ion Ratio Lower Upper

43 100

72 18.9 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 1.405 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004214.D

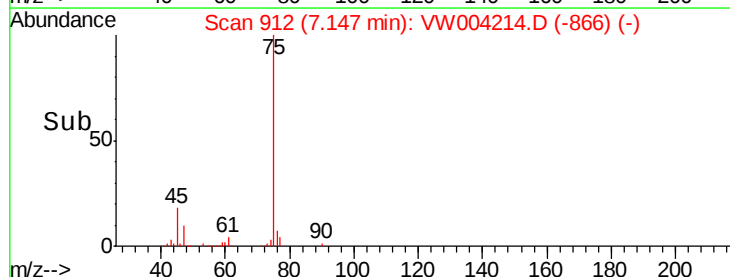
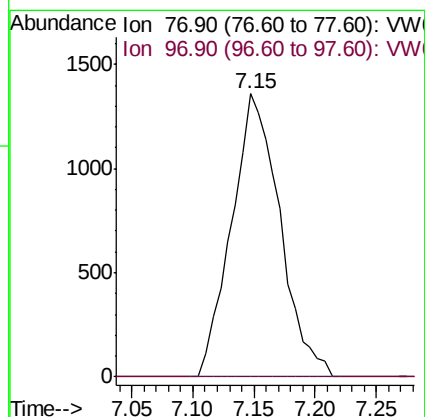
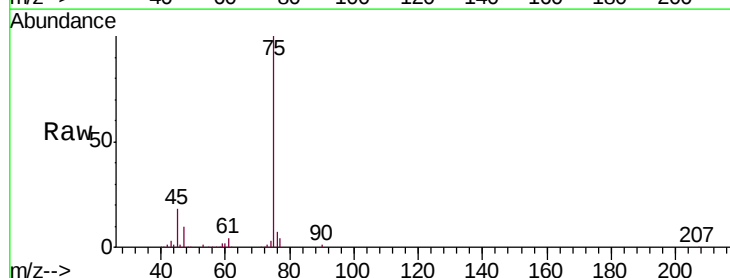
Acq: 26 Jul 2018 01:05

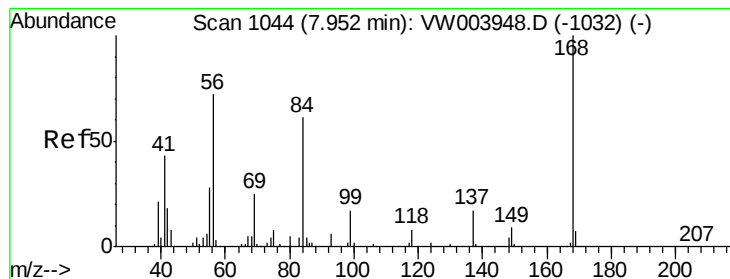
Tgt Ion: 77 Resp: 3726

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

CON-SB-01-19-21

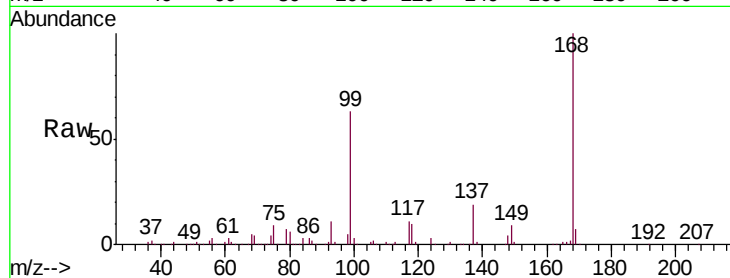
Tgt Ion: 56 Resp: 5459

Ion Ratio Lower Upper

56 100

69 164.8 27.8 41.8#

84 123.2 67.2 100.8#

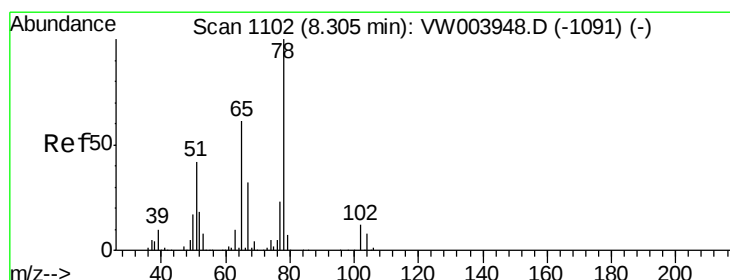
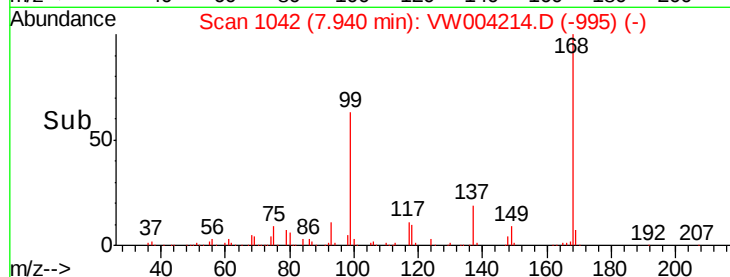
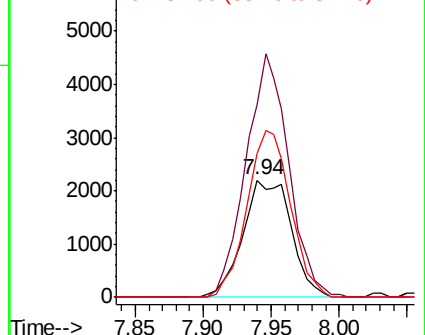


Abundance

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: 59.551 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW004214.D

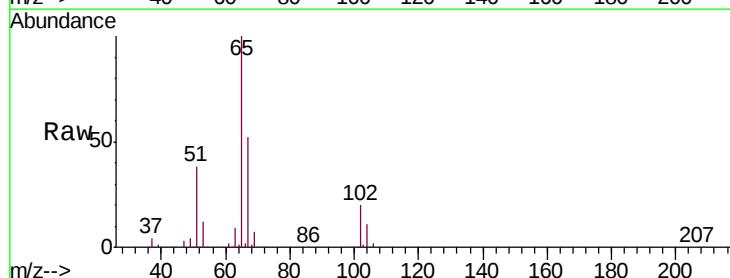
Acq: 26 Jul 2018 01:05

Tgt Ion: 65 Resp: 155508

Ion Ratio Lower Upper

65 100

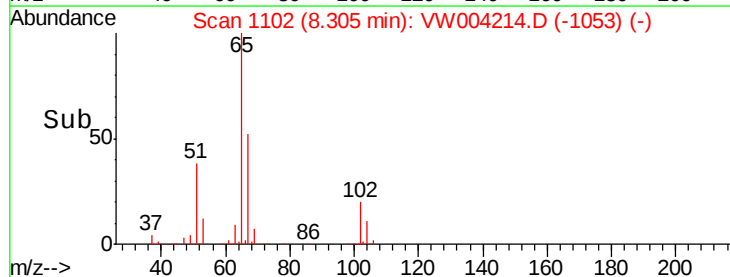
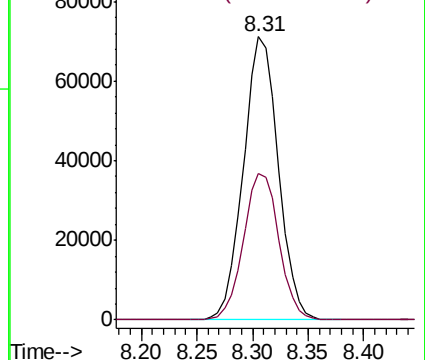
67 52.7 0.0 105.0

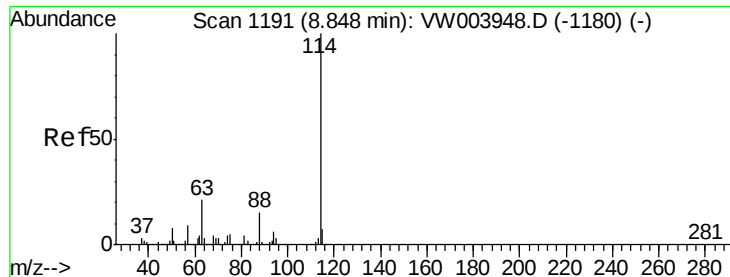


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

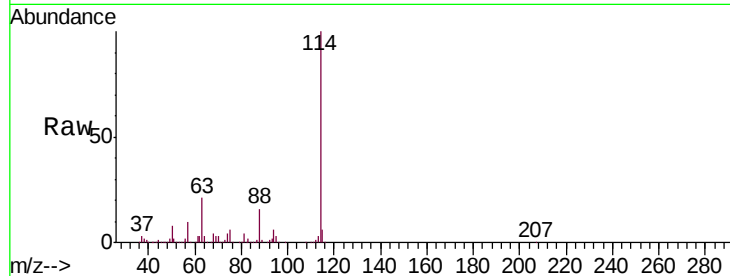




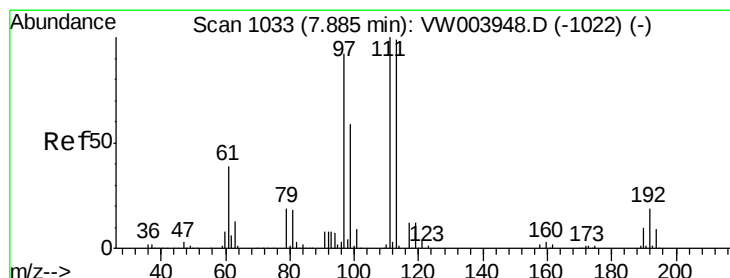
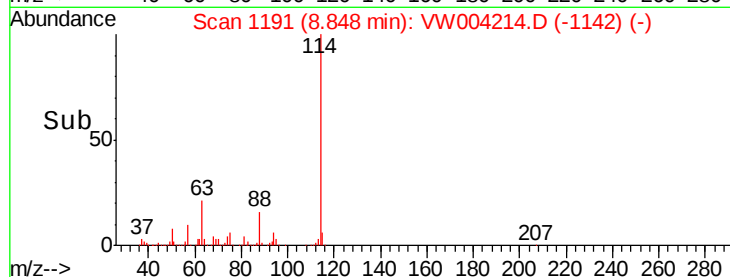
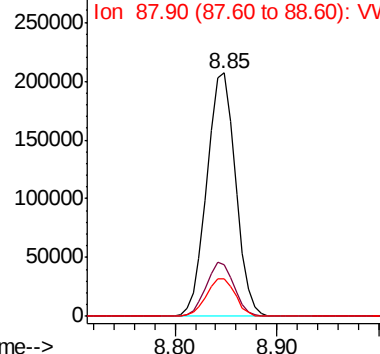
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004214.D
 Acq: 26 Jul 2018 01:05

Instrument :
 MSVOA_W
 ClientSampleId :
 CON-SB-01-19-21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.8
88	15.5	0.0	30.4

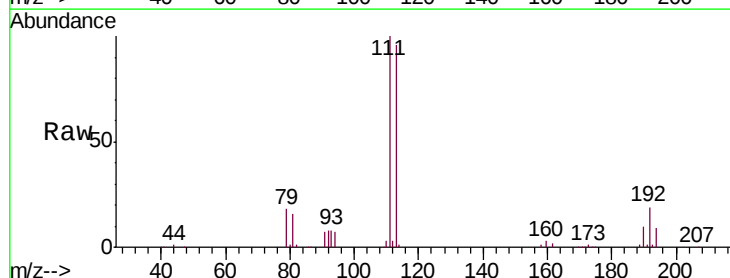


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

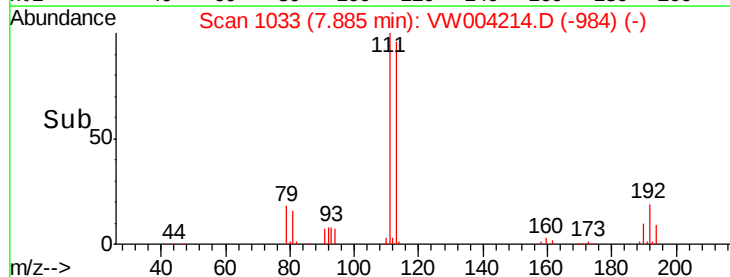
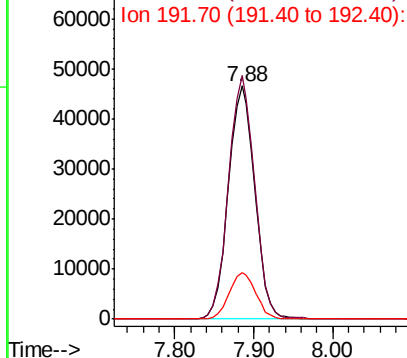


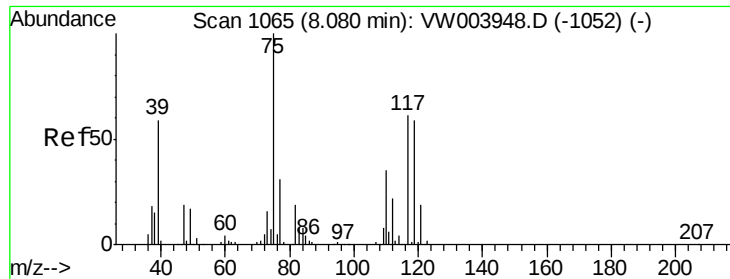
#35
 Dibromofluoromethane
 Concen: 41.920 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004214.D
 Acq: 26 Jul 2018 01:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.3	121.9
192	20.0	15.8	23.6



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

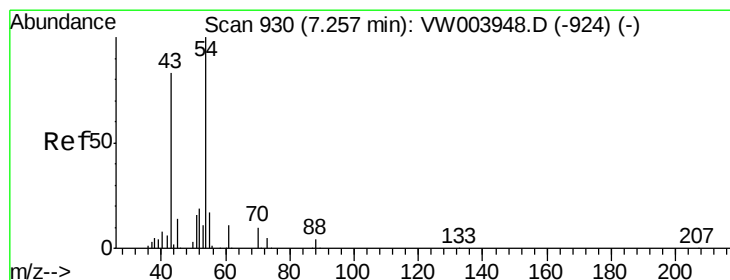
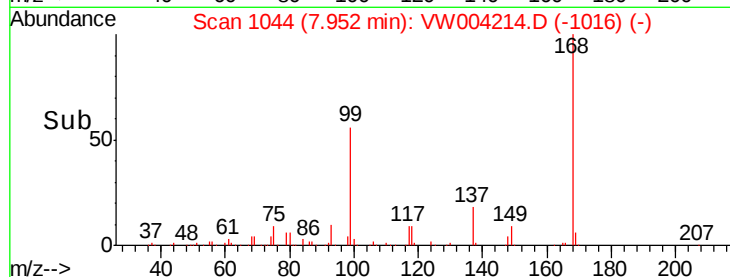
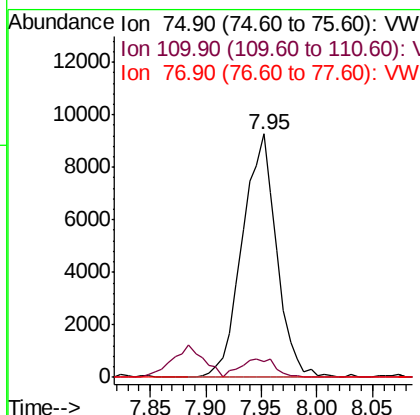
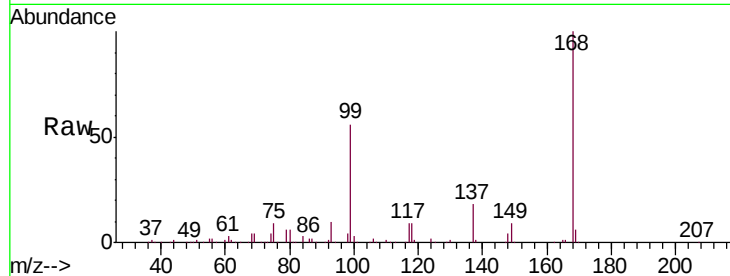




#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004214.D
 Acq: 26 Jul 2018 01:05

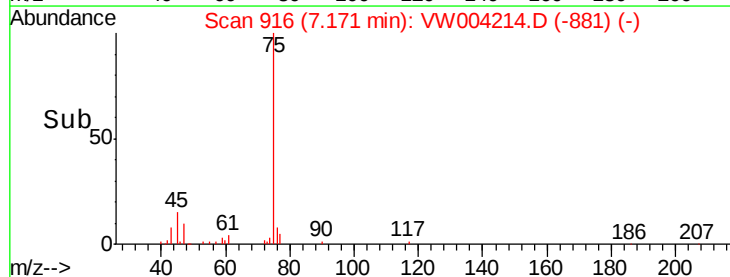
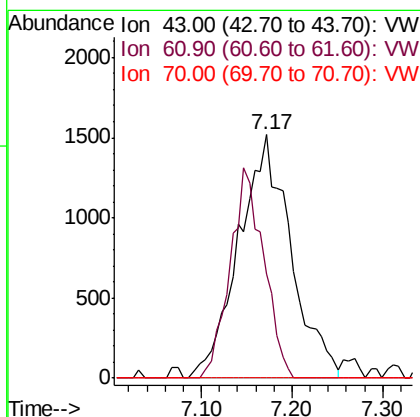
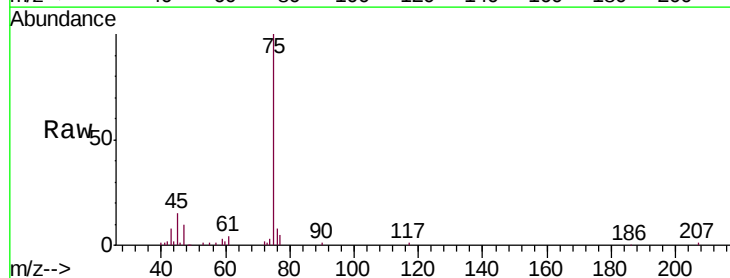
Instrument :
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 CON-SB-01-19-21

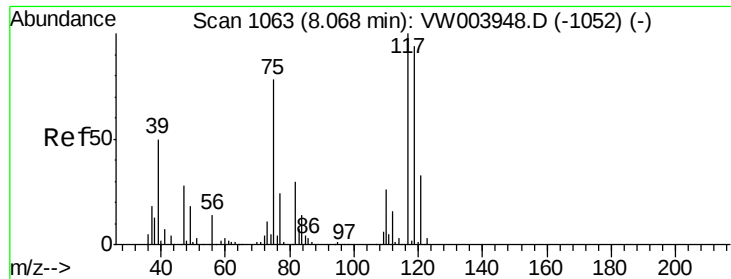
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.0	51.0#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 3.010 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.09 min
 Lab File: VW004214.D
 Acq: 26 Jul 2018 01:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.7	11.5#

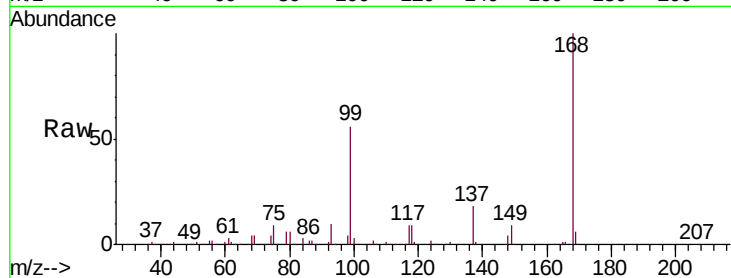




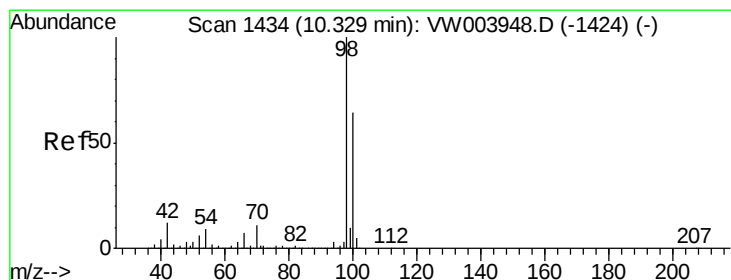
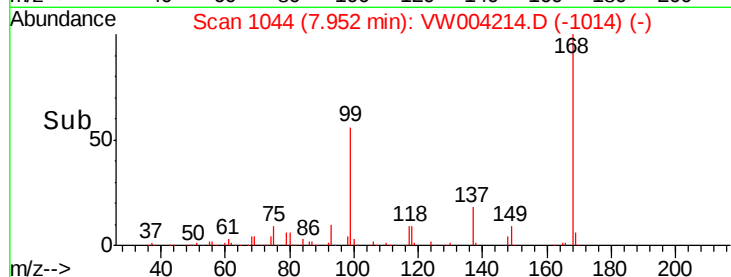
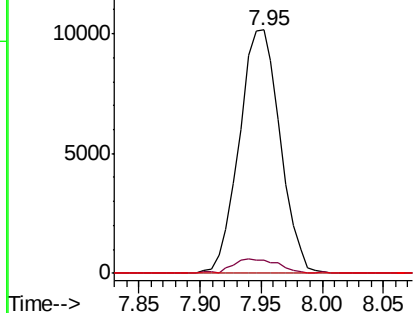
#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004214.D
Acq: 26 Jul 2018 01:05

Instrument :
MSVOA_W
ClientSampleId :
CON-SB-01-19-21

Tgt Ion:117 Resp: 23606
Ion Ratio Lower Upper
117 100
119 5.4 75.3 112.9#
121 0.0 26.0 39.0#

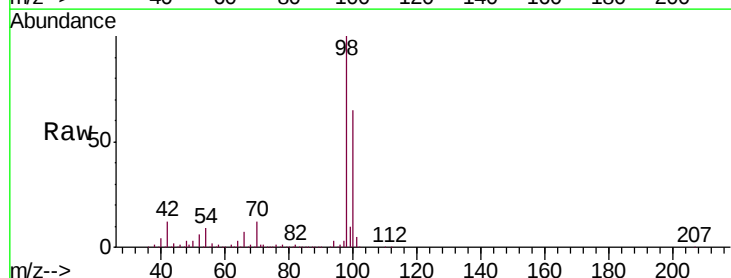


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

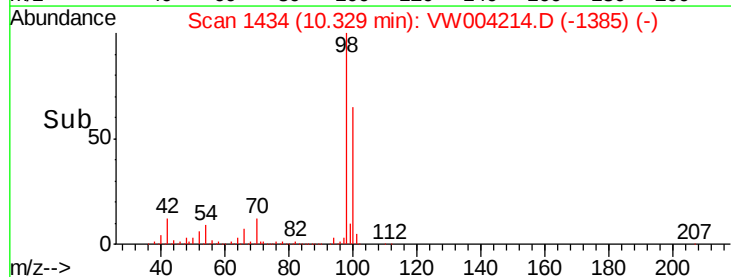
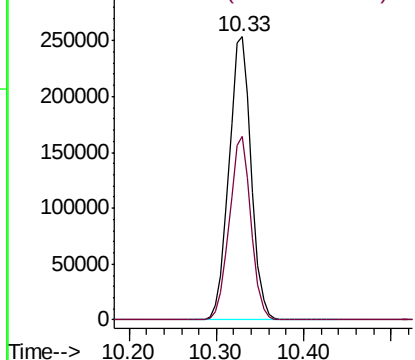


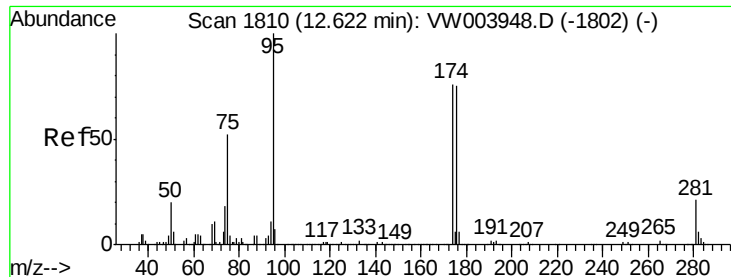
#50
Toluene-d8
Concen: 44.410 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004214.D
Acq: 26 Jul 2018 01:05

Tgt Ion: 98 Resp: 446678
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 36.188 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

CON-SB-01-19-21

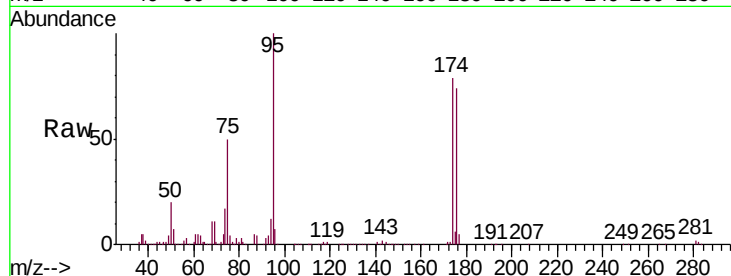
Tgt Ion: 95 Resp: 131254

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

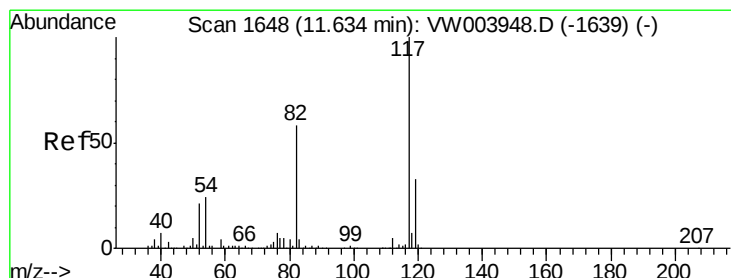
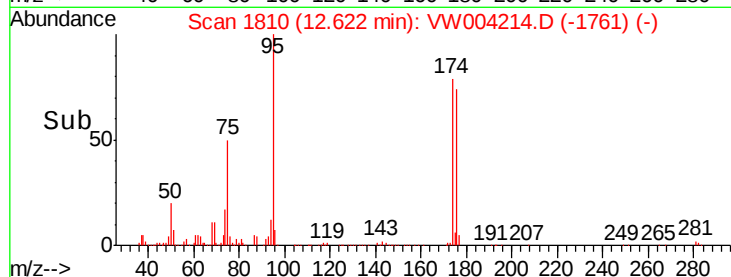
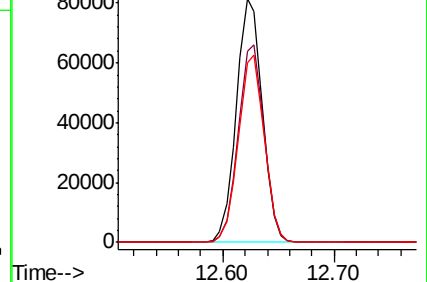
176 76.7 0.0 155.8



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# 1648

Delta R.T. 0.00 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

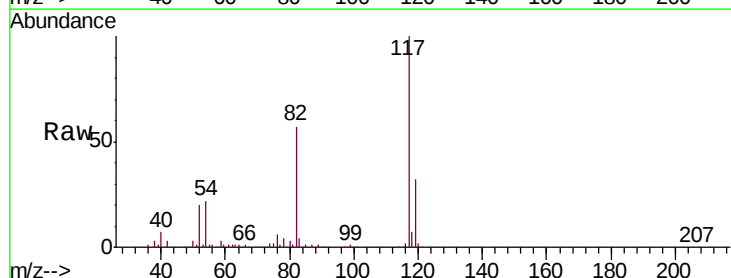
Tgt Ion: 117 Resp: 354850

Ion Ratio Lower Upper

117 100

82 56.7 46.5 69.7

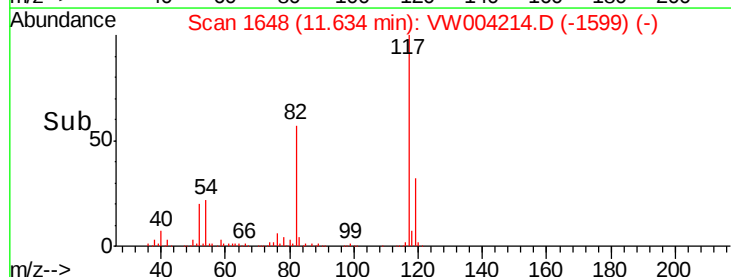
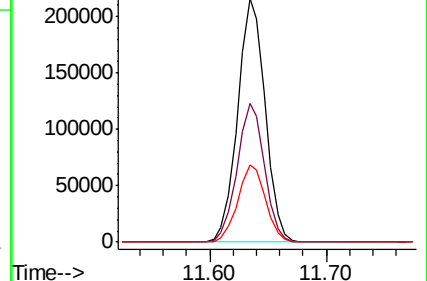
119 31.8 26.2 39.2

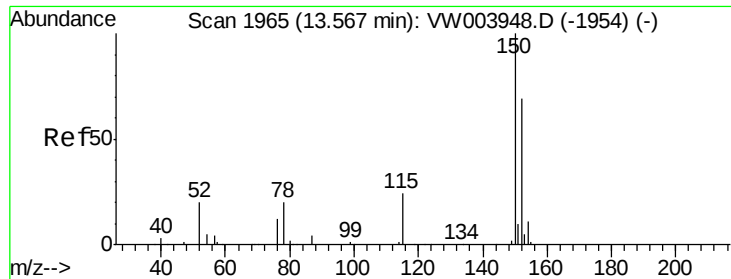


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

CON-SB-01-19-21

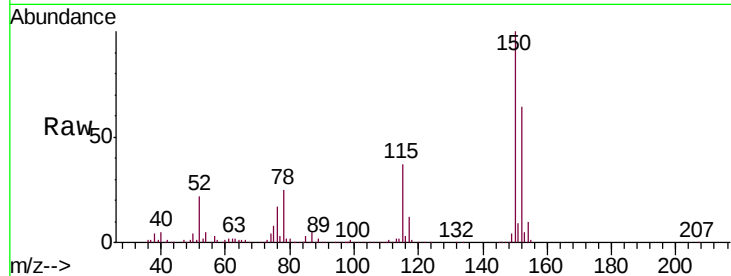
Tgt Ion:152 Resp: 143223

Ion Ratio Lower Upper

152 100

115 59.0 29.2 87.6

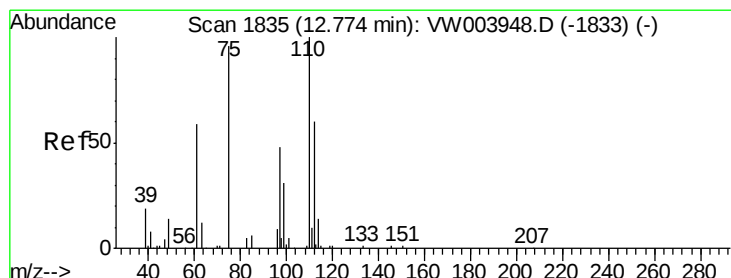
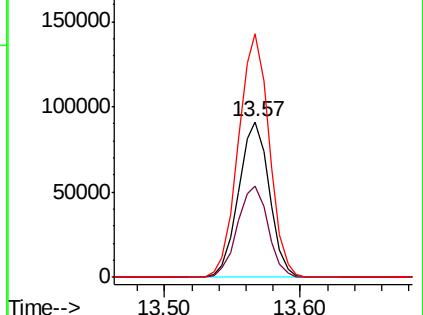
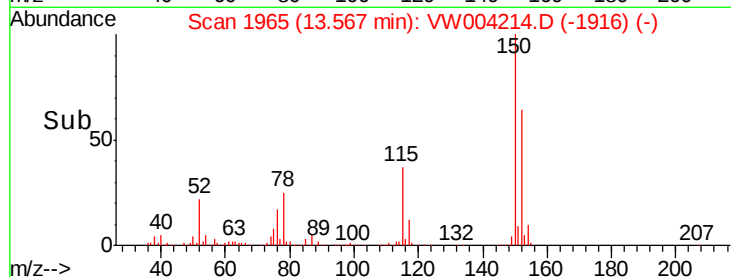
150 157.1 0.0 345.2



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: 47.286 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004214.D

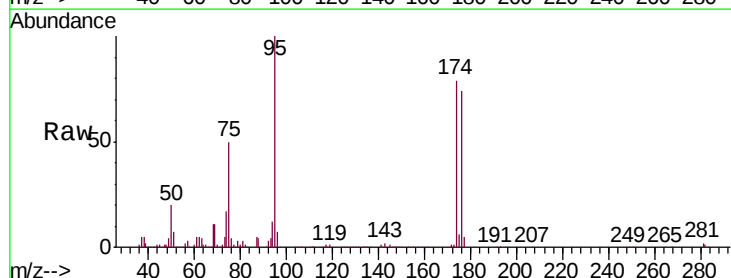
Acq: 26 Jul 2018 01:05

Tgt Ion: 75 Resp: 67235

Ion Ratio Lower Upper

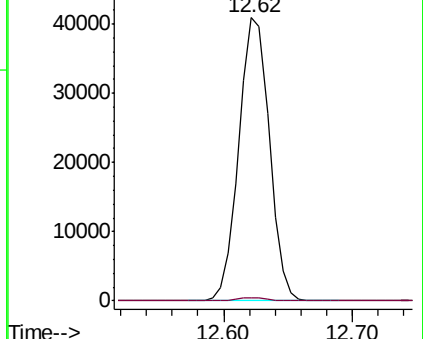
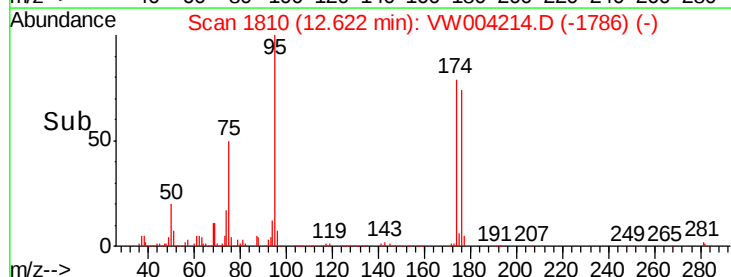
75 100

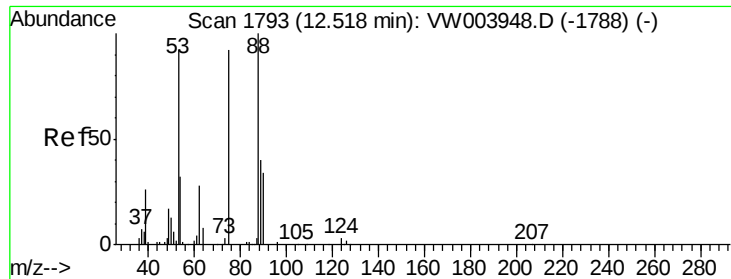
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 104.596 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004214.D

Acq: 26 Jul 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

CON-SB-01-19-21

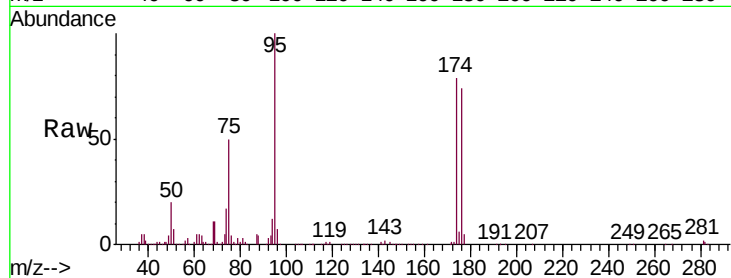
Tgt Ion: 75 Resp: 67235

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

