

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006564.D
 Acq On : 01 Nov 2018 17:24
 Operator : SY/AP
 Sample : J5665-06
 Misc : 4.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-08B

Quant Time: Nov 01 18:26:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	183646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	275322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	81091	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.88	113	78164	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	10.33	98	209379	31.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.66%	
62) 4-Bromofluorobenzene	12.62	95	40308	16.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.80%	

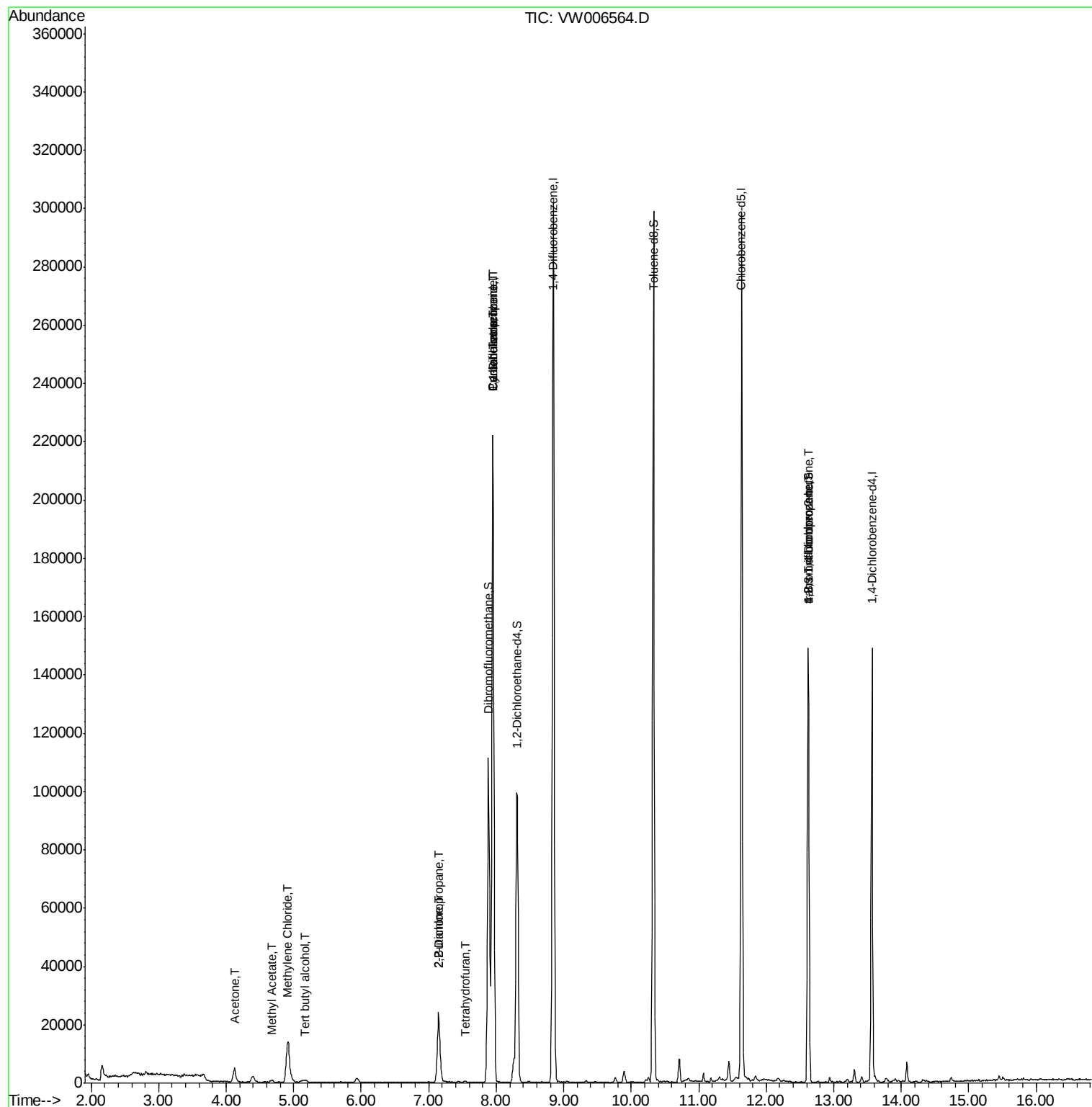
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1093	12.85	ug/l #	84
16) Acetone	4.12	43	8123	31.87	ug/l	99
18) Methyl Acetate	4.67	43	1416	1.93	ug/l #	86
20) Methylene Chloride	4.91	84	12869	2.06	ug/l	96
25) 2-Butanone	7.15	43	805	2.21	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	1786	1.07	ug/l #	49
29) Tetrahydrofuran	7.54	42	303	1.32	ug/l #	51
31) Cyclohexane	7.95	56	3158	1.26	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	11584	4.78	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15732	6.22	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	20228	59.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	20228	149.67	ug/l #	11

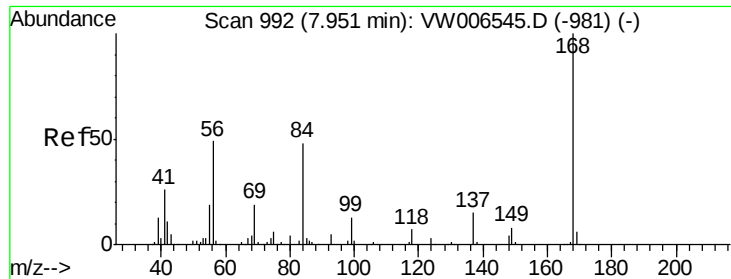
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

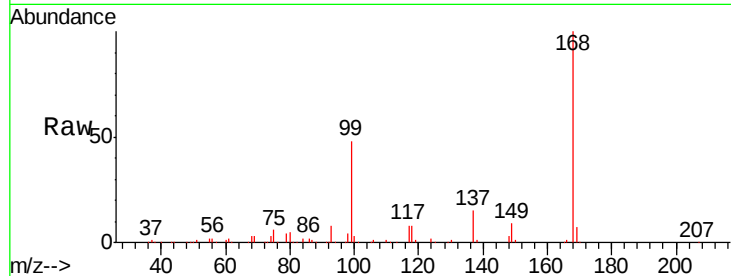
DL-08B

Tgt Ion: 168 Resp: 183646

Ion Ratio Lower Upper

168 100

99 47.6 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

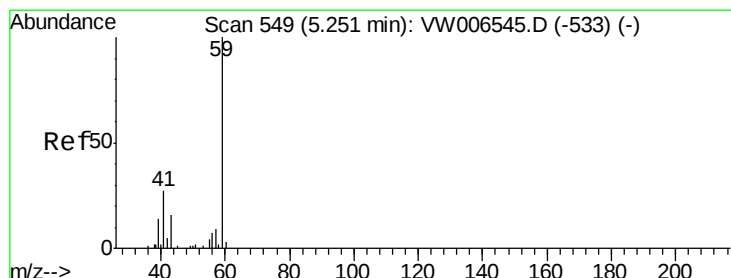
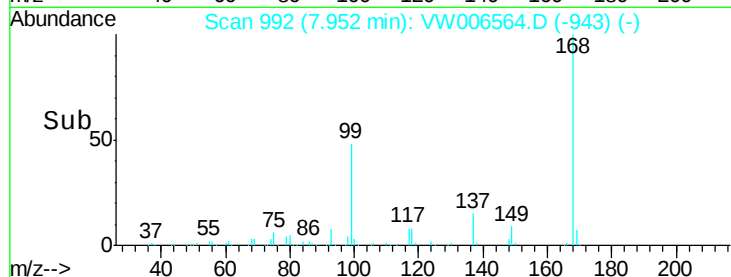
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 12.85 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.09 min

Lab File: VW006564.D

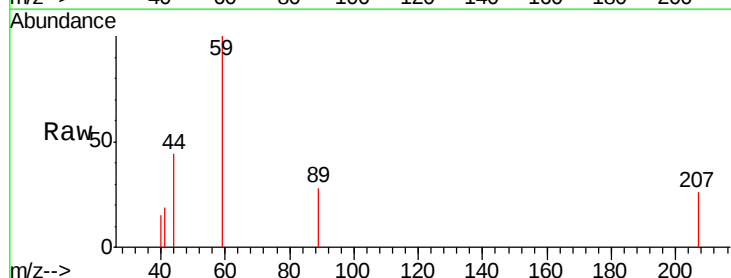
Acq: 01 Nov 2018 17:24

Tgt Ion: 59 Resp: 1093

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

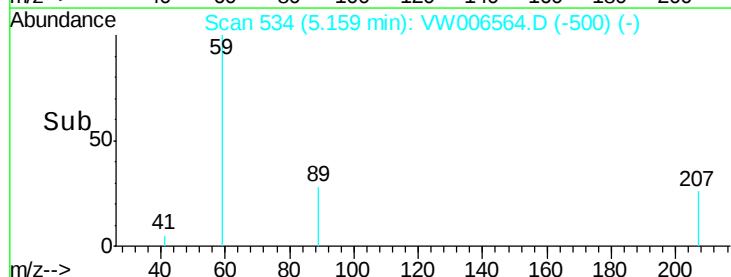
300

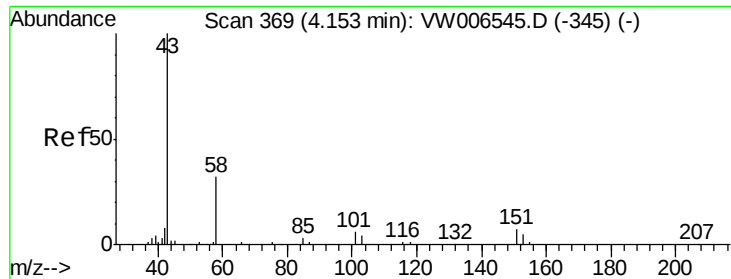
200

100

0

Time--> 5.05 5.10 5.15 5.20





#16

Acetone

Concen: 31.87 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

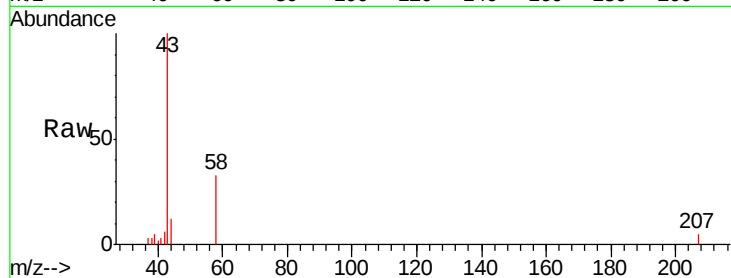
DL-08B

Tgt Ion: 43 Resp: 8123

Ion Ratio Lower Upper

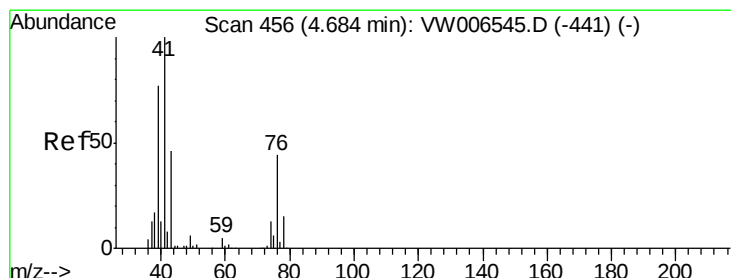
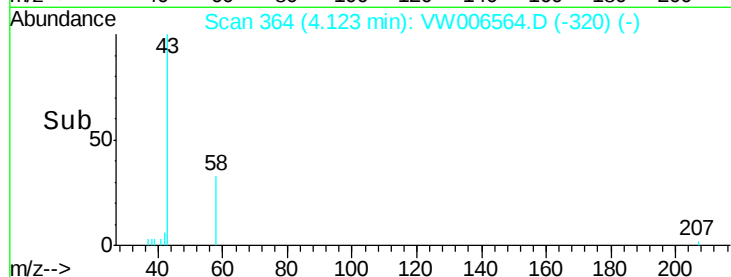
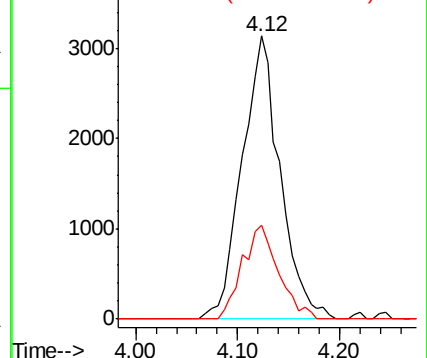
43 100

58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.93 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006564.D

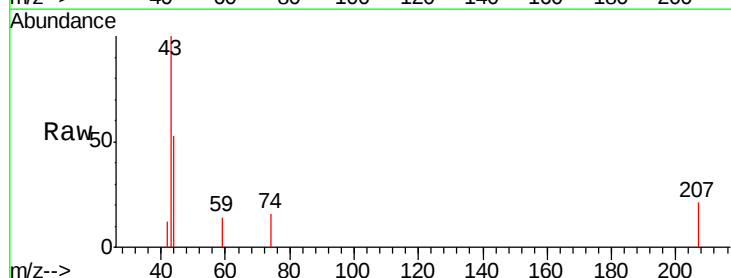
Acq: 01 Nov 2018 17:24

Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

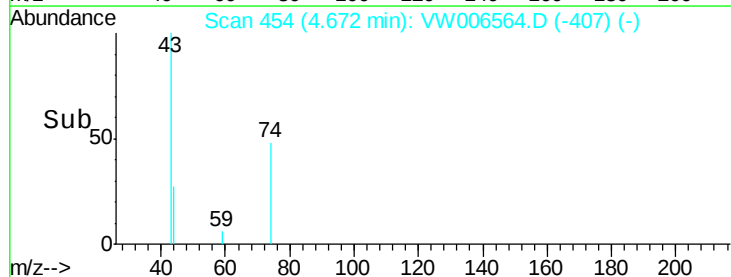
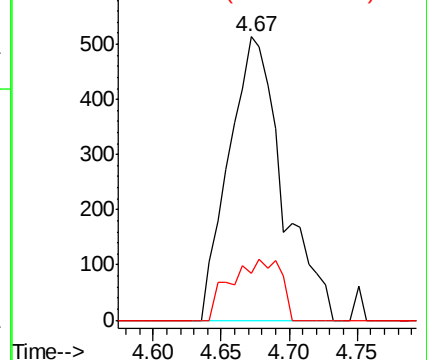
43 100

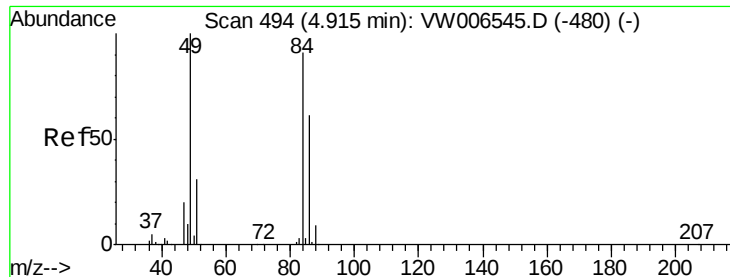
74 20.1 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

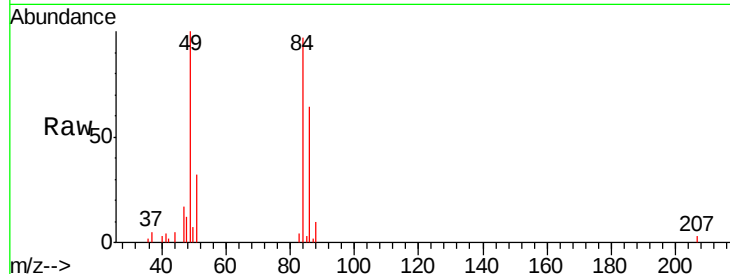




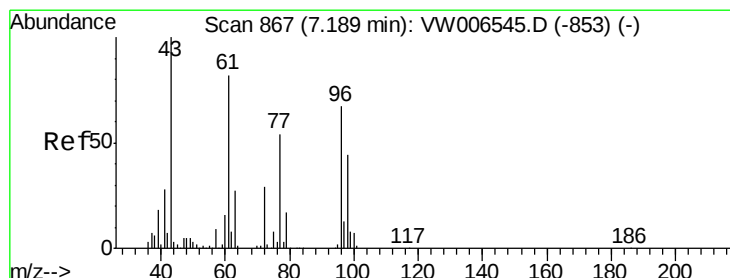
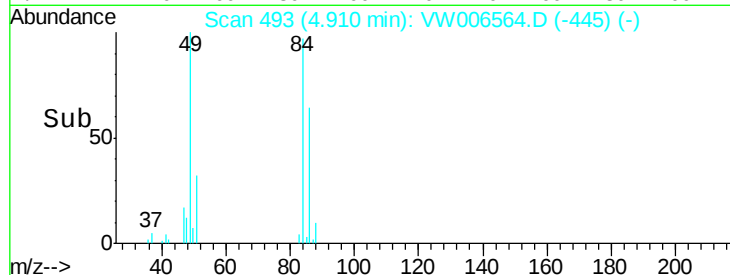
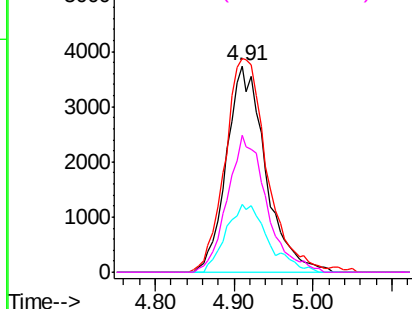
#20
Methylene Chloride
Concen: 2.06 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006564.D
Acq: 01 Nov 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
DL-08B

Tgt Ion: 84 Resp: 12869
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.4
51 33.0 27.0 40.6
86 66.1 53.8 80.8

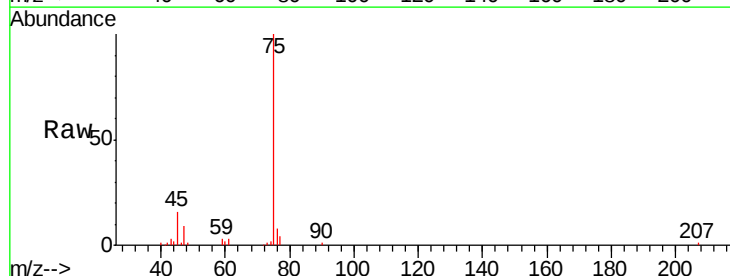


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

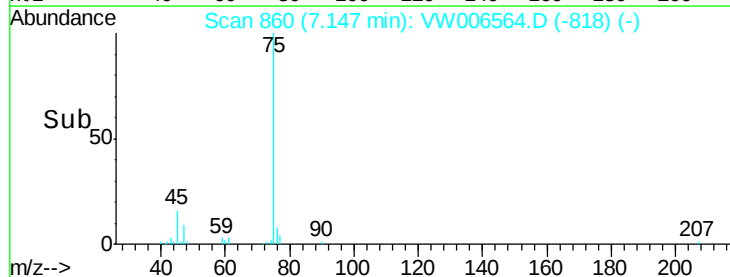
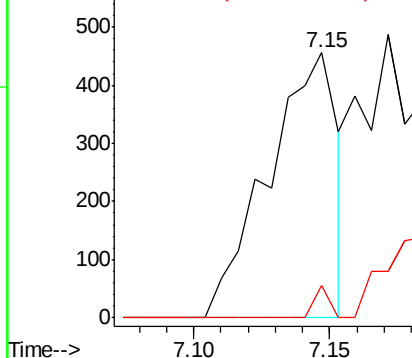


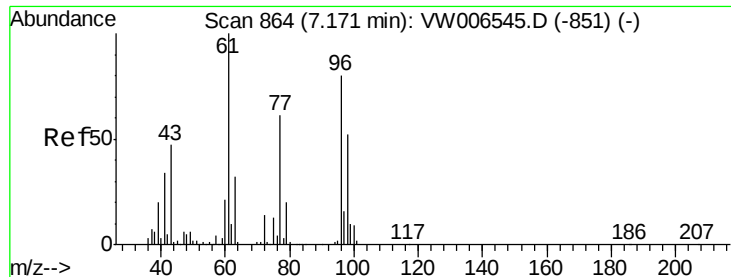
#25
2-Butanone
Concen: 2.21 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006564.D
Acq: 01 Nov 2018 17:24

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 12.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.07 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

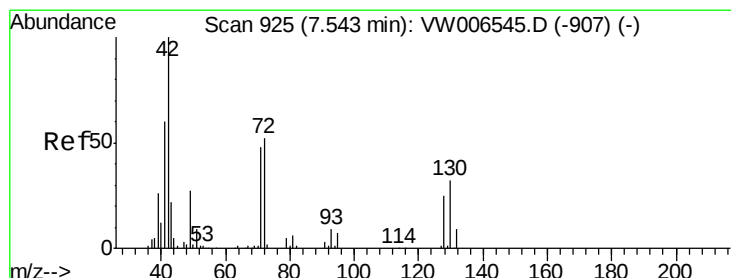
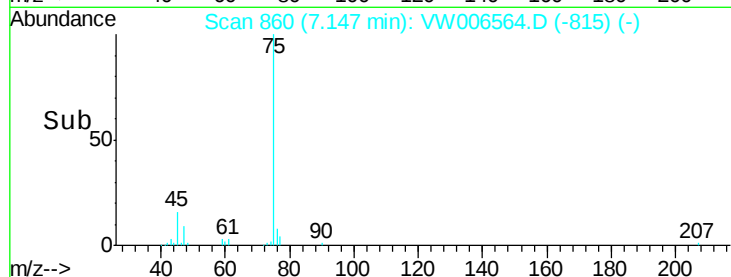
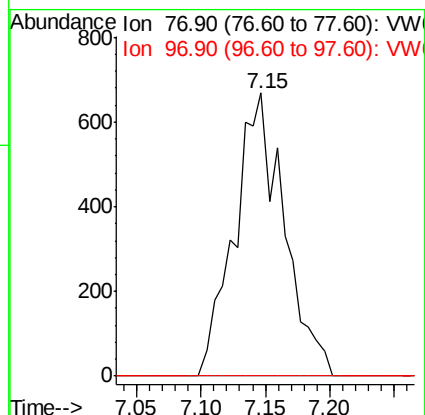
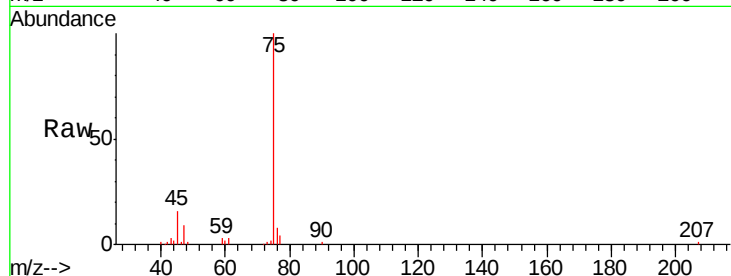
DL-08B

Tgt Ion: 77 Resp: 1786

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#



#29

Tetrahydrofuran

Concen: 1.32 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

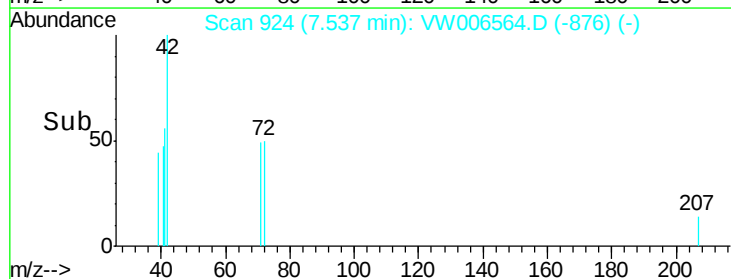
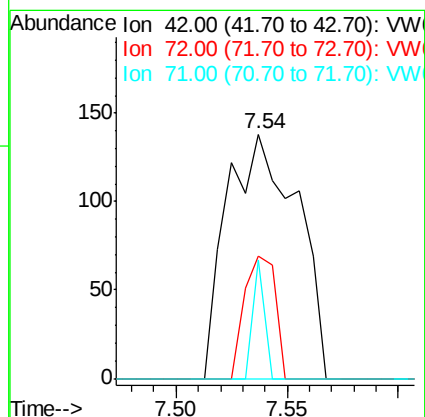
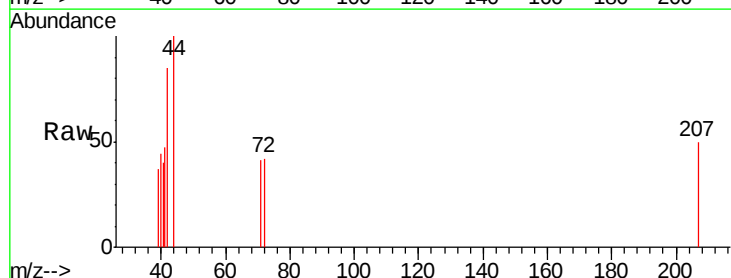
Tgt Ion: 42 Resp: 303

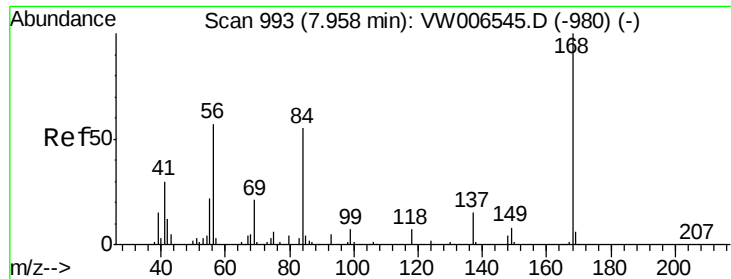
Ion Ratio Lower Upper

42 100

72 22.1 39.2 58.8#

71 8.3 37.6 56.4#

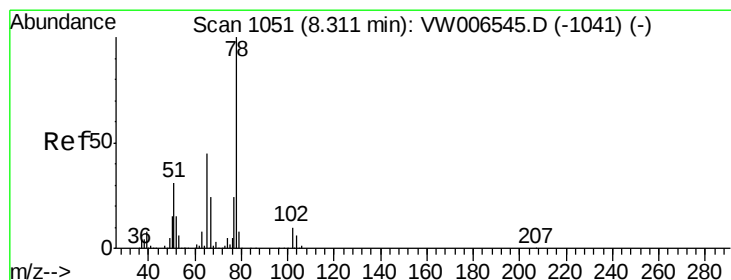
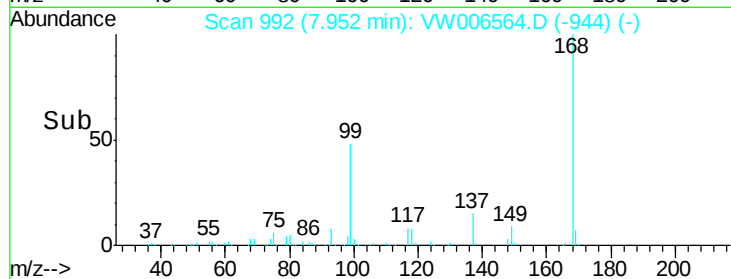
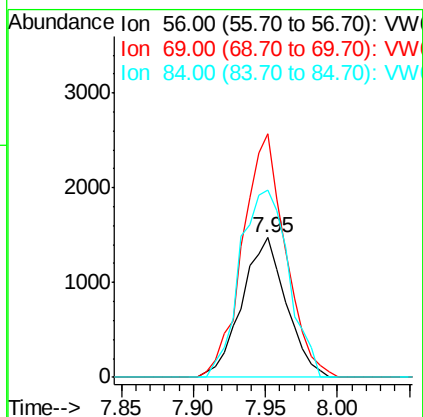
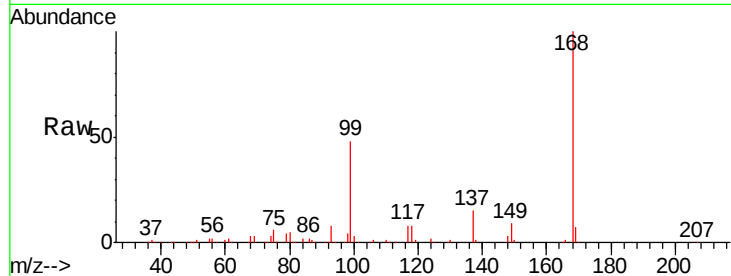




#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006564.D
Acq: 01 Nov 2018 17:24

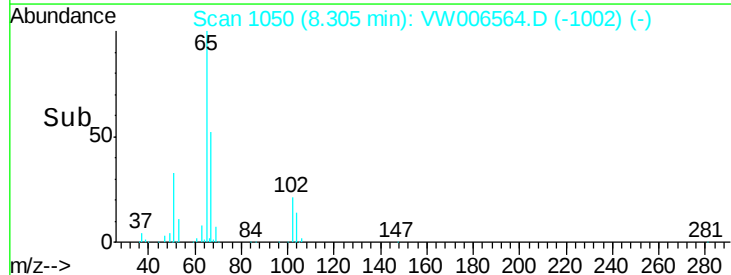
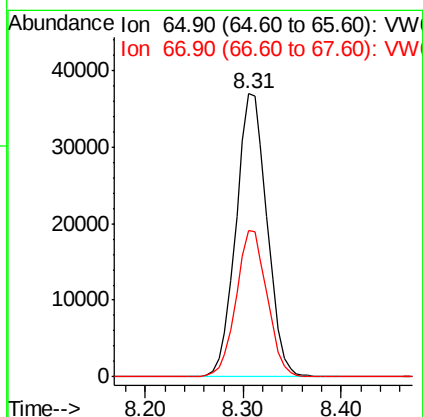
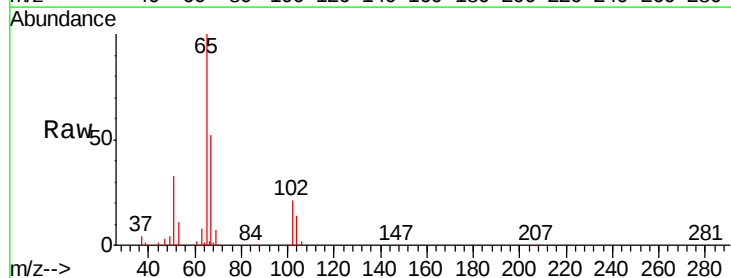
Instrument :
MSVOA_W
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DL-08B

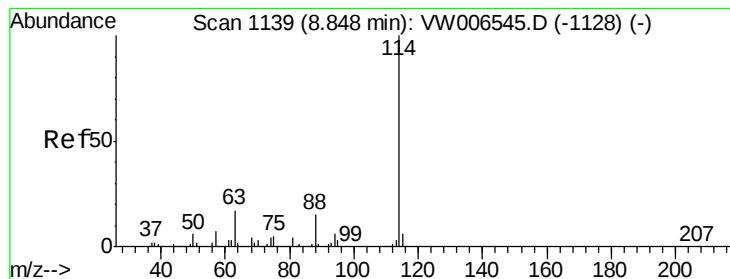
Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
69 174.2 29.0 43.4#
84 133.6 77.8 116.6#



#33
1,2-Dichloroethane-d4
Concen: 51.37 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006564.D
Acq: 01 Nov 2018 17:24

Tgt Ion: 65 Resp: 81091
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

DL-08B

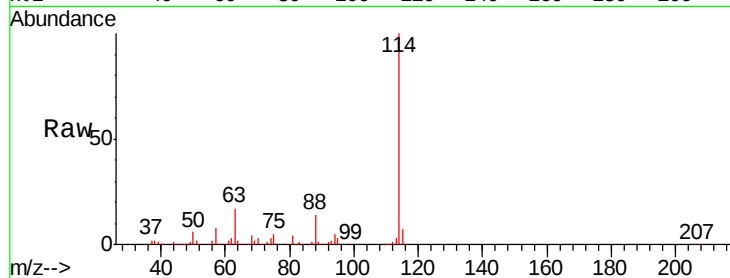
Tgt Ion:114 Resp: 275322

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

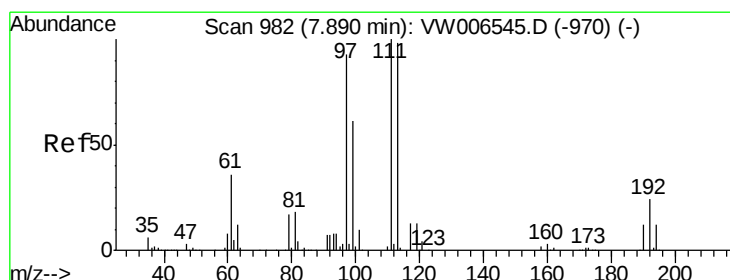
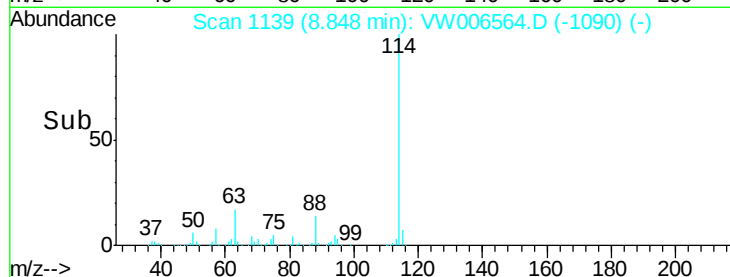
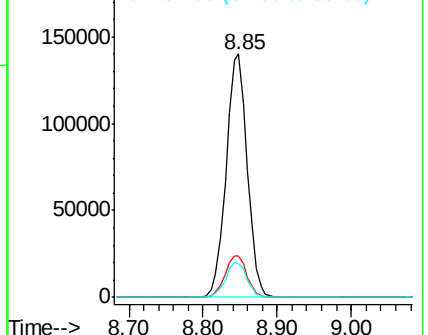
88 13.9 0.0 29.0



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: 45.24 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

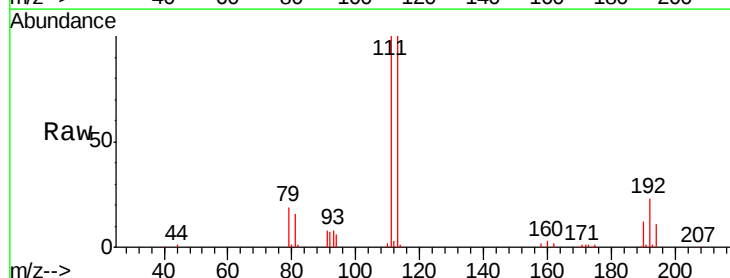
Tgt Ion:113 Resp: 78164

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

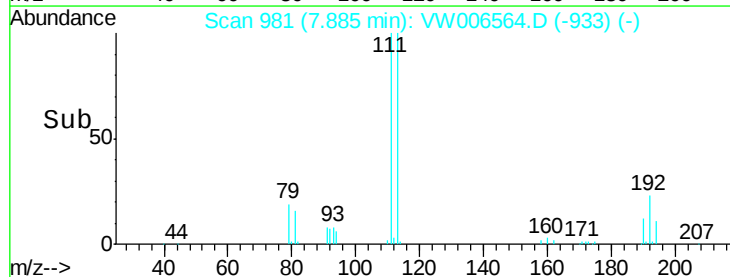
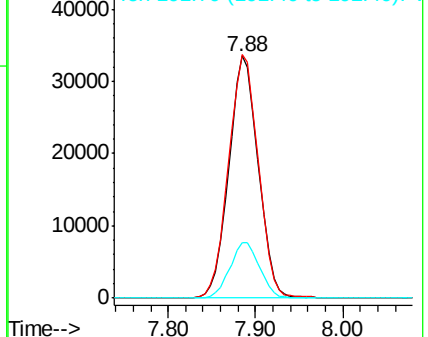
192 23.2 19.0 28.6

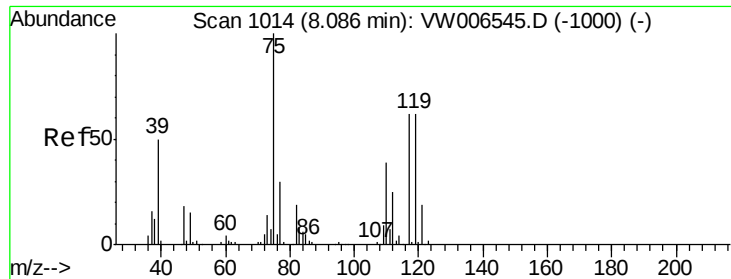


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

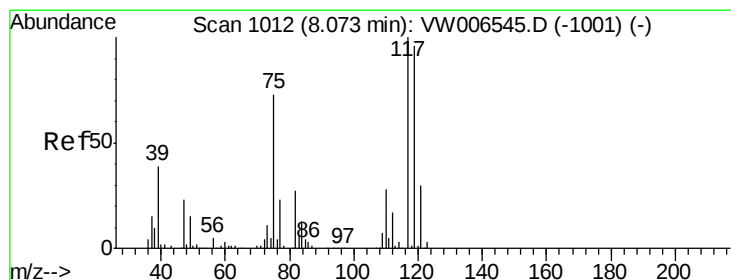
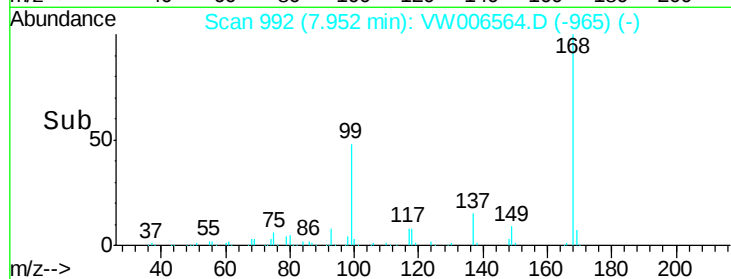
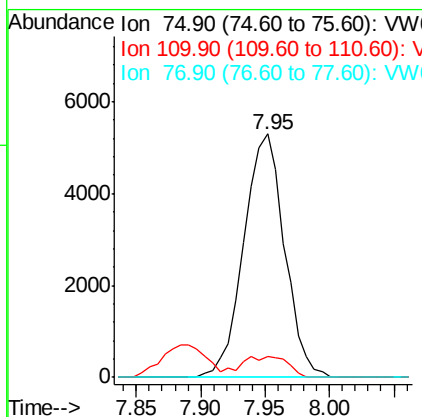
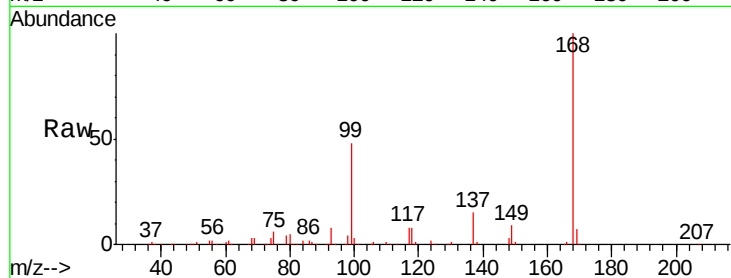




#36
 1,1-Dichloropropene
 Concen: 4.78 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006564.D
 Acq: 01 Nov 2018 17:24

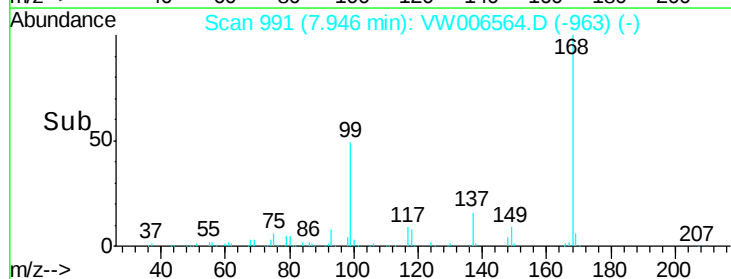
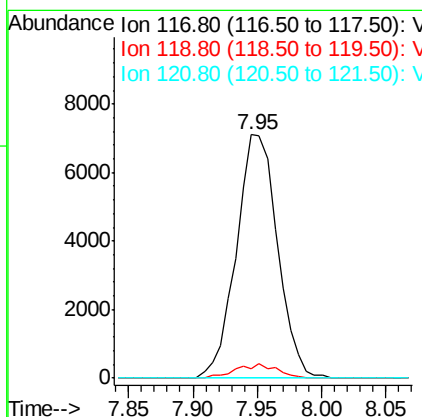
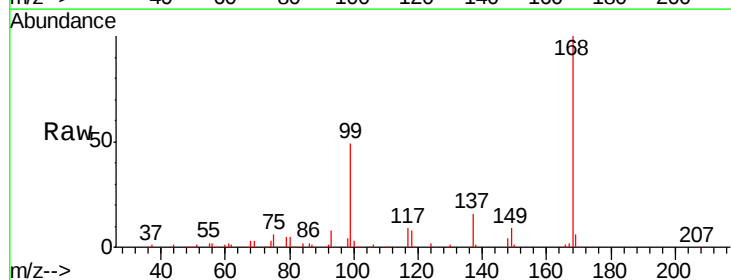
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-08B

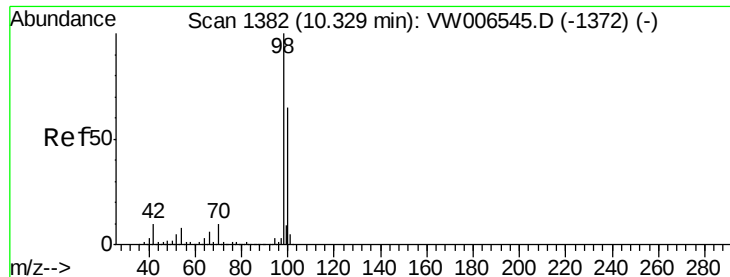
Tgt Ion: 75 Resp: 11584
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.22 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW006564.D
 Acq: 01 Nov 2018 17:24

Tgt Ion: 117 Resp: 15732
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.3 114.5#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 31.83 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

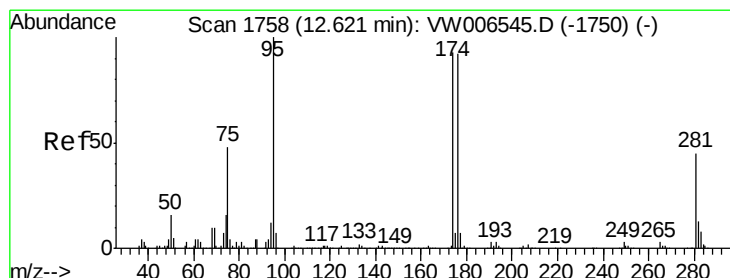
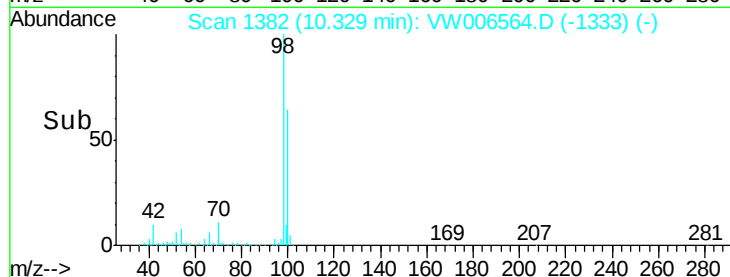
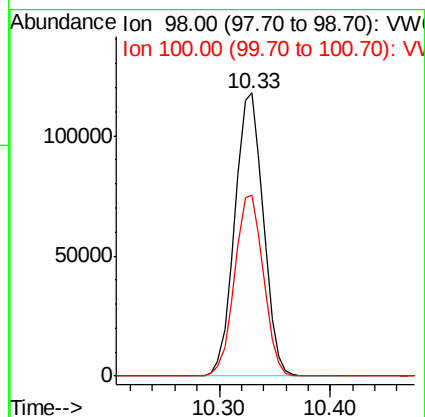
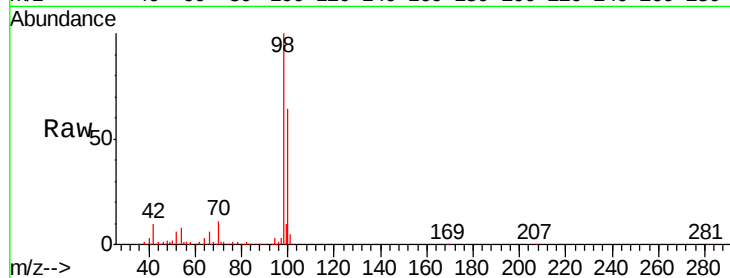
DL-08B

Tgt Ion: 98 Resp: 209379

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 16.90 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

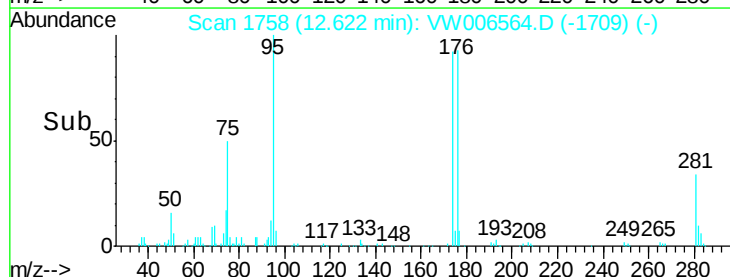
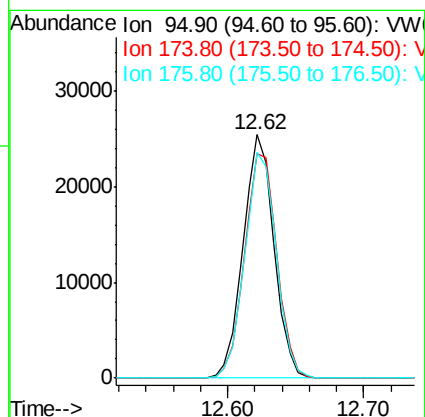
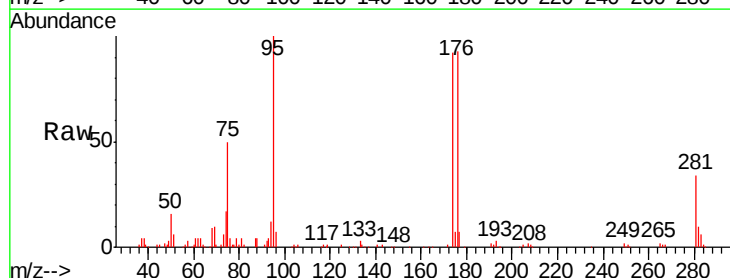
Tgt Ion: 95 Resp: 40308

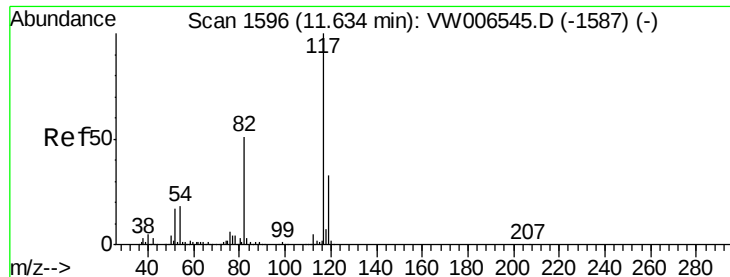
Ion Ratio Lower Upper

95 100

174 96.6 0.0 192.4

176 94.4 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

DL-08B

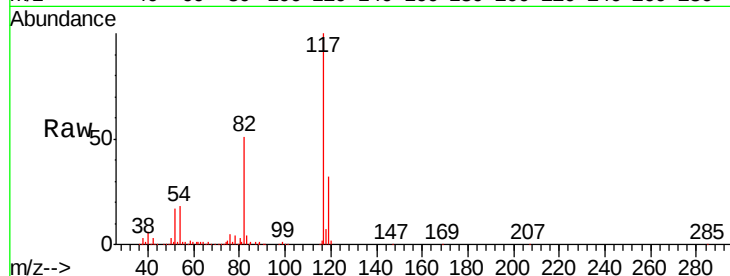
Tgt Ion:117 Resp: 171074

Ion Ratio Lower Upper

117 100

82 50.7 40.8 61.2

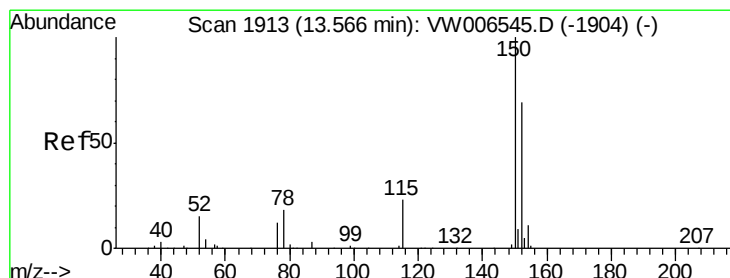
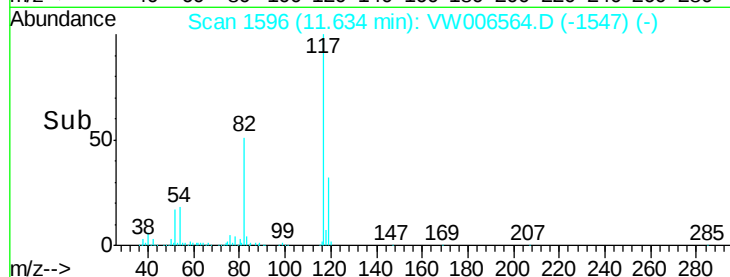
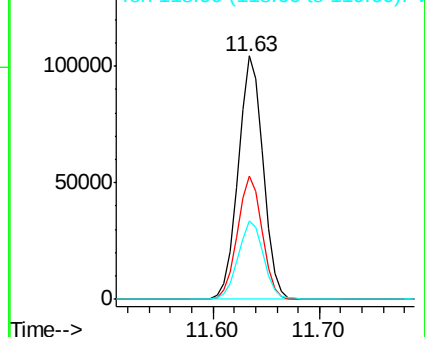
119 31.7 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006564.D

Acq: 01 Nov 2018 17:24

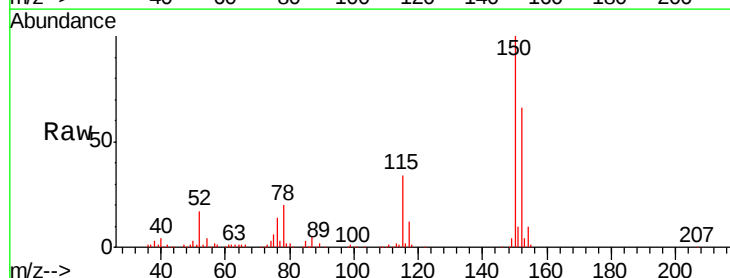
Tgt Ion:152 Resp: 43240

Ion Ratio Lower Upper

152 100

115 53.7 26.6 79.8

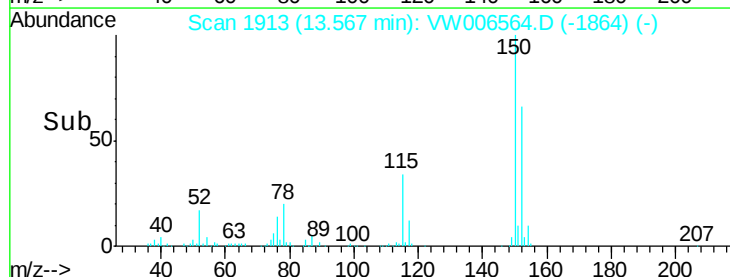
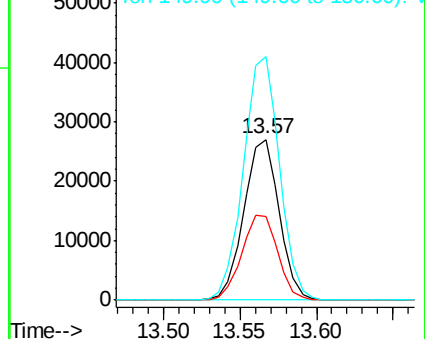
150 155.2 0.0 344.6

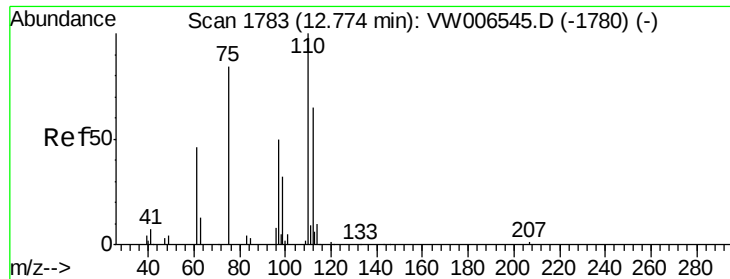


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

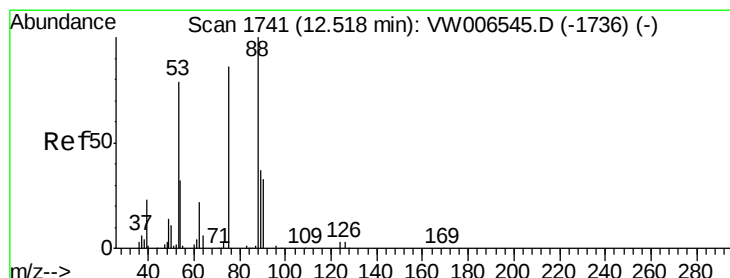
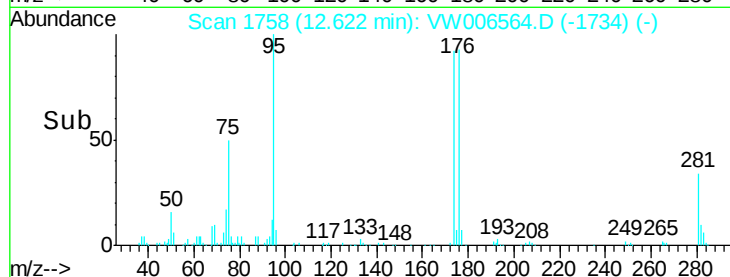
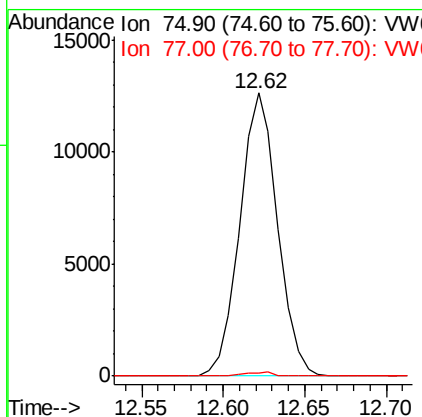
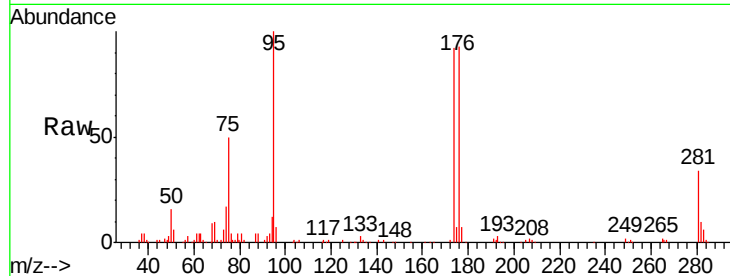




#76
 1,2,3-Trichloropropane
 Concen: 59.96 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006564.D
 Acq: 01 Nov 2018 17:24

Instrument :
 MSVOA_W
 ClientSampled :
 DL-08B

Tgt Ion: 75 Resp: 20228
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.67 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006564.D
 Acq: 01 Nov 2018 17:24

Tgt Ion: 75 Resp: 20228
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.2 115.8#
 89 0.1 38.6 58.0#

