

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004801.D
 Acq On : 20 Aug 2018 19:36
 Operator : SY/AP
 Sample : J4499-05
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-05(0-1)

Quant Time: Aug 21 00:57:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	538994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	865605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	735381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	276115	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	319217	61.26	ug/l	0.00
Spiked Amount			Recovery	=	122.52%	
35) Dibromofluoromethane	7.88	113	304103	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.33	98	986873	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.63	95	283048	36.43	ug/l	0.00
Spiked Amount			Recovery	=	72.86%	

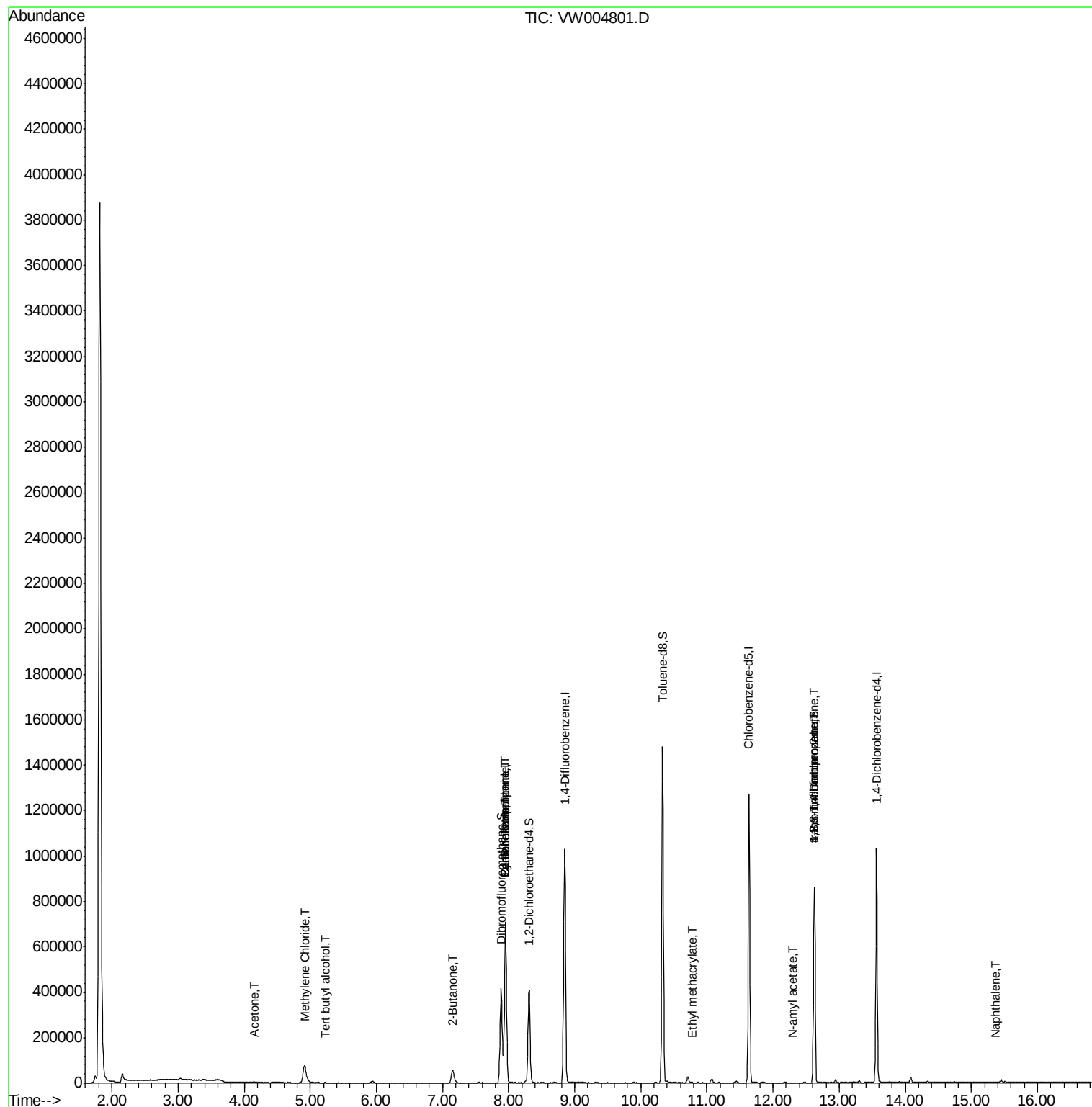
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	642	2.205	ug/l #	82
16) Acetone	4.15	43	8784	6.603	ug/l #	85
20) Methylene Chloride	4.92	84	68819	7.678	ug/l	95
25) 2-Butanone	7.15	43	3805	2.008	ug/l #	60
31) Cyclohexane	7.95	56	10367	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	40147	4.502	ug/l #	48
38) Carbon Tetrachloride	7.95	117	49276	6.003	ug/l #	17
56) Ethyl methacrylate	10.77	69	52	2.989	ug/l #	27
74) N-amyl acetate	12.30	43	48	4.029	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	133753	54.952	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133753	127.722	ug/l #	14
95) Naphthalene	15.37	128	709	3.566	ug/l #	73

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

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

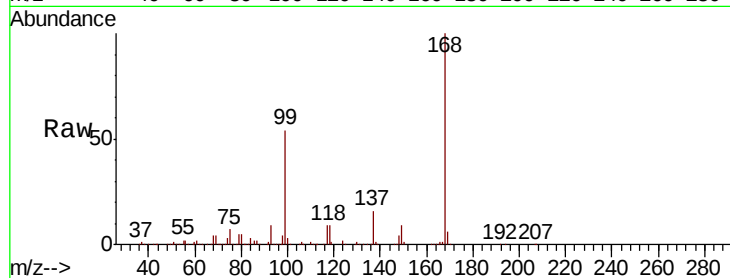
LSB-05(0-1)

Tgt Ion:168 Resp: 538994

Ion Ratio Lower Upper

168 100

99 54.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

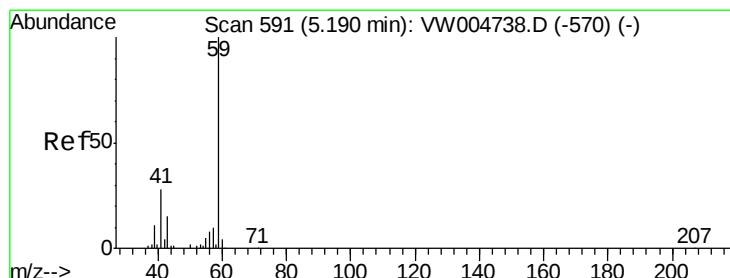
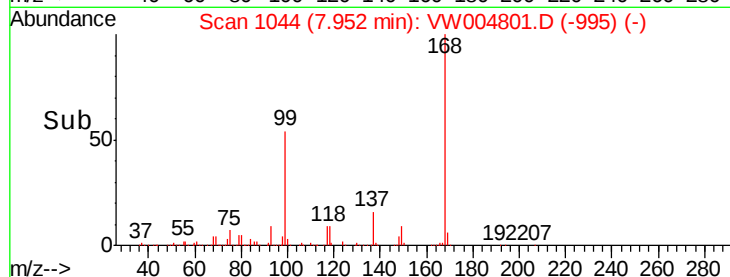
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.205 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.03 min

Lab File: VW004801.D

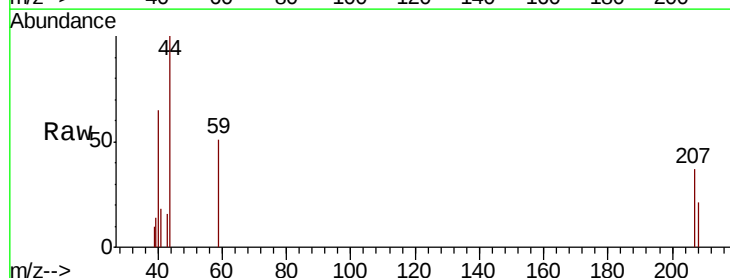
Acq: 20 Aug 2018 19:36

Tgt Ion: 59 Resp: 642

Ion Ratio Lower Upper

59 100

57 3.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

400

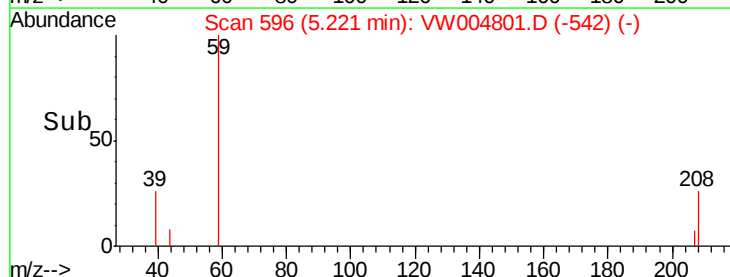
300

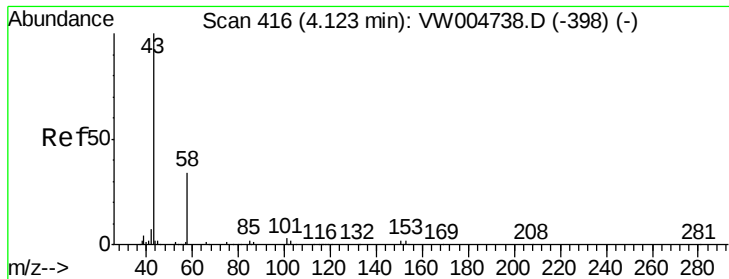
200

100

0

Time--> 5.15 5.20 5.25

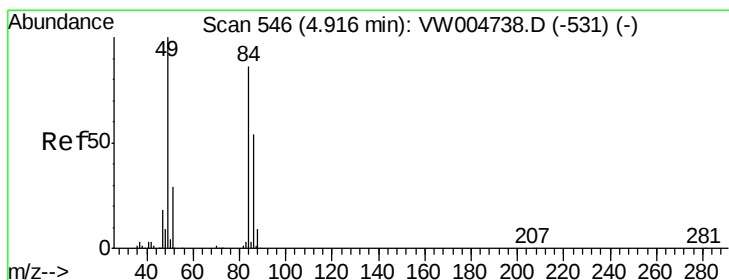
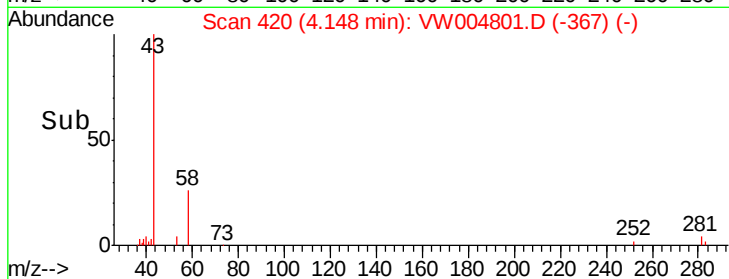
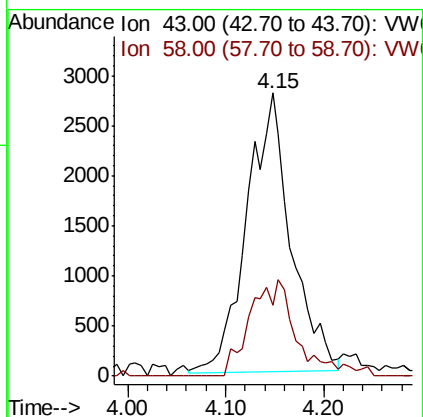
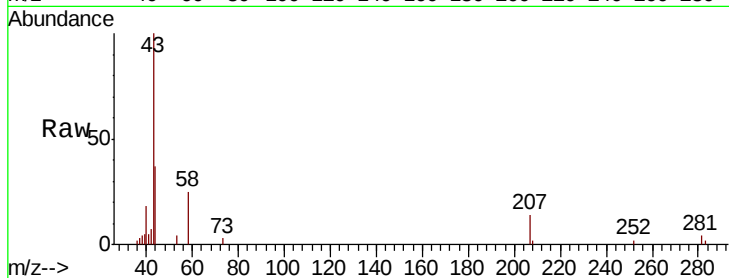




#16
Acetone
Concen: 6.603 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.02 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

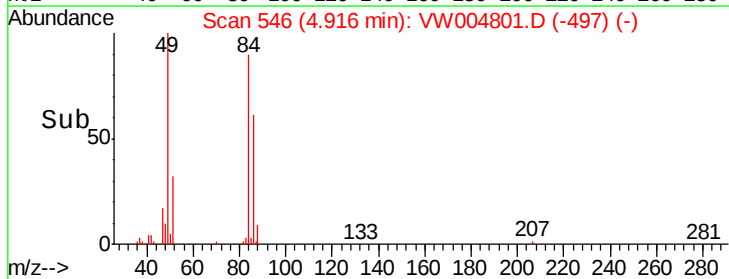
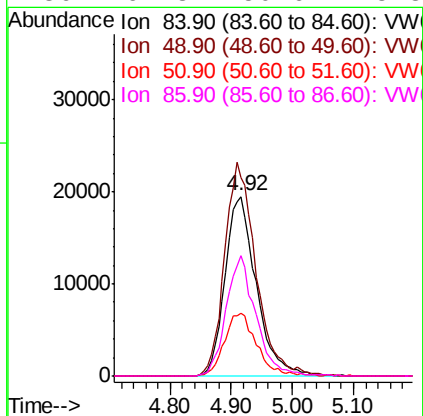
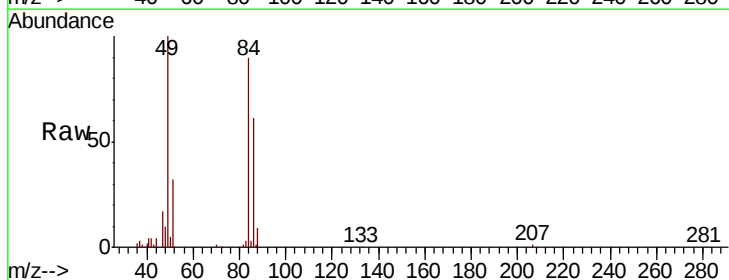
Instrument :
MSVOA_W
ClientSampleId :
LSB-05(0-1)

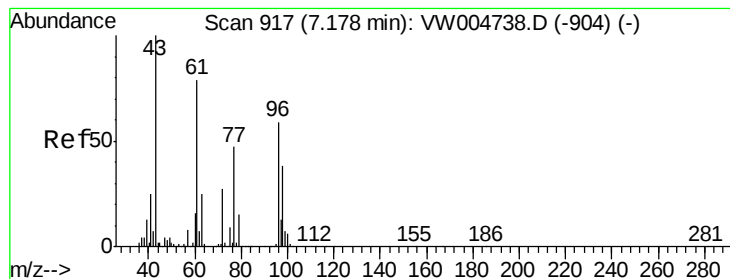
Tgt Ion: 43 Resp: 8784
Ion Ratio Lower Upper
43 100
58 25.6 27.3 40.9#



#20
Methylene Chloride
Concen: 7.678 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Tgt Ion: 84 Resp: 68819
Ion Ratio Lower Upper
84 100
49 110.7 93.2 139.8
51 35.1 27.4 41.0
86 67.3 50.6 75.8





#25

2-Butanone

Concen: 2.008 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.03 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

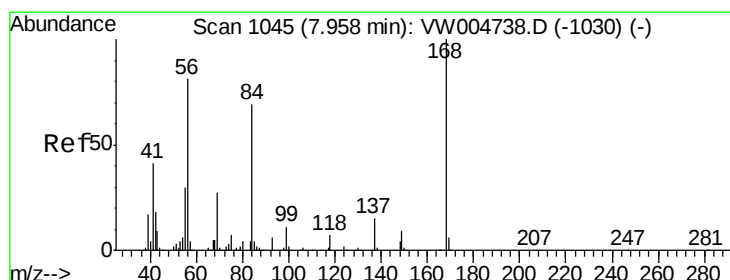
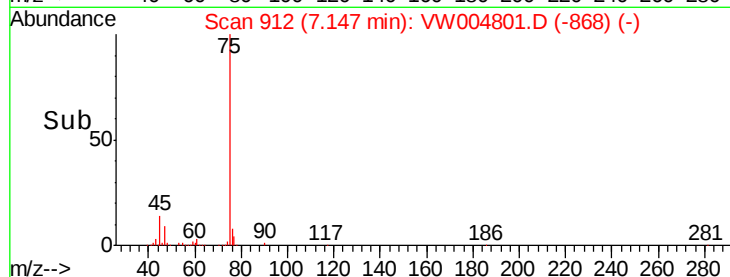
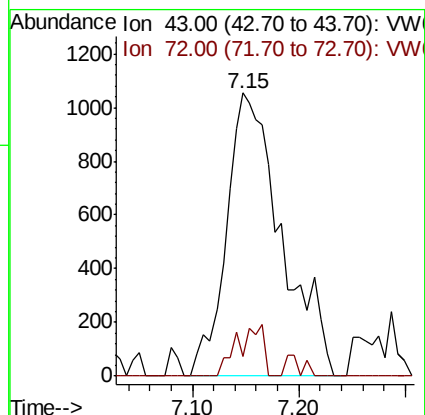
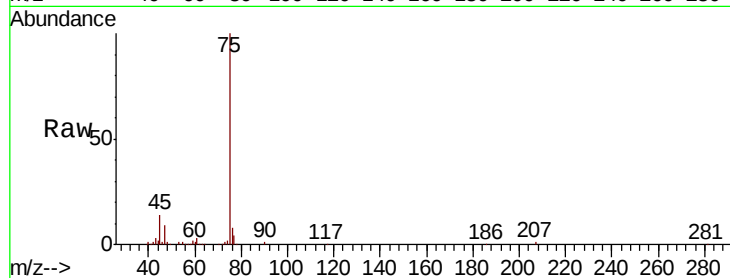
LSB-05(0-1)

Tgt Ion: 43 Resp: 3805

Ion Ratio Lower Upper

43 100

72 6.8 22.0 33.0#



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

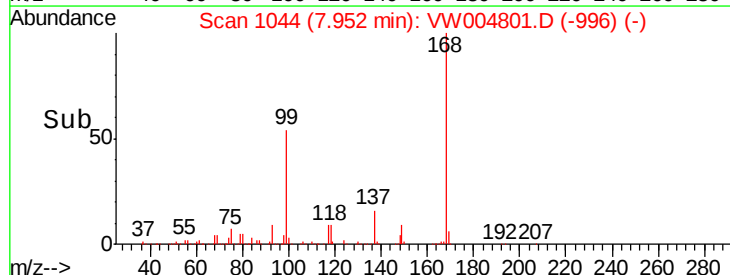
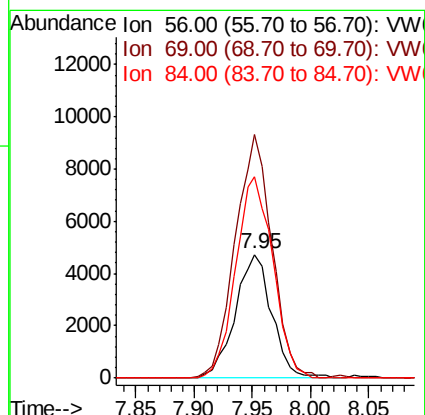
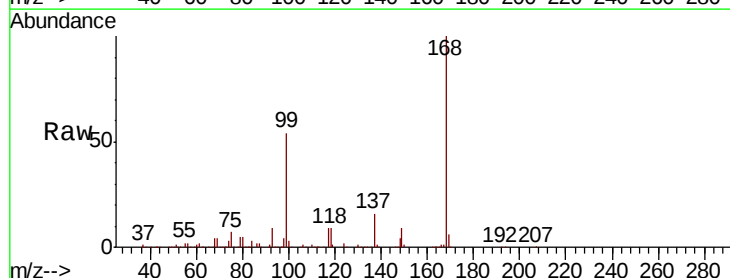
Tgt Ion: 56 Resp: 10367

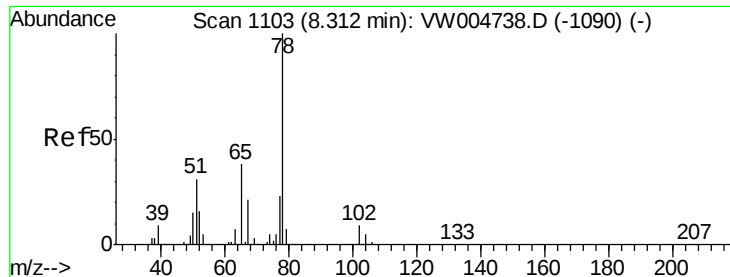
Ion Ratio Lower Upper

56 100

69 196.8 27.1 40.7#

84 163.1 68.3 102.5#

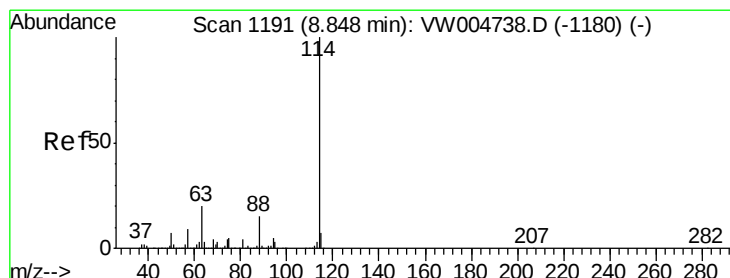
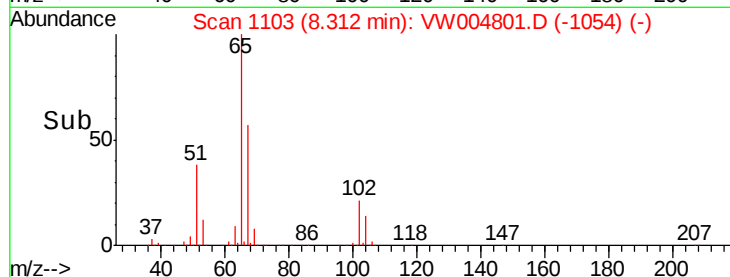
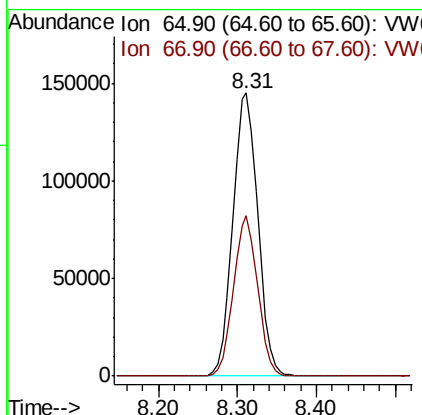
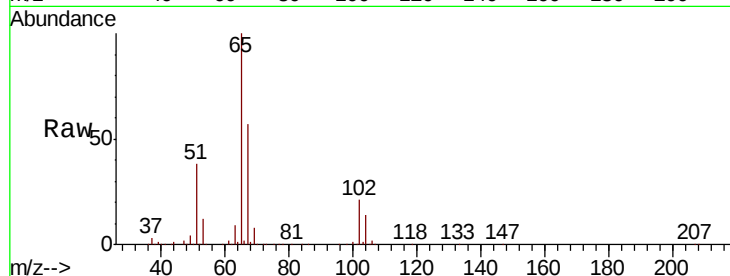




#33
 1,2-Dichloroethane-d4
 Concen: 61.258 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004801.D
 Acq: 20 Aug 2018 19:36

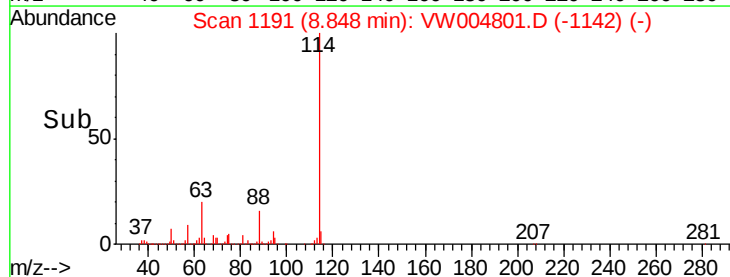
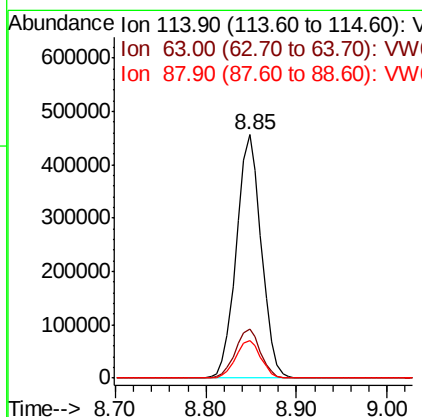
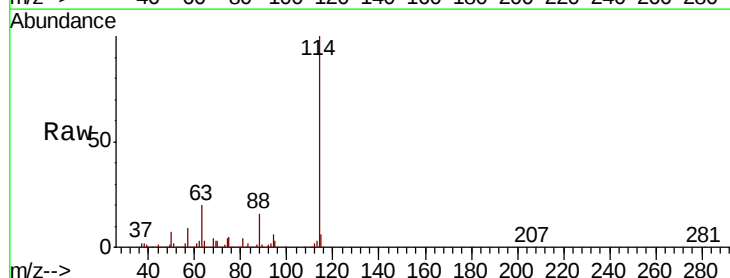
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-05(0-1)

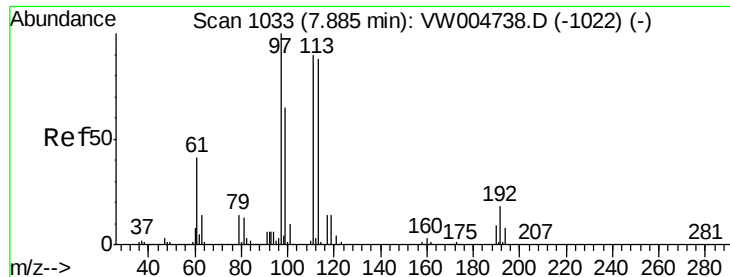
Tgt Ion: 65 Resp: 319217
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004801.D
 Acq: 20 Aug 2018 19:36

Tgt Ion: 114 Resp: 865605
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.968 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)

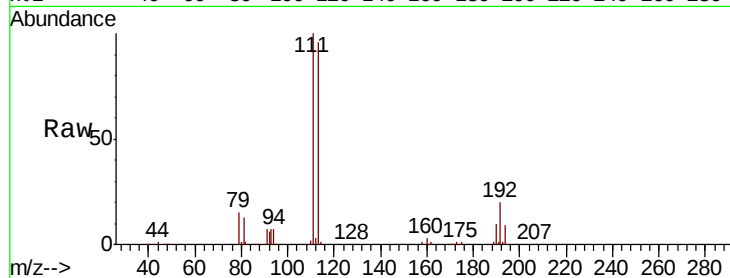
Tgt Ion:113 Resp: 304103

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

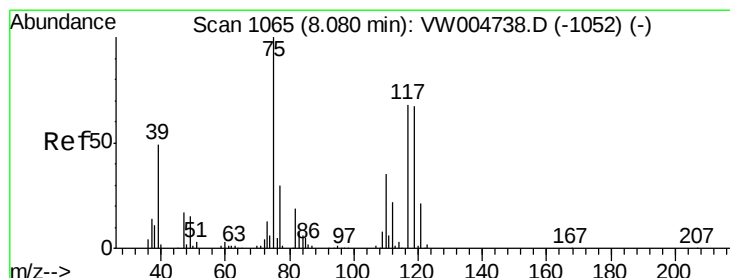
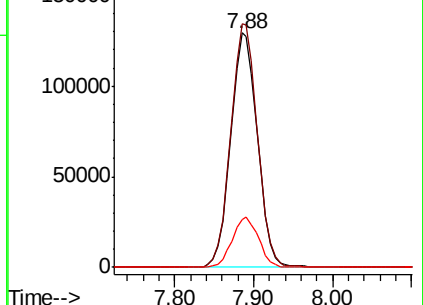
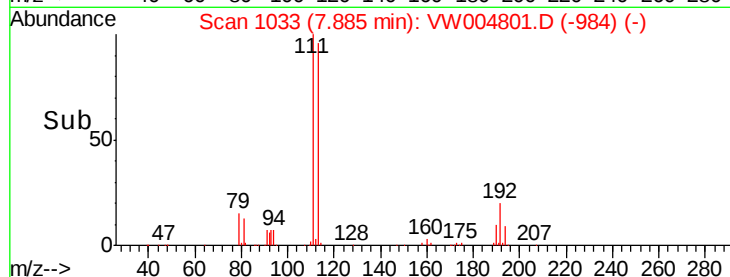
192 21.2 16.7 25.1



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: 4.502 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

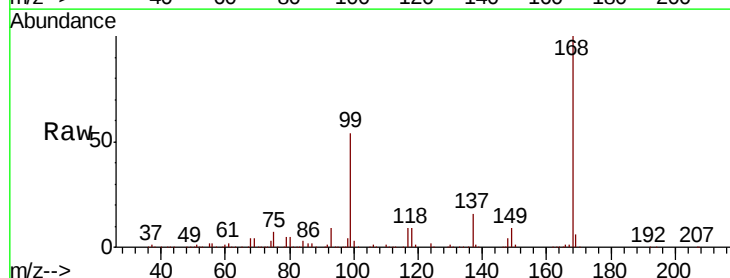
Tgt Ion: 75 Resp: 40147

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

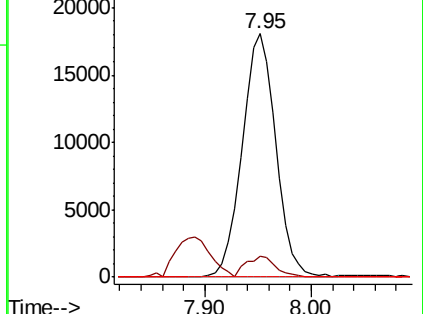
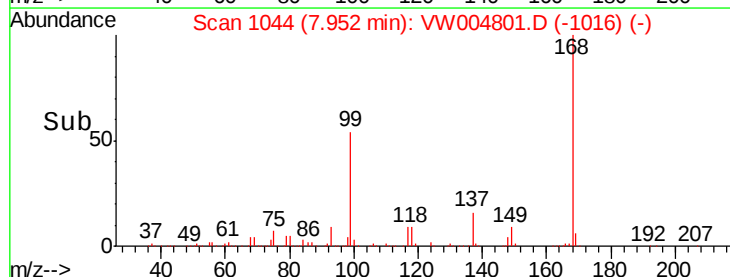
77 0.1 24.9 37.3#

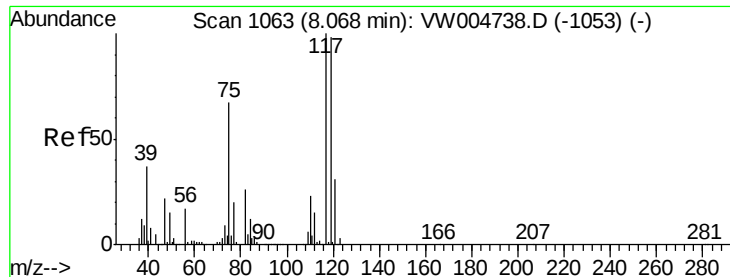


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.003 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

LSB-05(0-1)

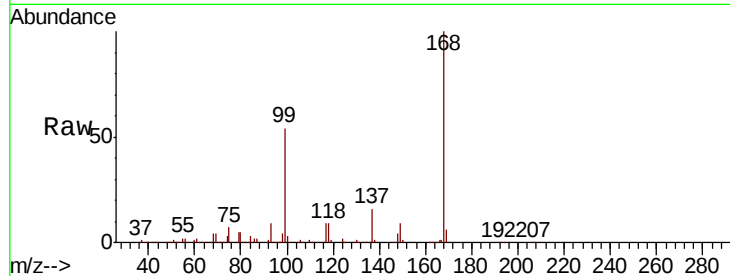
Tgt Ion:117 Resp: 49276

Ion Ratio Lower Upper

117 100

119 7.6 78.0 117.0#

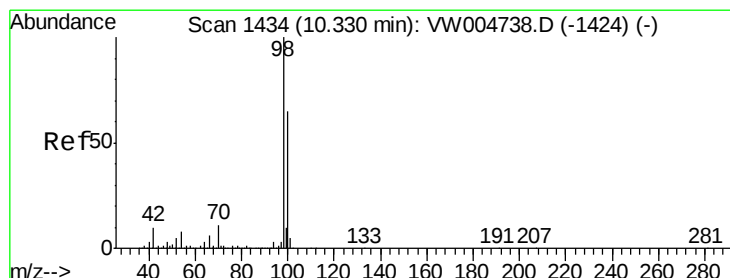
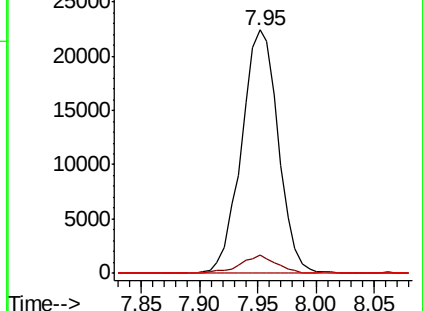
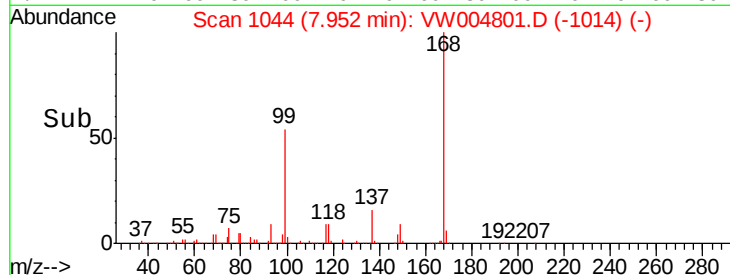
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 45.697 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004801.D

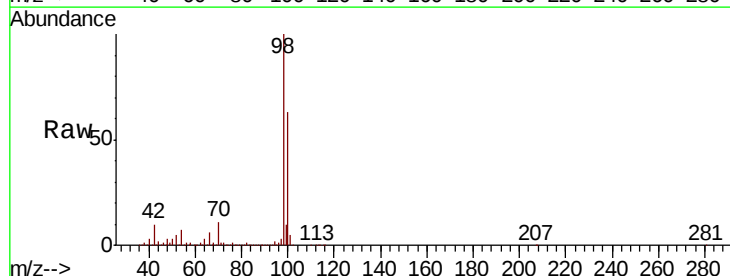
Acq: 20 Aug 2018 19:36

Tgt Ion: 98 Resp: 986873

Ion Ratio Lower Upper

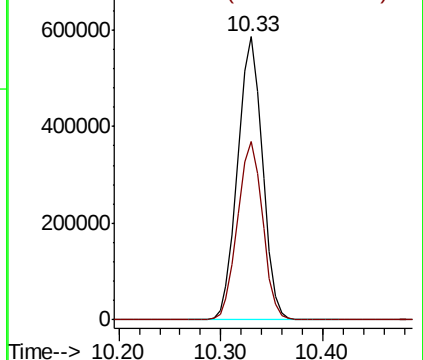
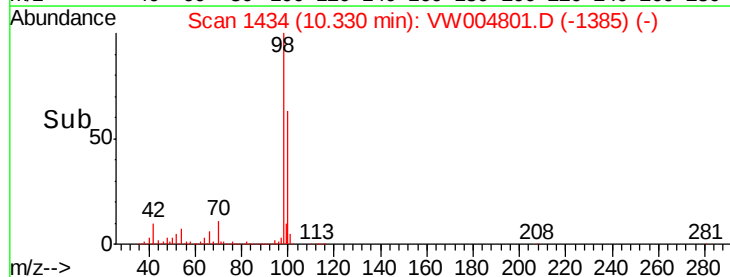
98 100

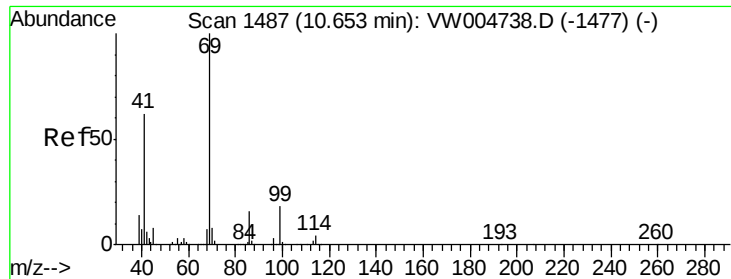
100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.989 ug/l

RT: 10.77 min Scan# 1507

Delta R.T. 0.12 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)

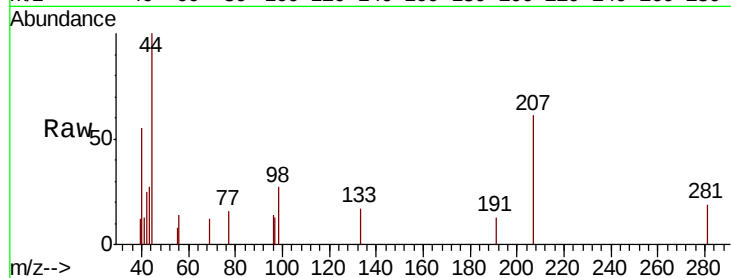
Tgt Ion: 69 Resp: 52

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

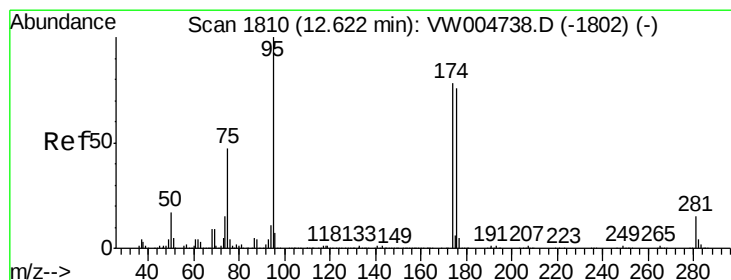
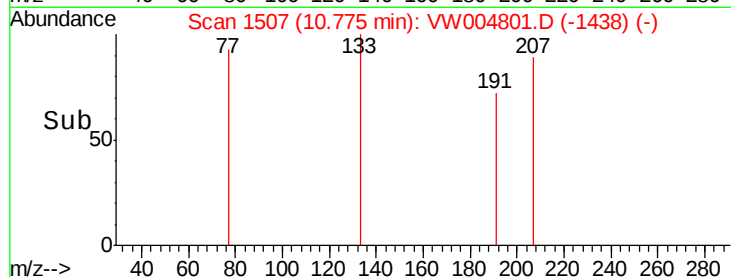
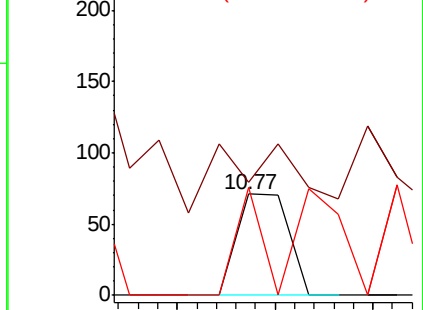
39 53.8 21.4 32.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 36.431 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004801.D

Acq: 20 Aug 2018 19:36

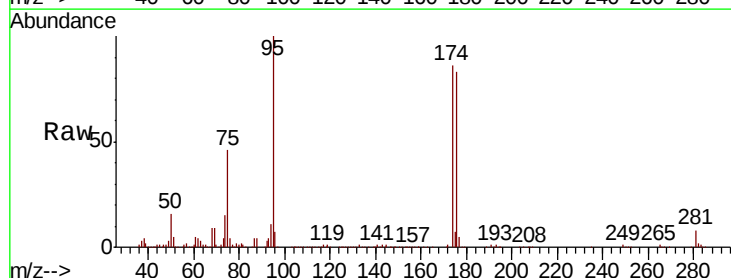
Tgt Ion: 95 Resp: 283048

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

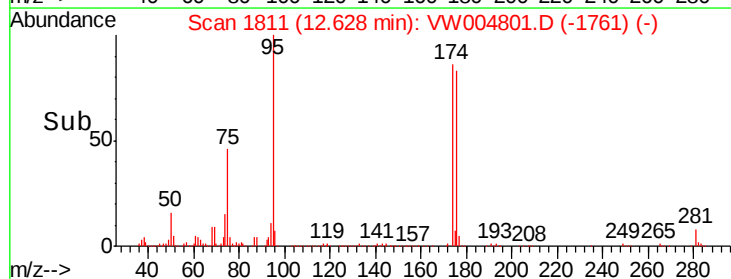
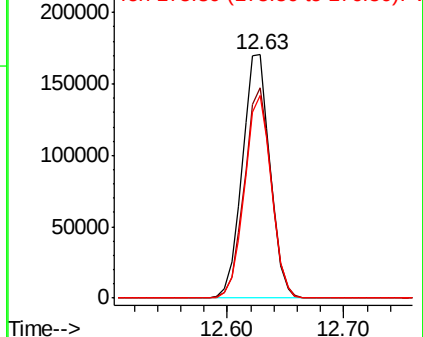
176 80.9 0.0 159.8

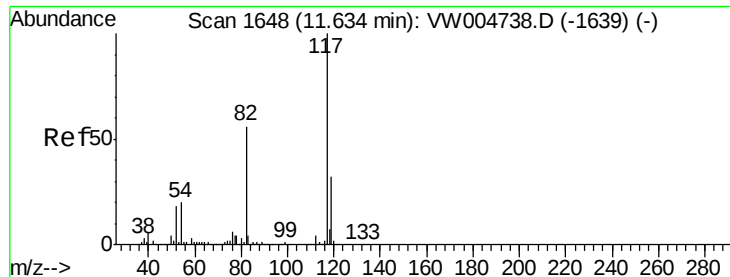


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

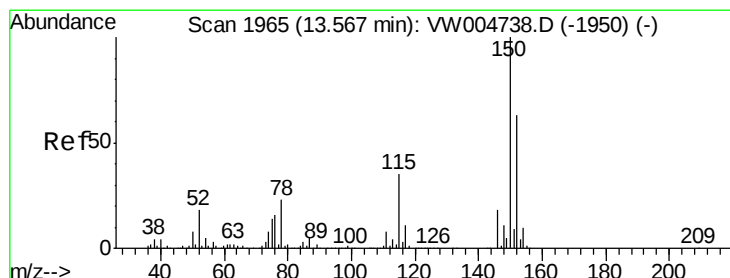
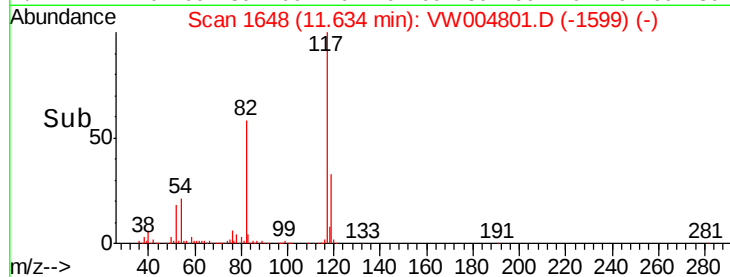
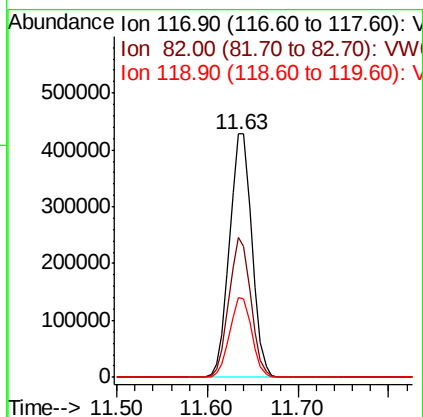
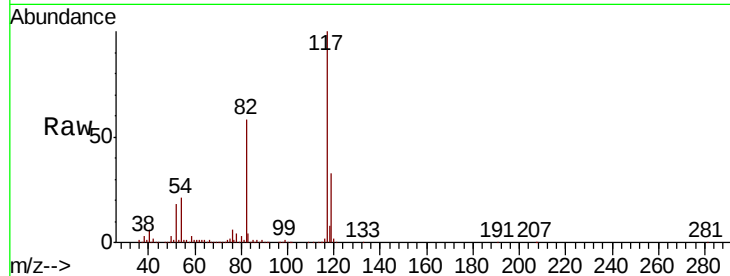




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

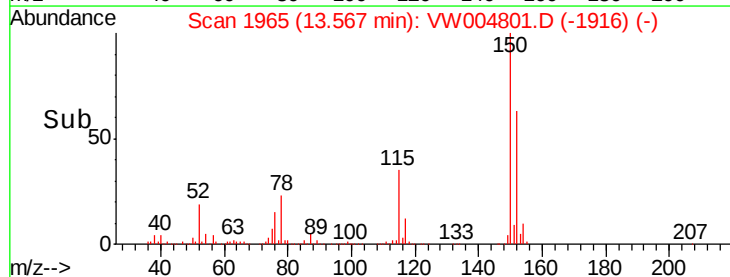
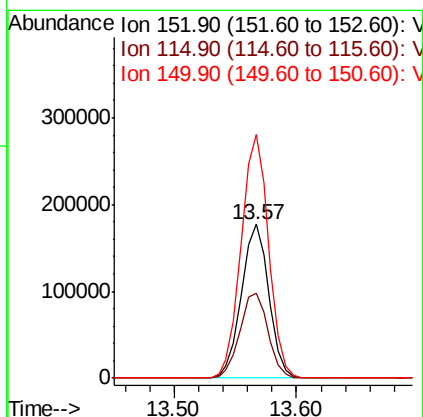
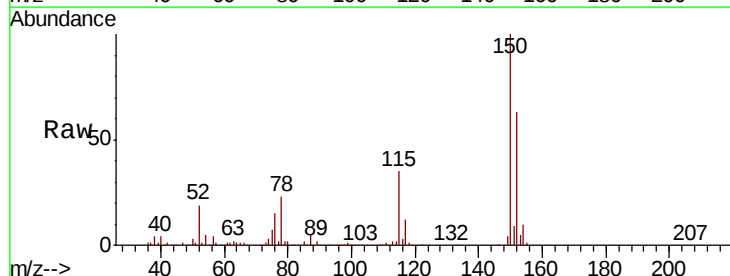
Instrument :
MSVOA_W
ClientSampled :
LSB-05(0-1)

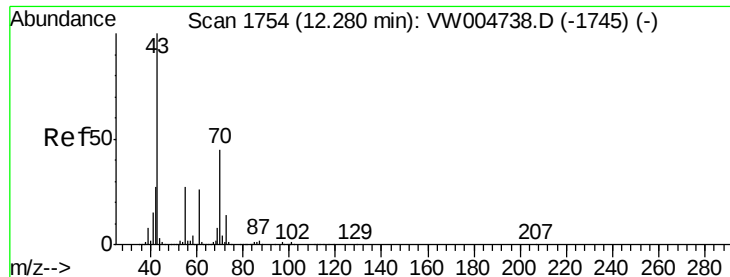
Tgt Ion:117 Resp: 735381
Ion Ratio Lower Upper
117 100
82 57.5 44.6 67.0
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Tgt Ion:152 Resp: 276115
Ion Ratio Lower Upper
152 100
115 56.4 28.5 85.5
150 157.7 0.0 344.8

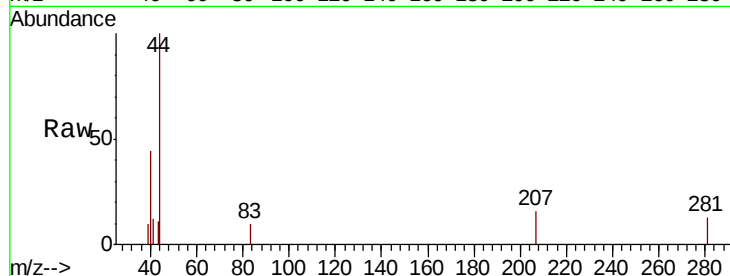




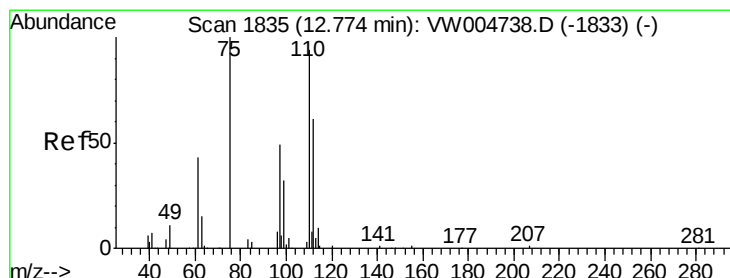
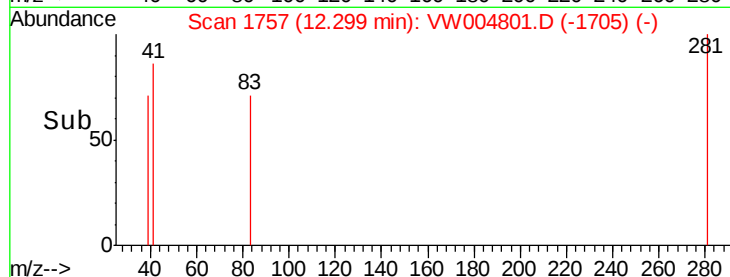
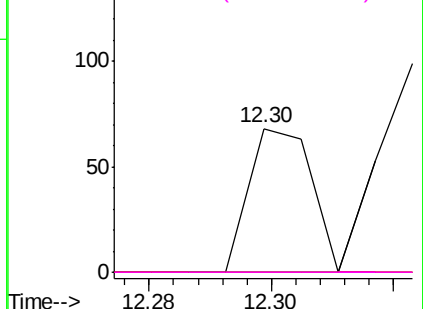
#74
N-ethyl acetate
Concen: 4.029 ug/l
RT: 12.30 min Scan# 1757
Delta R.T. 0.02 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Instrument :
MSVOA_W
ClientSampled :
LSB-05(0-1)

Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
70 0.0 36.3 54.5#
55 0.0 22.6 33.8#
61 0.0 20.2 30.4#

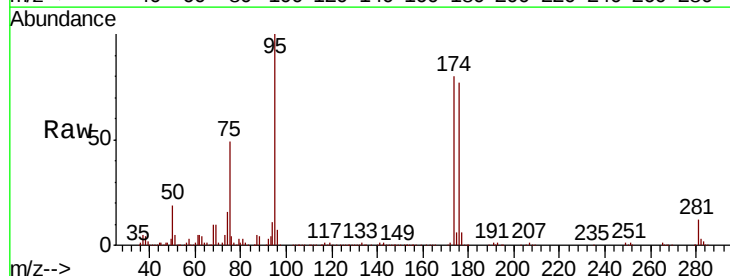


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

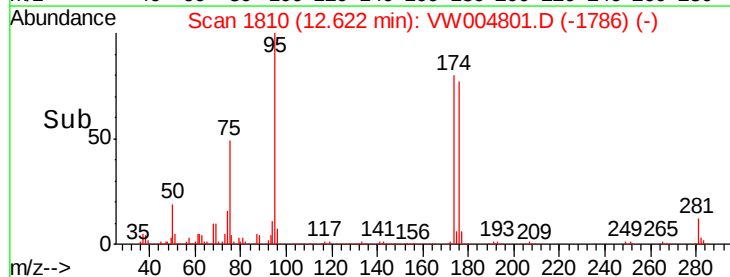
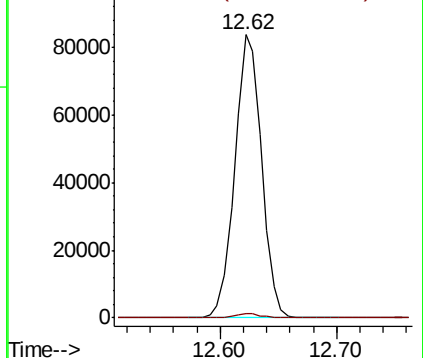


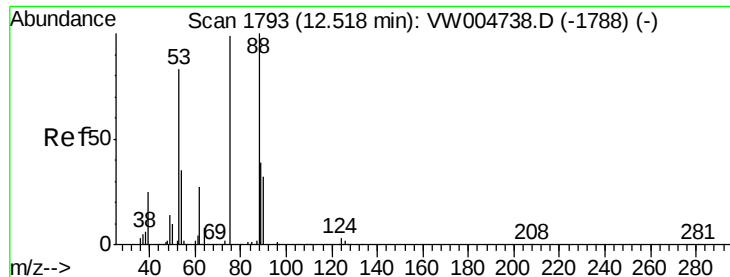
#76
1,2,3-Trichloropropane
Concen: 54.952 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Tgt Ion: 75 Resp: 133753
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

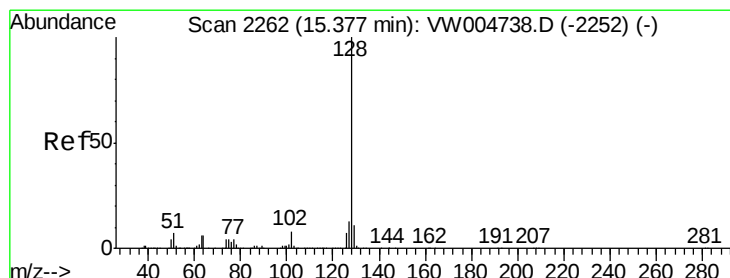
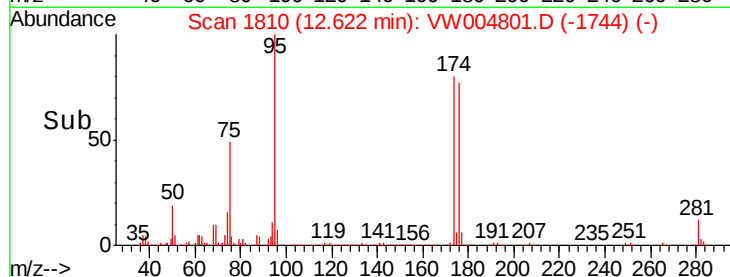
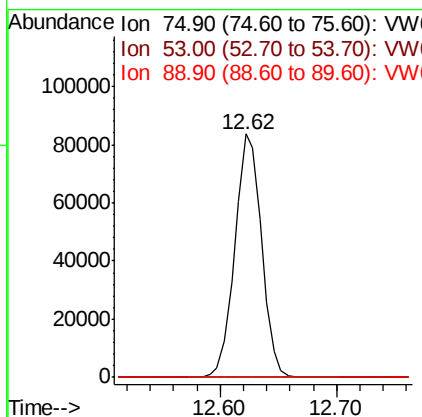
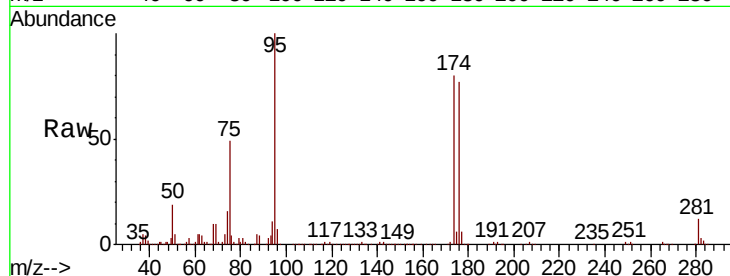




#81
trans-1,4-Dichloro-2-butene
Concen: 127.722 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Instrument :
MSVOA_W
ClientSampled :
LSB-05(0-1)

Tgt Ion: 75 Resp: 133753
Ion Ratio Lower Upper
75 100
53 0.3 72.2 108.4#
89 0.1 35.2 52.8#



#95
Naphthalene
Concen: 3.566 ug/l
RT: 15.37 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VW004801.D
Acq: 20 Aug 2018 19:36

Tgt Ion: 128 Resp: 709
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 2.8 8.6 13.0#

