

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004797.D
 Acq On : 20 Aug 2018 17:53
 Operator : SY/AP
 Sample : J4499-01
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-01(0-1)

Quant Time: Aug 21 00:57:07 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	630720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1026847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	897717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	373600	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	341930	56.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.14%	
35) Dibromofluoromethane	7.89	113	333544	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	10.33	98	1158241	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.42%	
62) 4-Bromofluorobenzene	12.63	95	350774	38.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.12%	

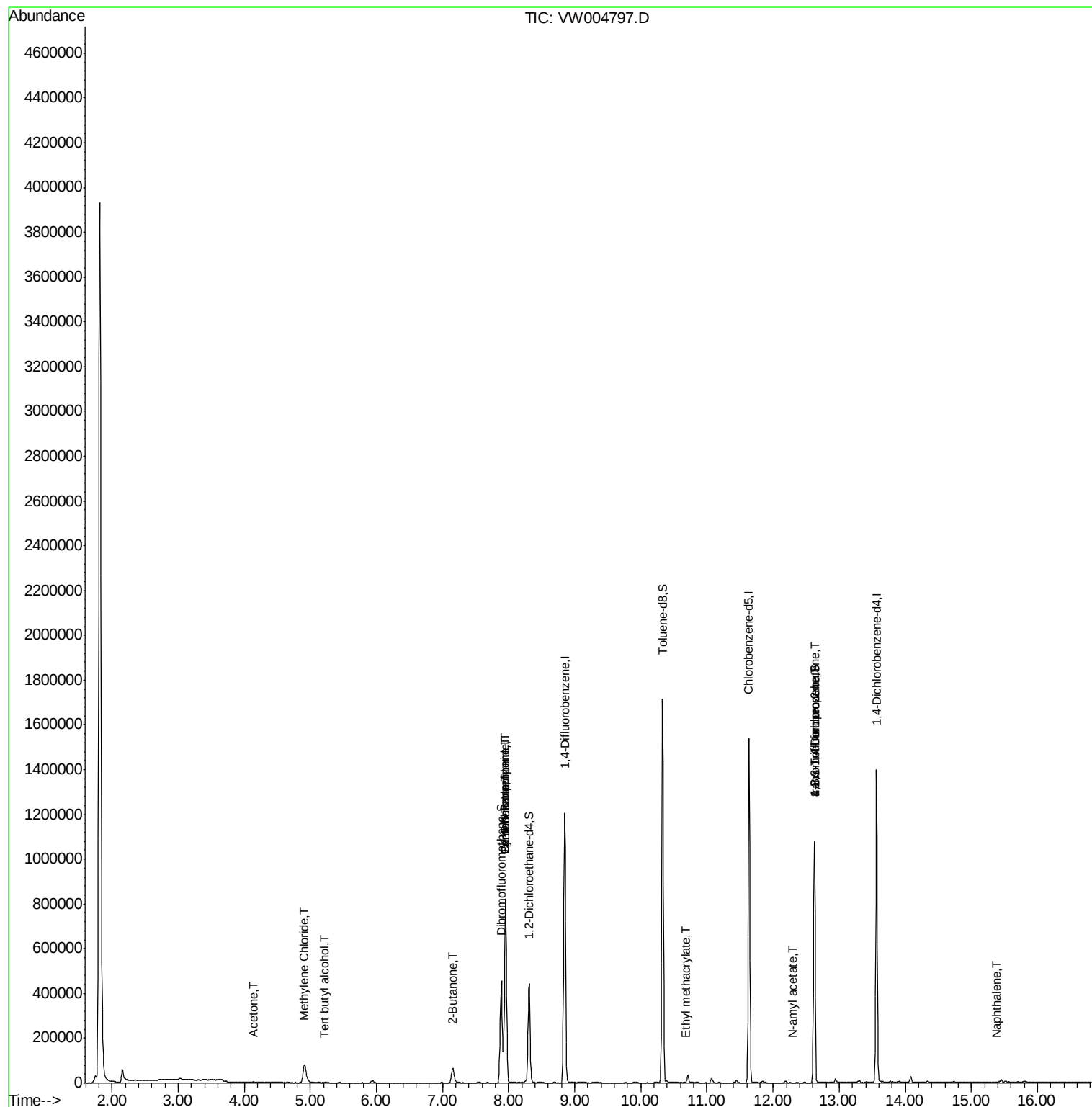
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	826	2.425	ug/l #	72
16) Acetone	4.14	43	7443	4.782	ug/l	94
20) Methylene Chloride	4.91	84	72603	6.457	ug/l	98
25) 2-Butanone	7.16	43	3482	1.570	ug/l #	75
31) Cyclohexane	7.95	56	12276	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47054	4.448	ug/l #	48
38) Carbon Tetrachloride	7.95	117	57883	5.944	ug/l #	16
56) Ethyl methacrylate	10.67	69	71	2.990	ug/l #	1
74) N-amyl acetate	12.30	43	29	4.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	166701	50.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	166701	117.648	ug/l #	14
95) Naphthalene	15.38	128	859	3.560	ug/l #	77

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

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Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LSB-01(0-1)

Quant Time: Aug 21 00:57:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
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: VW004797.D

Acq: 20 Aug 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

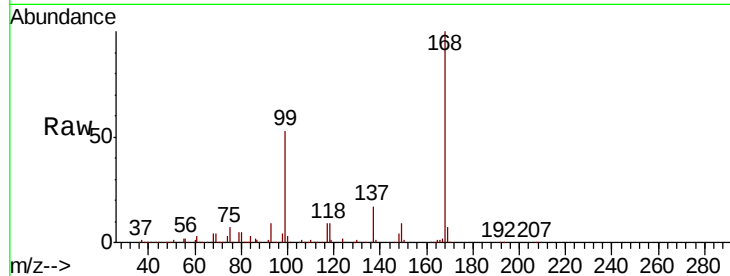
LSB-01(0-1)

Tgt Ion:168 Resp: 630720

Ion Ratio Lower Upper

168 100

99 53.4 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

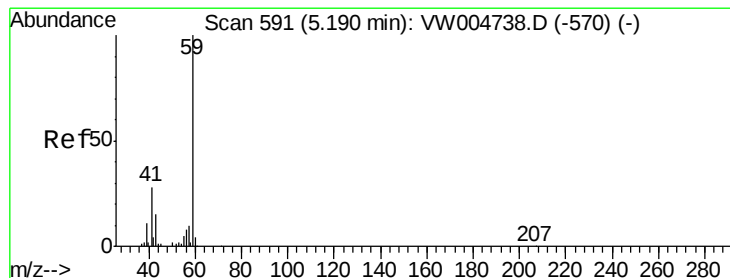
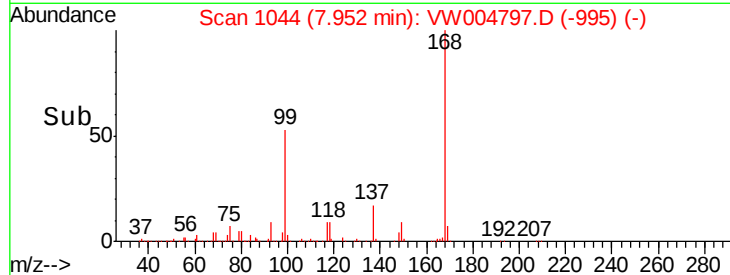
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.425 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004797.D

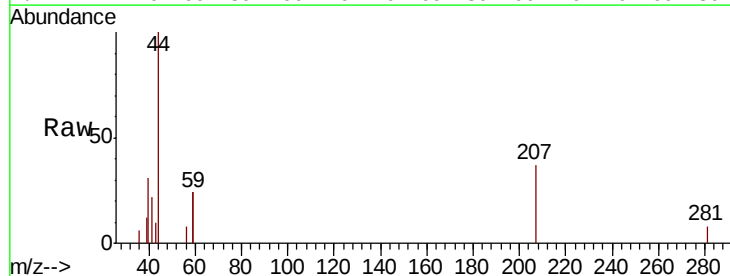
Acq: 20 Aug 2018 17:53

Tgt Ion: 59 Resp: 826

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

500

400

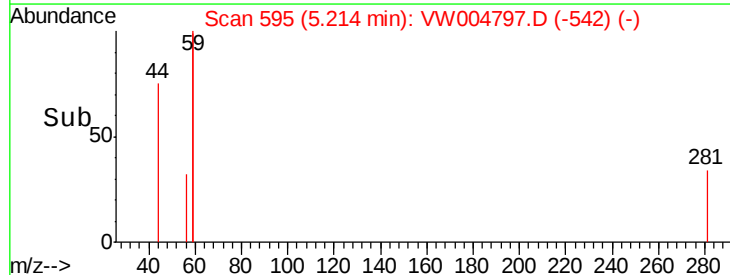
300

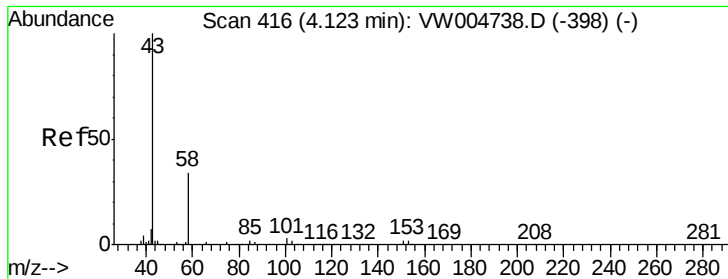
200

100

0

Time--> 5.15 5.20

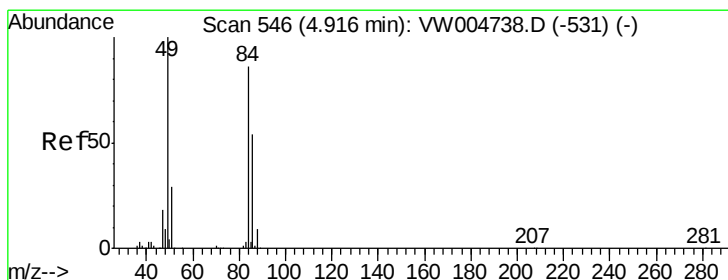
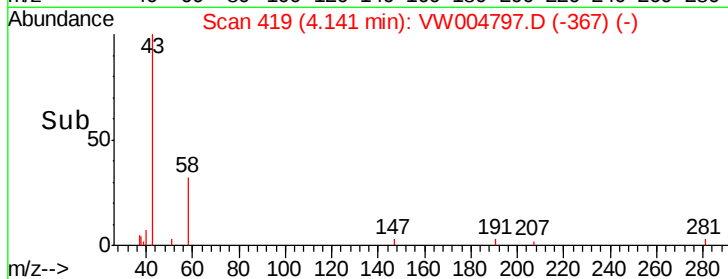
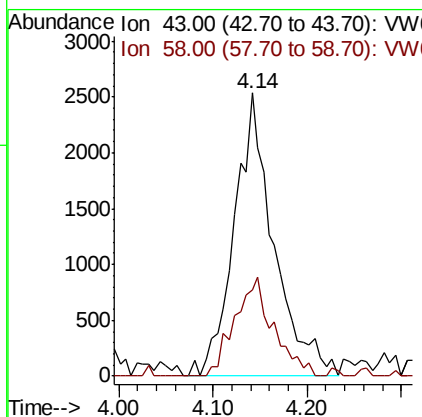
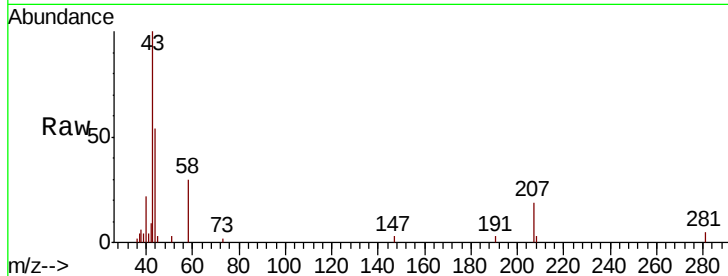




#16
Acetone
Concen: 4.782 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

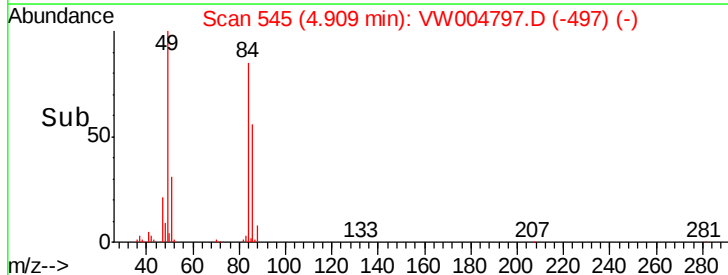
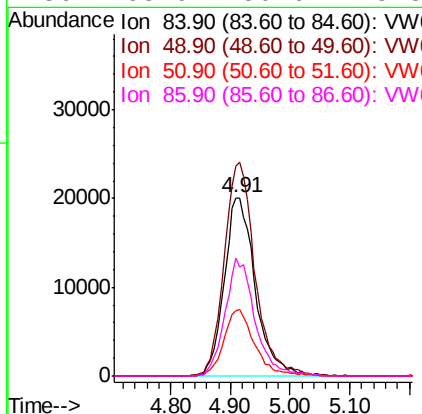
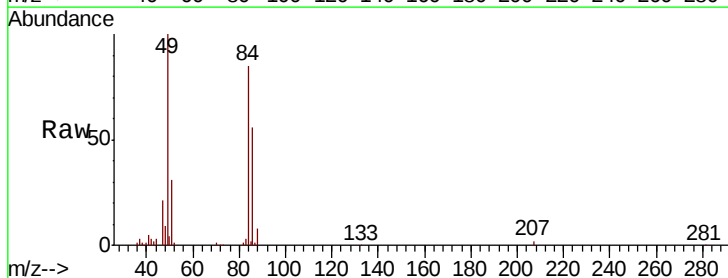
Instrument :
MSVOA_W
ClientSampleId :
LSB-01(0-1)

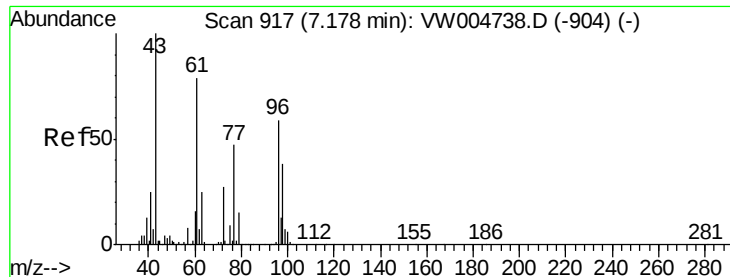
Tgt Ion: 43 Resp: 7443
Ion Ratio Lower Upper
43 100
58 30.5 27.3 40.9



#20
Methylene Chloride
Concen: 6.457 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

Tgt Ion: 84 Resp: 72603
Ion Ratio Lower Upper
84 100
49 118.0 93.2 139.8
51 36.5 27.4 41.0
86 65.9 50.6 75.8

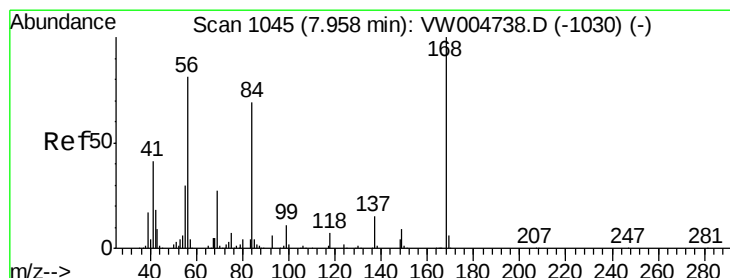
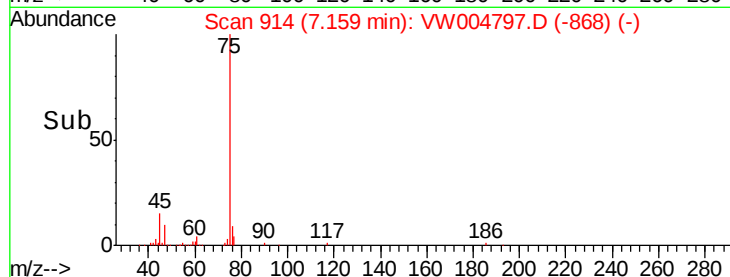
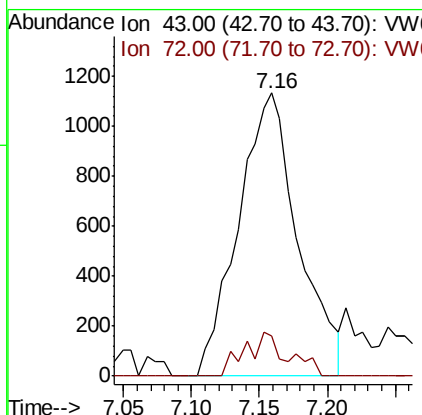
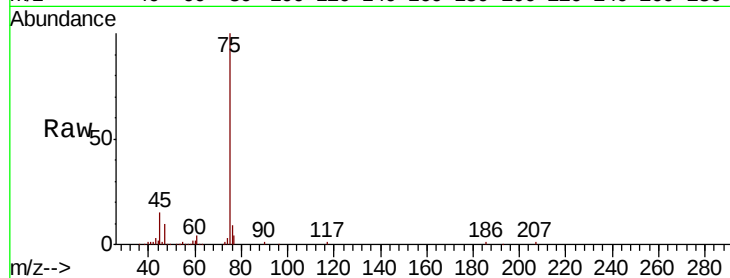




#25
 2-Butanone
 Concen: 1.570 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VW004797.D
 Acq: 20 Aug 2018 17:53

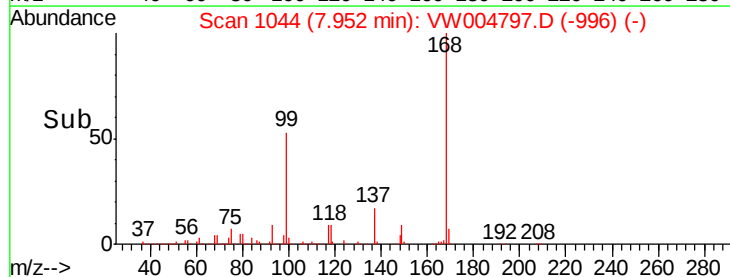
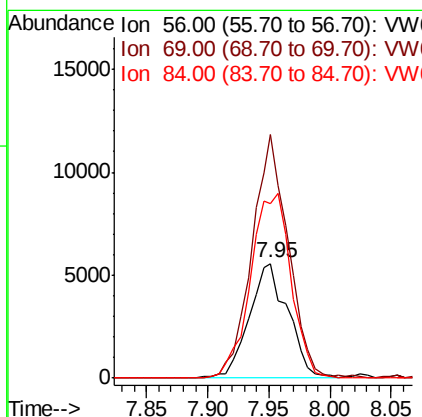
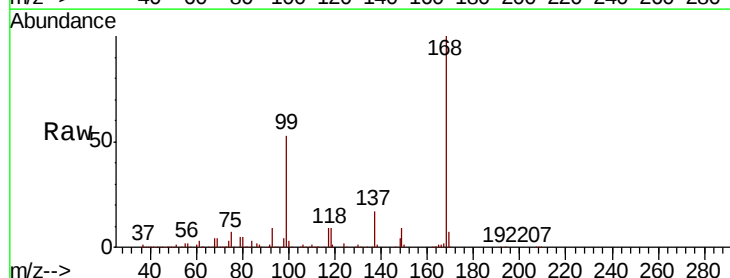
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-01(0-1)

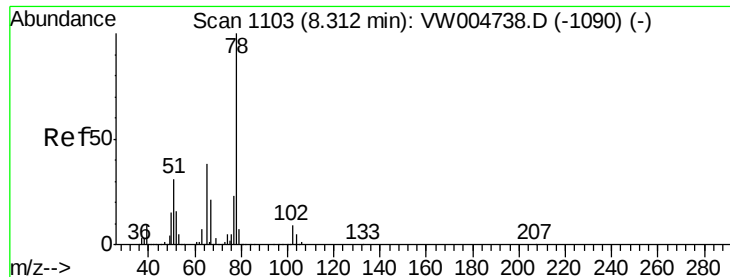
Tgt Ion: 43 Resp: 3482
 Ion Ratio Lower Upper
 43 100
 72 14.3 22.0 33.0#



#31
 Cyclohexane
 Concen: 1.030 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW004797.D
 Acq: 20 Aug 2018 17:53

Tgt Ion: 56 Resp: 12276
 Ion Ratio Lower Upper
 56 100
 69 211.8 27.1 40.7#
 84 151.4 68.3 102.5#

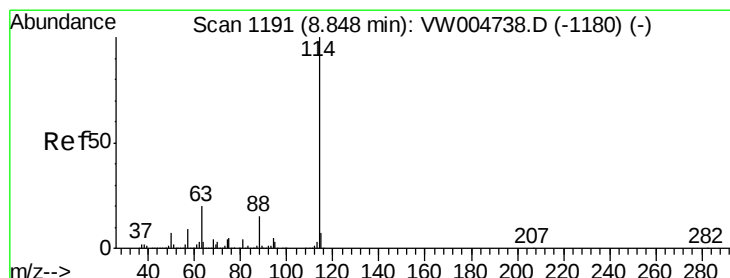
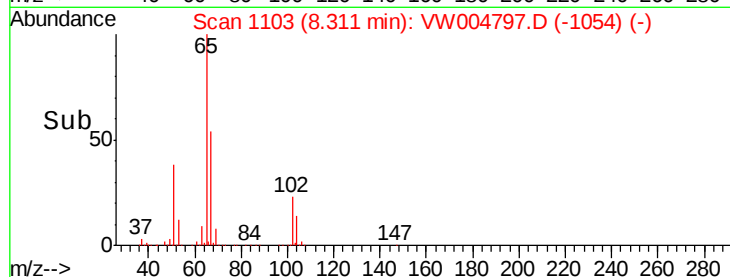
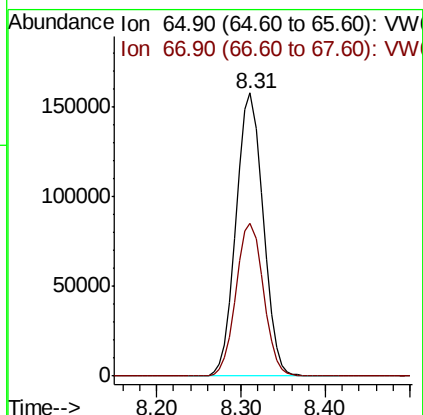
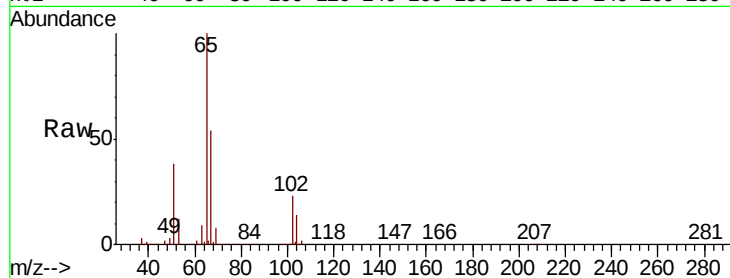




#33
 1,2-Dichloroethane-d4
 Concen: 56.074 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004797.D
 Acq: 20 Aug 2018 17:53

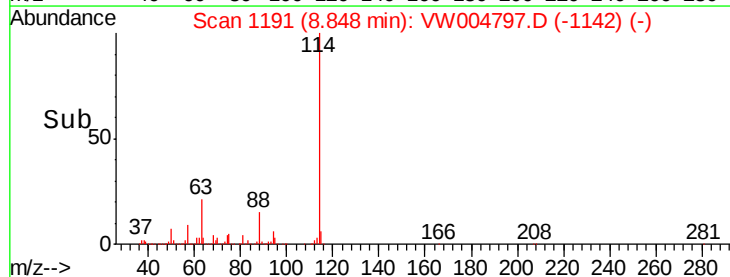
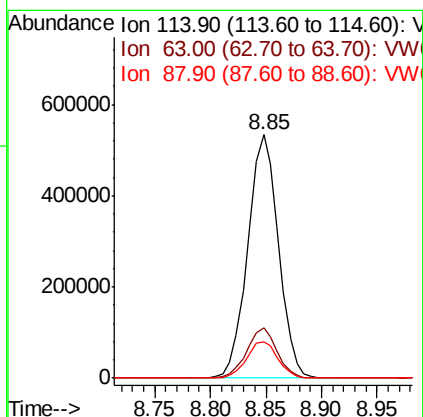
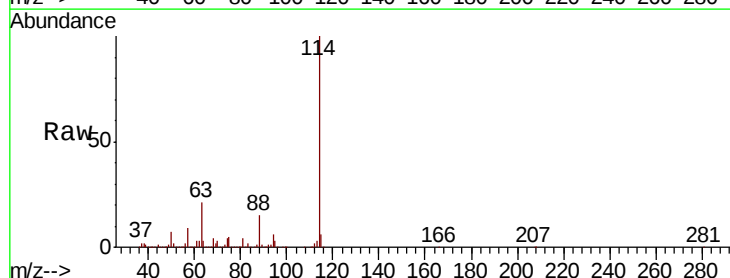
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-01(0-1)

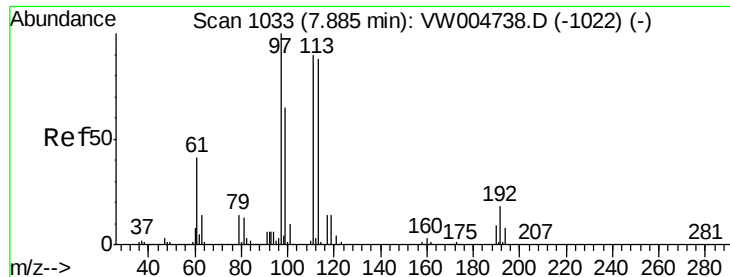
Tgt Ion: 65 Resp: 341930
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004797.D
 Acq: 20 Aug 2018 17:53

Tgt Ion: 114 Resp: 1026847
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.822 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-01(0-1)

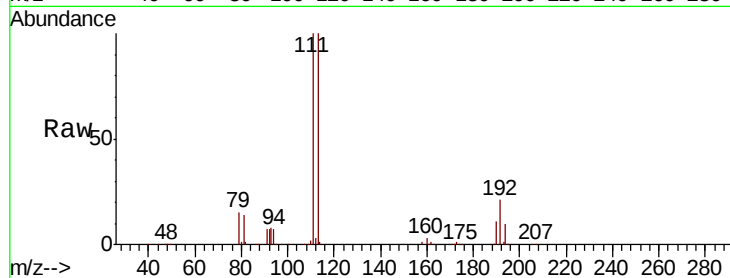
Tgt Ion:113 Resp: 333544

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

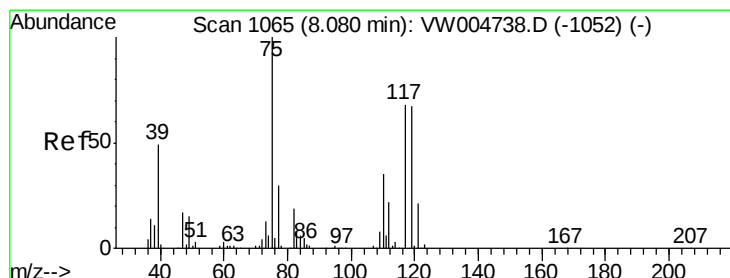
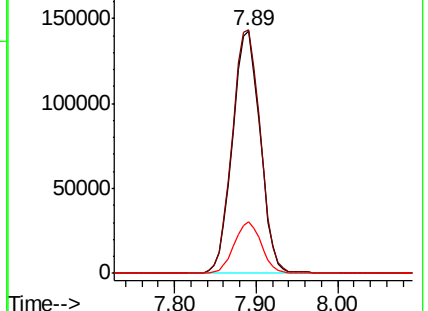
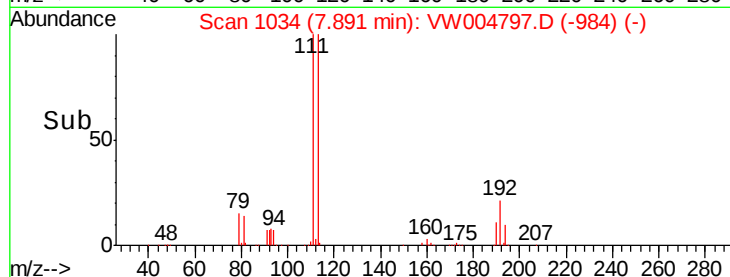
192 21.0 16.7 25.1



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: 4.448 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

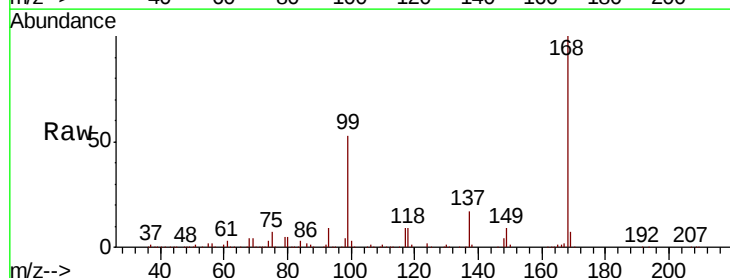
Tgt Ion: 75 Resp: 47054

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

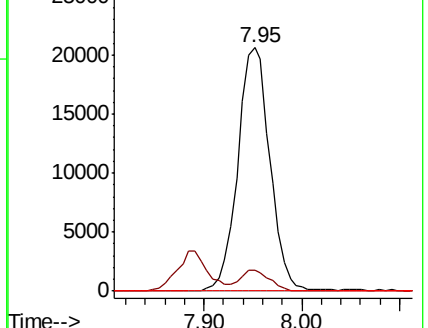
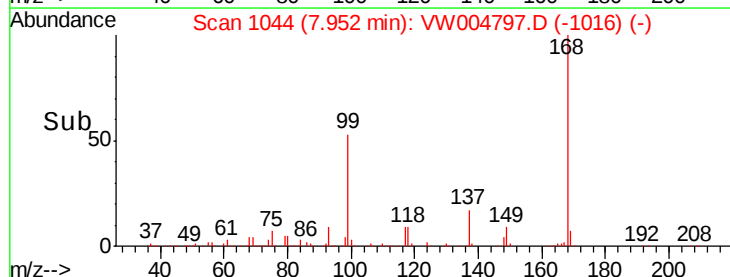
77 0.1 24.9 37.3#

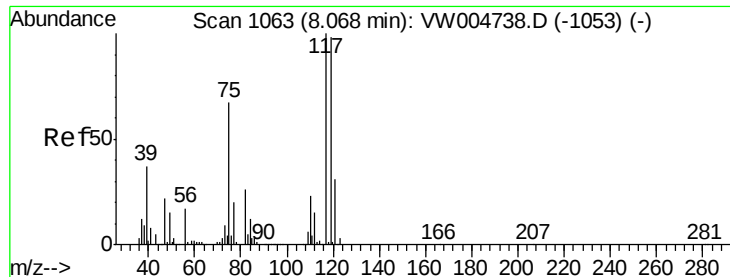


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

Instrument :

MSVOA_W

ClientSampled :

LSB-01(0-1)

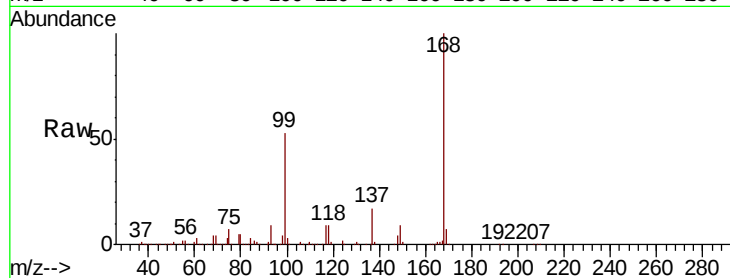
Tgt Ion:117 Resp: 57883

Ion Ratio Lower Upper

117 100

119 6.2 78.0 117.0#

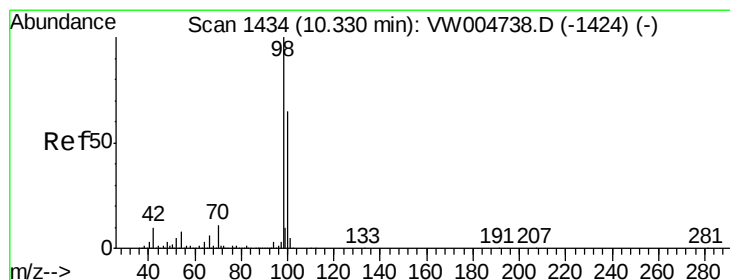
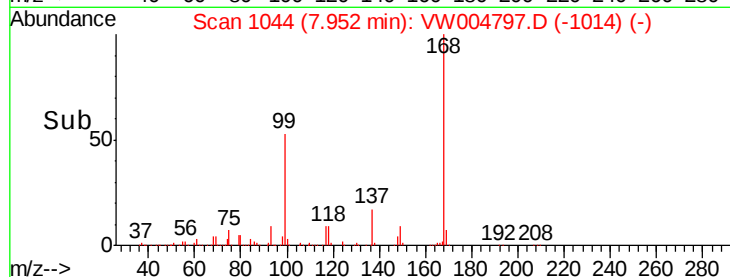
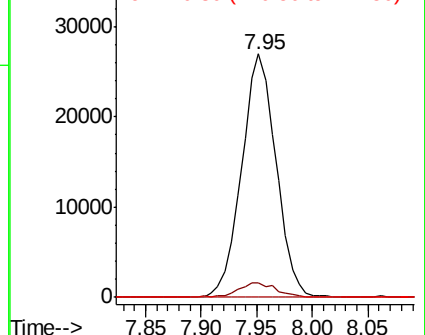
121 0.0 24.8 37.2#



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: 45.210 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004797.D

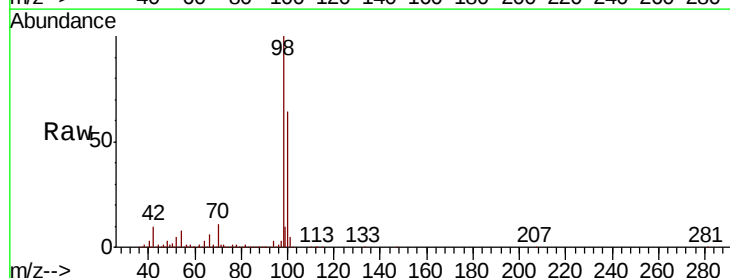
Acq: 20 Aug 2018 17:53

Tgt Ion: 98 Resp: 1158241

Ion Ratio Lower Upper

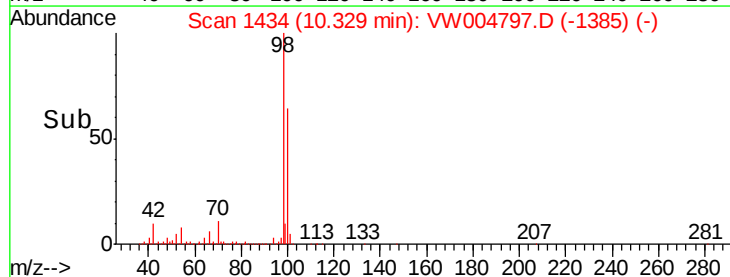
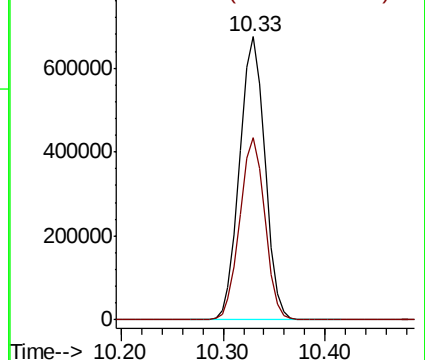
98 100

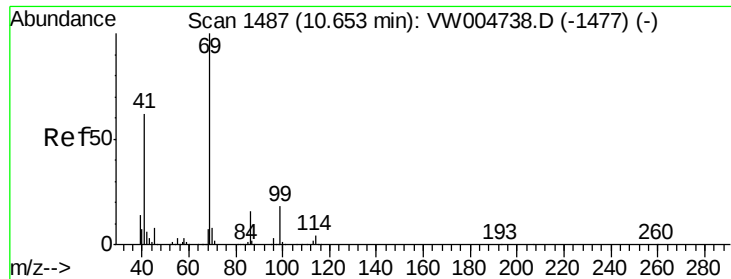
100 63.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.990 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-01(0-1)

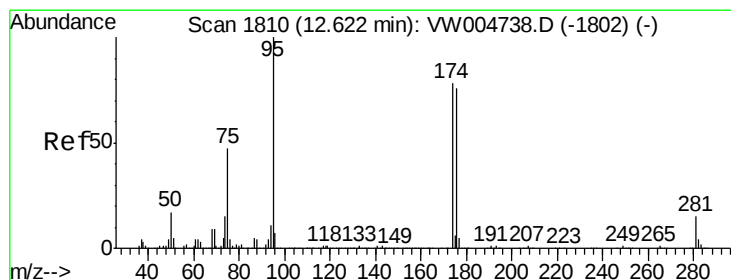
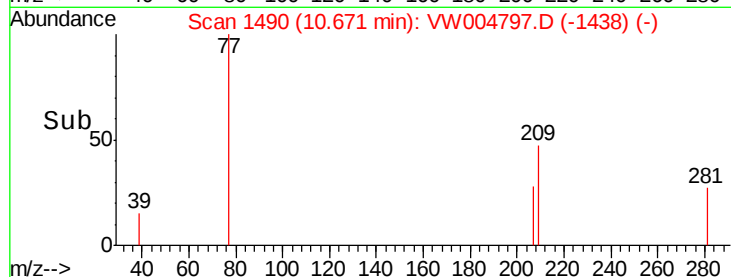
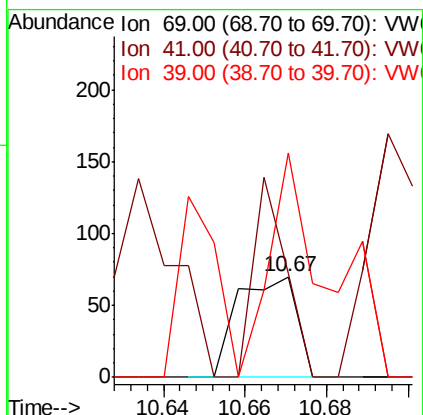
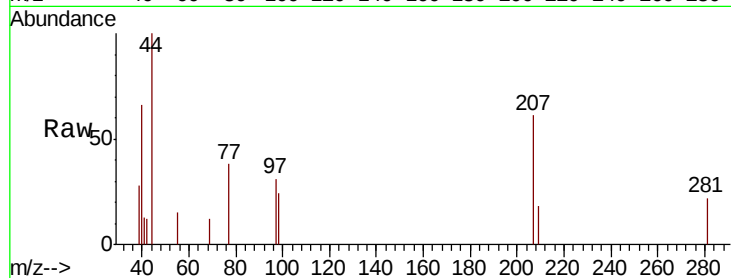
Tgt Ion: 69 Resp: 71

Ion Ratio Lower Upper

69 100

41 108.5 50.7 76.1#

39 223.9 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 38.058 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

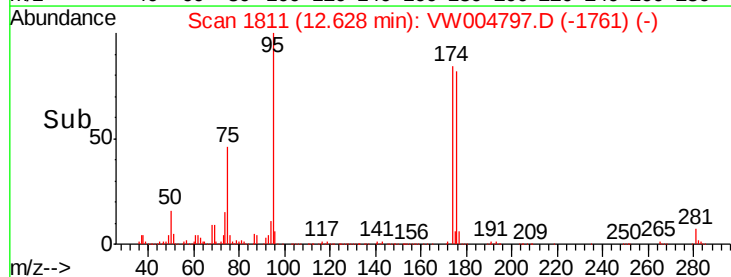
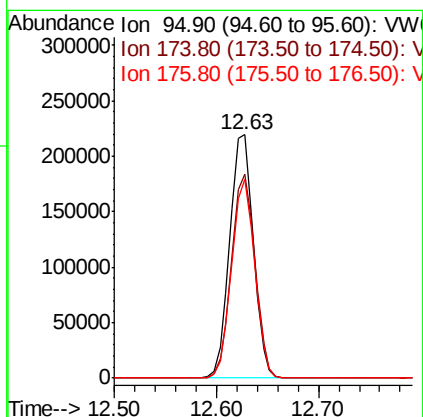
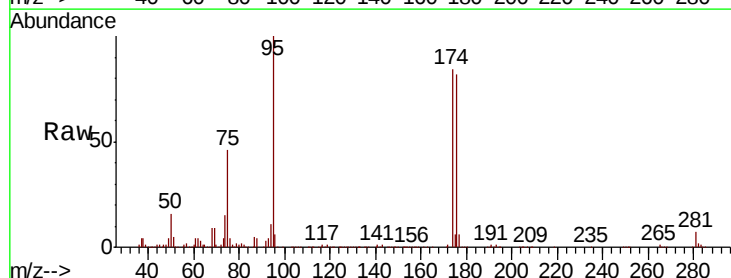
Tgt Ion: 95 Resp: 350774

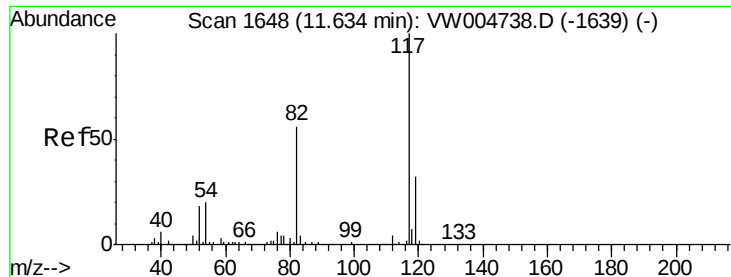
Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

176 80.0 0.0 159.8

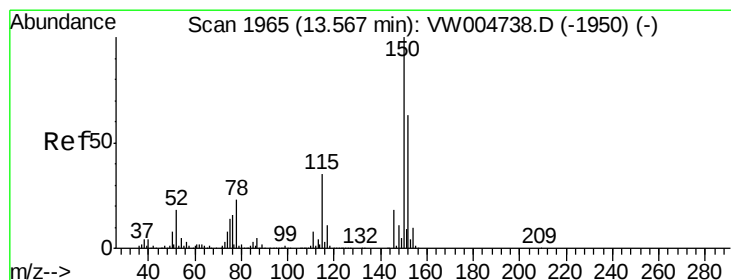
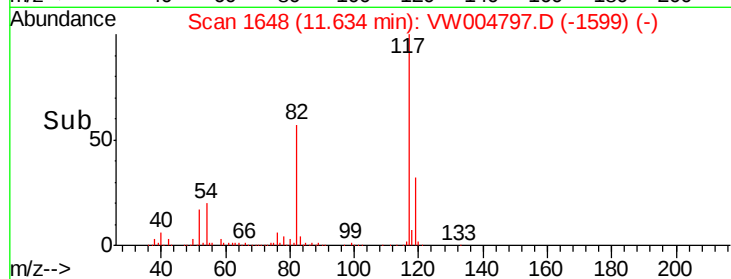
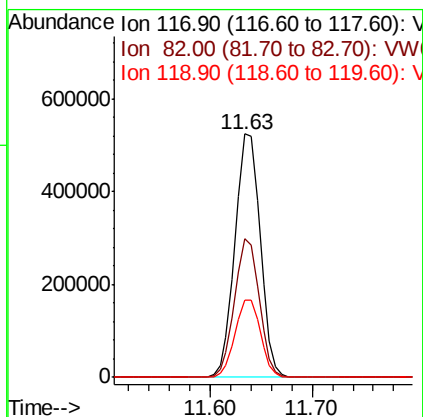
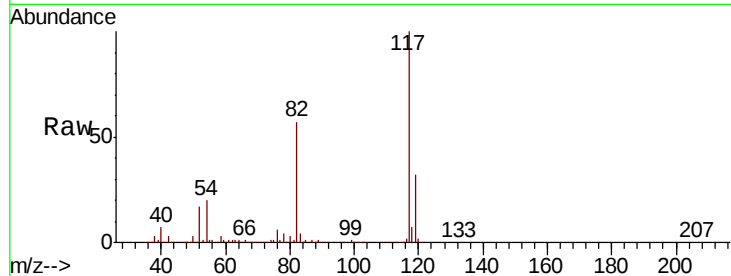




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

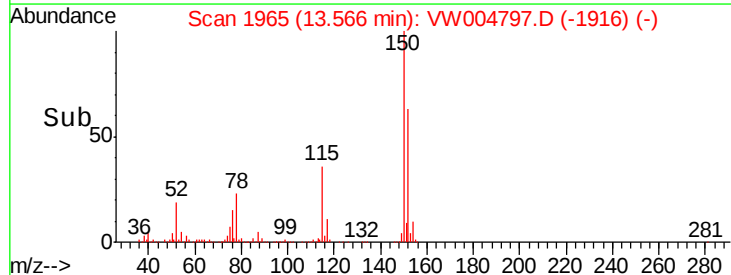
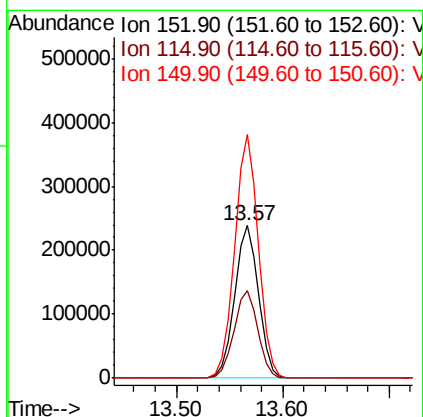
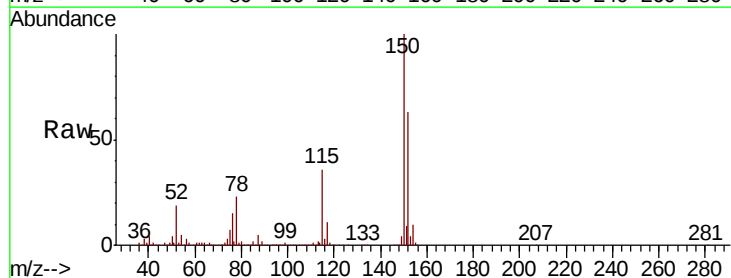
Instrument :
MSVOA_W
ClientSampleId :
LSB-01(0-1)

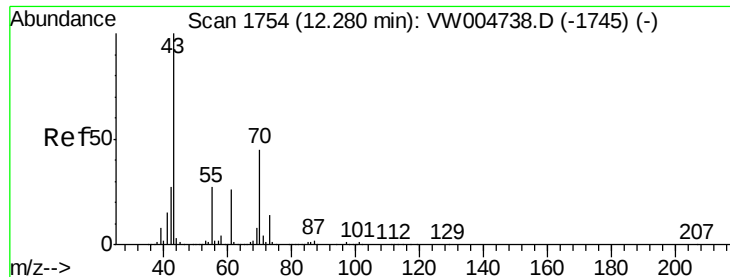
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	67.0
119	31.7	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.5	85.5
150	158.7	0.0	344.8

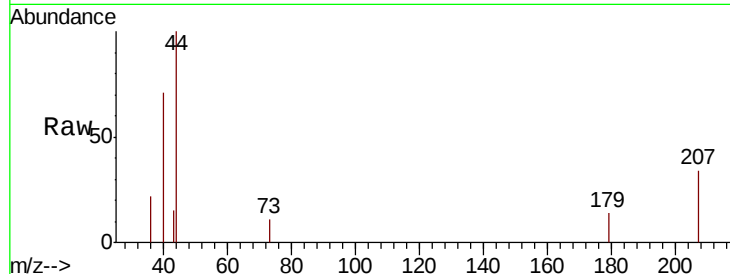




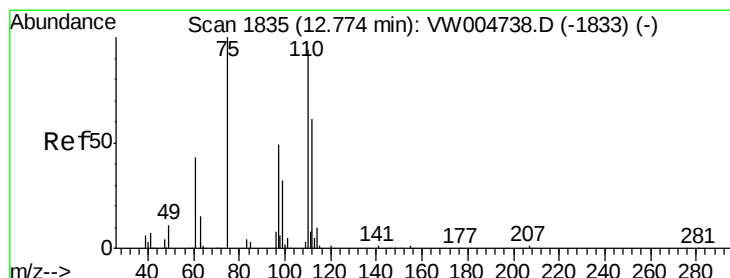
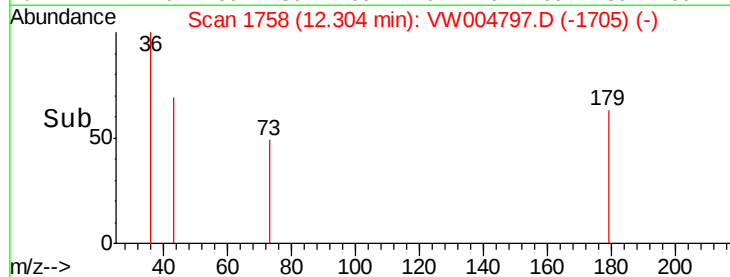
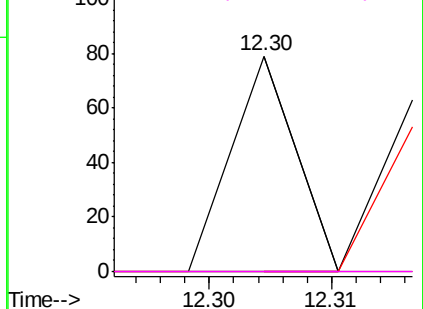
#74
N-ethyl acetate
Concen: 4.024 ug/l
RT: 12.30 min Scan# 1758
Delta R.T. 0.02 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-01(0-1)

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
70 0.0 36.3 54.5#
55 203.4 22.6 33.8#
61 0.0 20.2 30.4#

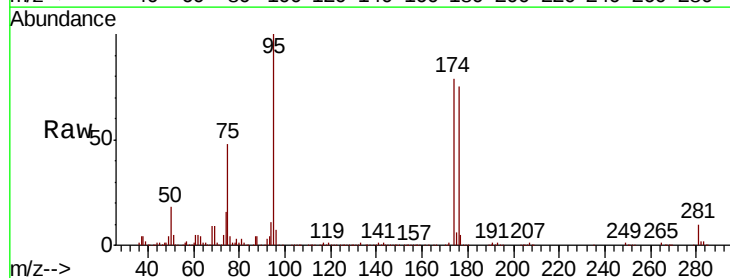


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

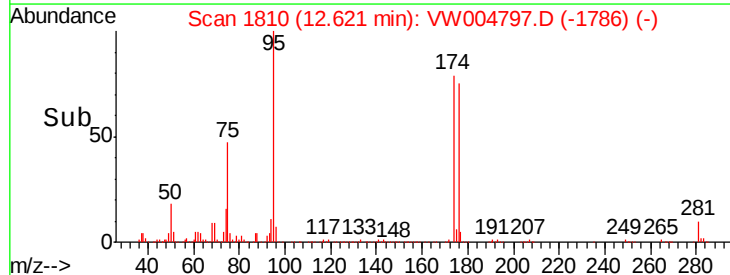
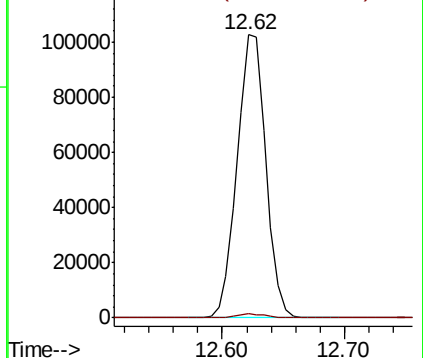


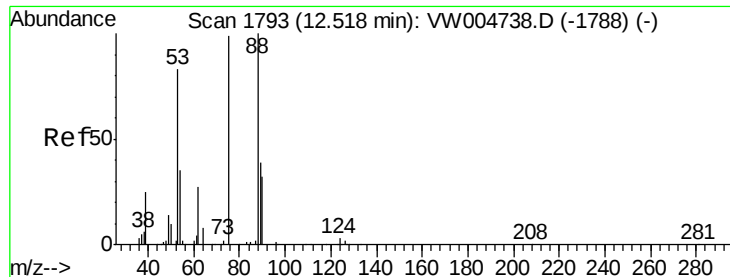
#76
1,2,3-Trichloropropane
Concen: 50.617 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004797.D
Acq: 20 Aug 2018 17:53

Tgt Ion: 75 Resp: 166701
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: 117.648 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-01(0-1)

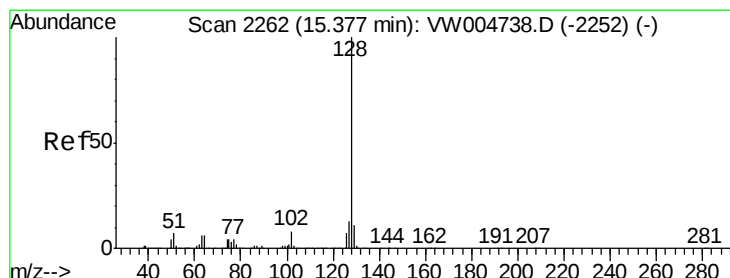
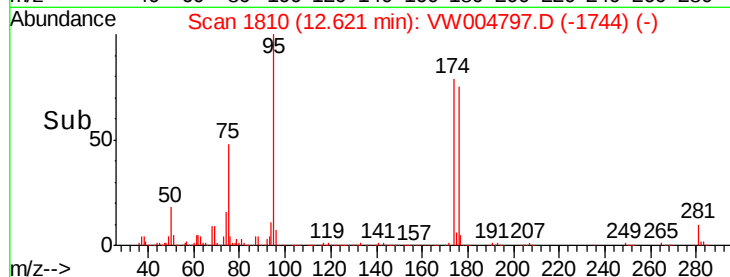
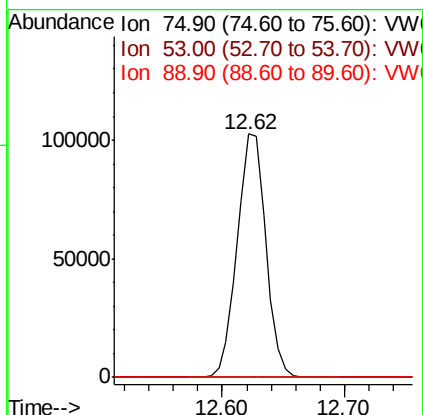
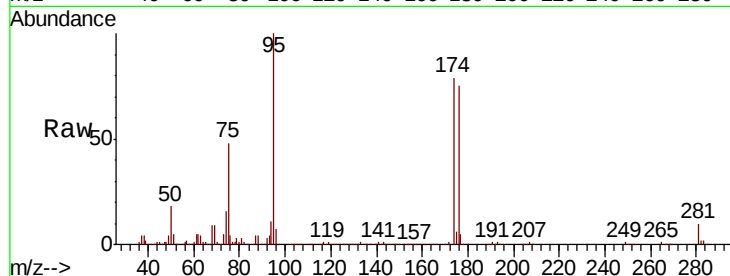
Tgt Ion: 75 Resp: 166701

Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

89 0.1 35.2 52.8#



#95

Naphthalene

Concen: 3.560 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004797.D

Acq: 20 Aug 2018 17:53

Tgt Ion: 128 Resp: 859

Ion Ratio Lower Upper

128 100

127 2.7 10.4 15.6#

129 3.1 8.6 13.0#

