

Data File : VW004847.D
Acq On : 21 Aug 2018 17:45
Operator : SY/AP
Sample : J4499-02RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LSB-02(0-1)RE

Quant Time: Aug 22 05:19:32 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	127372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38329	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	86459	70.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.42%	
35) Dibromofluoromethane	7.89	113	73103	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
50) Toluene-d8	10.33	98	190705	39.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.84%	
62) 4-Bromofluorobenzene	12.62	95	45979	26.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.84%	

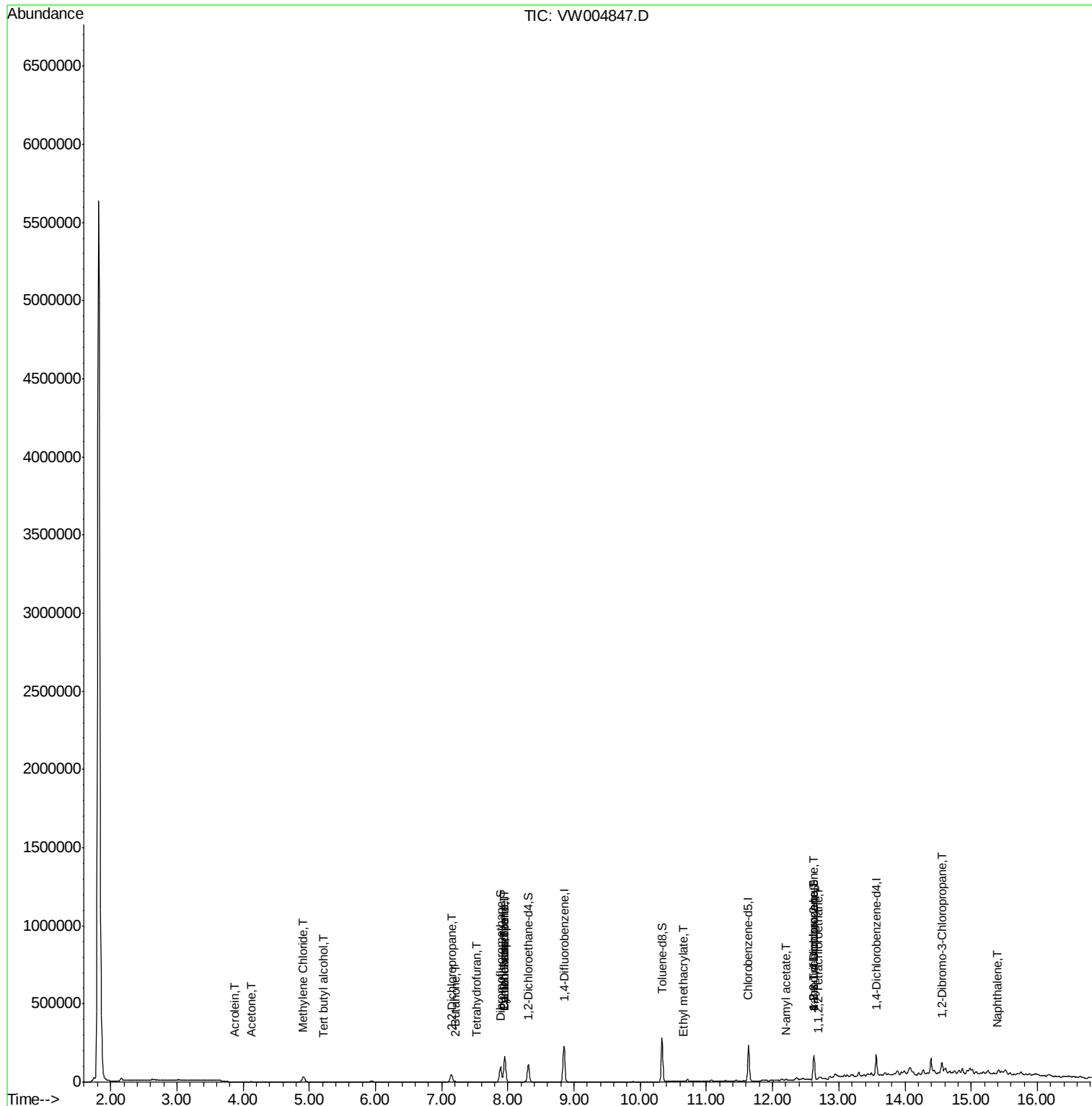
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.21	59	71	1.032	ug/l #	72
13) Acrolein	3.89	56	133	1.441	ug/l	99
16) Acetone	4.12	43	3707	11.792	ug/l #	80
20) Methylene Chloride	4.92	84	24792	14.181	ug/l	96
25) 2-Butanone	7.21	43	569	1.270	ug/l #	47
26) 2,2-Dichloropropane	7.15	77	2933	2.041	ug/l #	50
29) Tetrahydrofuran	7.54	42	376	1.646	ug/l #	66
31) Cyclohexane	7.95	56	2601	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9876	4.944	ug/l #	49
38) Carbon Tetrachloride	7.95	117	12203	6.637	ug/l #	18
56) Ethyl methacrylate	10.65	69	292	3.190	ug/l #	89
74) N-amyl acetate	12.20	43	981	5.496	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	12.69	83	1610	3.333	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	21315	63.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21315	146.626	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.55	75	152	2.013	ug/l	67
95) Naphthalene	15.38	128	618	3.871	ug/l #	1

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

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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: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

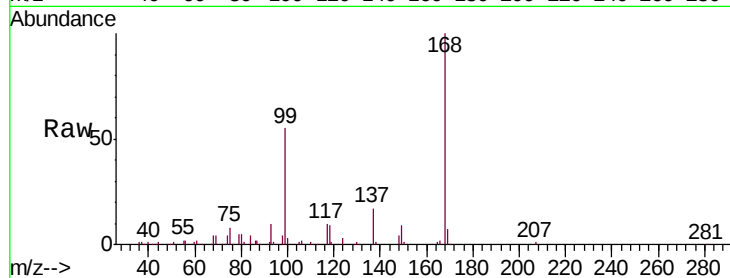
LSB-02(0-1)RE

Tgt Ion:168 Resp: 127372

Ion Ratio Lower Upper

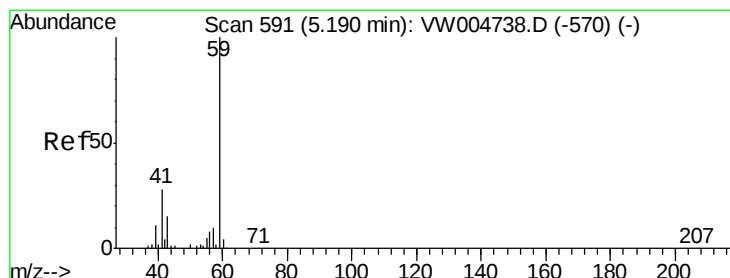
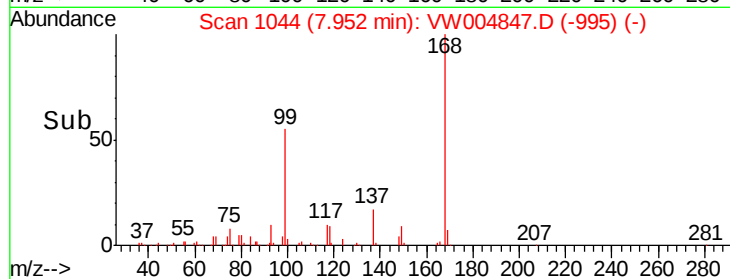
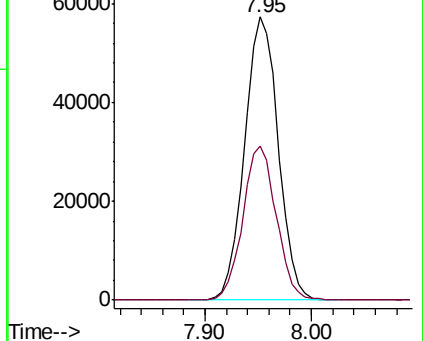
168 100

99 54.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.032 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004847.D

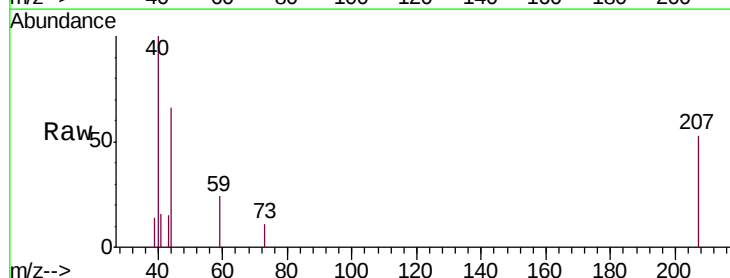
Acq: 21 Aug 2018 17:45

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

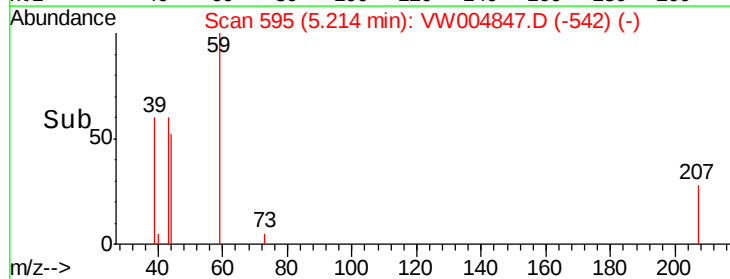
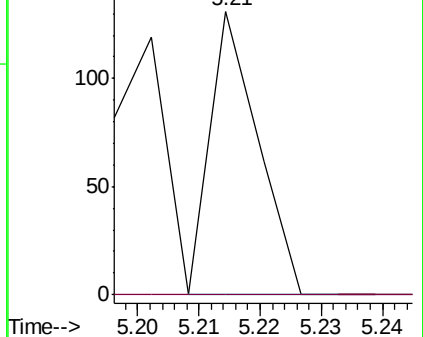
59 100

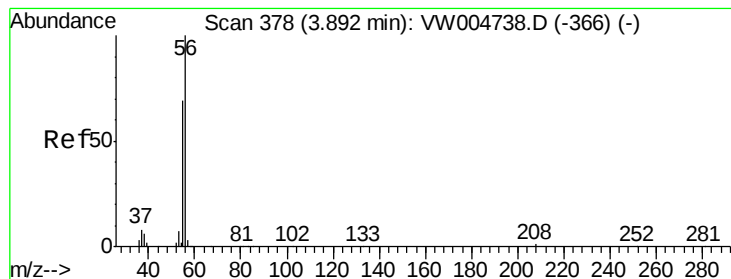
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.441 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

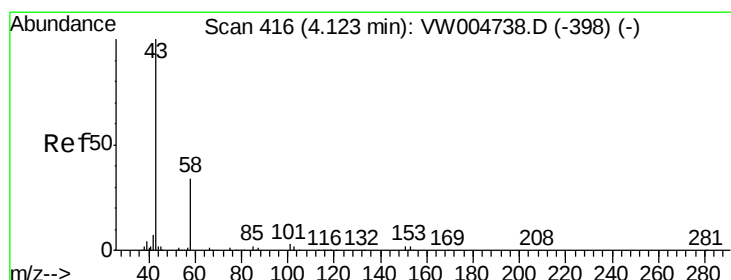
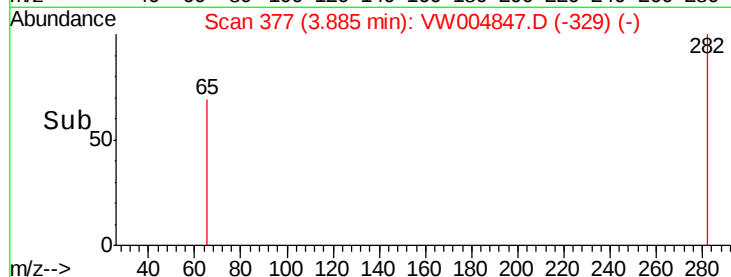
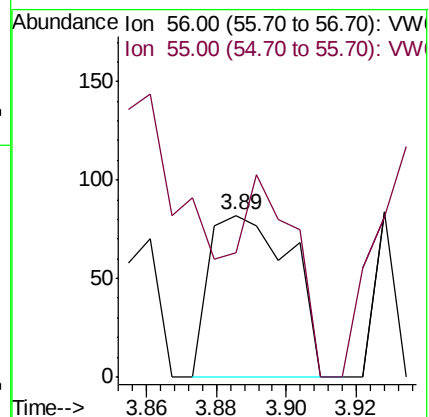
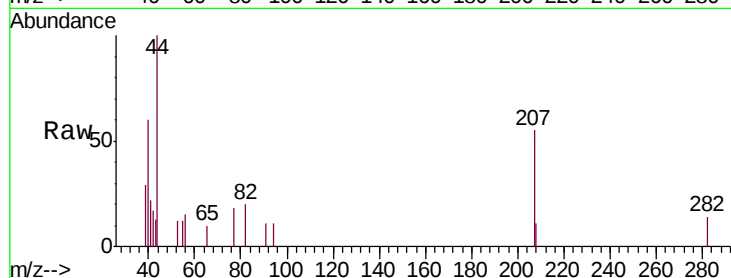
LSB-02(0-1)RE

Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 70.7 56.1 84.1



#16

Acetone

Concen: 11.792 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004847.D

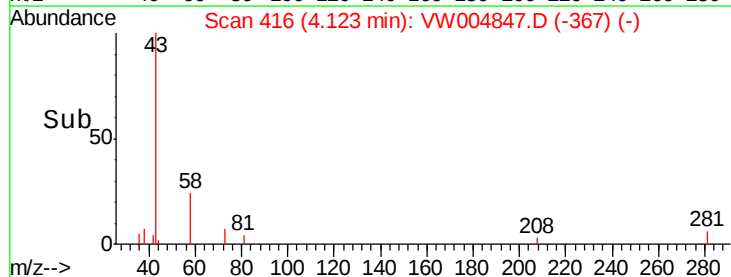
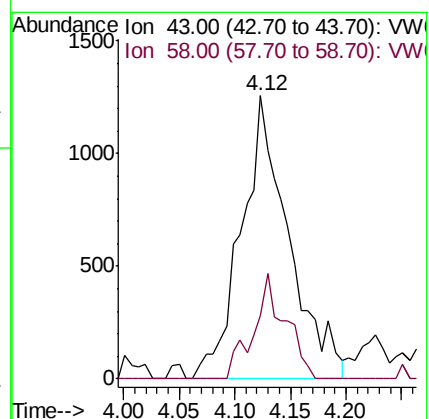
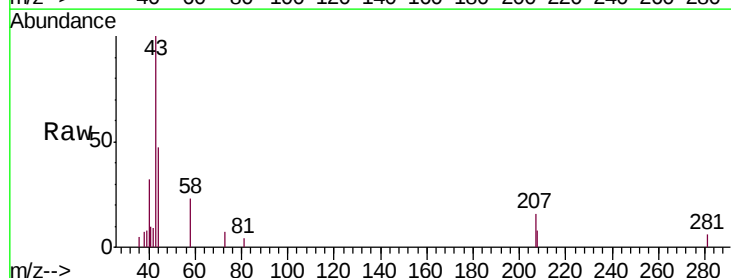
Acq: 21 Aug 2018 17:45

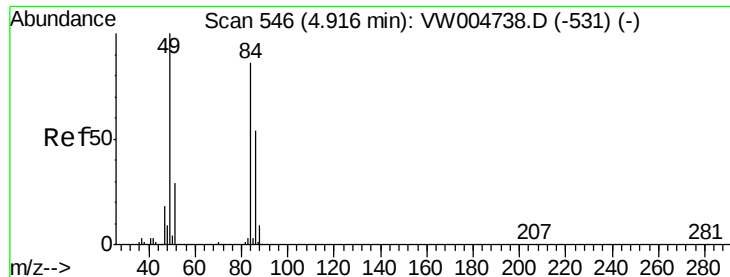
Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

58 22.5 27.3 40.9#

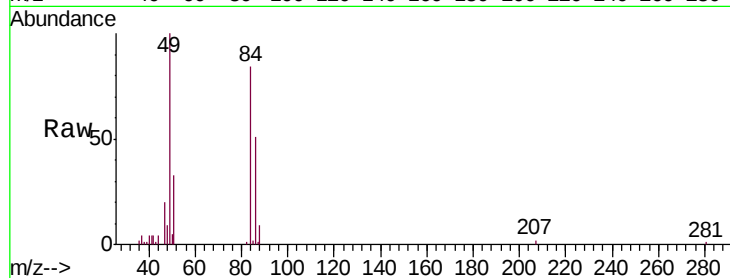




#20
Methylene Chloride
Concen: 14.181 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

Instrument :
MSVOA_W
ClientSampleId :
LSB-02(0-1)RE

Tgt Ion:	84	Resp:	24792
Ion	Ratio	Lower	Upper
84	100		
49	119.4	93.2	139.8
51	39.2	27.4	41.0
86	60.5	50.6	75.8



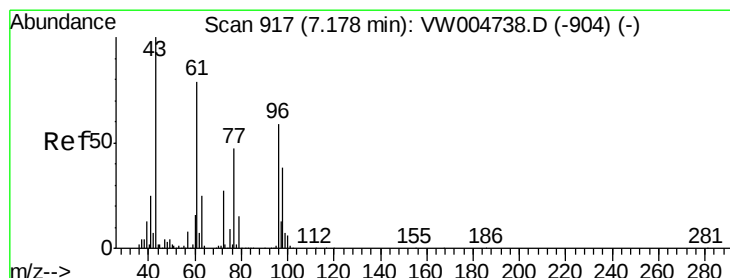
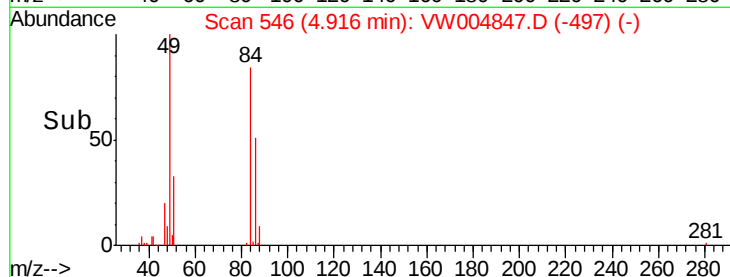
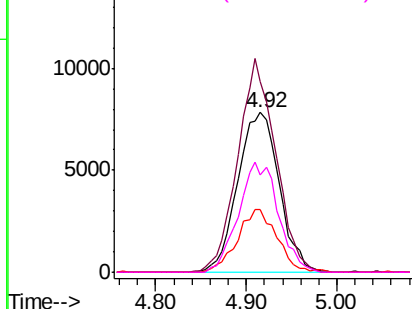
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

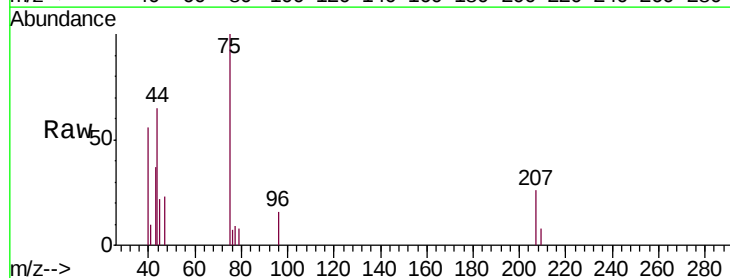
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.270 ug/l
RT: 7.21 min Scan# 922
Delta R.T. 0.03 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

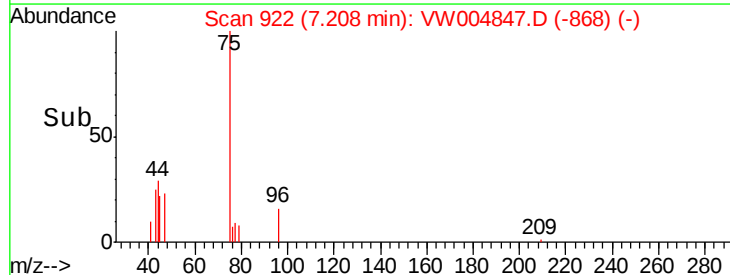
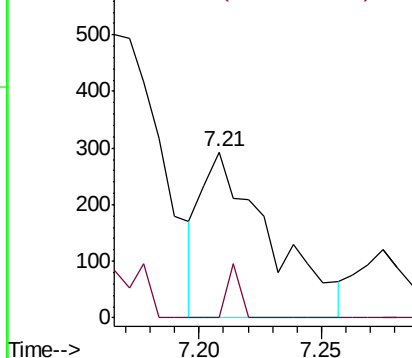
Tgt Ion:	43	Resp:	569
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#

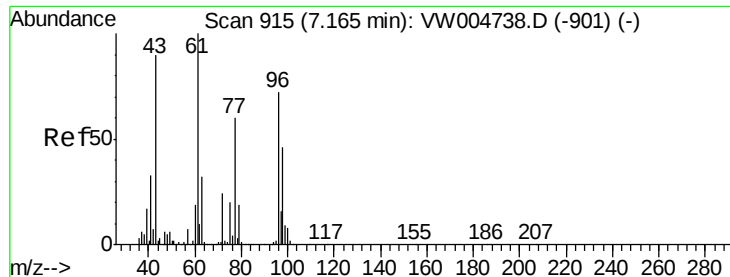


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.041 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

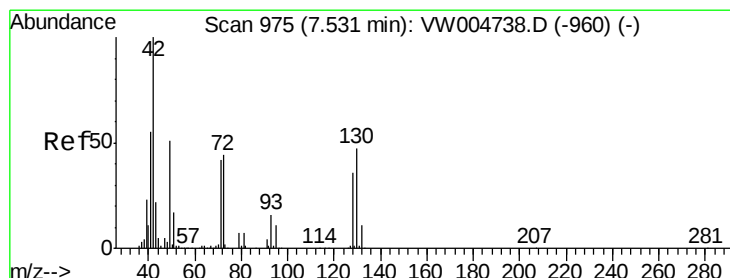
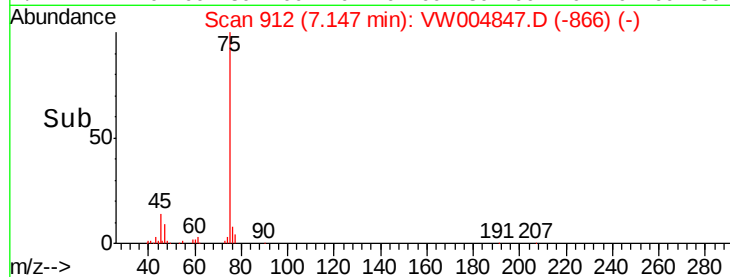
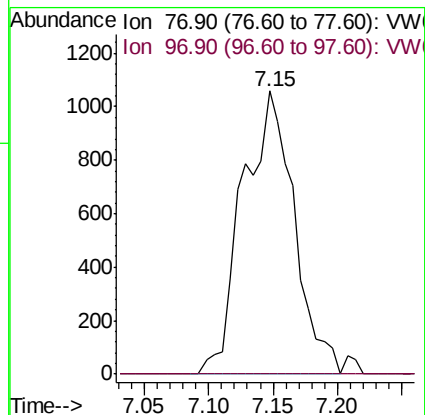
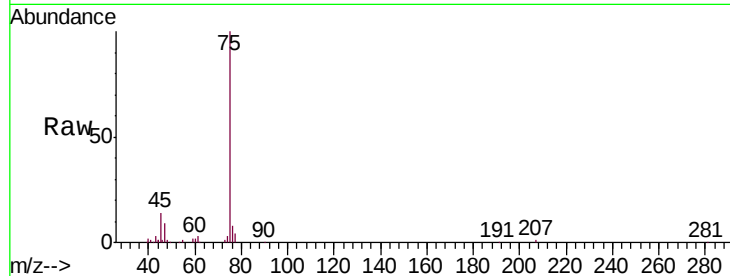
LSB-02(0-1)RE

Tgt Ion: 77 Resp: 2933

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#



#29

Tetrahydrofuran

Concen: 1.646 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

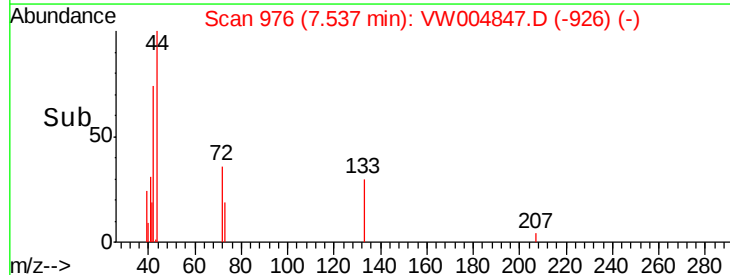
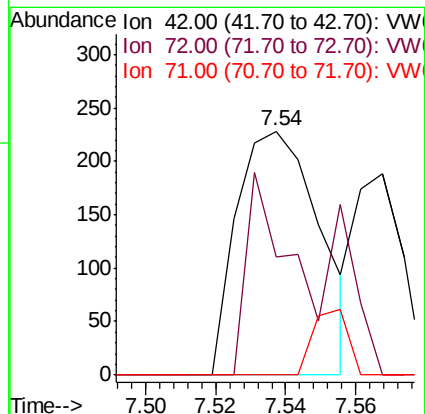
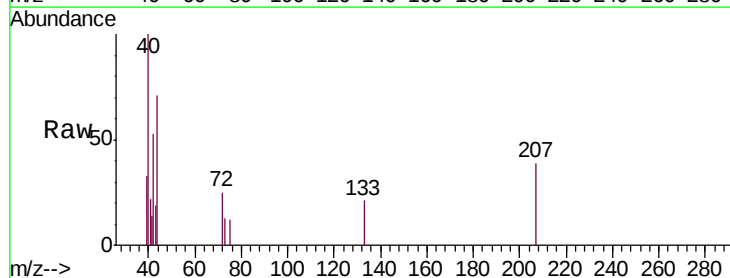
Tgt Ion: 42 Resp: 376

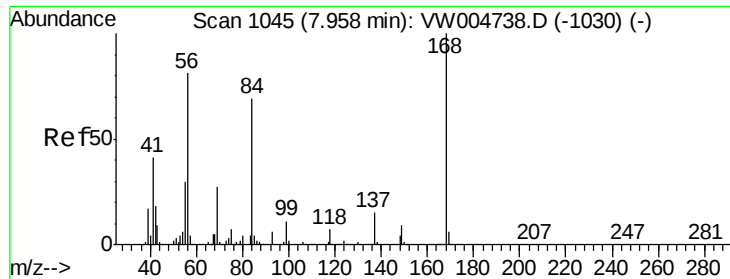
Ion Ratio Lower Upper

42 100

72 44.9 34.9 52.3

71 0.0 33.8 50.6#

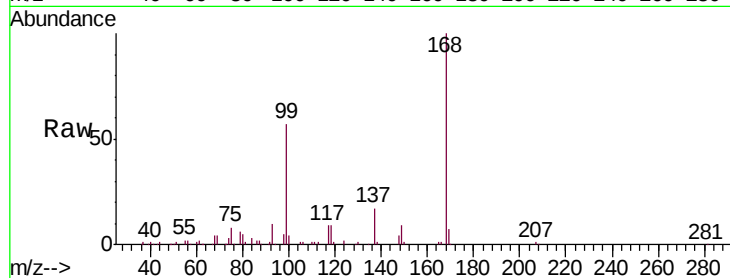




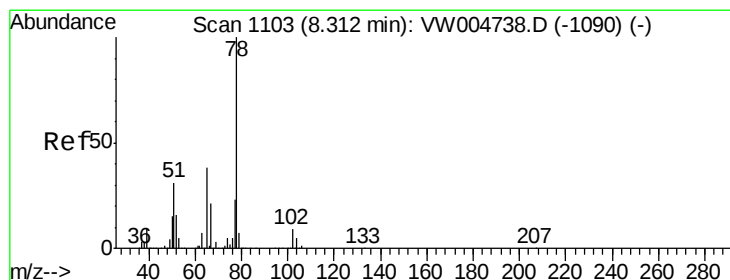
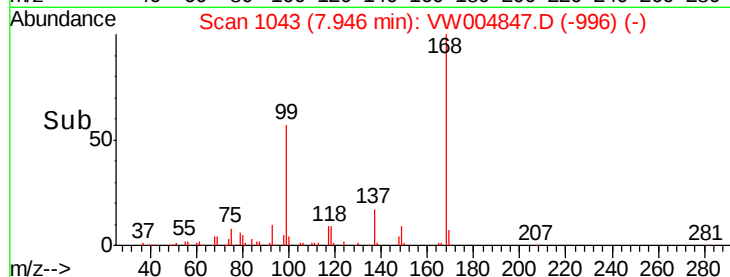
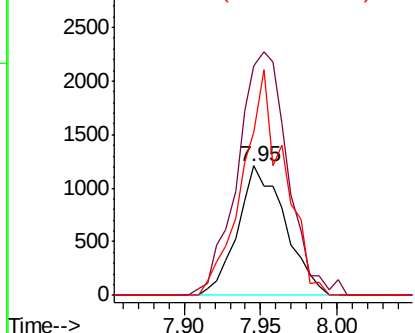
#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

Instrument :
MSVOA_W
ClientSampleId :
LSB-02(0-1)RE

Tgt Ion: 56 Resp: 2601
Ion Ratio Lower Upper
56 100
69 177.3 27.1 40.7#
84 125.5 68.3 102.5#

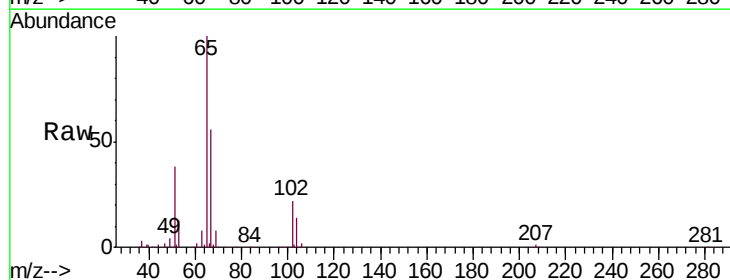


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

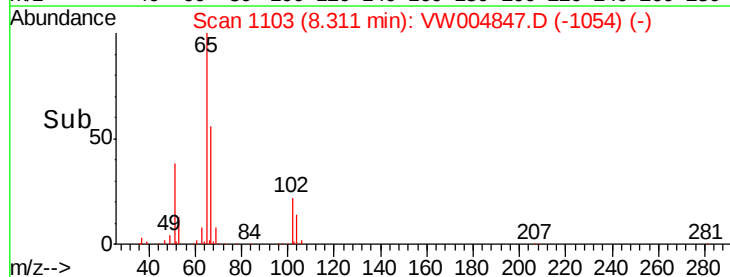
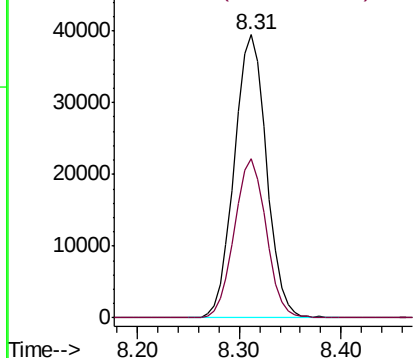


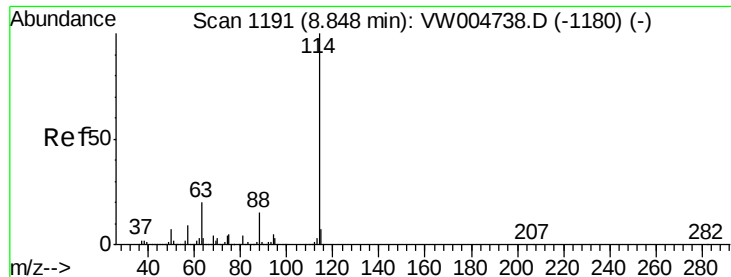
#33
1,2-Dichloroethane-d4
Concen: 70.210 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

Tgt Ion: 65 Resp: 86459
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

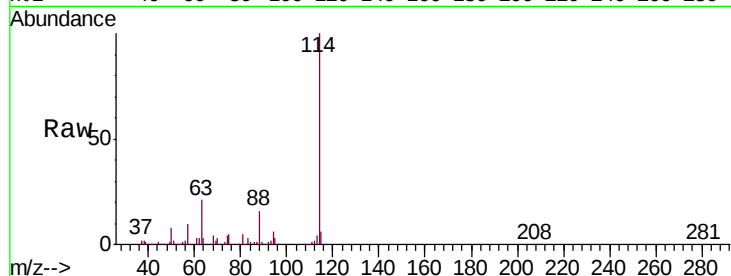




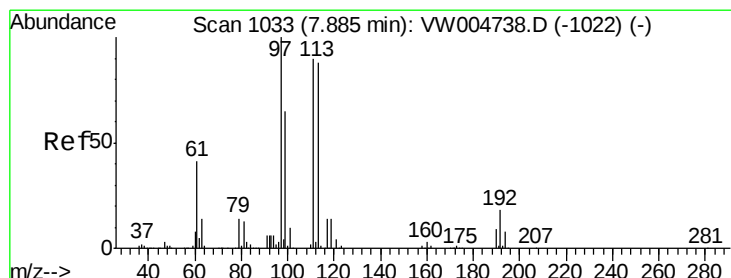
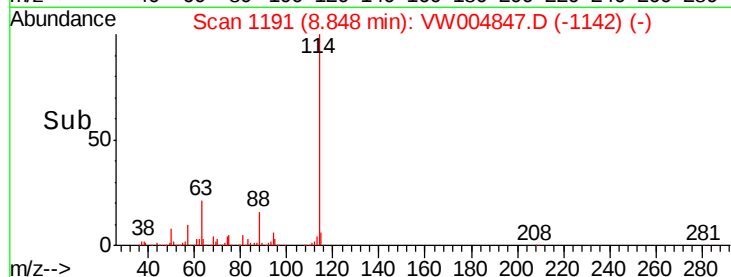
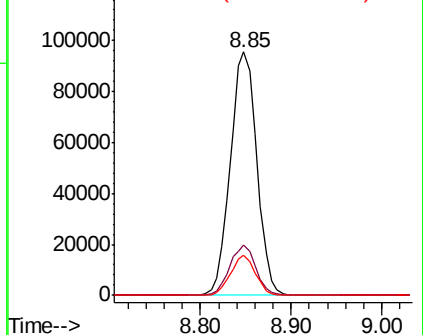
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004847.D
 Acq: 21 Aug 2018 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-02(0-1)RE

Tgt Ion:114 Resp: 193896
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 16.5 0.0 30.0

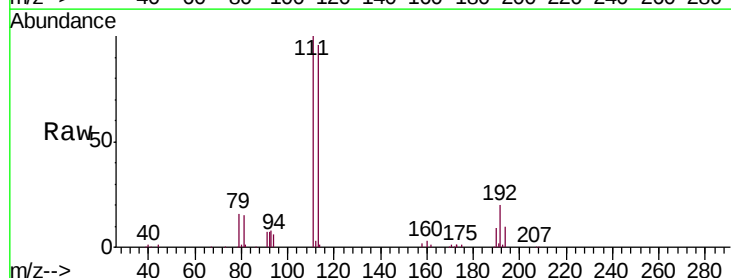


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

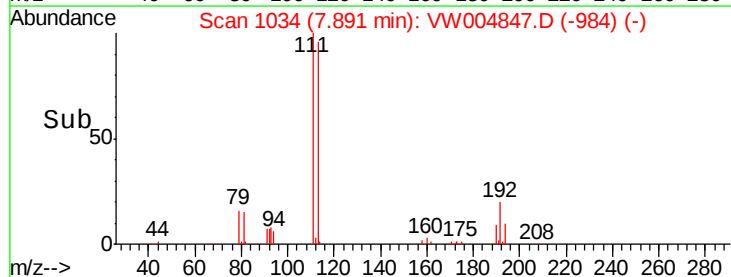
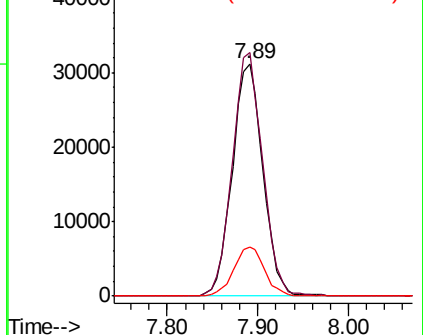


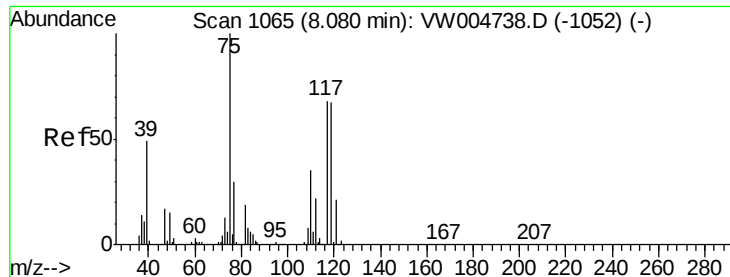
#35
 Dibromofluoromethane
 Concen: 58.990 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004847.D
 Acq: 21 Aug 2018 17:45

Tgt Ion:113 Resp: 73103
 Ion Ratio Lower Upper
 113 100
 111 103.6 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: 4.944 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

LSB-02(0-1)RE

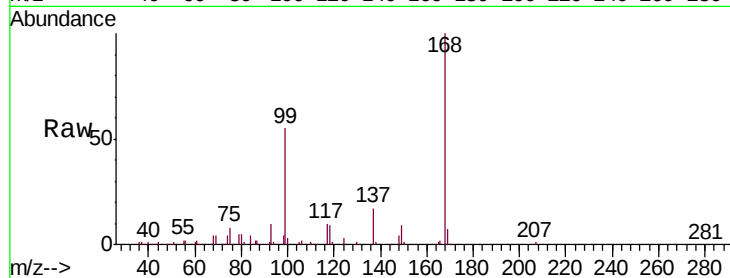
Tgt Ion: 75 Resp: 9876

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

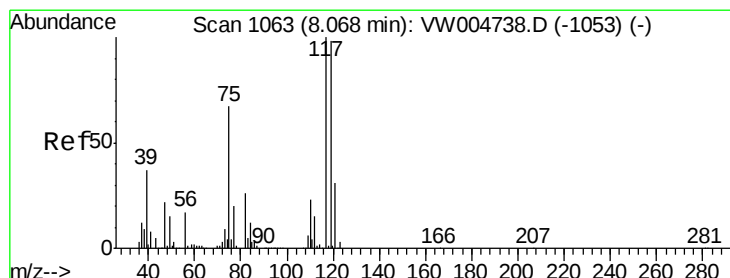
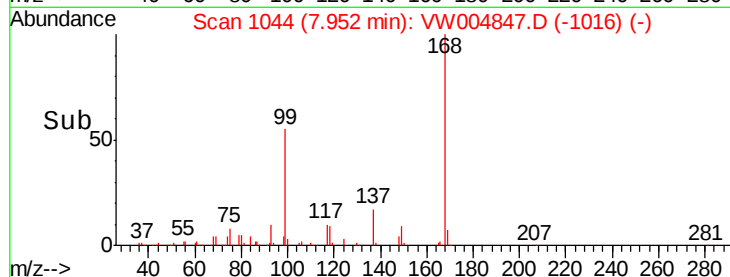
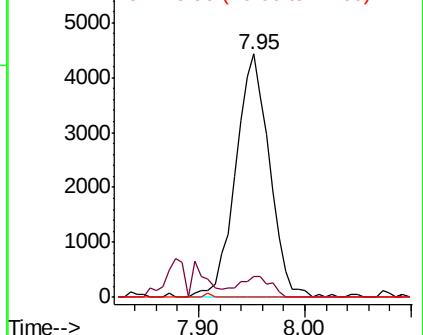
77 0.0 24.9 37.3#



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: 6.637 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

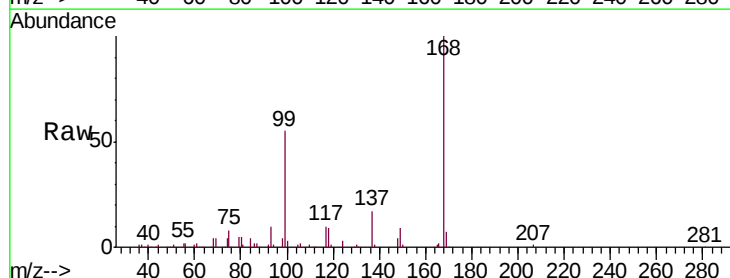
Tgt Ion: 117 Resp: 12203

Ion Ratio Lower Upper

117 100

119 8.4 78.0 117.0#

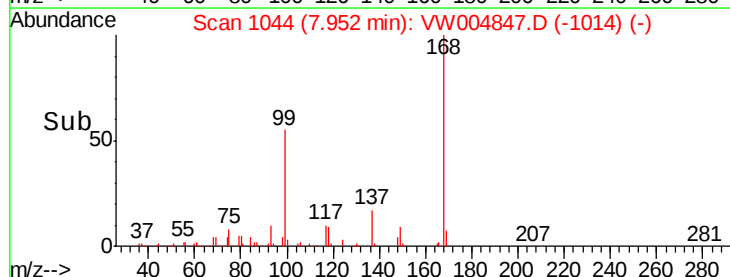
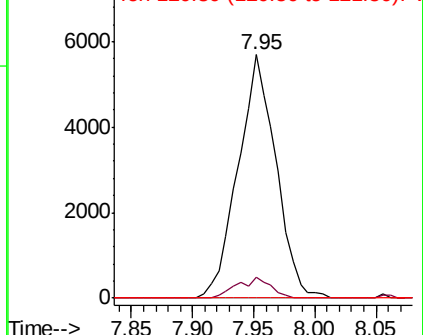
121 0.0 24.8 37.2#

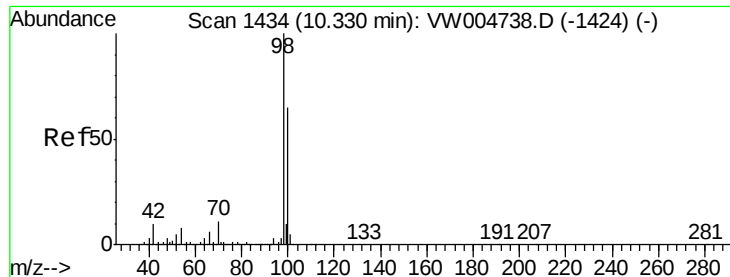


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 39.422 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

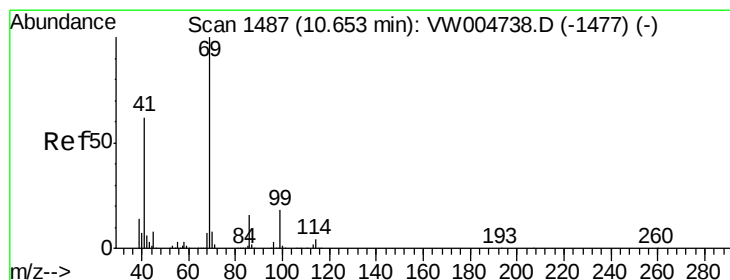
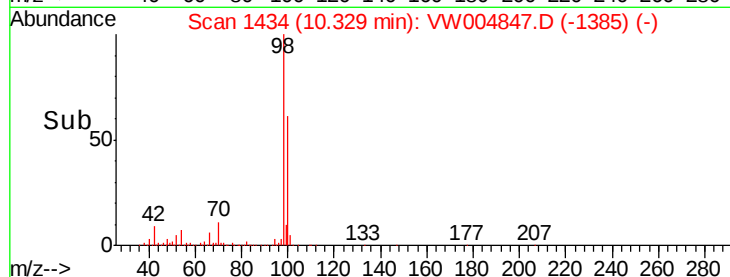
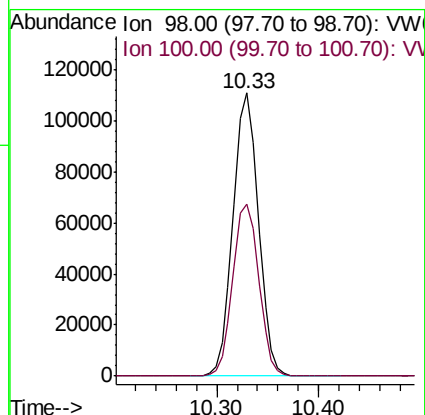
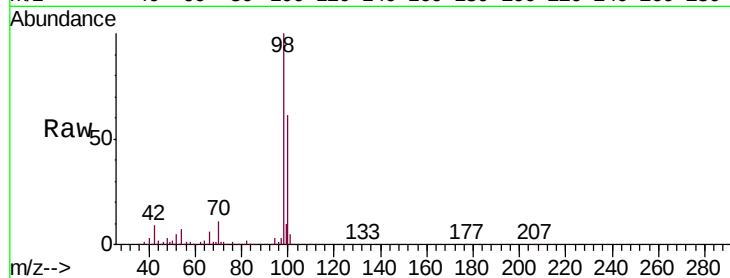
LSB-02(0-1)RE

Tgt Ion: 98 Resp: 190705

Ion Ratio Lower Upper

98 100

100 62.4 51.8 77.8



#56

Ethyl methacrylate

Concen: 3.190 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

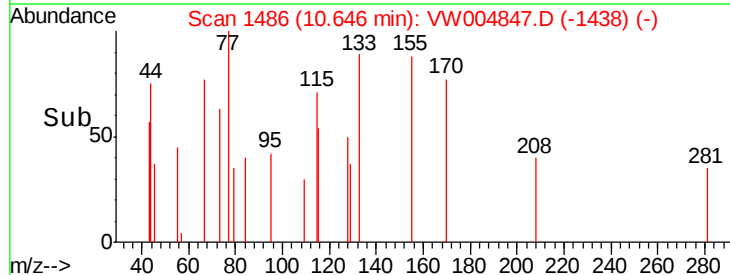
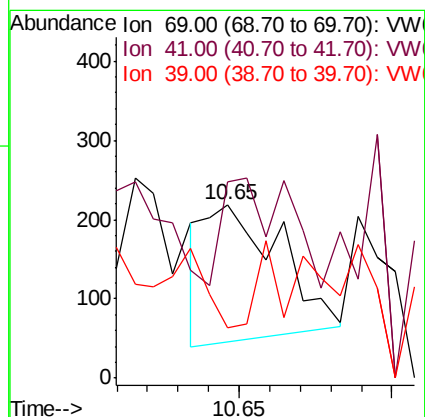
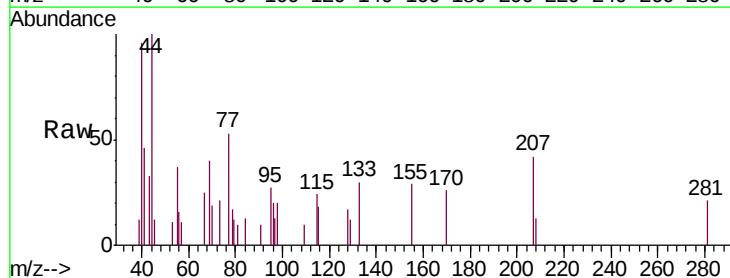
Tgt Ion: 69 Resp: 292

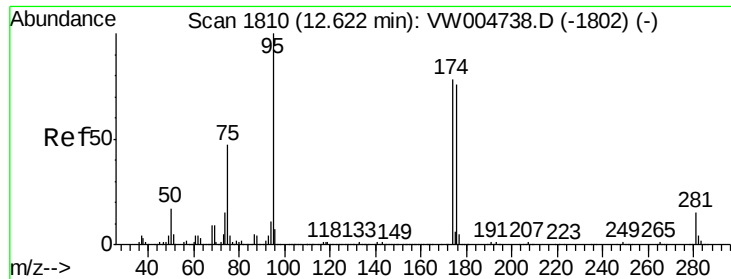
Ion Ratio Lower Upper

69 100

41 68.8 50.7 76.1

39 15.8 21.4 32.2#

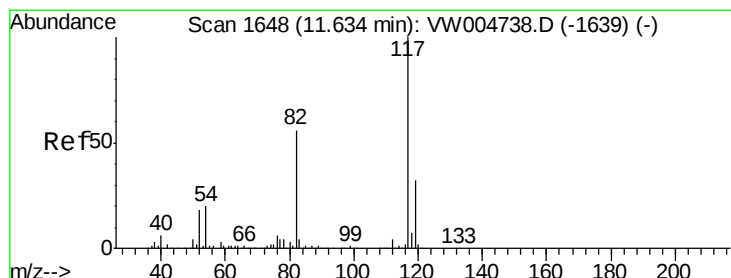
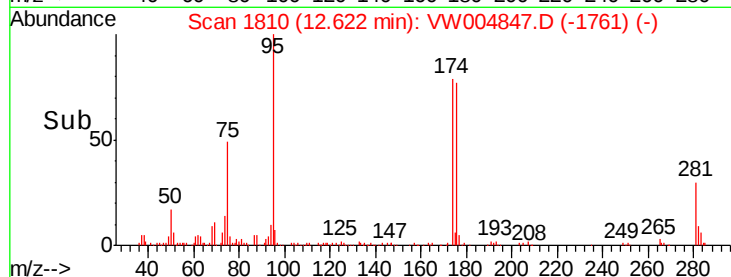
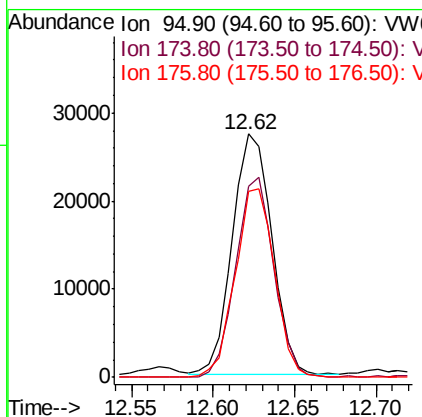
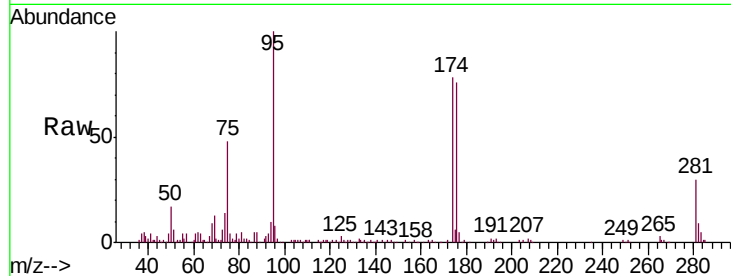




#62
4-Bromofluorobenzene
Concen: 26.419 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

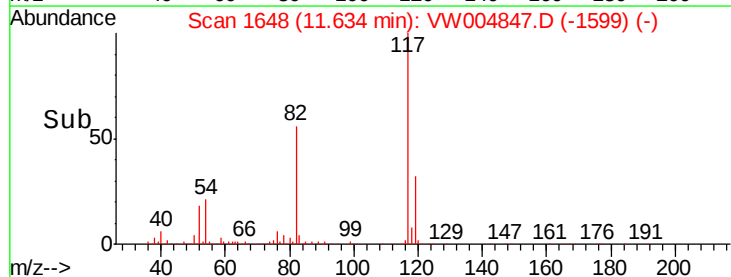
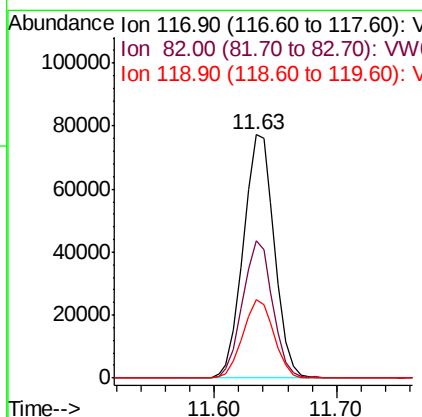
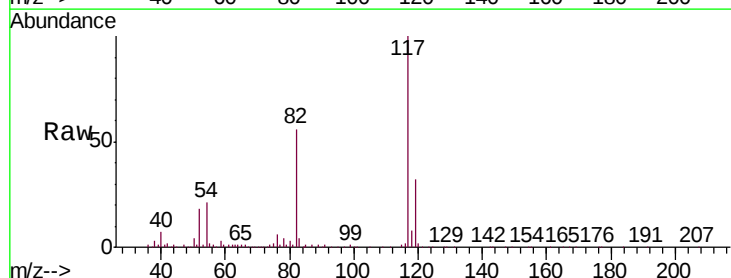
Instrument :
MSVOA_W
ClientSampleId :
LSB-02(0-1)RE

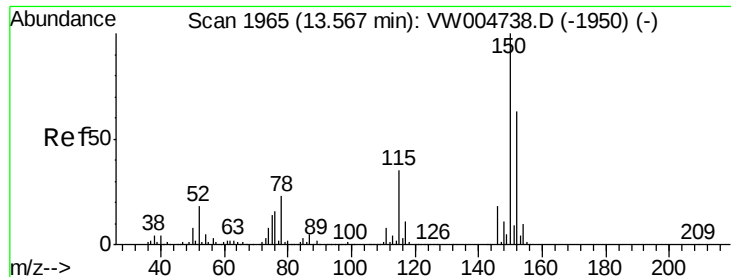
Tgt Ion: 95 Resp: 45979
Ion Ratio Lower Upper
95 100
174 80.8 0.0 165.8
176 78.6 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004847.D
Acq: 21 Aug 2018 17:45

Tgt Ion: 117 Resp: 136152
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.2 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: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

LSB-02(0-1)RE

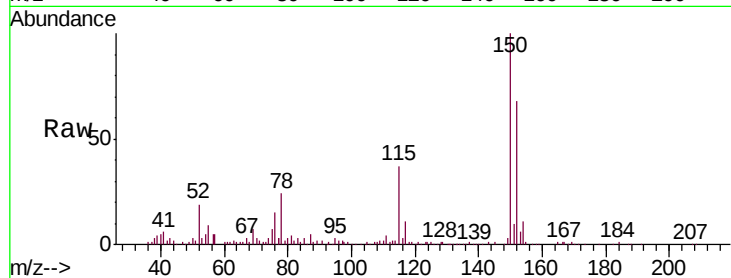
Tgt Ion:152 Resp: 38329

Ion Ratio Lower Upper

152 100

115 58.2 28.5 85.5

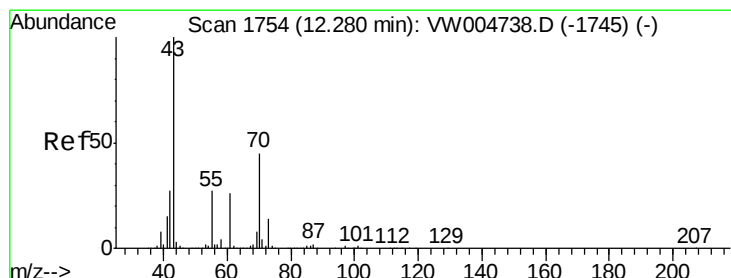
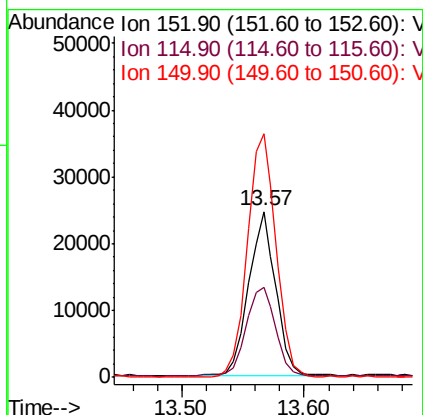
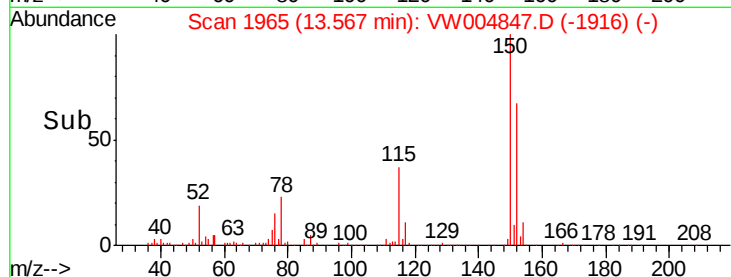
150 155.2 0.0 344.8



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



#74

N-ethyl acetate

Concen: 5.496 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.08 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Tgt Ion: 43 Resp: 981

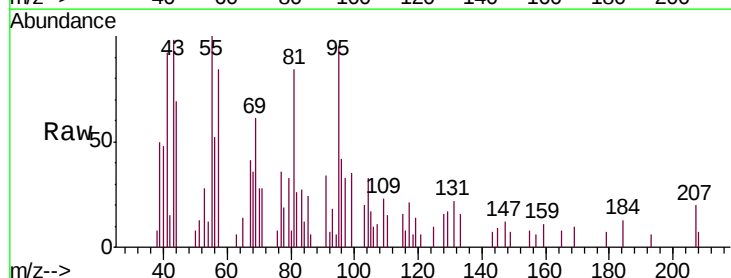
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 88.7 22.6 33.8#

61 0.0 20.2 30.4#

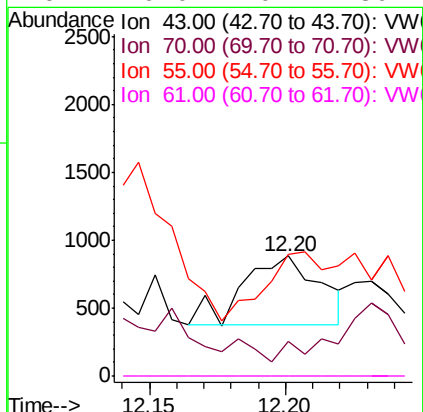
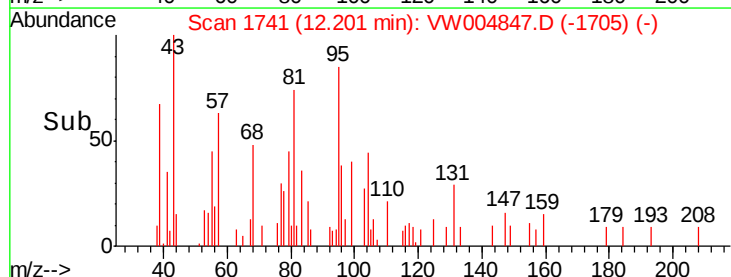


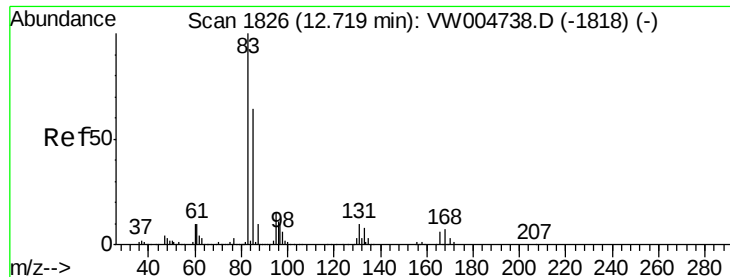
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 3.333 ug/l

RT: 12.69 min Scan# 1821

Delta R.T. -0.03 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

LSB-02(0-1)RE

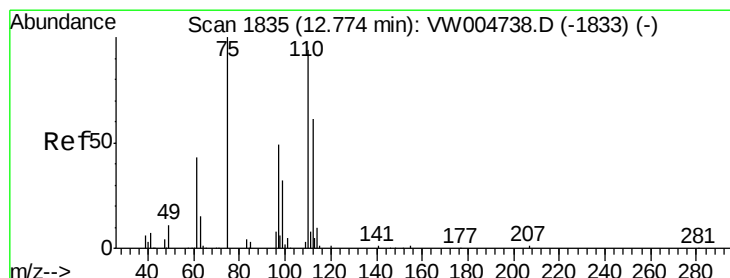
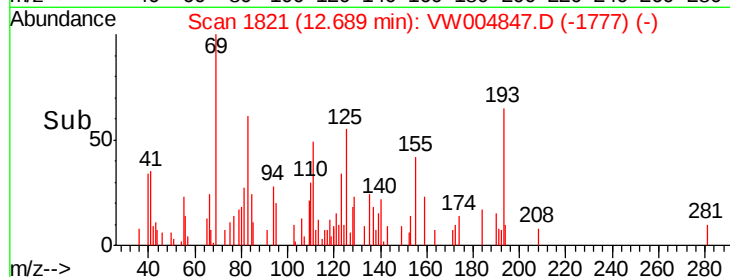
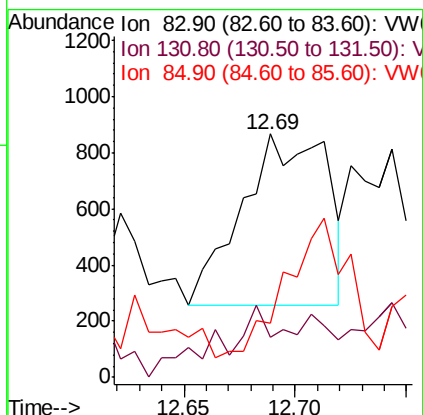
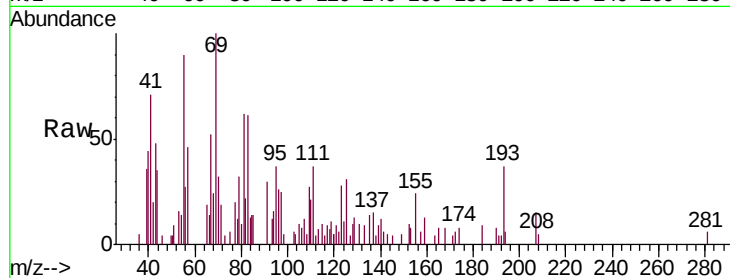
Tgt Ion: 83 Resp: 1610

Ion Ratio Lower Upper

83 100

131 32.5 5.3 15.8#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 63.085 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004847.D

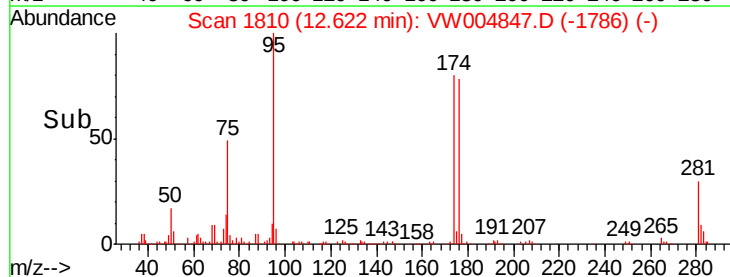
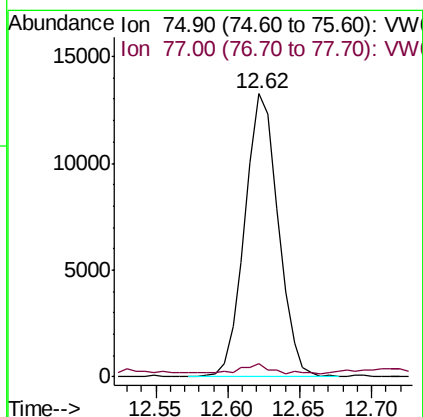
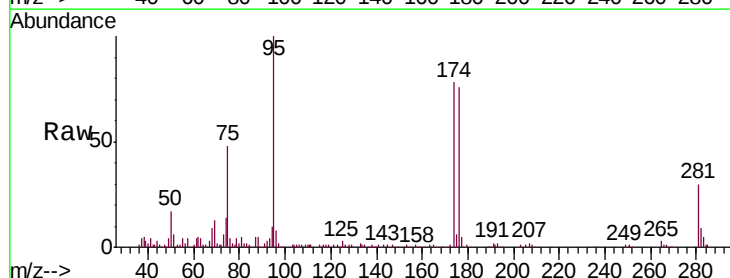
Acq: 21 Aug 2018 17:45

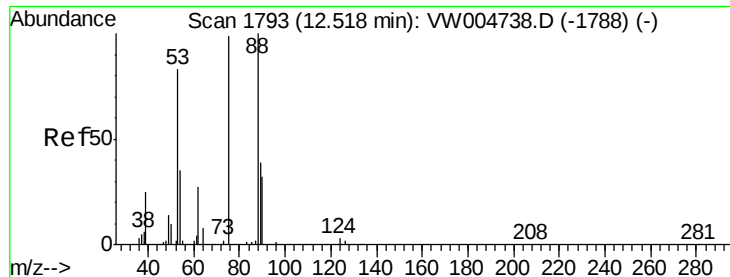
Tgt Ion: 75 Resp: 21315

Ion Ratio Lower Upper

75 100

77 3.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.626 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA_W

ClientSampleId :

LSB-02(0-1)RE

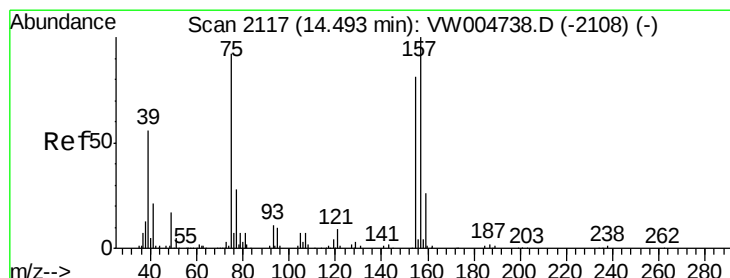
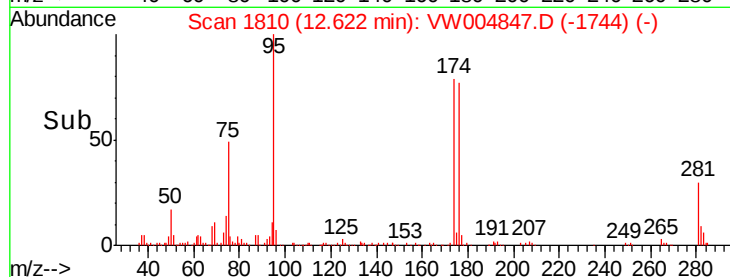
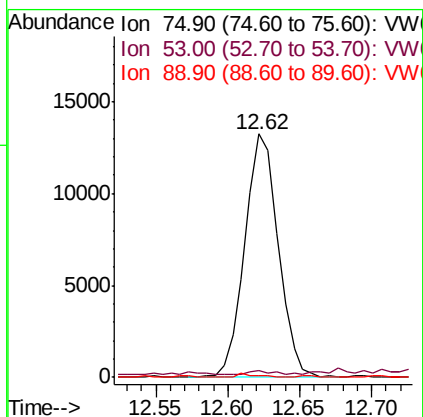
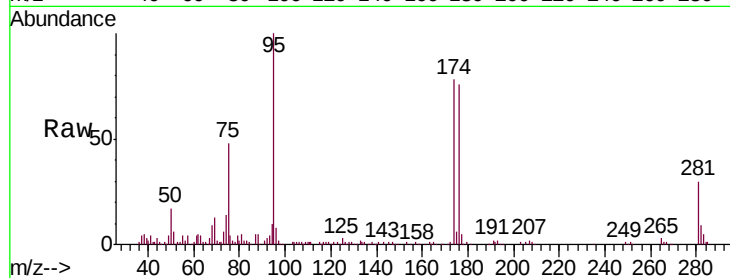
Tgt Ion: 75 Resp: 21315

Ion Ratio Lower Upper

75 100

53 1.1 72.2 108.4#

89 1.0 35.2 52.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.013 ug/l

RT: 14.55 min Scan# 2127

Delta R.T. 0.06 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

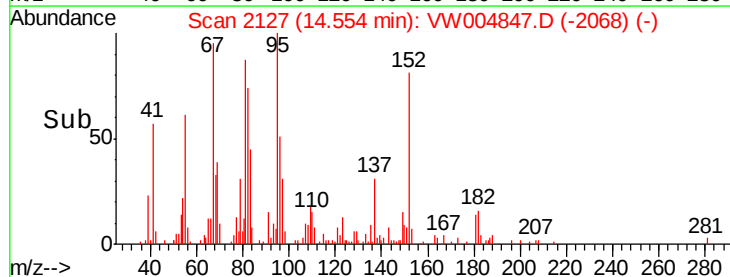
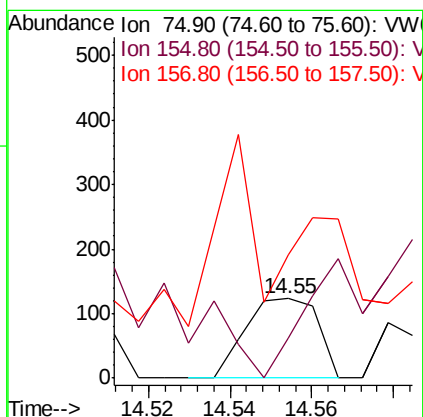
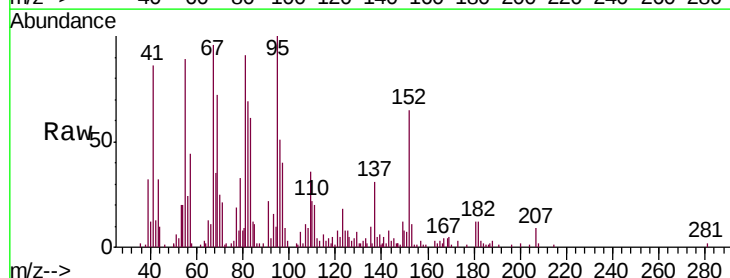
Tgt Ion: 75 Resp: 152

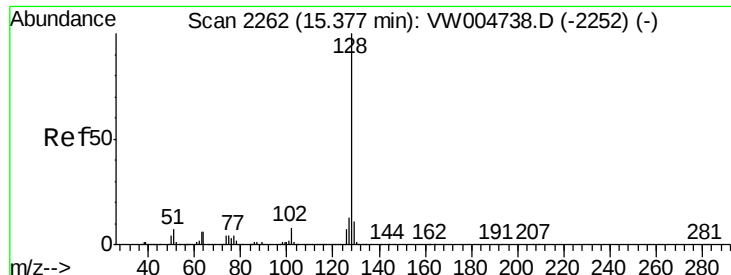
Ion Ratio Lower Upper

75 100

155 114.5 43.3 129.9

157 145.4 54.5 163.6





#95
 Naphthalene
 Concen: 3.871 ug/l
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VW004847.D
 Acq: 21 Aug 2018 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-02(0-1)RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	69.4	10.4	15.6#
129	40.1	8.6	13.0#

