

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004802.D
 Acq On : 20 Aug 2018 20:02
 Operator : SY/AP
 Sample : J4499-07
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)

Quant Time: Aug 21 00:57:58 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	599588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	955445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	799122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	288160	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	323529	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	
35) Dibromofluoromethane	7.89	113	320834	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	10.33	98	1068438	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	12.62	95	299025	34.87	ug/l	0.00
Spiked Amount			Recovery	=	69.74%	

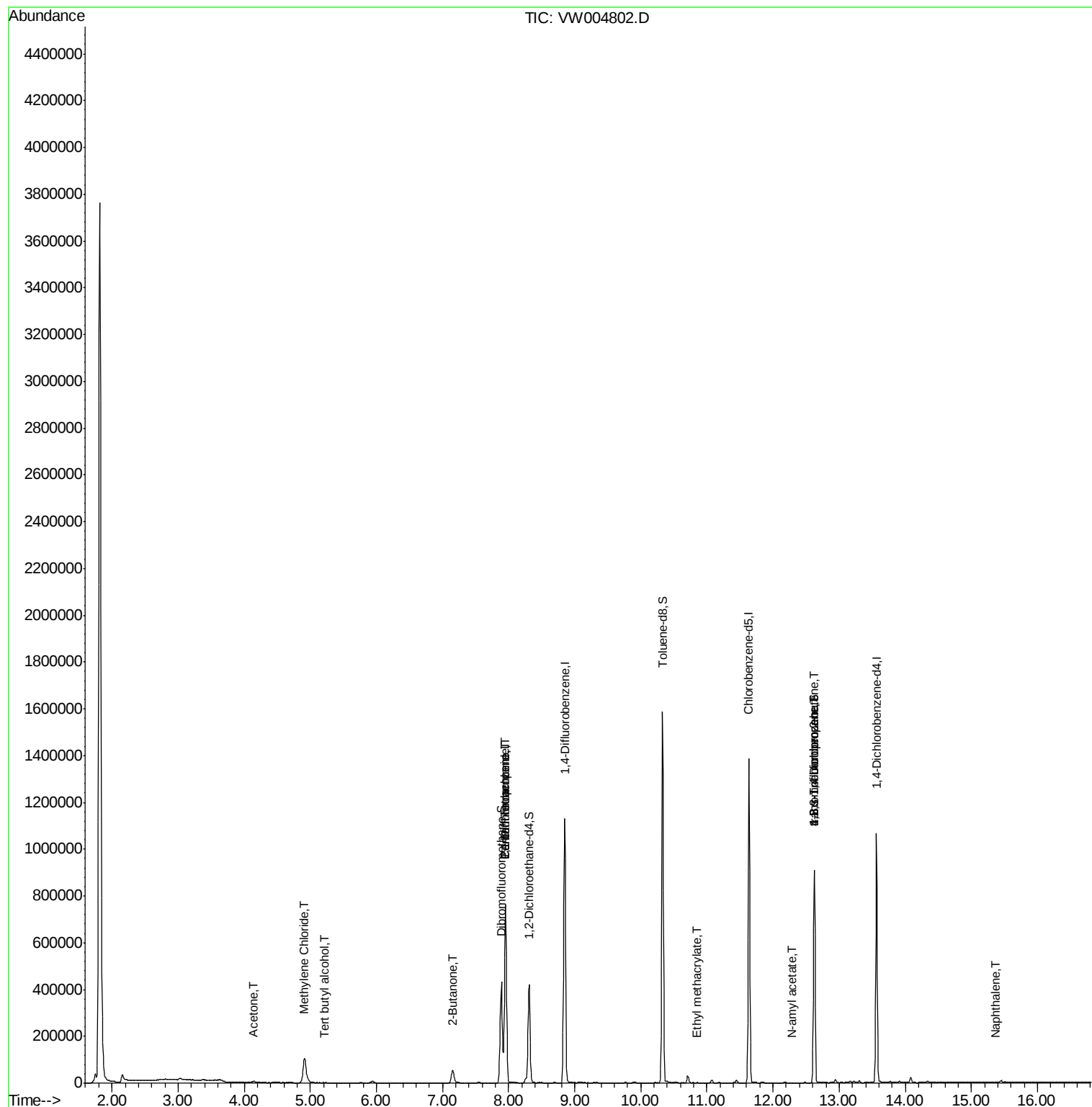
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	440	1.359	ug/l #	72
16) Acetone	4.14	43	10513	7.104	ug/l	95
20) Methylene Chloride	4.92	84	92233	10.217	ug/l	99
25) 2-Butanone	7.15	43	3257	1.545	ug/l #	87
36) 1,1-Dichloropropene	7.95	75	43858	4.456	ug/l #	48
38) Carbon Tetrachloride	7.95	117	54939	6.064	ug/l #	15
56) Ethyl methacrylate	10.84	69	27	2.984	ug/l #	1
74) N-amyl acetate	12.29	43	107	4.040	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	140288	55.227	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	140288	128.363	ug/l #	14
95) Naphthalene	15.37	128	596	3.554	ug/l #	85

(#) = 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: VW004802.D

Acq: 20 Aug 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

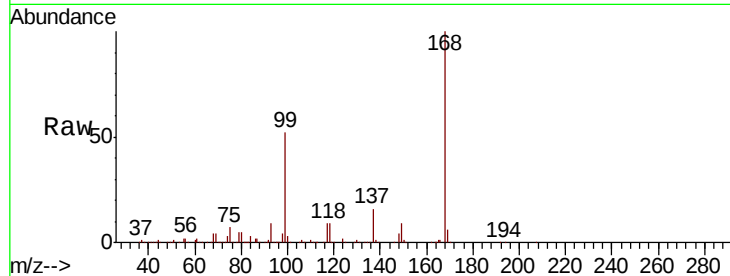
LSB-07(0-1)

Tgt Ion:168 Resp: 599588

Ion Ratio Lower Upper

168 100

99 51.9 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

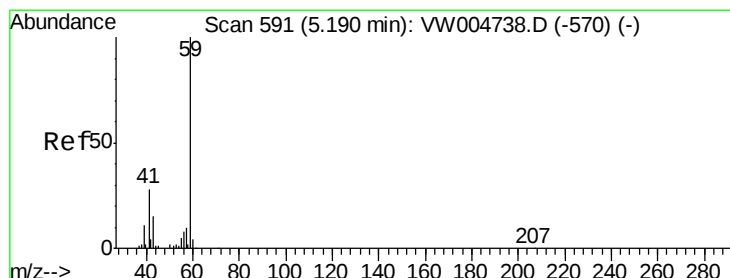
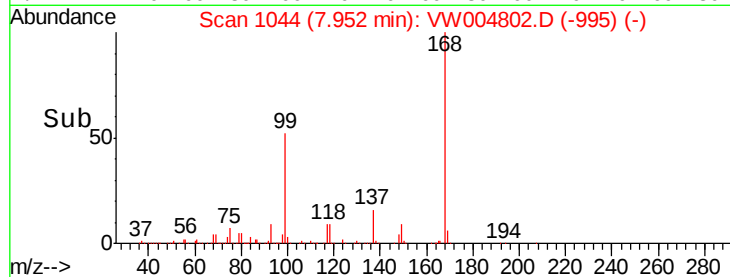
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.359 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004802.D

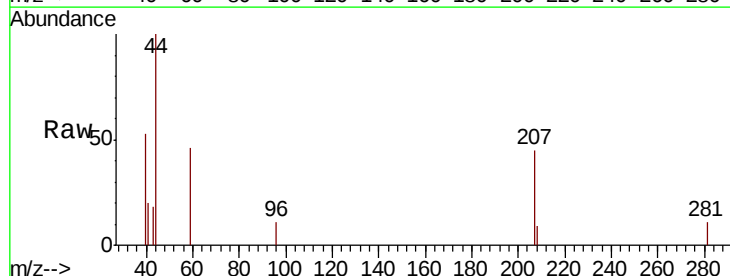
Acq: 20 Aug 2018 20:02

Tgt Ion: 59 Resp: 440

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

300

250

200

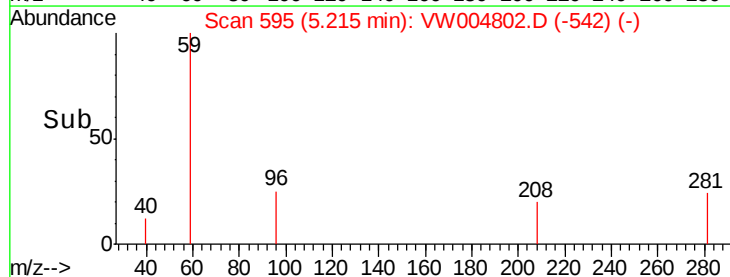
150

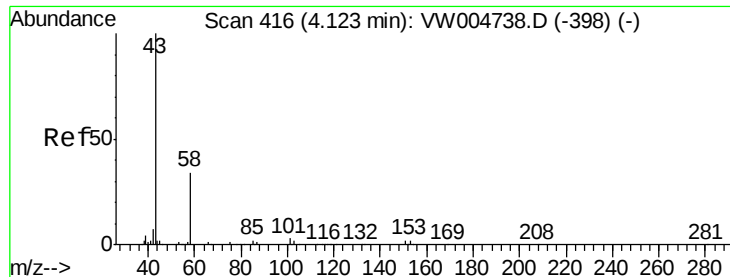
100

50

0

Time-->





#16

Acetone

Concen: 7.104 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

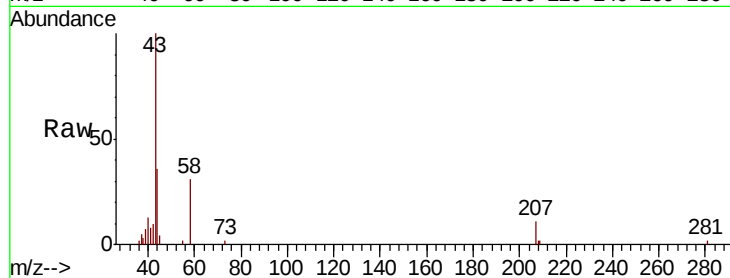
LSB-07(0-1)

Tgt Ion: 43 Resp: 10513

Ion Ratio Lower Upper

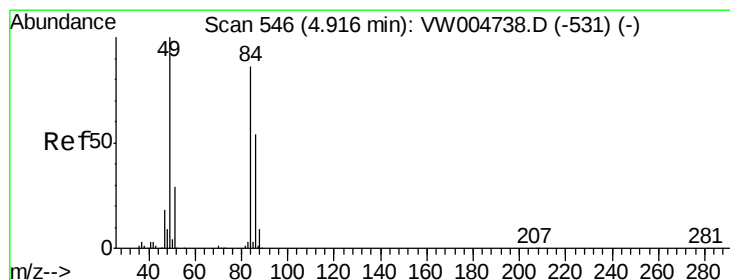
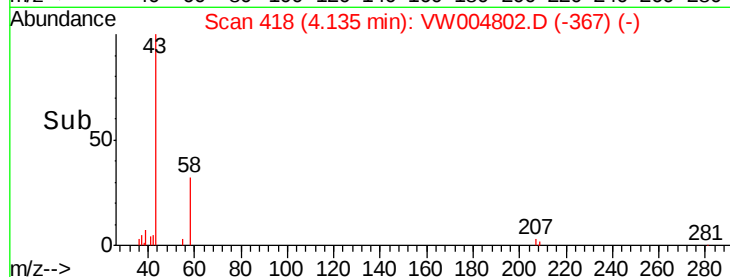
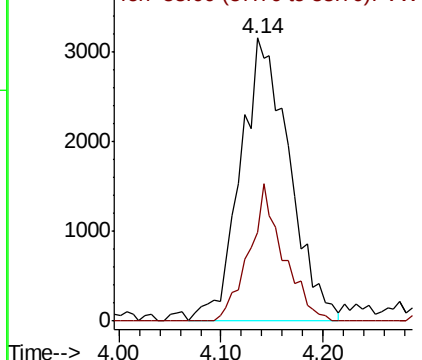
43 100

58 31.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 10.217 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

Tgt Ion: 84 Resp: 92233

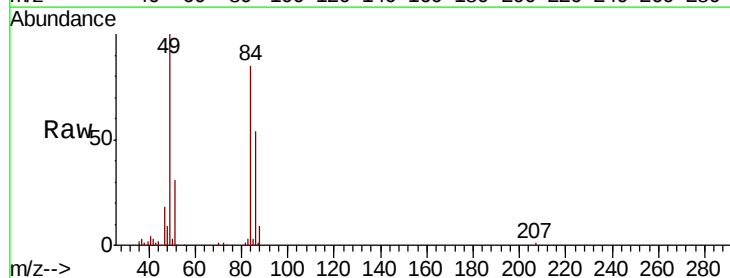
Ion Ratio Lower Upper

84 100

49 117.5 93.2 139.8

51 36.5 27.4 41.0

86 63.2 50.6 75.8

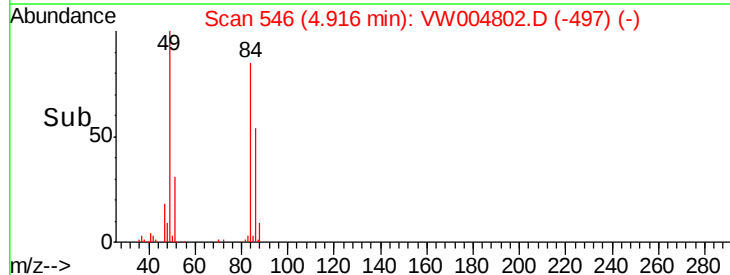
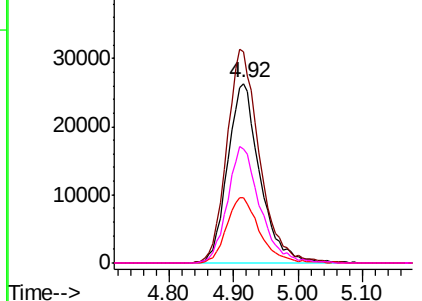


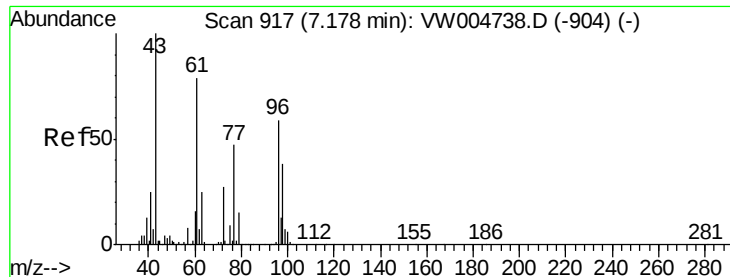
Abundance Ion 83.90 (83.60 to 84.60): VW

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

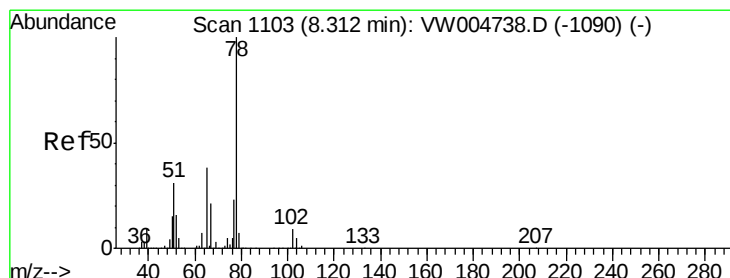
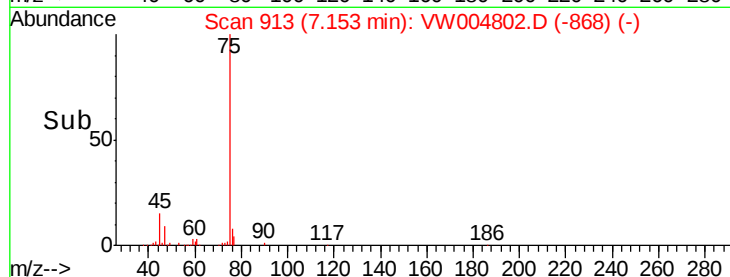
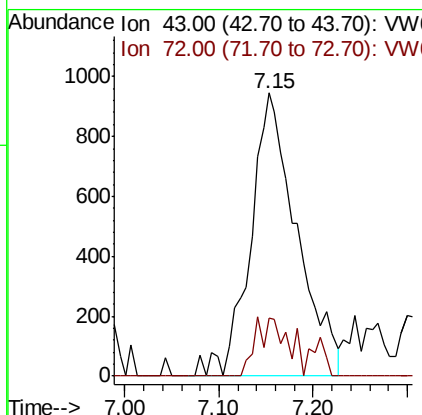
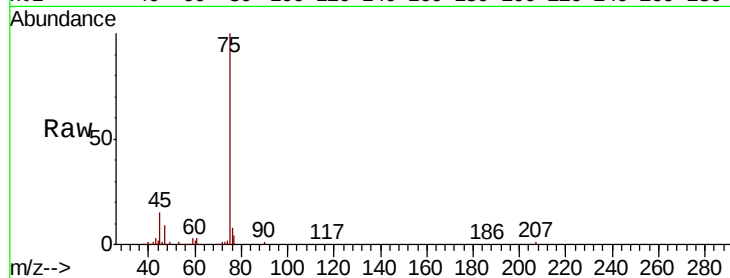




#25
2-Butanone
Concen: 1.545 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

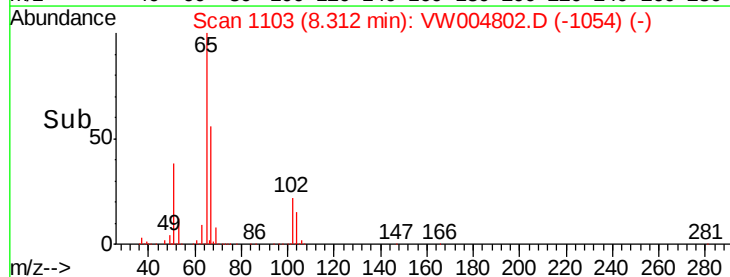
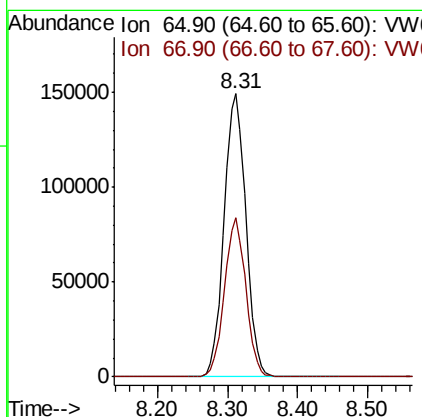
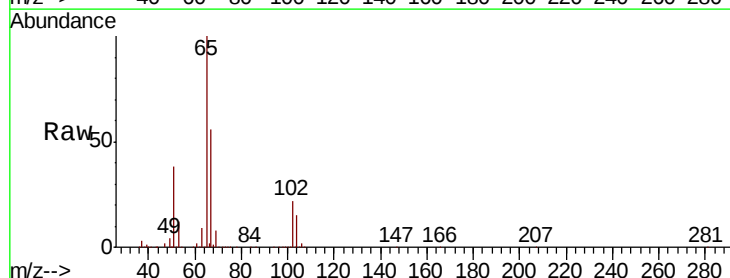
Instrument :
MSVOA_W
ClientSampleID :
LSB-07(0-1)

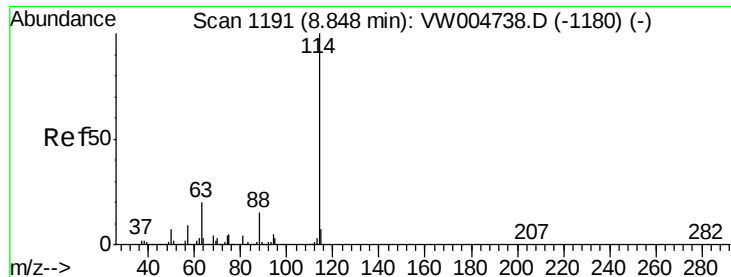
Tgt Ion: 43 Resp: 3257
Ion Ratio Lower Upper
43 100
72 20.6 22.0 33.0#



#33
1,2-Dichloroethane-d4
Concen: 55.811 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

Tgt Ion: 65 Resp: 323529
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.4

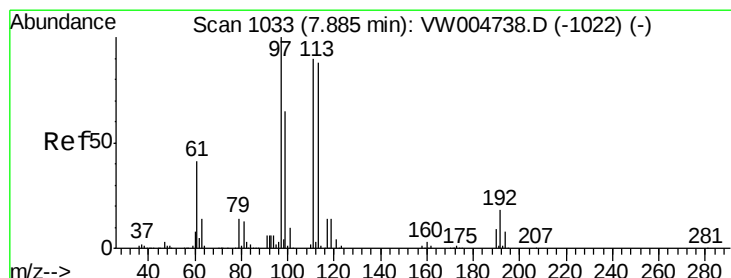
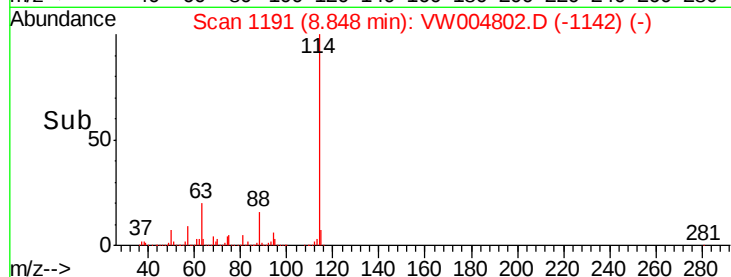
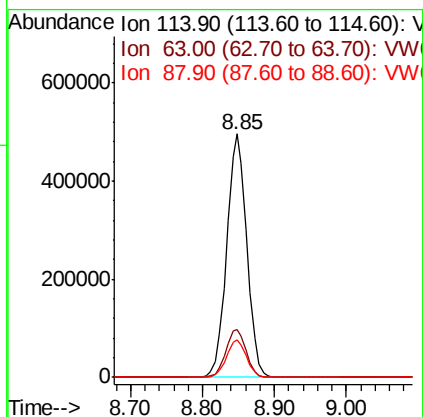
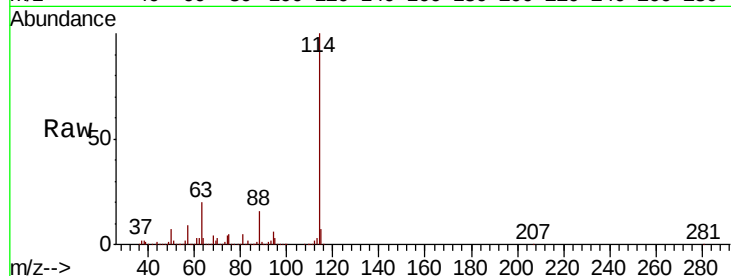




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

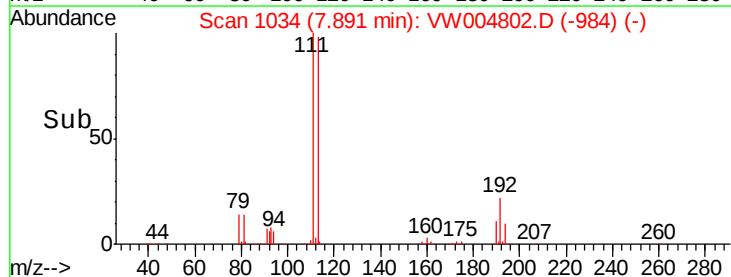
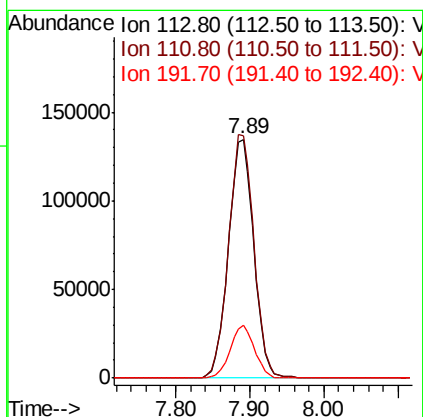
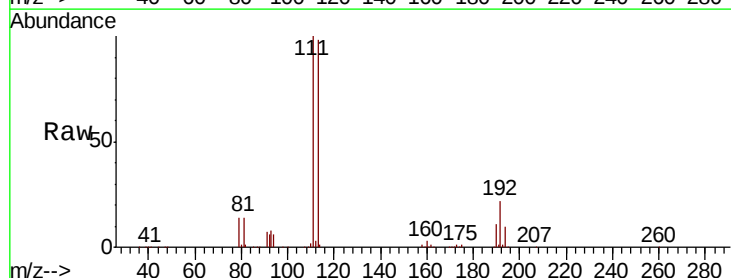
Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)

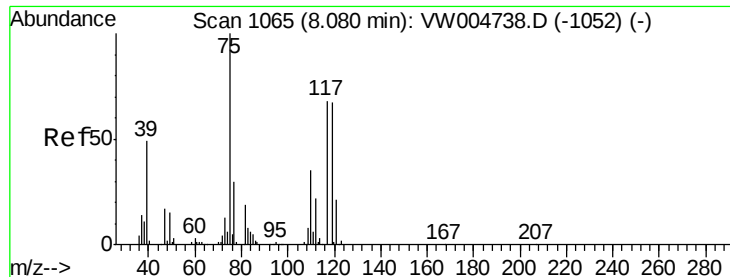
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.7	0.0	30.0



#35
Dibromofluoromethane
Concen: 52.539 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	21.1	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.456 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)

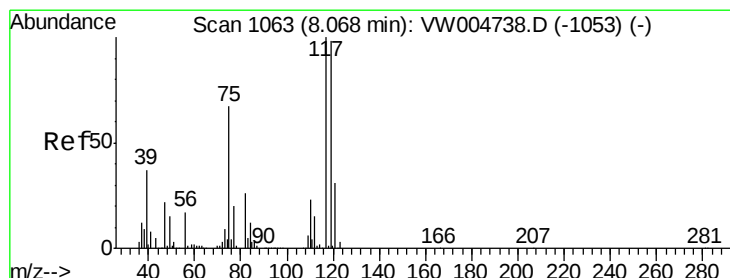
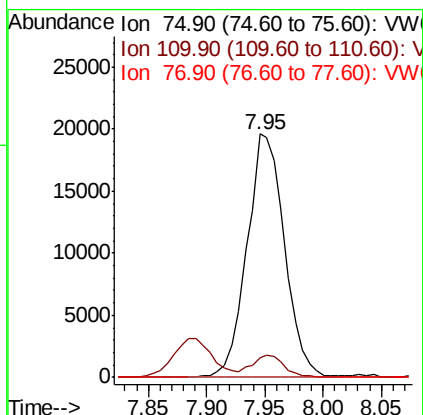
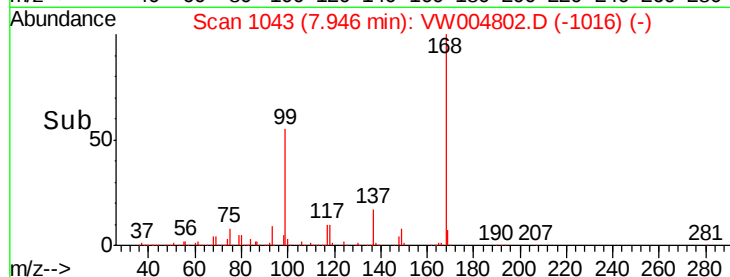
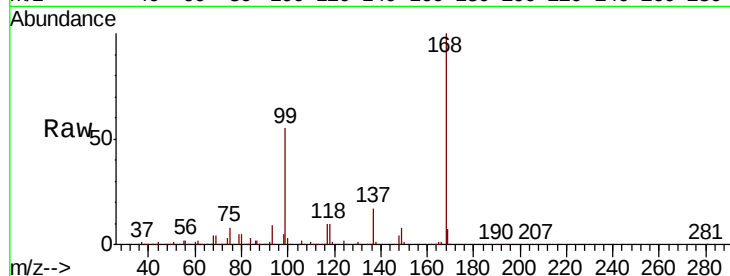
Tgt Ion: 75 Resp: 43858

Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.064 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

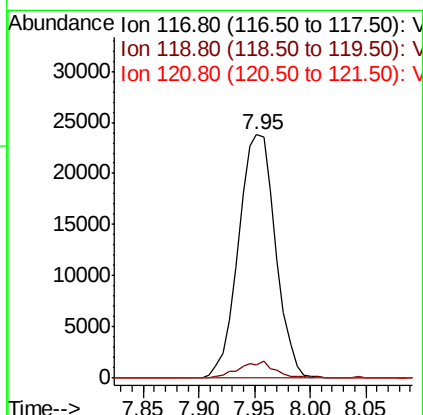
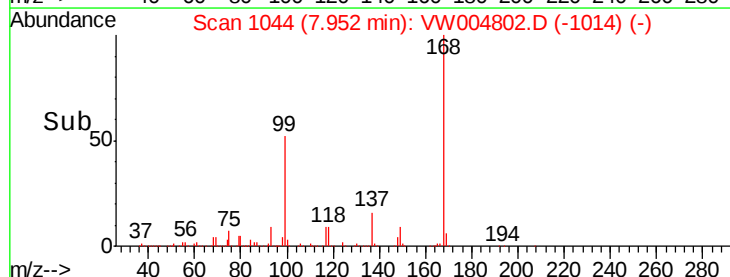
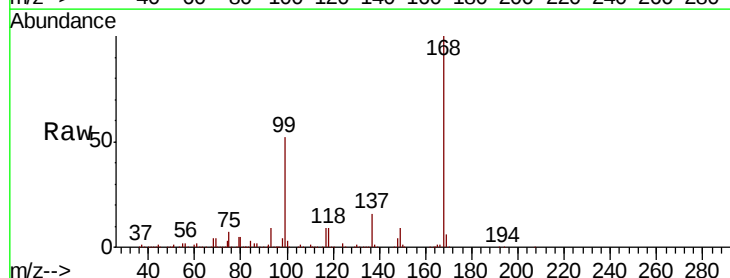
Tgt Ion: 117 Resp: 54939

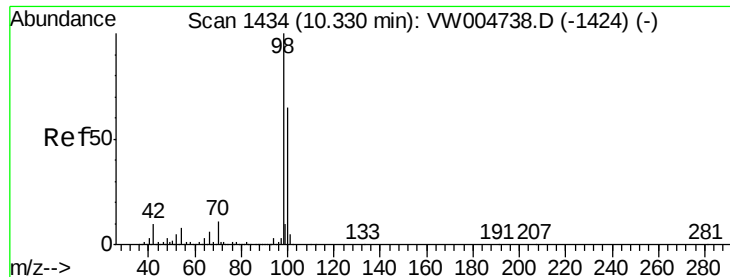
Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 44.822 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

Instrument :

MSVOA_W

ClientSampled :

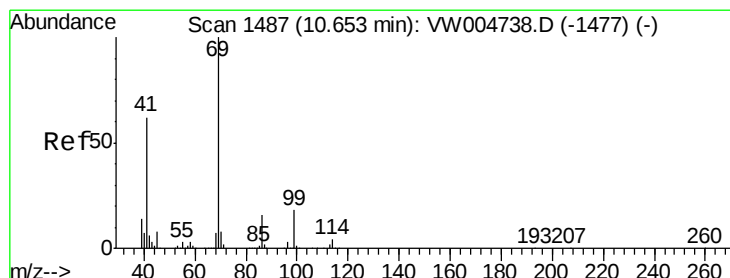
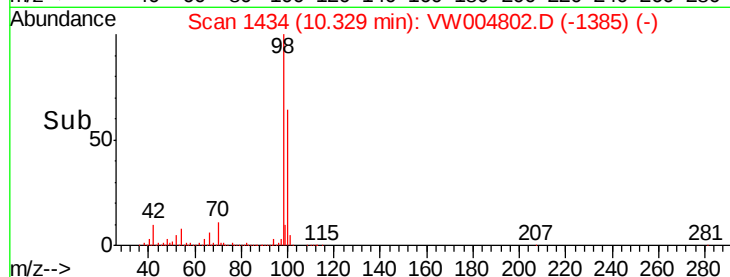
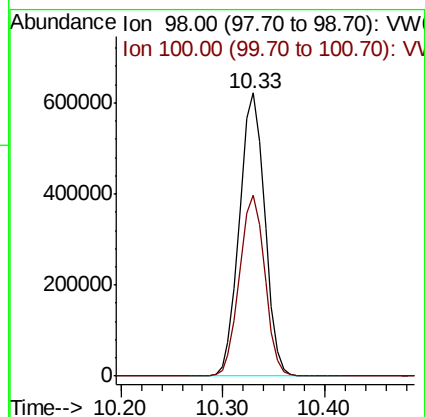
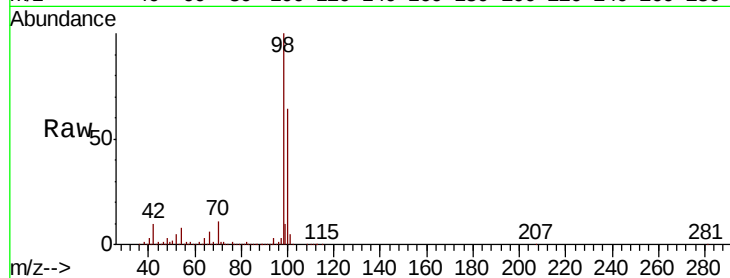
LSB-07(0-1)

Tgt Ion: 98 Resp: 1068438

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 10.84 min Scan# 1518

Delta R.T. 0.19 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

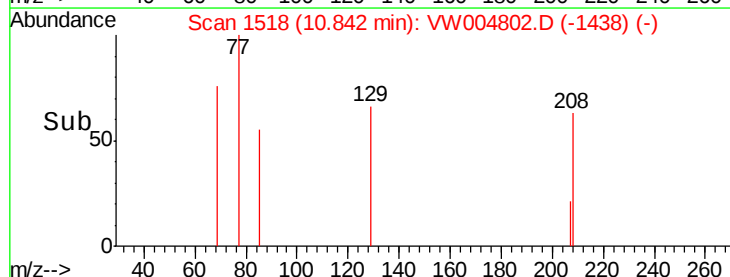
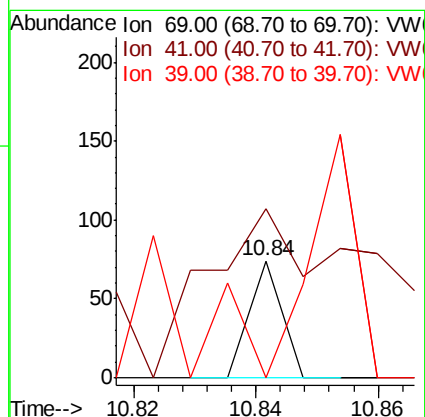
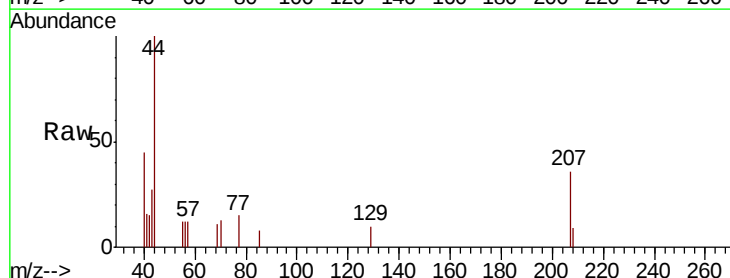
Tgt Ion: 69 Resp: 27

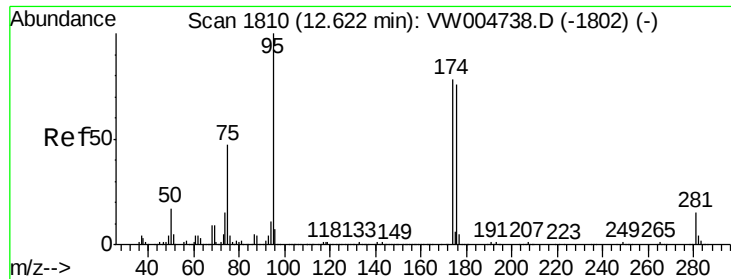
Ion Ratio Lower Upper

69 100

41 707.4 50.7 76.1#

39 288.9 21.4 32.2#

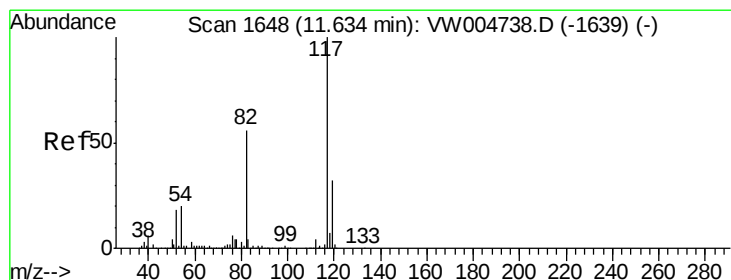
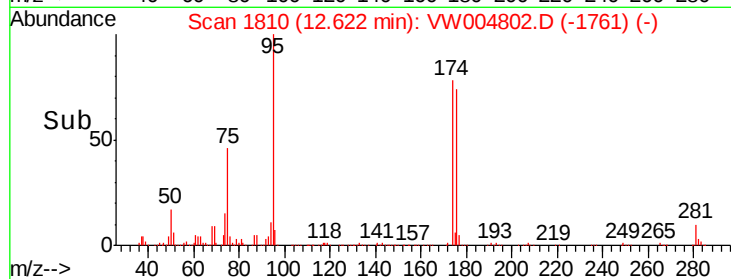
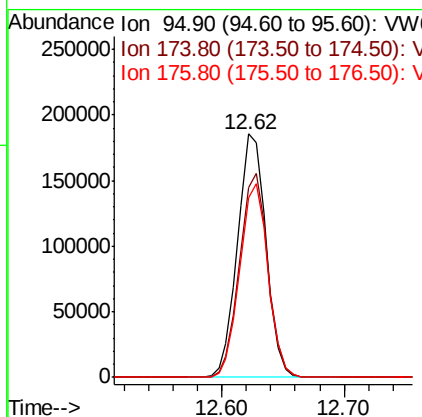
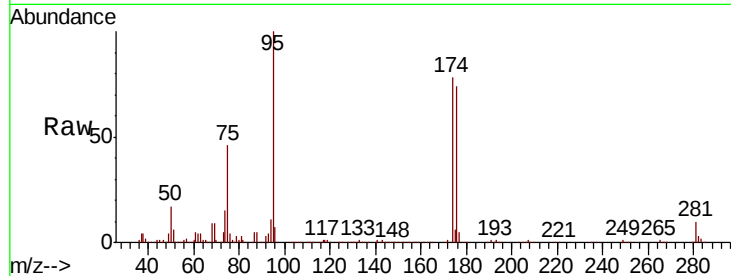




#62
4-Bromofluorobenzene
Concen: 34.868 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

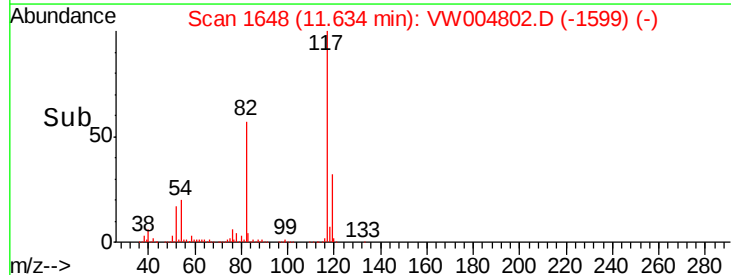
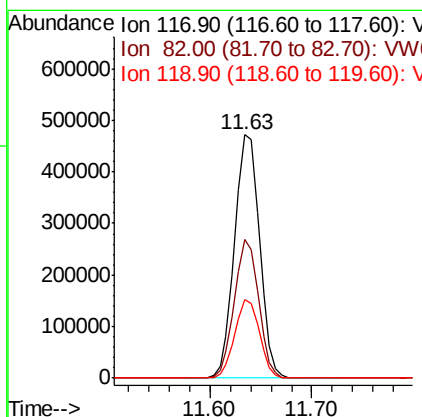
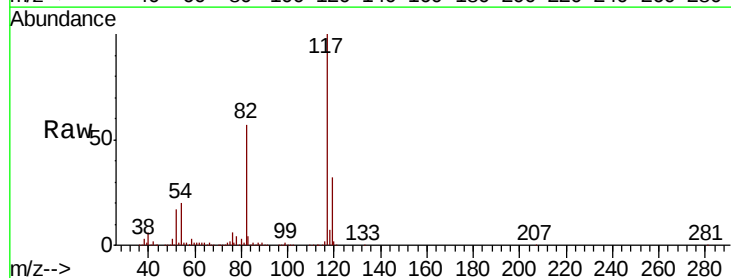
Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)

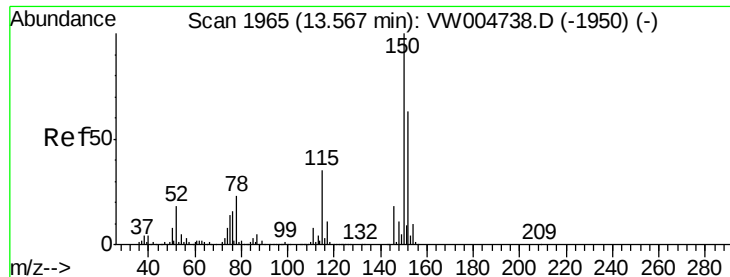
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	165.8
176	79.3	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	67.0
119	32.3	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: VW004802.D

Acq: 20 Aug 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)

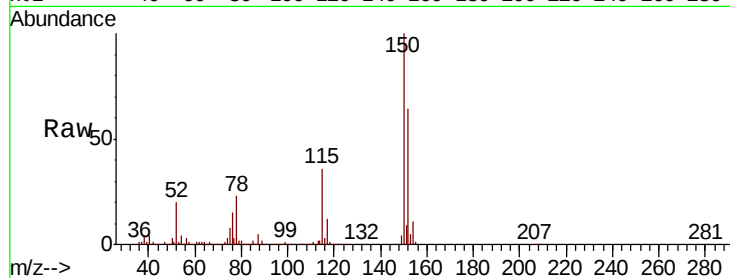
Tgt Ion:152 Resp: 288160

Ion Ratio Lower Upper

152 100

115 57.4 28.5 85.5

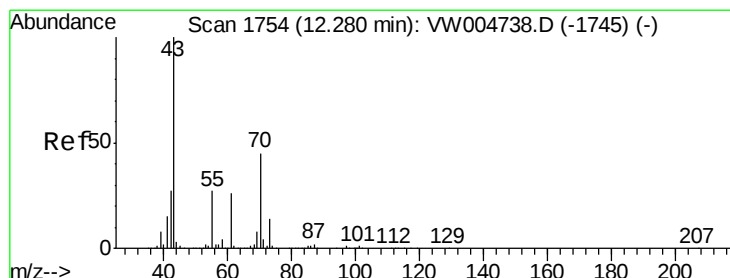
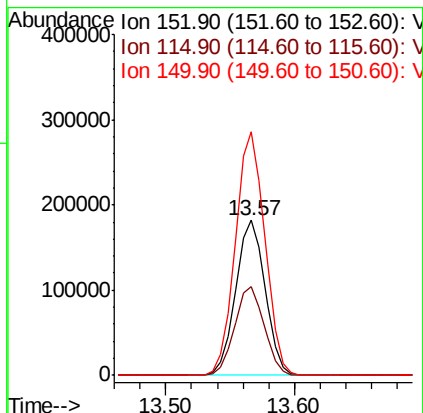
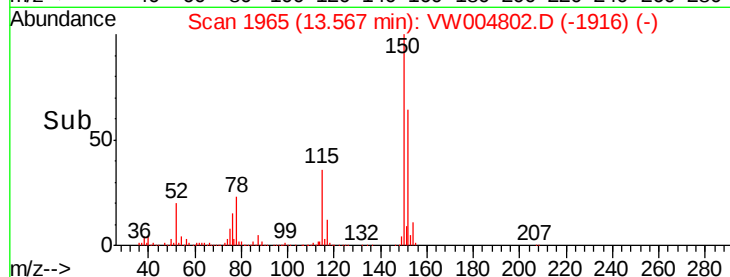
150 156.9 0.0 344.8



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: 4.040 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004802.D

Acq: 20 Aug 2018 20:02

Tgt Ion: 43 Resp: 107

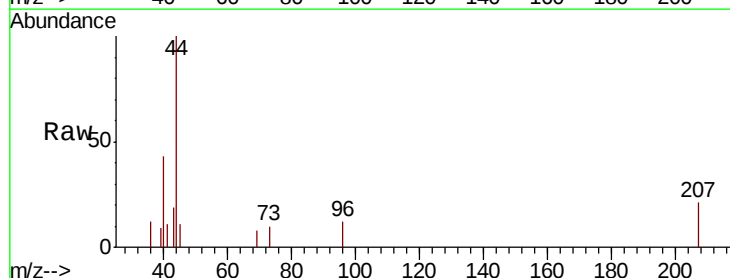
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 27.1 22.6 33.8

61 0.0 20.2 30.4#

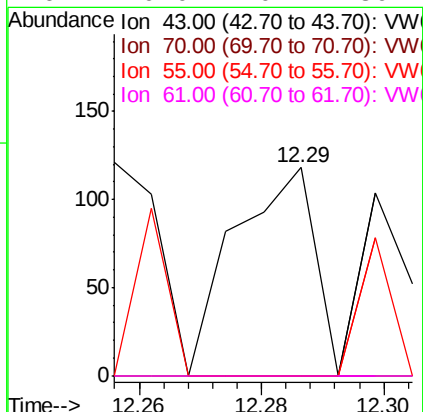
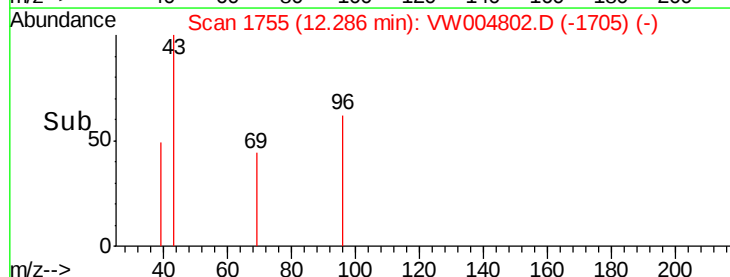


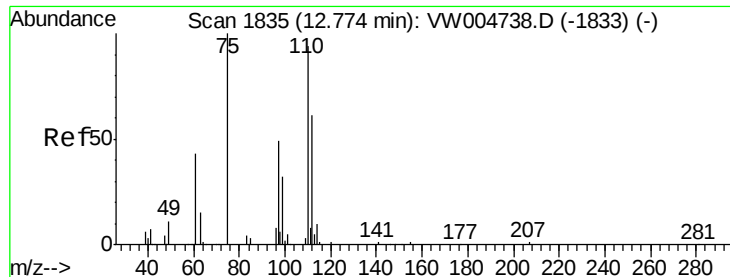
Abundance Ion 43.00 (42.70 to 43.70): VW

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

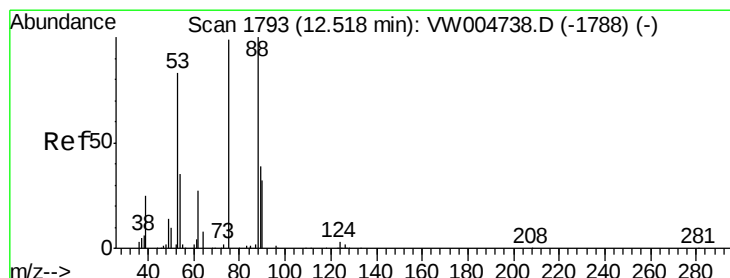
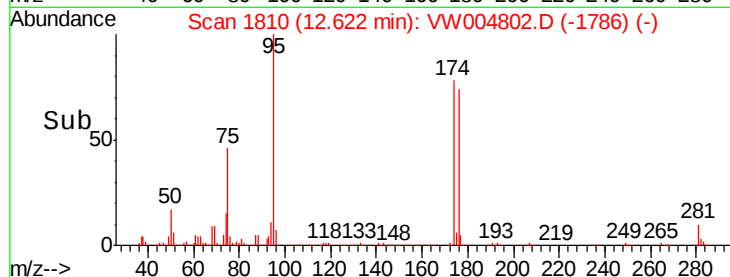
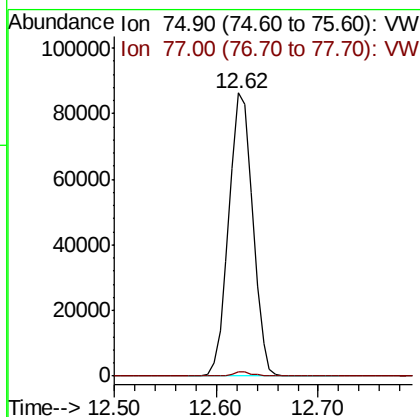
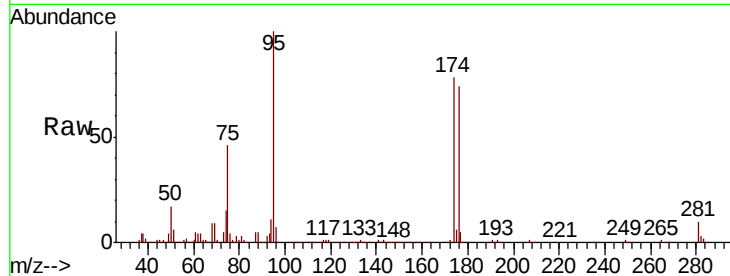




#76
 1,2,3-Trichloropropane
 Concen: 55.227 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004802.D
 Acq: 20 Aug 2018 20:02

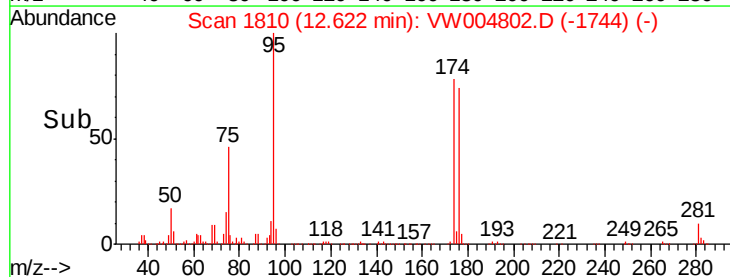
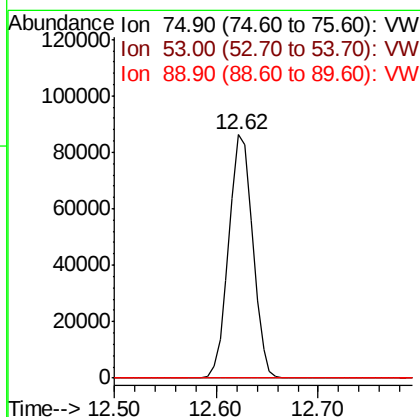
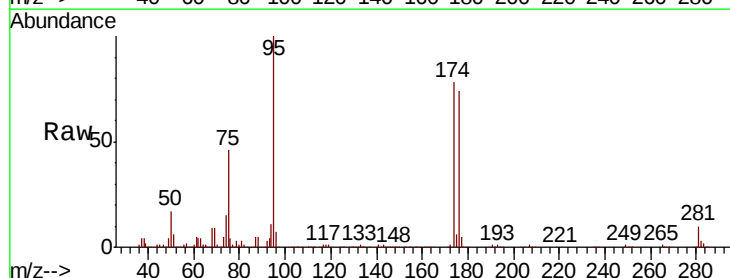
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)

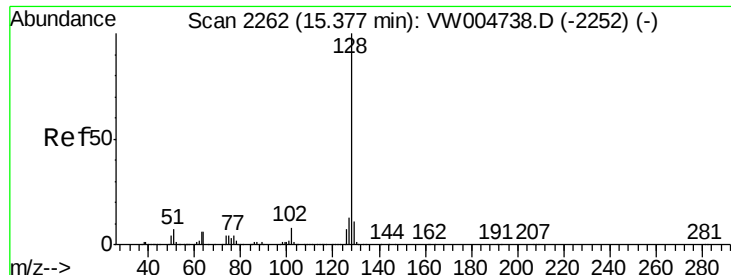
Tgt Ion: 75 Resp: 140288
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.363 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004802.D
 Acq: 20 Aug 2018 20:02

Tgt Ion: 75 Resp: 140288
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.2 108.4#
 89 0.1 35.2 52.8#





#95
Naphthalene
Concen: 3.554 ug/l
RT: 15.37 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VW004802.D
Acq: 20 Aug 2018 20:02

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.4	15.6#
129	9.9	8.6	13.0

