

Data File : VW004848.D
Acq On : 21 Aug 2018 18:11
Operator : SY/AP
Sample : J4499-05RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 22 05:19:47 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	512877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	822281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	686079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	245902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	301288	60.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.52%	
35) Dibromofluoromethane	7.89	113	275787	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	10.33	98	895792	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
62) 4-Bromofluorobenzene	12.62	95	248619	33.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.38%	

Target Compounds

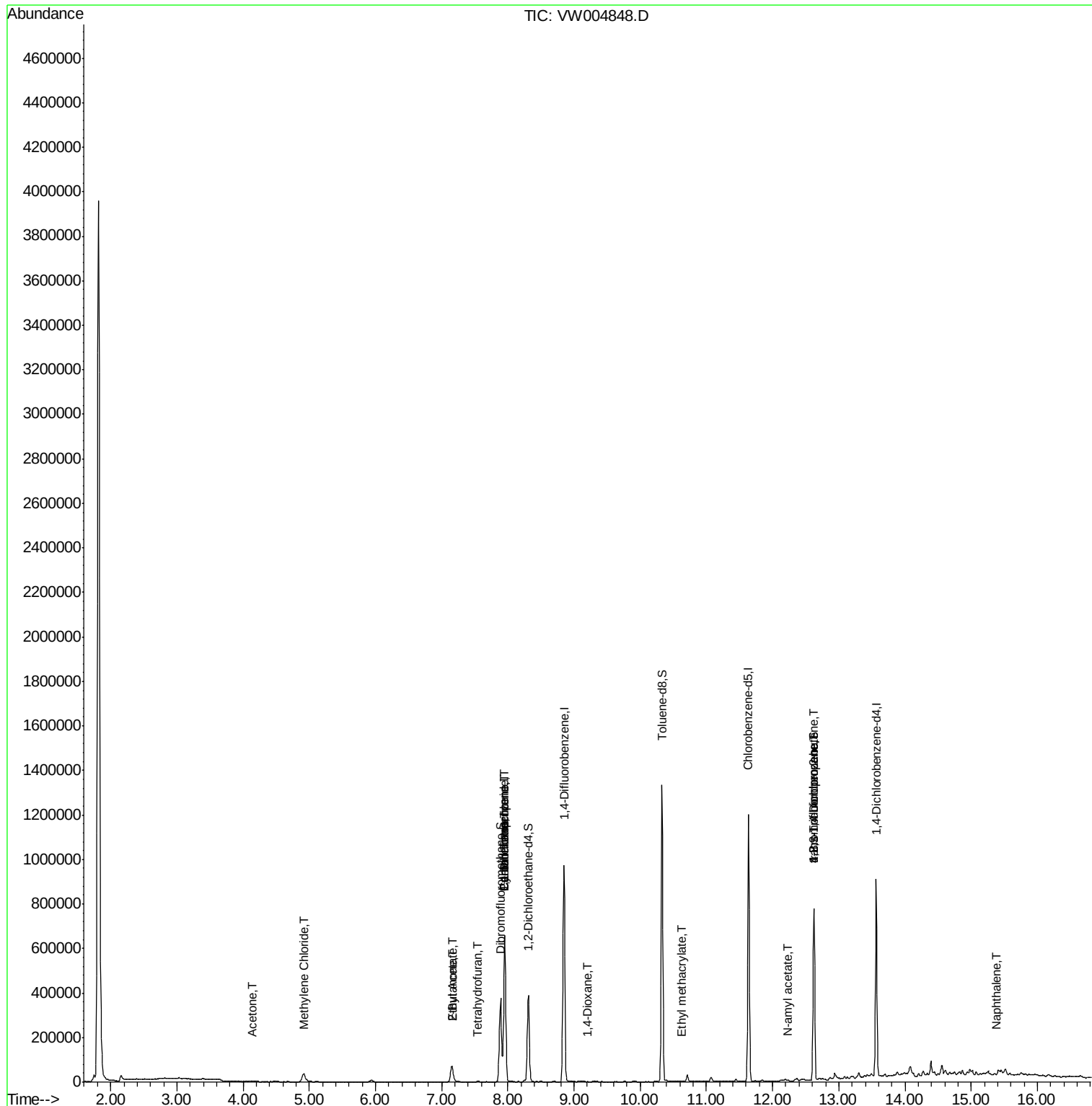
						Qvalue
16) Acetone	4.14	43	5490	4.337	ug/l #	87
20) Methylene Chloride	4.92	84	32715	1.472	ug/l	95
25) 2-Butanone	7.15	43	4240	2.351	ug/l #	85
29) Tetrahydrofuran	7.54	42	1377	1.497	ug/l #	91
31) Cyclohexane	7.95	56	10162	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	38435	4.537	ug/l #	48
37) Ethyl Acetate	7.15	43	4240	1.256	ug/l #	1
38) Carbon Tetrachloride	7.95	117	47132	6.045	ug/l #	17
49) 1,4-Dioxane	9.20	88	45	1.032	ug/l #	1
56) Ethyl methacrylate	10.62	69	282	3.028	ug/l #	48
74) N-amyl acetate	12.24	43	852	4.219	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	120544	55.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	120544	129.252	ug/l #	14
95) Naphthalene	15.38	128	1170	3.615	ug/l #	77

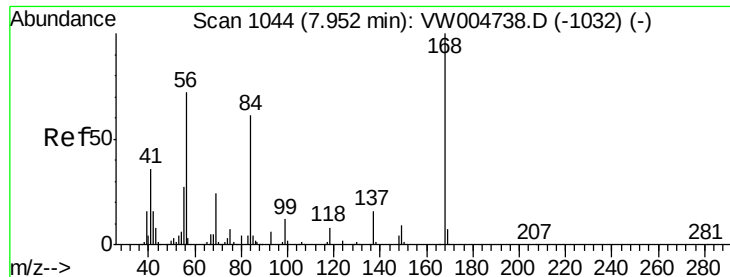
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004848.D

Acq: 21 Aug 2018 18:11

Instrument :

MSVOA_W

ClientSampled :

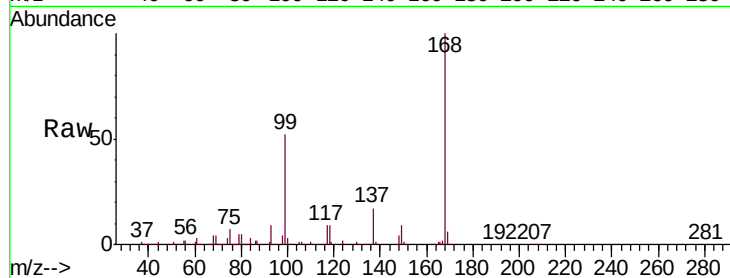
LSB-05(0-1)RE

Tgt Ion:168 Resp: 512877

Ion Ratio Lower Upper

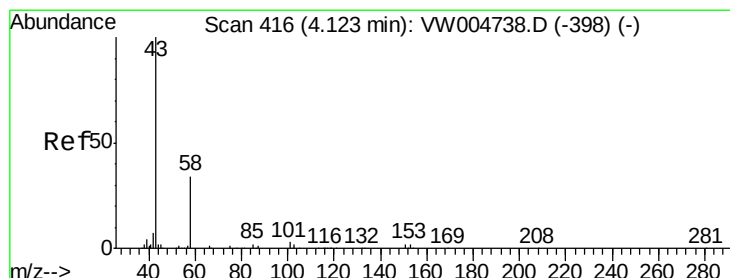
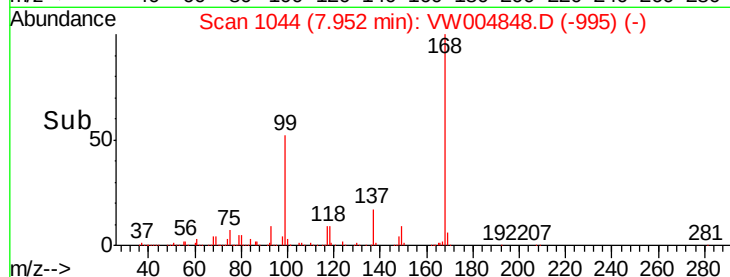
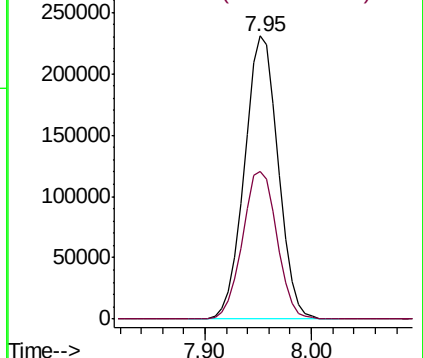
168 100

99 52.3 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 4.337 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004848.D

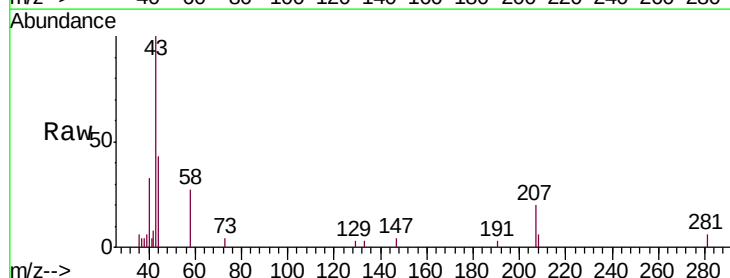
Acq: 21 Aug 2018 18:11

Tgt Ion: 43 Resp: 5490

Ion Ratio Lower Upper

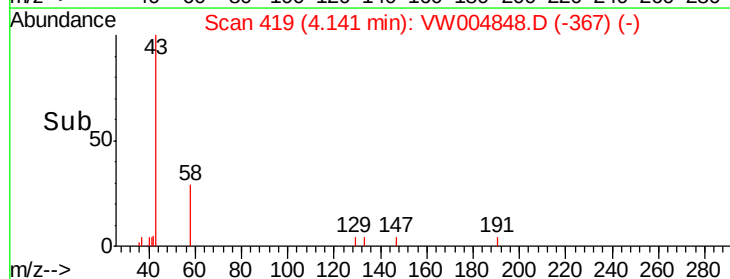
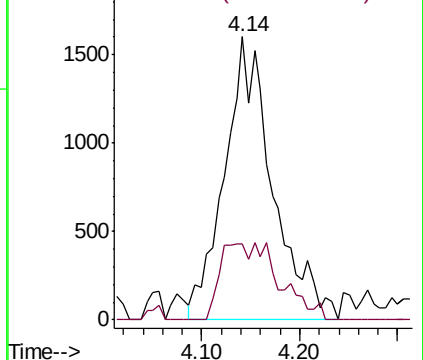
43 100

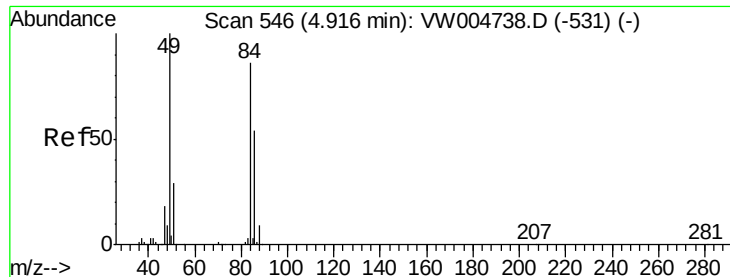
58 26.8 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

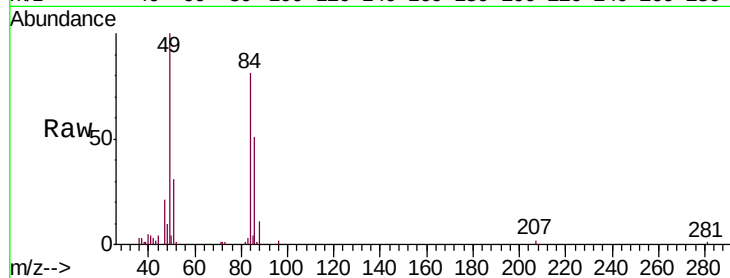




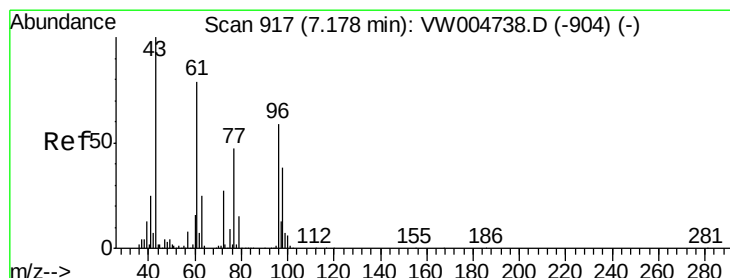
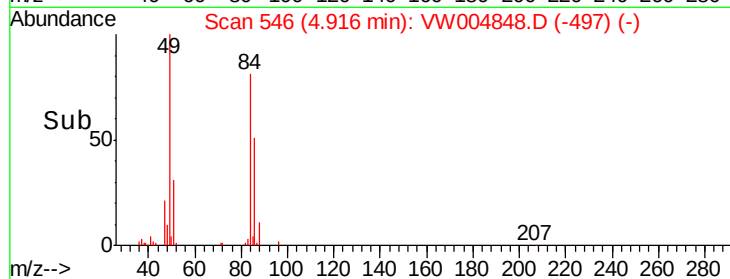
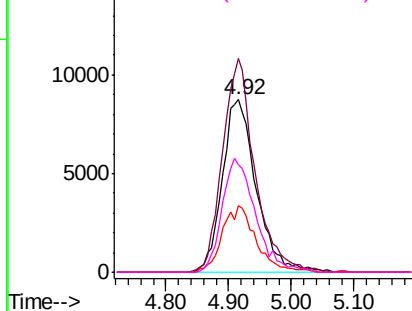
#20
Methylene Chloride
Concen: 1.472 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

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

Tgt Ion:	84	Resp:	32715
Ion	Ratio	Lower	Upper
84	100		
49	123.9	93.2	139.8
51	38.4	27.4	41.0
86	62.7	50.6	75.8

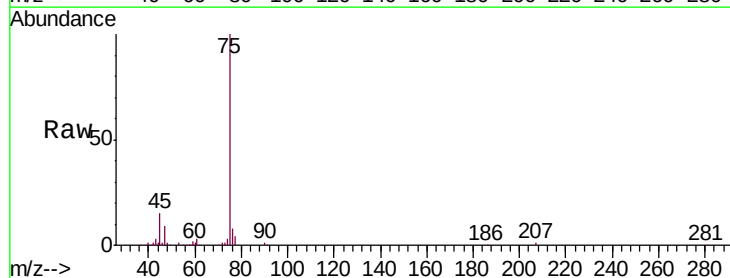


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

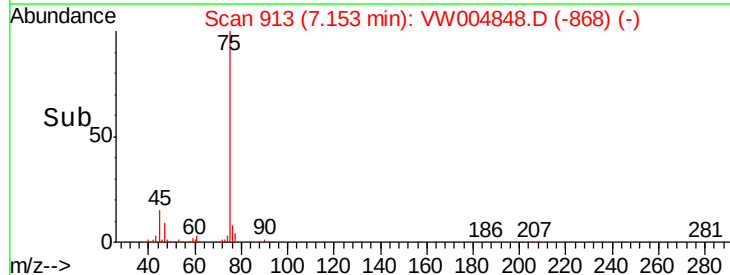
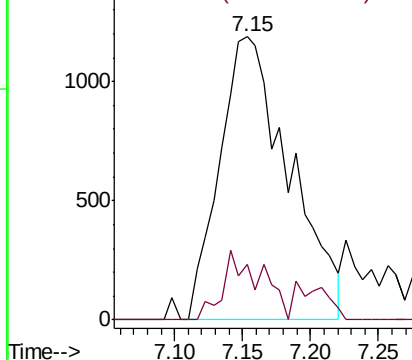


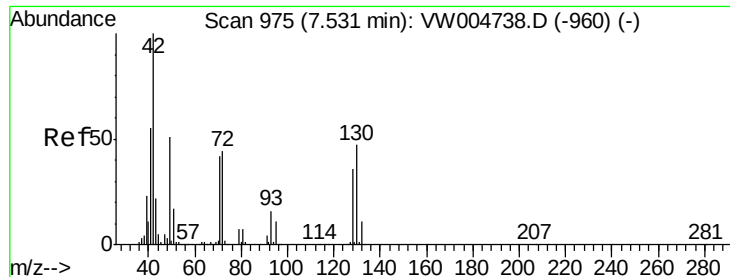
#25
2-Butanone
Concen: 2.351 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

Tgt Ion:	43	Resp:	4240
Ion	Ratio	Lower	Upper
43	100		
72	19.8	22.0	33.0#



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

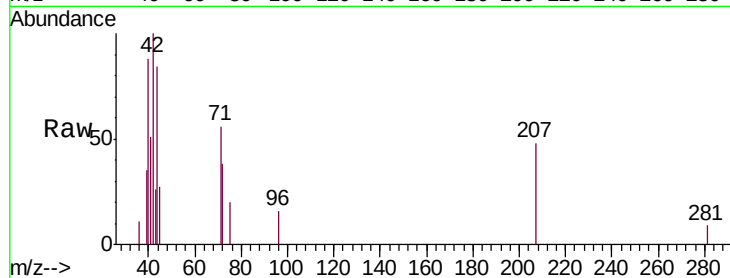




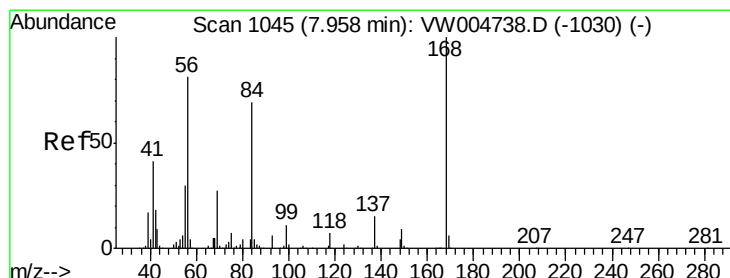
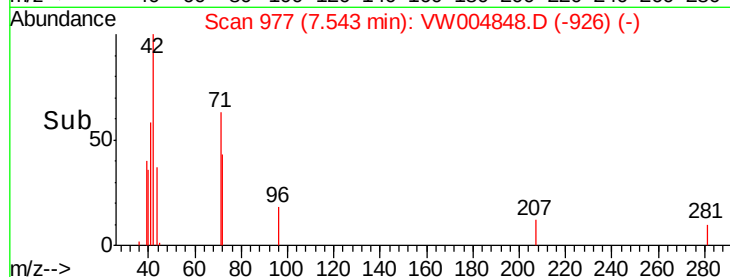
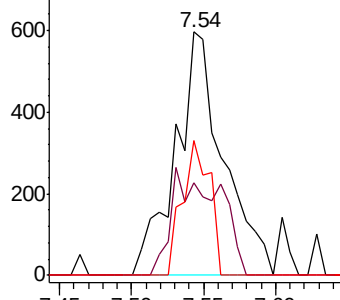
#29
Tetrahydrofuran
Concen: 1.497 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

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

Tgt Ion: 42 Resp: 1377
Ion Ratio Lower Upper
42 100
72 43.7 34.9 52.3
71 31.2 33.8 50.6#

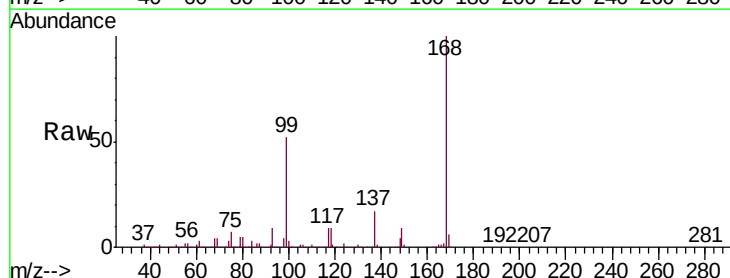


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

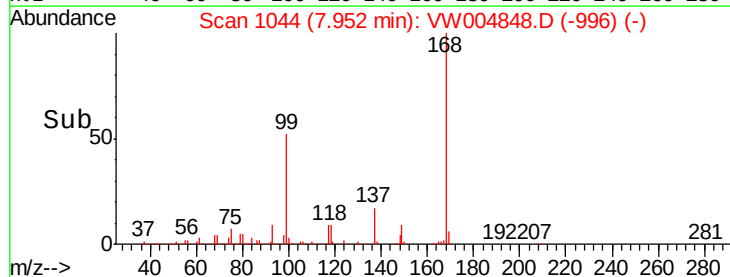
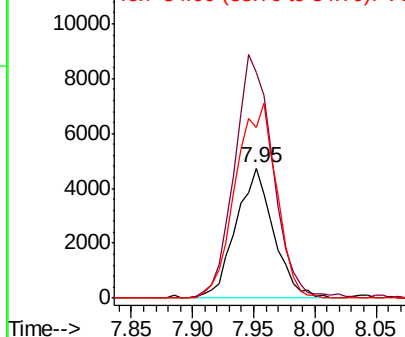


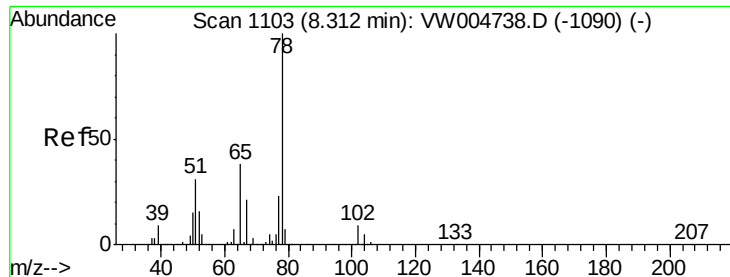
#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

Tgt Ion: 56 Resp: 10162
Ion Ratio Lower Upper
56 100
69 174.1 27.1 40.7#
84 131.8 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

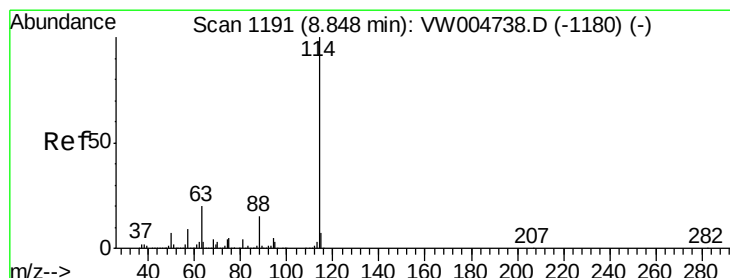
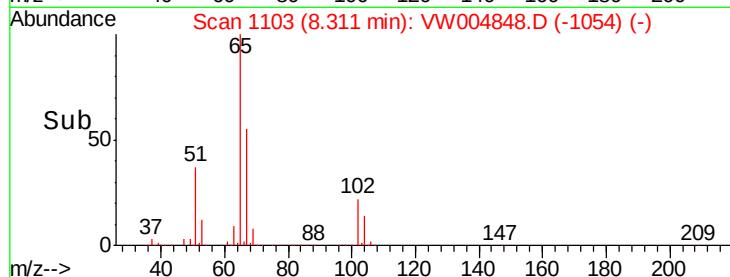
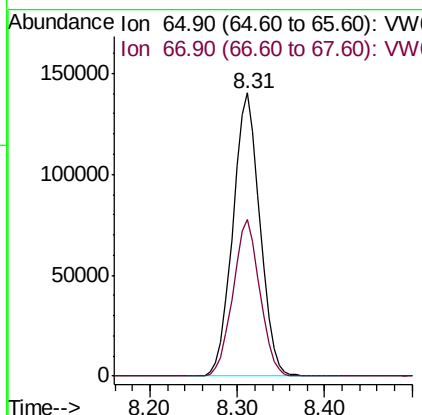
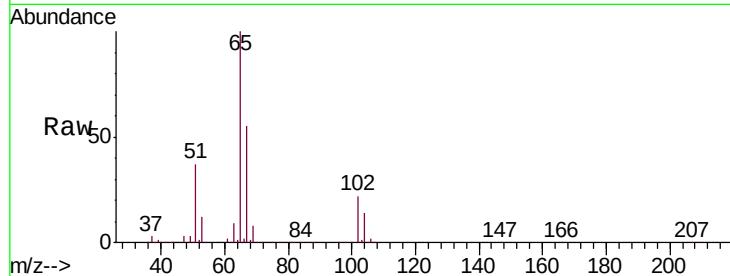




#33
 1,2-Dichloroethane-d4
 Concen: 60.762 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004848.D
 Acq: 21 Aug 2018 18:11

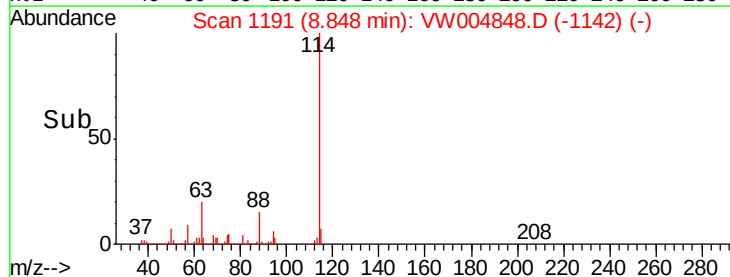
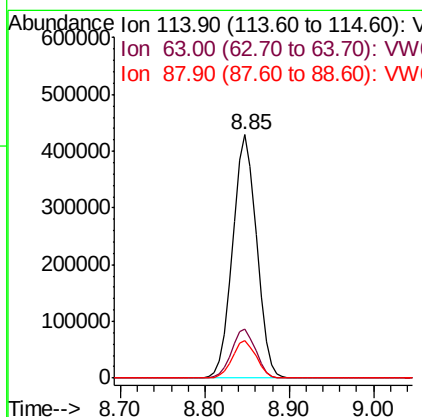
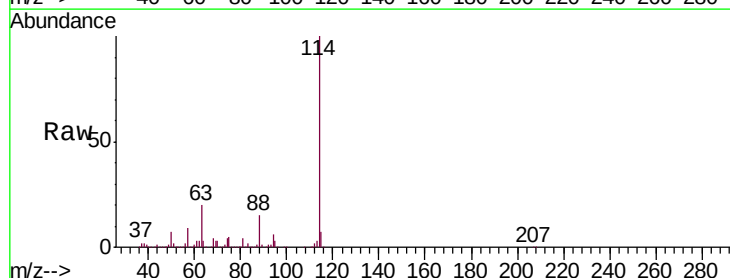
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-05(0-1)RE

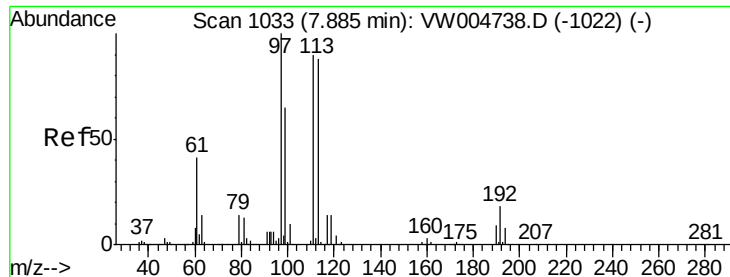
Tgt Ion: 65 Resp: 301288
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004848.D
 Acq: 21 Aug 2018 18:11

Tgt Ion: 114 Resp: 822281
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.4 0.0 30.0

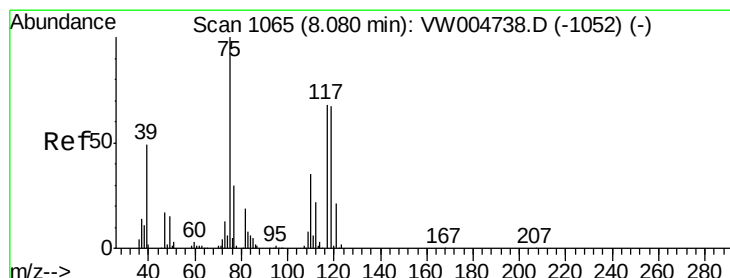
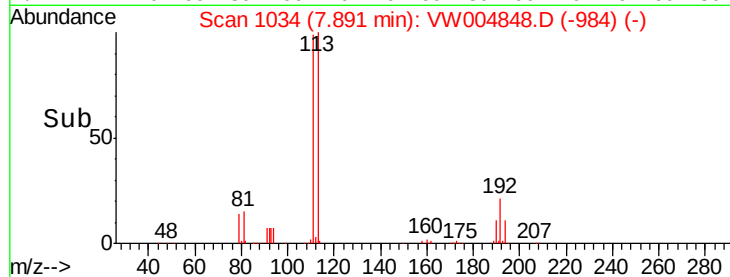
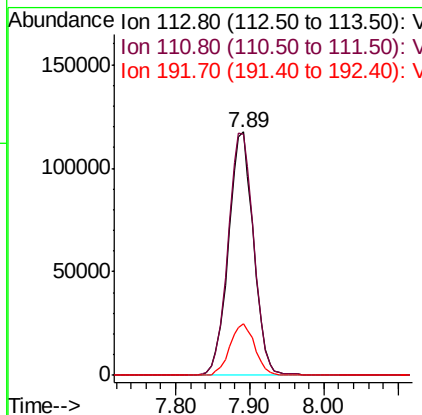
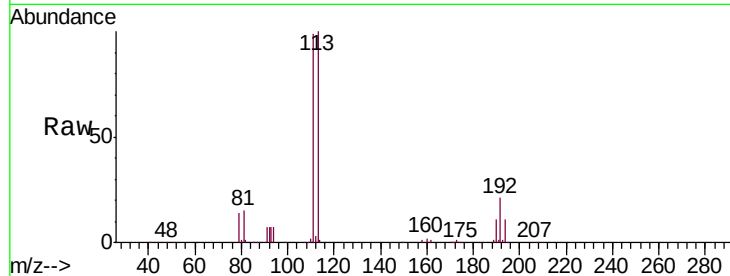




#35
 Dibromofluoromethane
 Concen: 52.476 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004848.D
 Acq: 21 Aug 2018 18:11

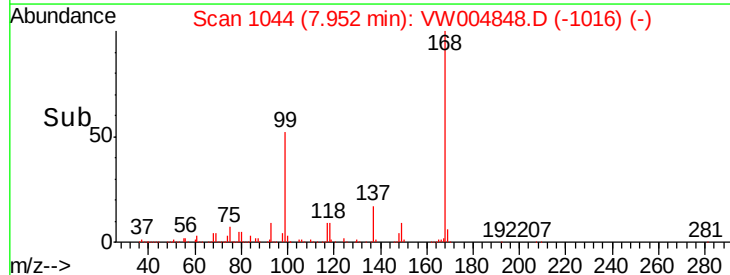
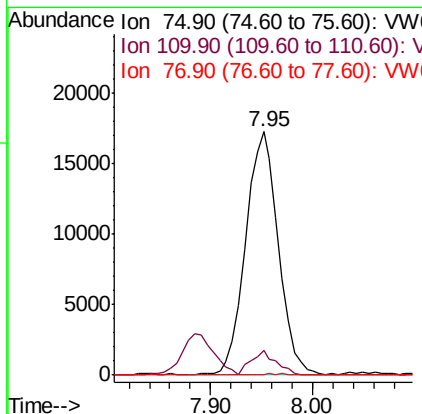
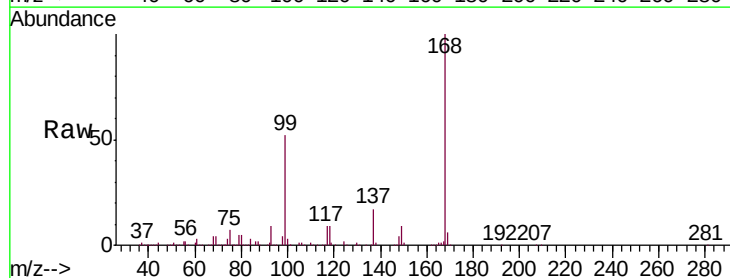
Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-05(0-1)RE

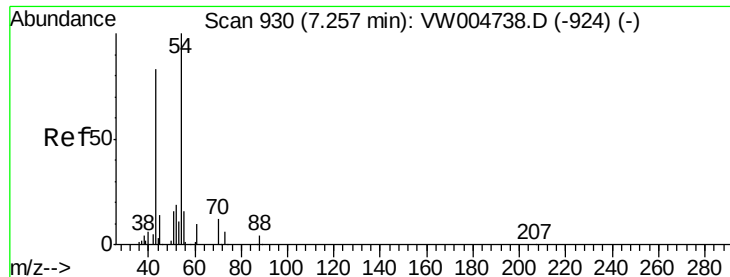
Tgt Ion: 113 Resp: 275787
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.0 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.537 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004848.D
 Acq: 21 Aug 2018 18:11

Tgt Ion: 75 Resp: 38435
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.5#
 77 0.4 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.256 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)RE

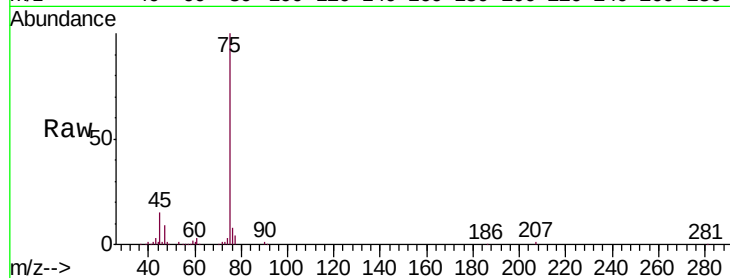
Tgt Ion: 43 Resp: 4240

Ion Ratio Lower Upper

43 100

61 102.5 11.6 17.4#

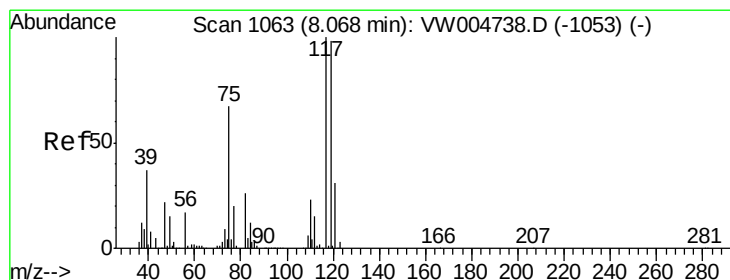
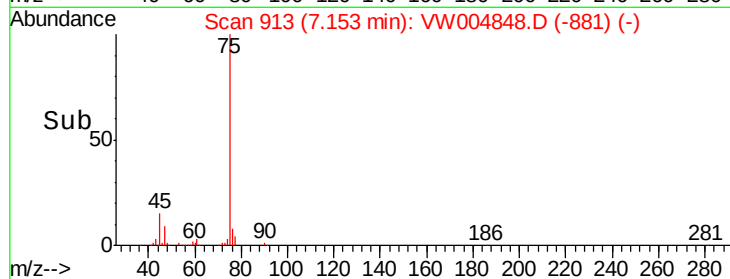
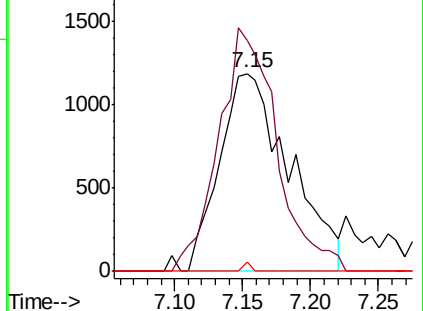
70 0.5 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

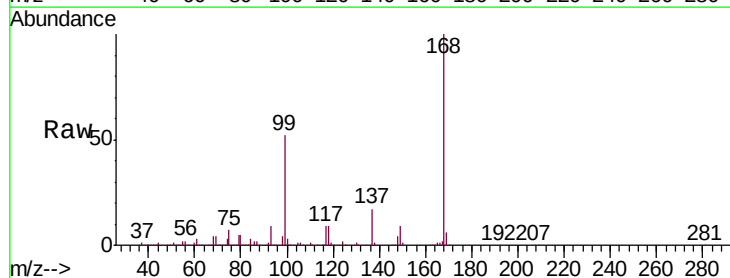
Tgt Ion: 117 Resp: 47132

Ion Ratio Lower Upper

117 100

119 7.2 78.0 117.0#

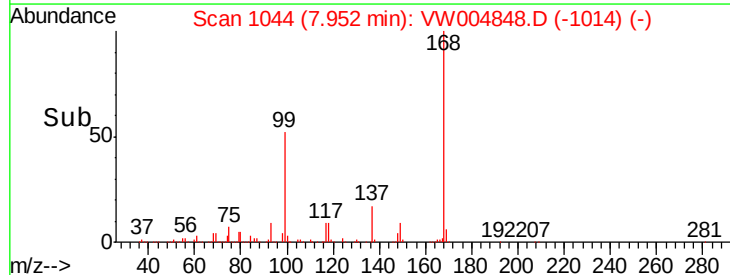
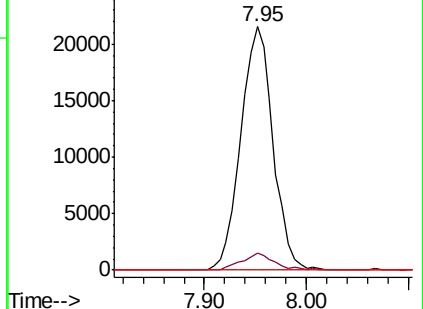
121 0.0 24.8 37.2#

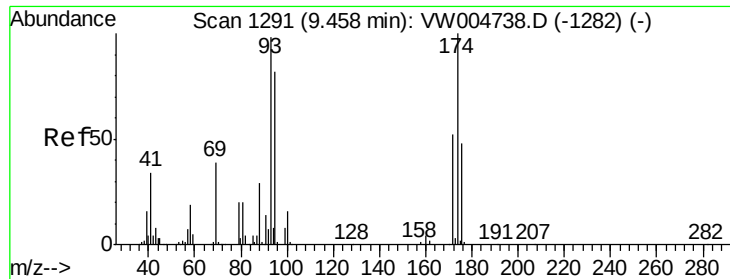


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

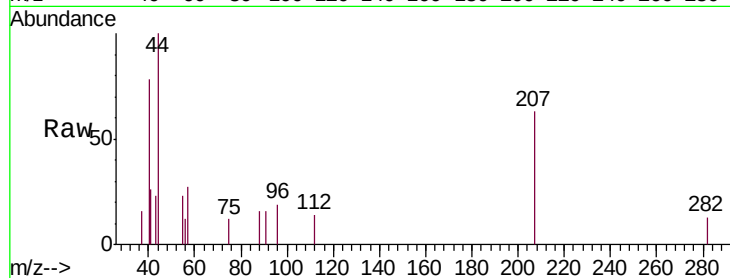




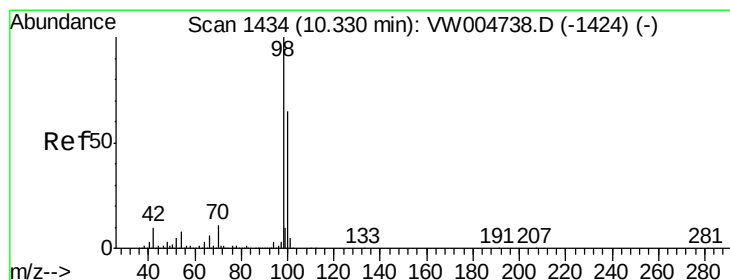
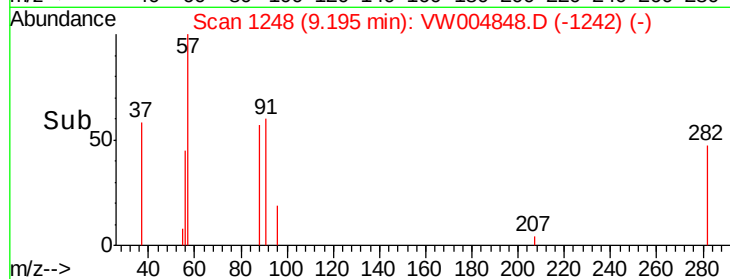
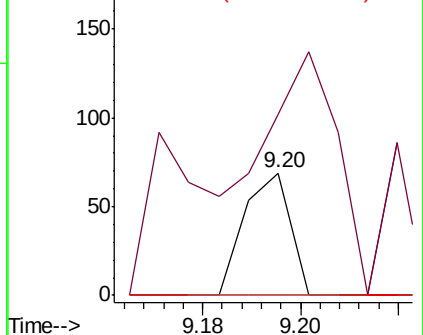
#49
1,4-Dioxane
Concen: 1.032 ug/l
RT: 9.20 min Scan# 1248
Delta R.T. -0.26 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

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

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 324.4 22.9 34.3#
58 0.0 60.0 90.0#

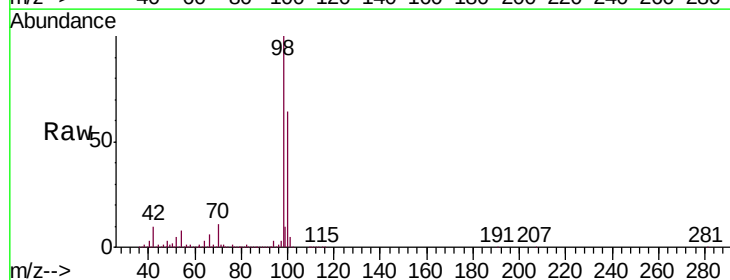


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

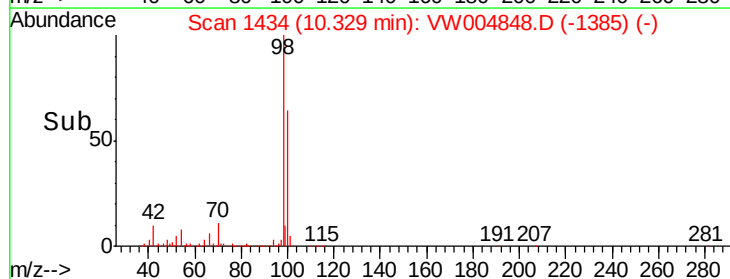
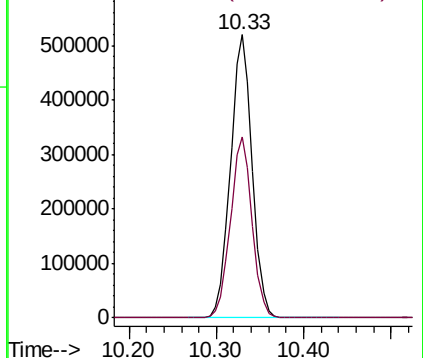


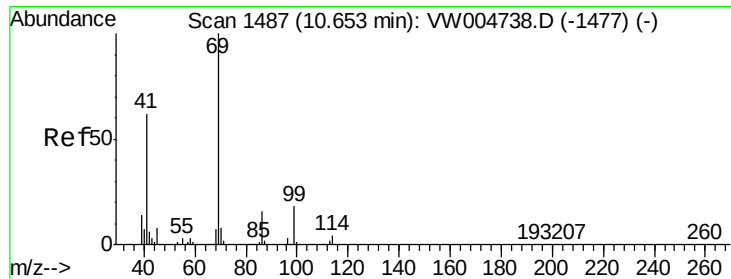
#50
Toluene-d8
Concen: 43.665 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

Tgt Ion: 98 Resp: 895792
Ion Ratio Lower Upper
98 100
100 63.5 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: 3.028 ug/l

RT: 10.62 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)RE

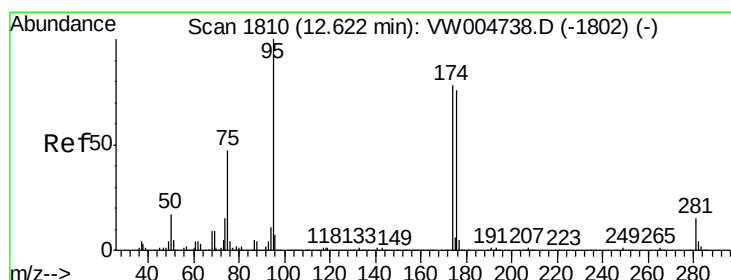
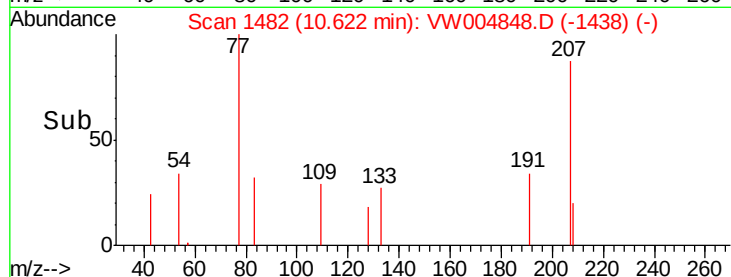
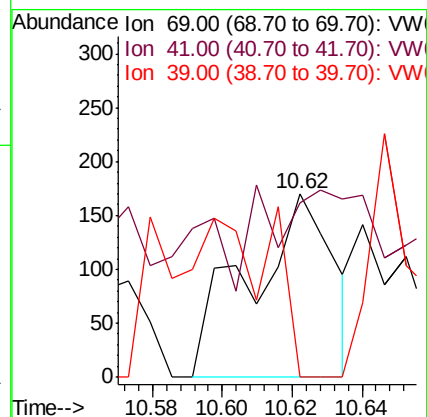
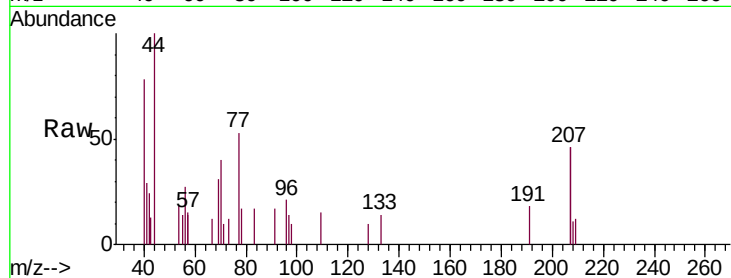
Tgt Ion: 69 Resp: 282

Ion Ratio Lower Upper

69 100

41 67.4 50.7 76.1

39 110.6 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 33.686 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

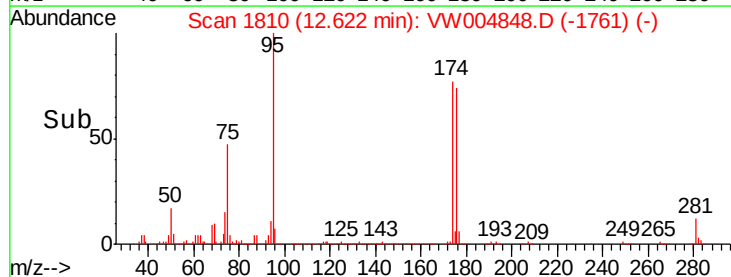
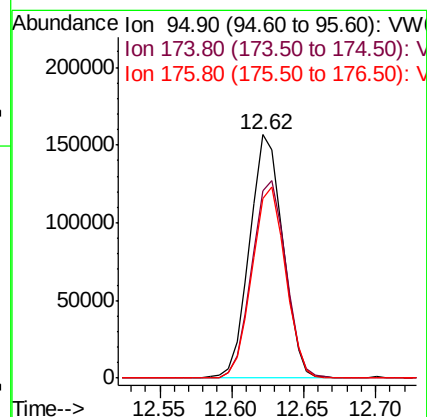
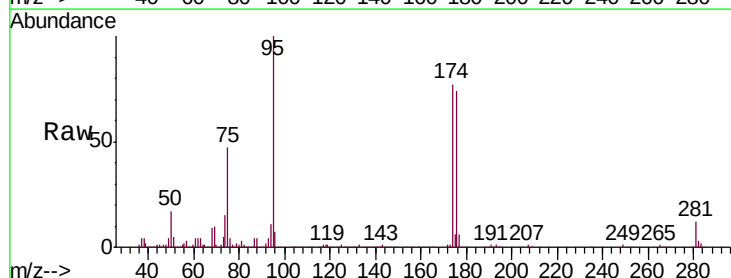
Tgt Ion: 95 Resp: 248619

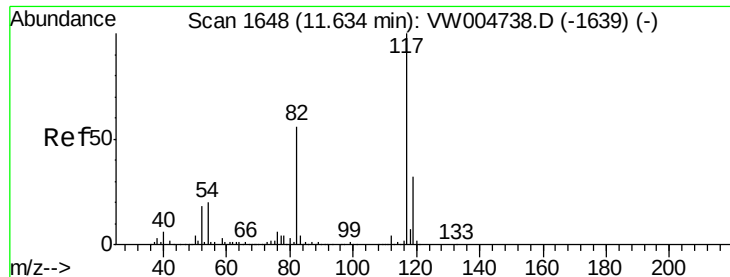
Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

176 79.8 0.0 159.8

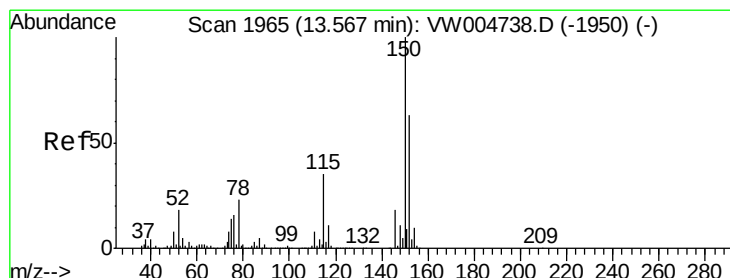
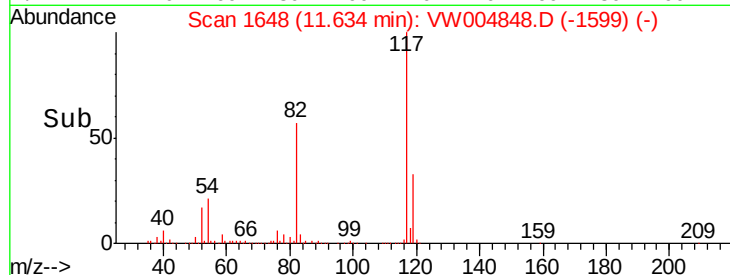
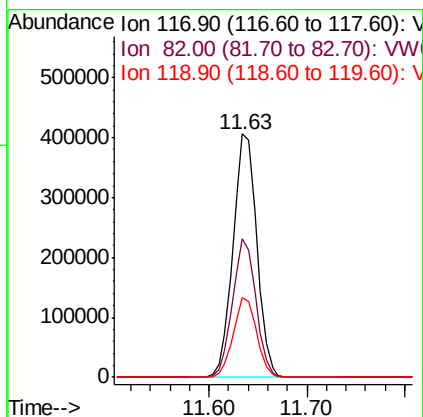
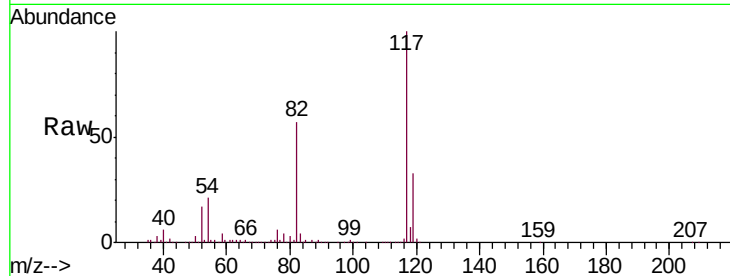




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

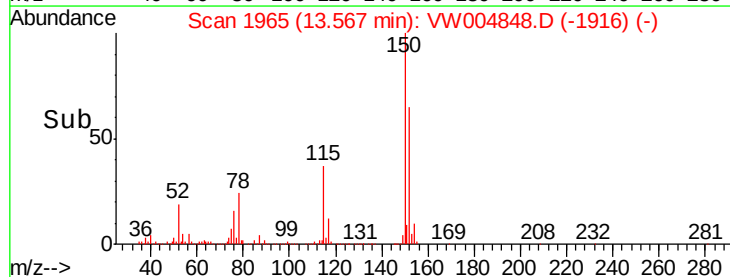
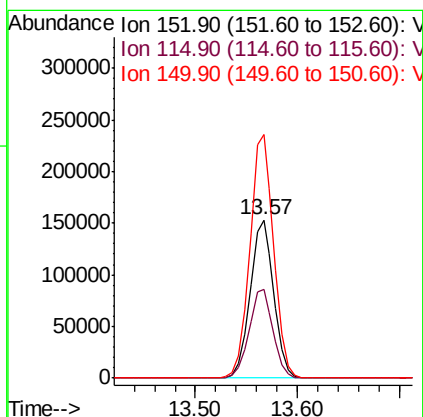
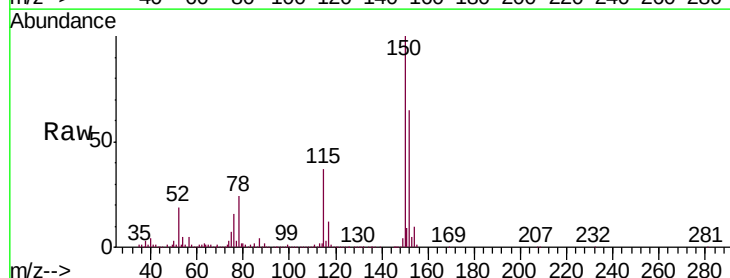
Instrument :
MSVOA_W
ClientSampleId :
LSB-05(0-1)RE

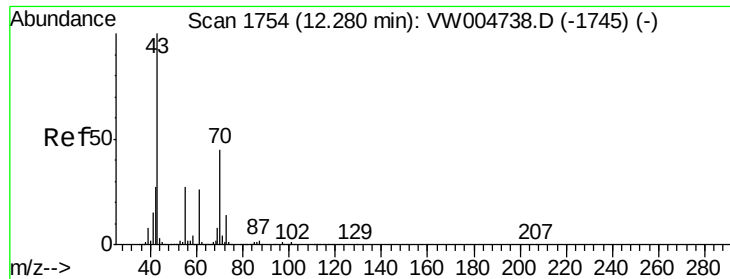
Tgt Ion:117 Resp: 686079
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004848.D
Acq: 21 Aug 2018 18:11

Tgt Ion:152 Resp: 245902
Ion Ratio Lower Upper
152 100
115 56.7 28.5 85.5
150 155.4 0.0 344.8





#74

N-amyI acetate

Concen: 4.219 ug/l

RT: 12.24 min Scan# 1747

Delta R.T. -0.04 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)RE

Tgt Ion: 43 Resp: 852

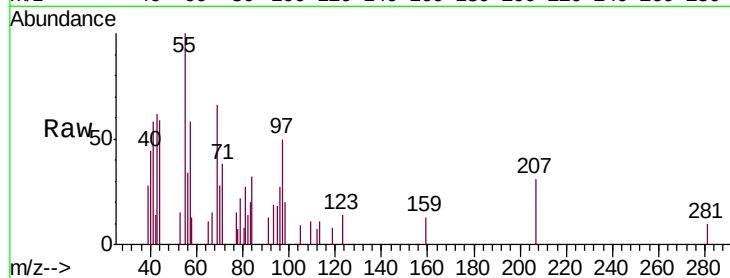
Ion Ratio Lower Upper

43 100

70 61.2 36.3 54.5#

55 72.8 22.6 33.8#

61 0.0 20.2 30.4#

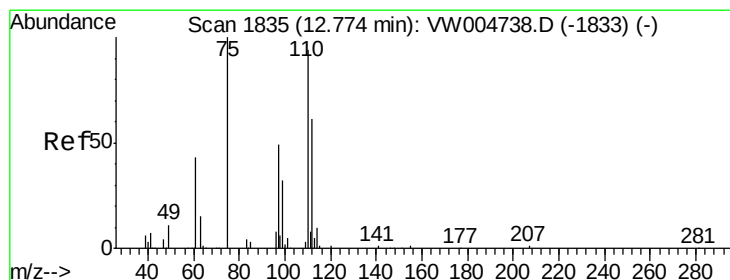
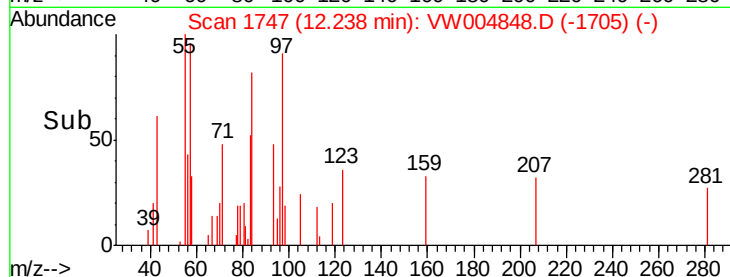
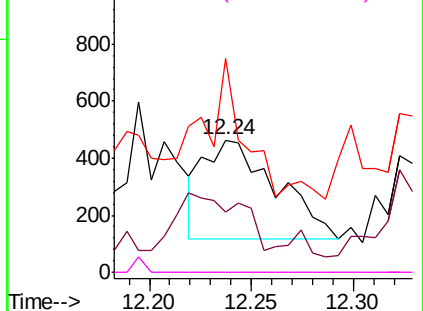


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 55.610 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004848.D

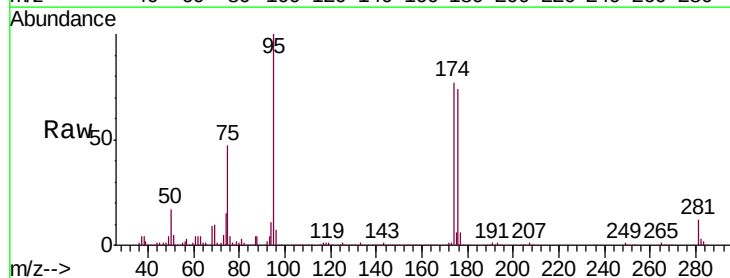
Acq: 21 Aug 2018 18:11

Tgt Ion: 75 Resp: 120544

Ion Ratio Lower Upper

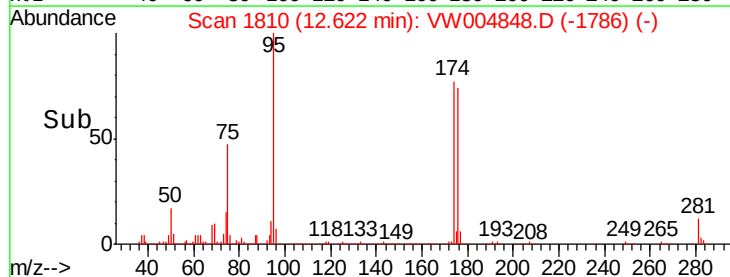
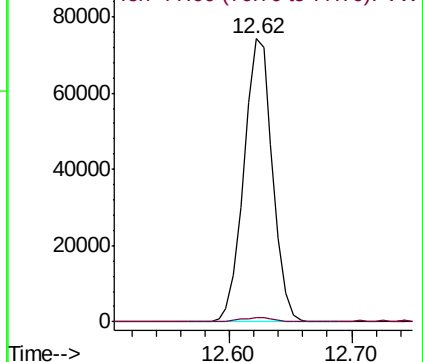
75 100

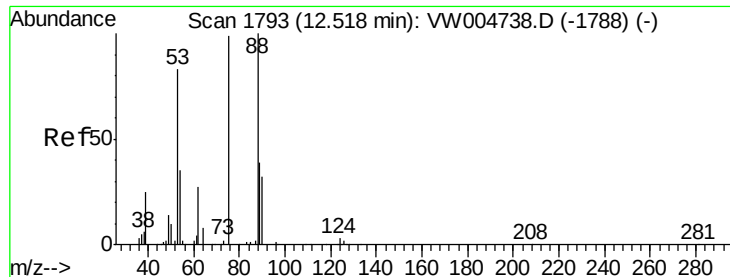
77 1.6 0.0 0.0#



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: 129.252 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

LSB-05(0-1)RE

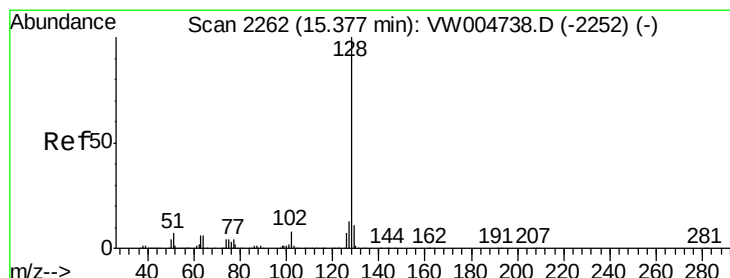
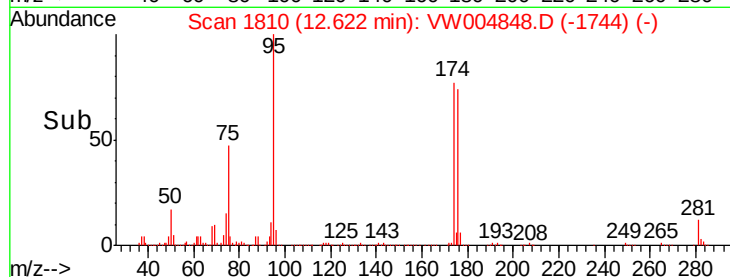
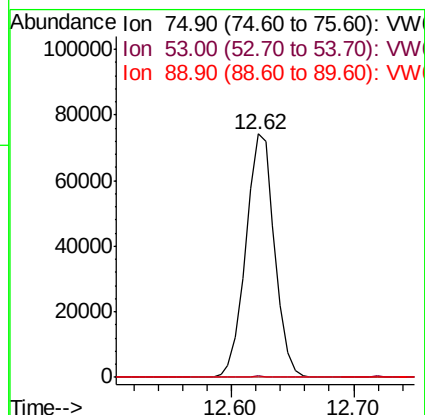
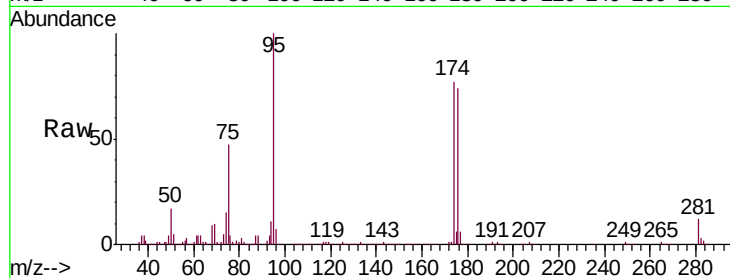
Tgt Ion: 75 Resp: 120544

Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

89 0.1 35.2 52.8#



#95

Naphthalene

Concen: 3.615 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004848.D

Acq: 21 Aug 2018 18:11

Tgt Ion: 128 Resp: 1170

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 28.8 8.6 13.0#

