

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059887.D
 Acq On : 23 Aug 2018 14:42
 Operator : JC/SY
 Sample : J4559-04RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-75-048RE

Quant Time: Aug 24 05:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	757589	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1036944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	611880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	190140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	413937	64.83	ug/l	-0.02
Spiked Amount			Recovery	=	129.66%	
35) Dibromofluoromethane	6.31	113	386440	47.53	ug/l	-0.02
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	9.44	98	1146202	50.80	ug/l	-0.02
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.43	95	306711	33.47	ug/l	0.00
Spiked Amount			Recovery	=	66.94%	

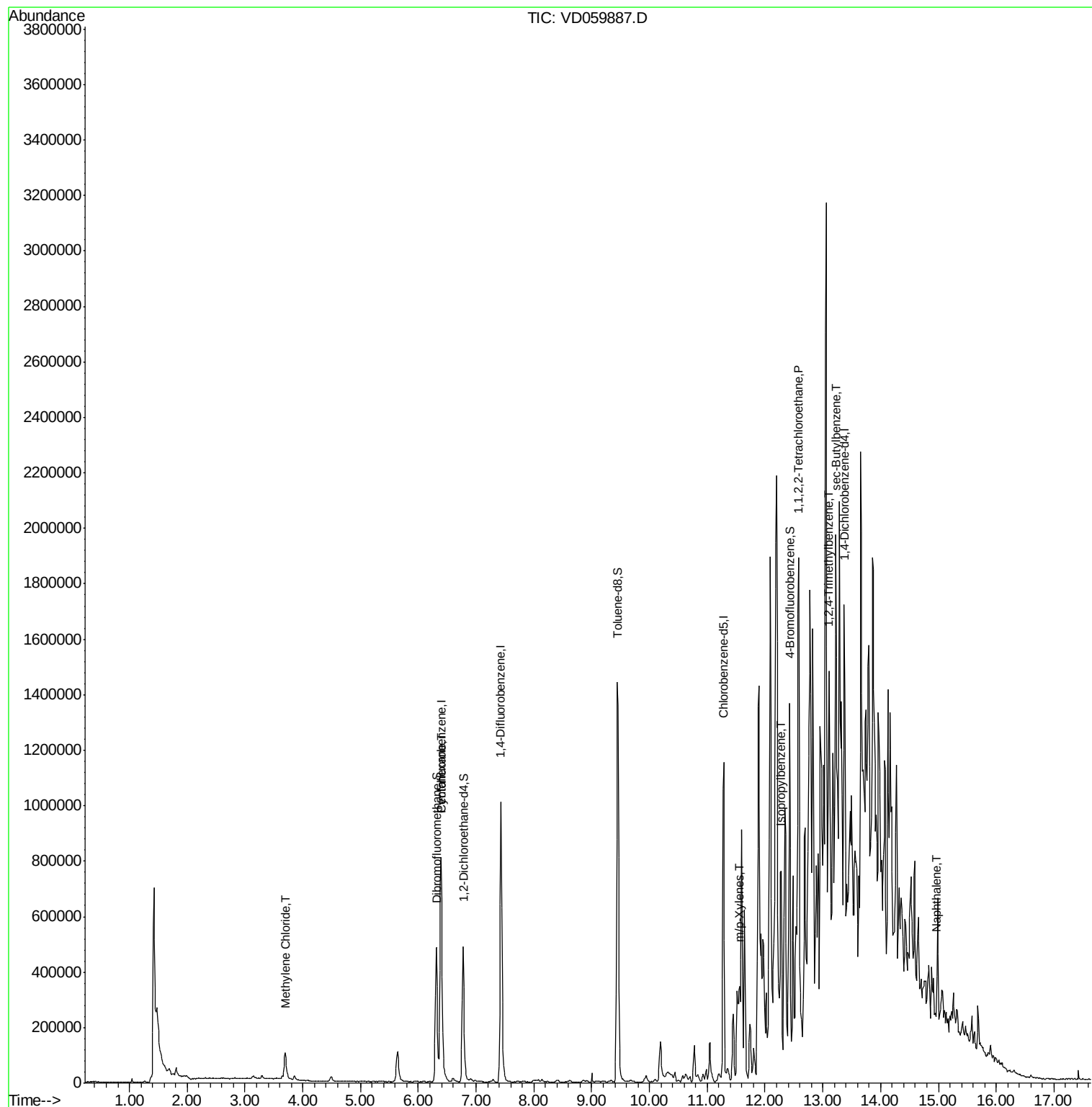
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.70	84	53478	3.42	ug/l	98
31) Cyclohexane	6.38	56	16527	1.36	ug/l #	1
68) m/p-Xylenes	11.56	106	25294	3.40	ug/l #	70
73) Isopropylbenzene	12.28	105	46293	3.81	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	105869	37.71	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.09	105	11819	1.18	ug/l	96
85) sec-Butylbenzene	13.22	105	49041	3.79	ug/l	98
95) Naphthalene	14.96	128	10168	1.52	ug/l #	83

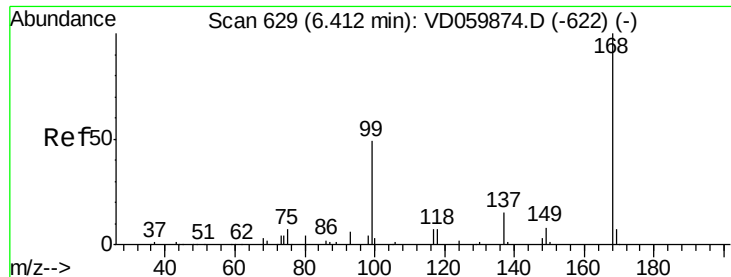
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Instrument :

MSVOA_D

ClientSampleId :

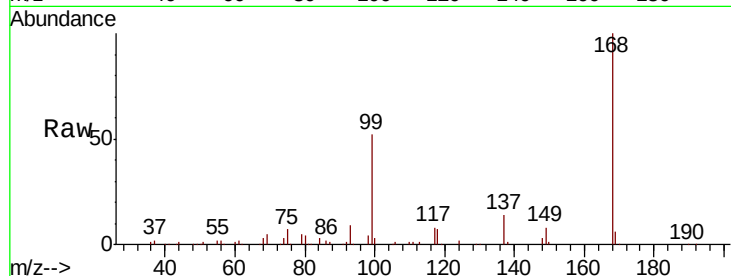
RA-081718-SSW-75-048RE

Tot Ion:168 Resp: 757589

Ion Ratio Lower Upper

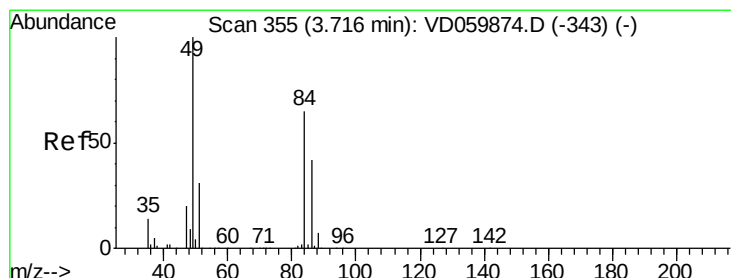
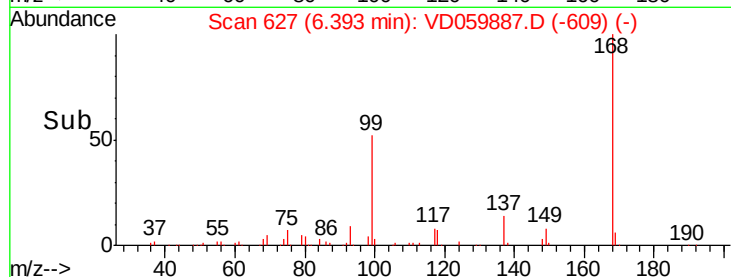
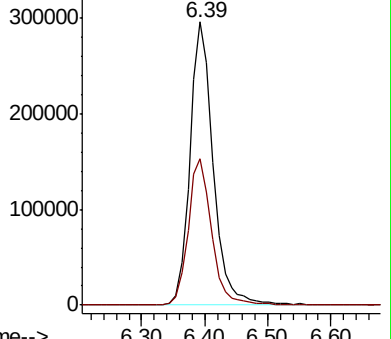
168 100

99 51.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 3.42 ug/l

RT: 3.70 min Scan# 353

Delta R.T. -0.02 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Tgt Ion: 84 Resp: 53478

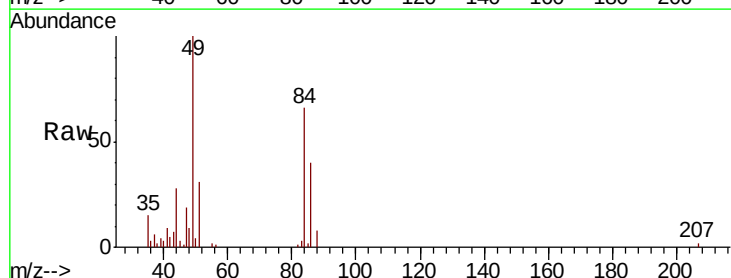
Ion Ratio Lower Upper

84 100

49 151.3 122.6 183.8

51 47.6 38.4 57.6

86 60.9 51.5 77.3

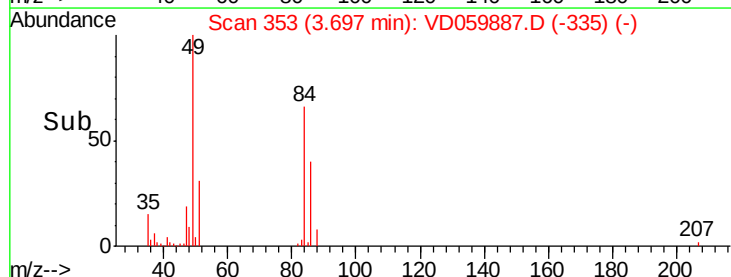
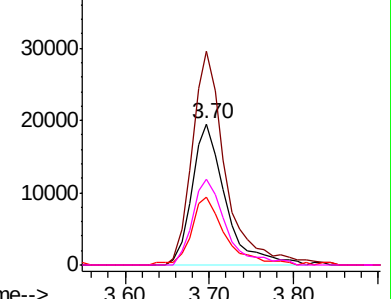


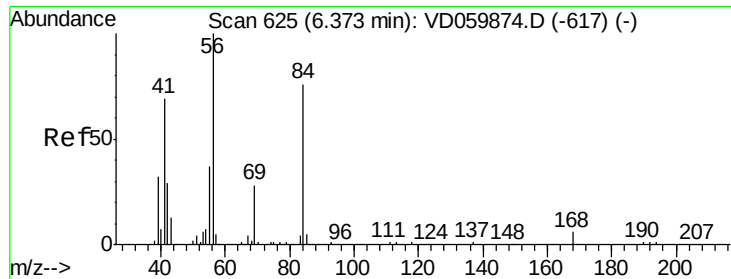
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

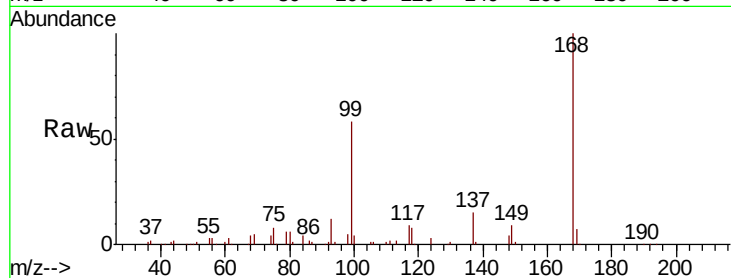




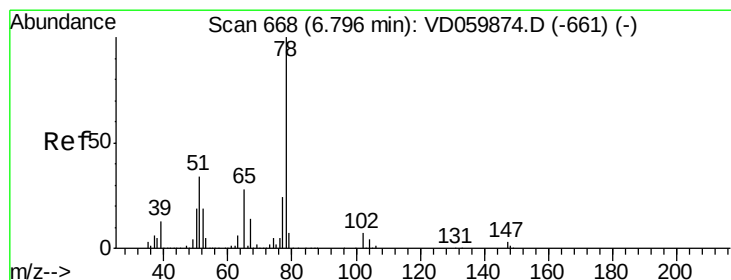
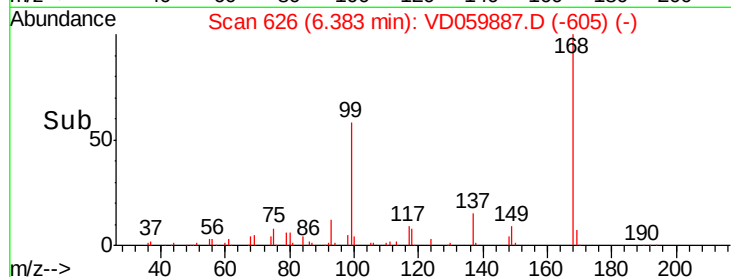
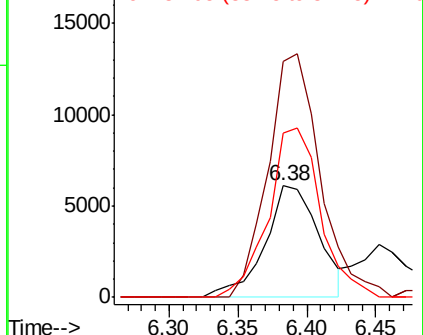
#31
Cyclohexane
Concen: 1.36 ug/l
RT: 6.38 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-75-048RE

Tot Ion: 56 Resp: 16527
Ion Ratio Lower Upper
56 100
69 212.2 22.4 33.6#
84 147.9 62.1 93.1#

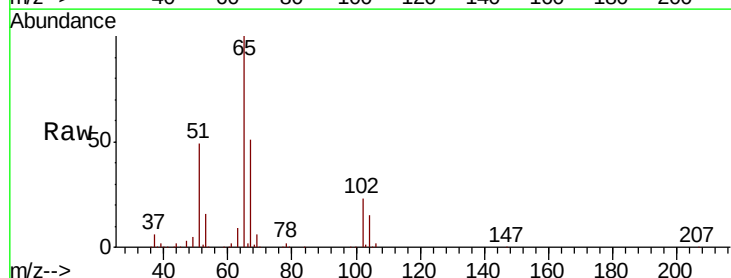


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

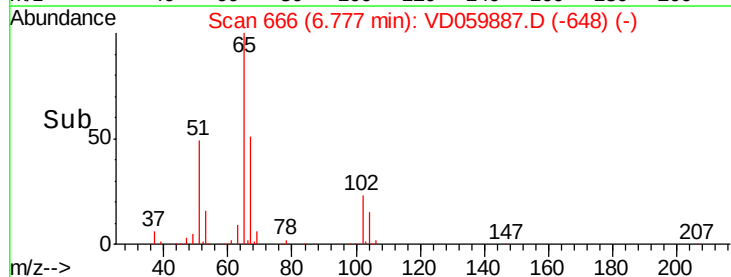
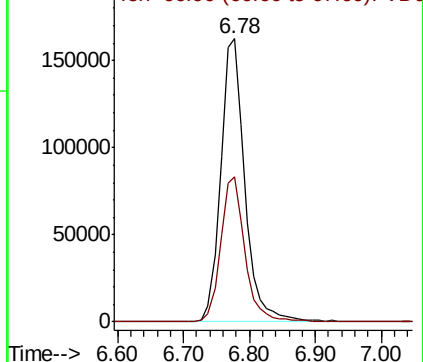


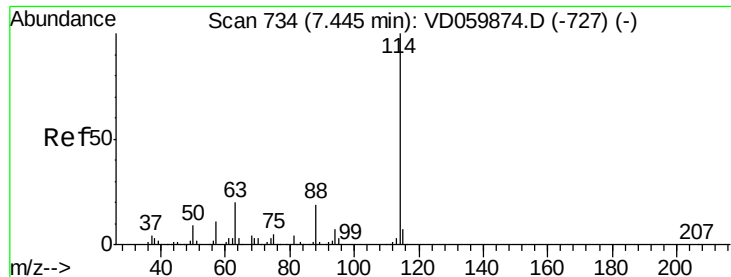
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.02 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

Tgt Ion: 65 Resp: 413937
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-75-048RE

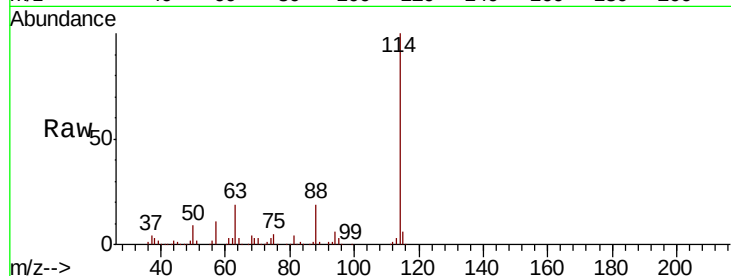
Tot Ion:114 Resp: 1036944

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

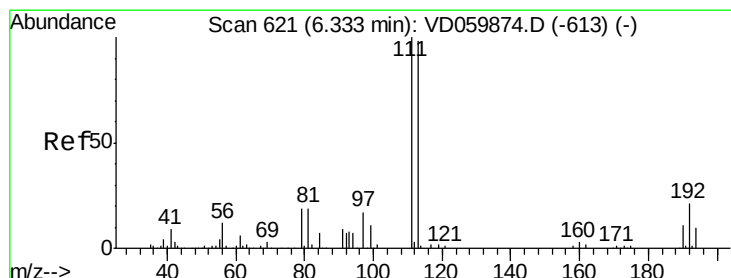
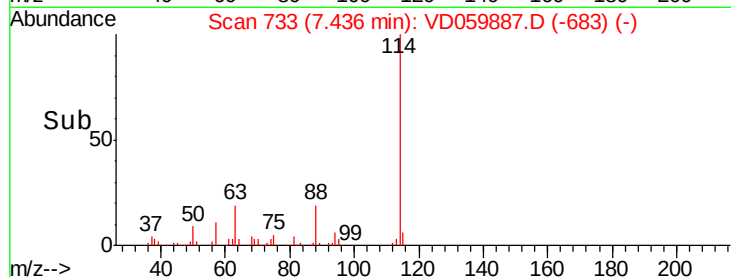
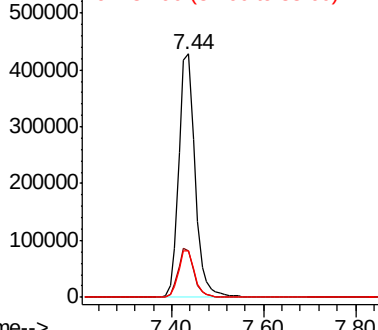
88 19.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 619

Delta R.T. -0.02 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

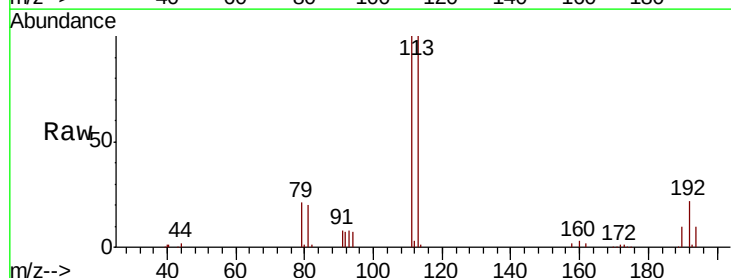
Tgt Ion:113 Resp: 386440

Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.2

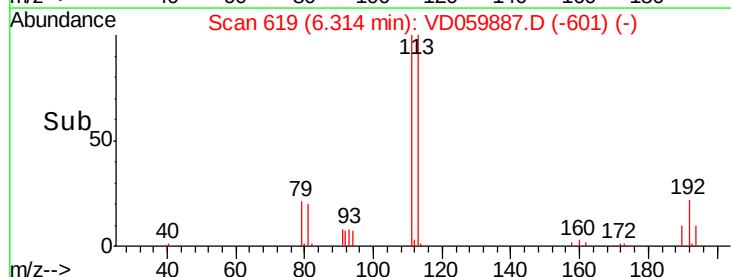
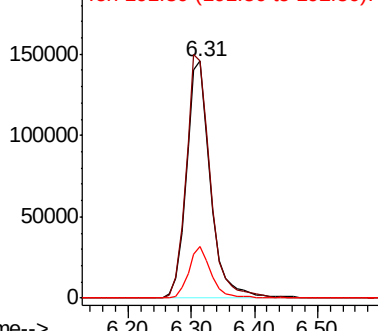
192 21.8 17.0 25.6

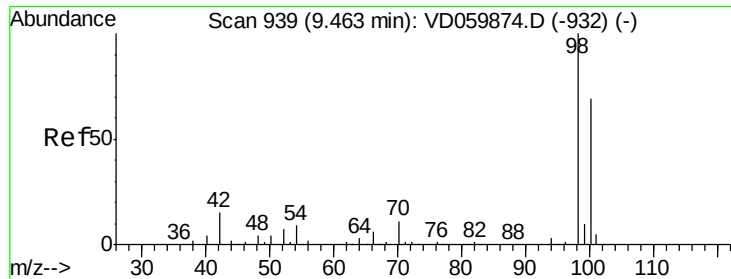


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

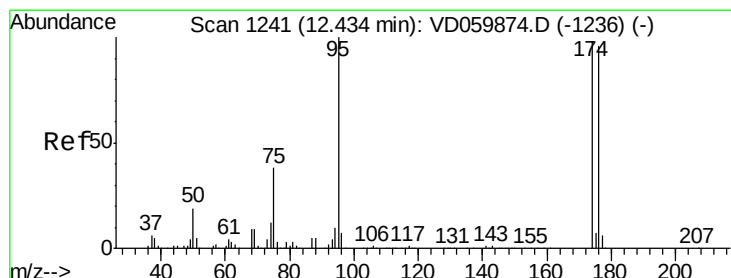
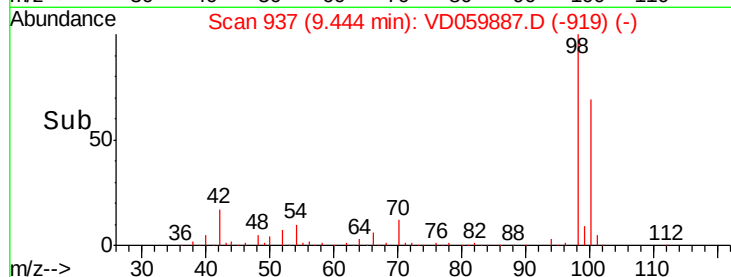
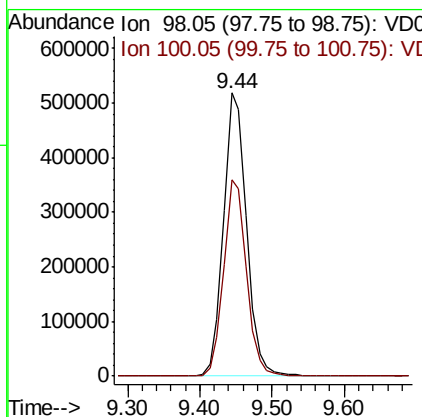
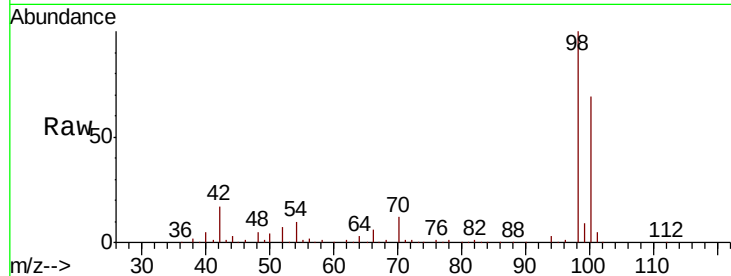




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

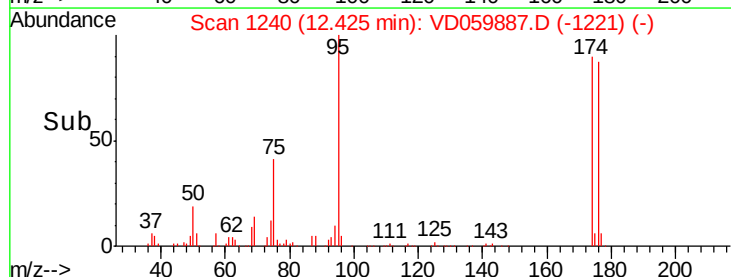
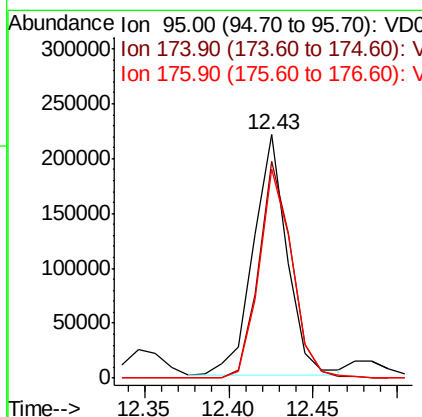
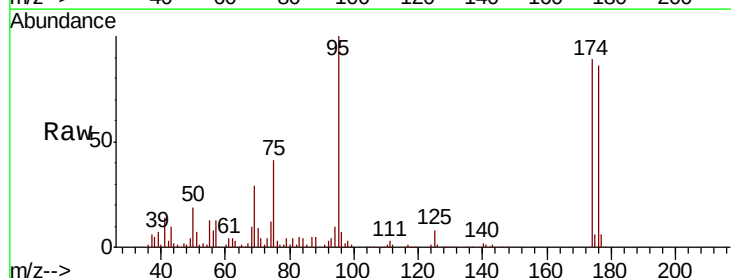
Instrument :
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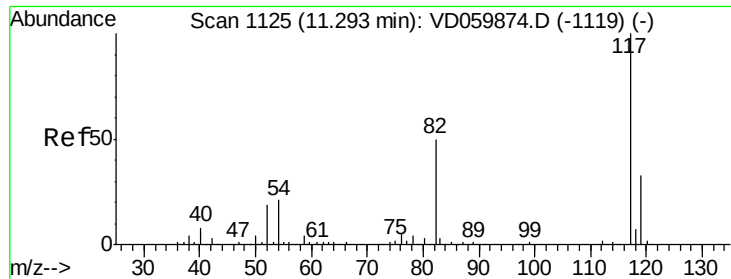
Tot Ion: 98 Resp: 1146202
Ion Ratio Lower Upper
98 100
100 69.5 55.8 83.6



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

Tgt Ion: 95 Resp: 306711
Ion Ratio Lower Upper
95 100
174 89.1 0.0 195.6
176 85.9 0.0 191.2

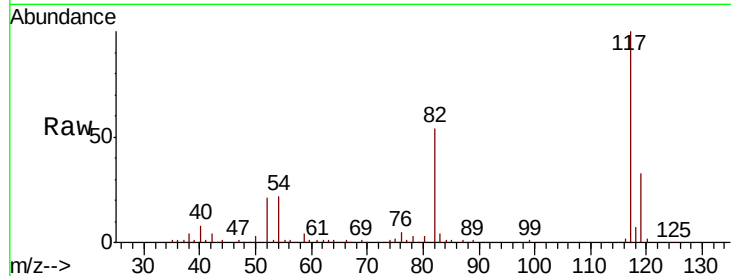




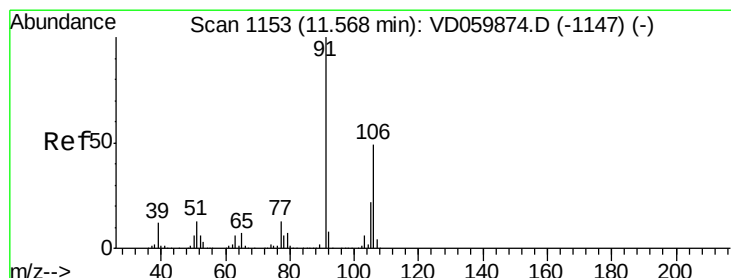
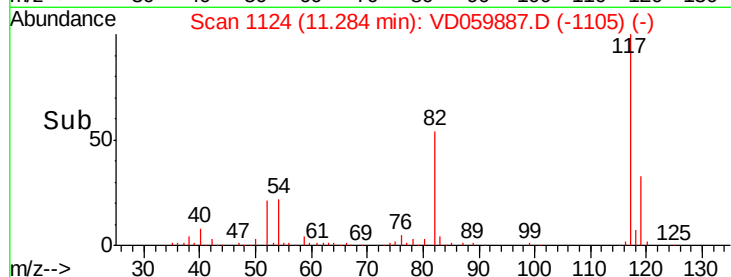
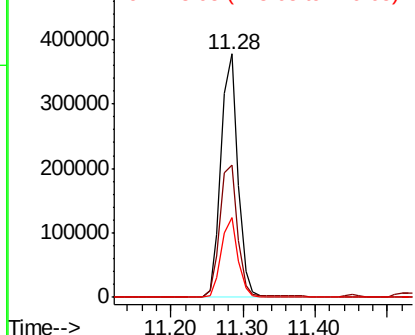
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-75-048RE

Tot Ion:117 Resp: 611880
Ion Ratio Lower Upper
117 100
82 54.4 40.1 60.1
119 33.0 26.7 40.1

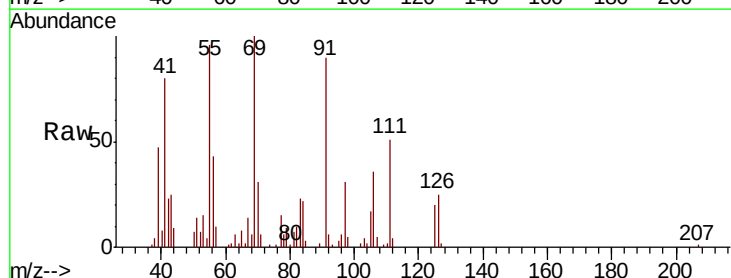


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

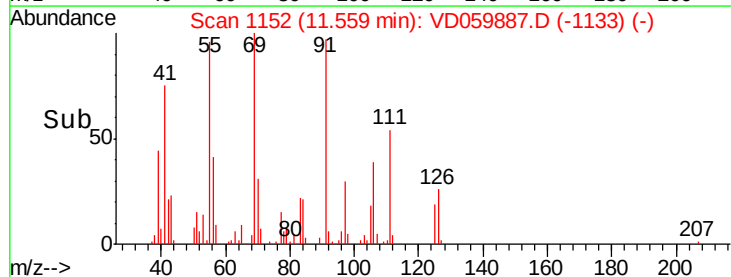
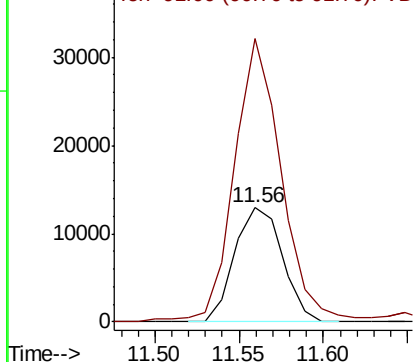


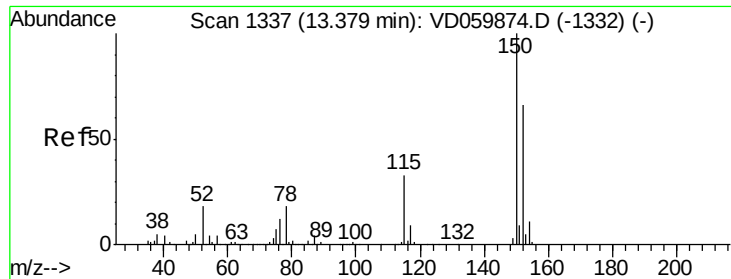
#68
m/p-Xylenes
Concen: 3.40 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059887.D
Acq: 23 Aug 2018 14:42

Tgt Ion:106 Resp: 25294
Ion Ratio Lower Upper
106 100
91 248.5 162.0 243.0#



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-75-048RE

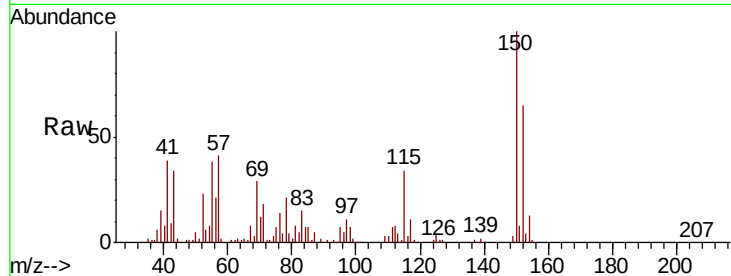
Tot Ion:152 Resp: 190140

Ion Ratio Lower Upper

152 100

115 53.1 25.7 77.0

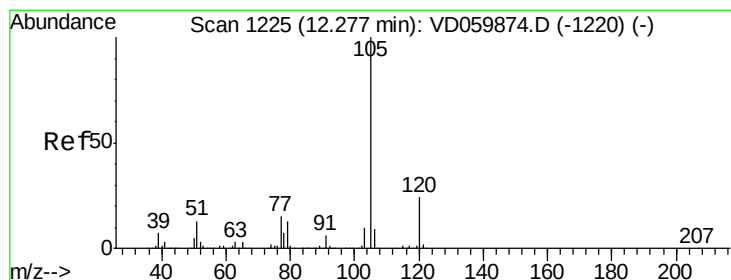
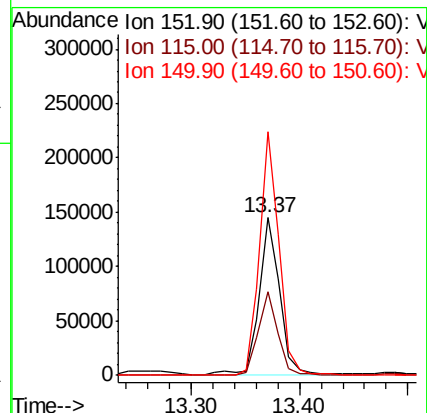
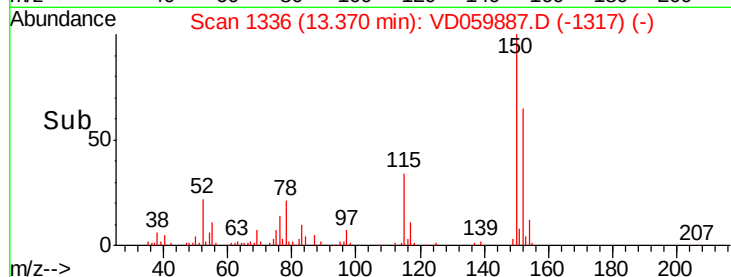
150 154.3 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.81 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059887.D

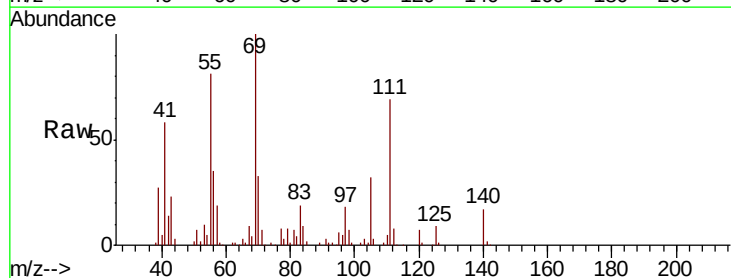
Acq: 23 Aug 2018 14:42

Tgt Ion:105 Resp: 46293

Ion Ratio Lower Upper

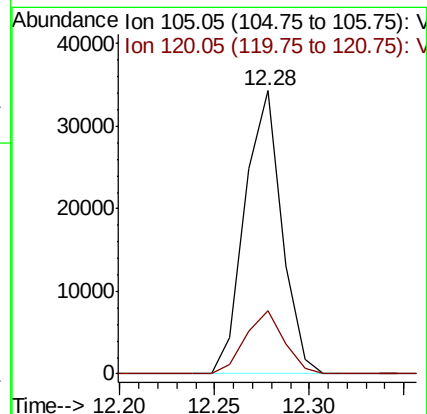
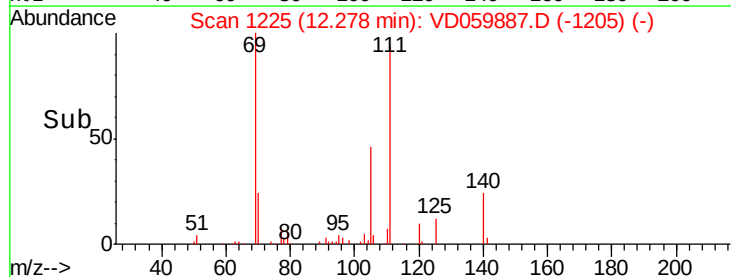
105 100

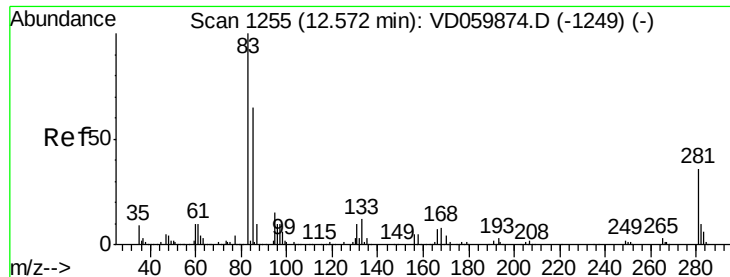
120 22.5 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#75

1,1,2,2-Tetrachloroethane

Concen: 37.71 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Instrument :

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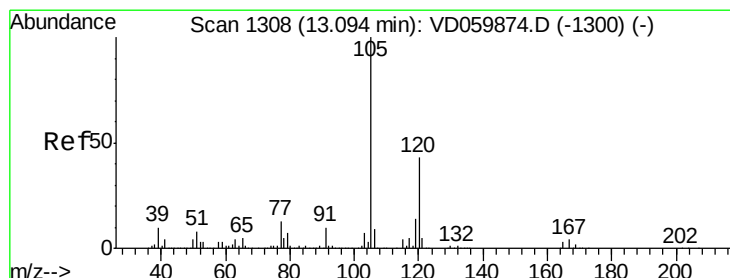
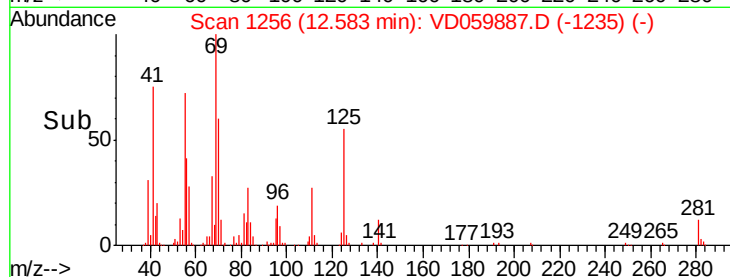
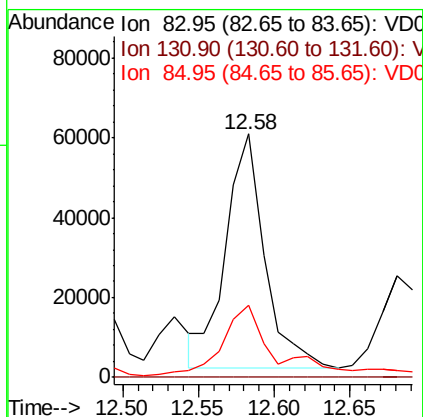
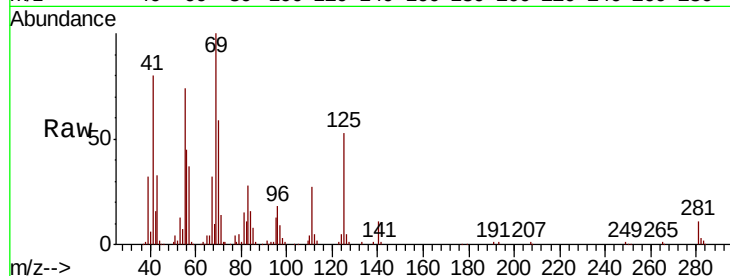
Tot Ion: 83 Resp: 105869

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 29.8 32.6 97.8#



#84

1,2,4-Trimethylbenzene

Concen: 1.18 ug/l

RT: 13.09 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VD059887.D

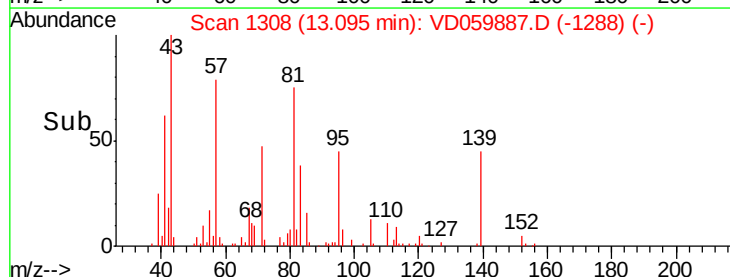
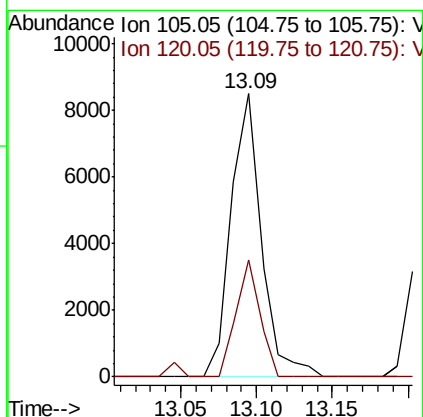
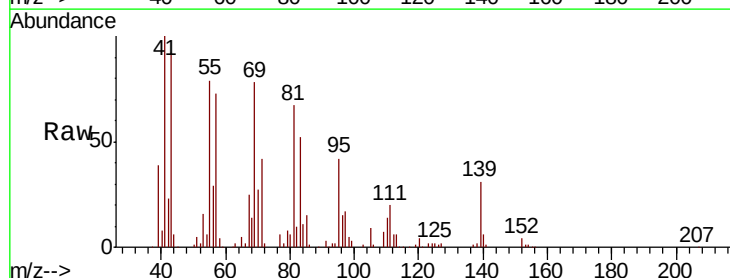
Acq: 23 Aug 2018 14:42

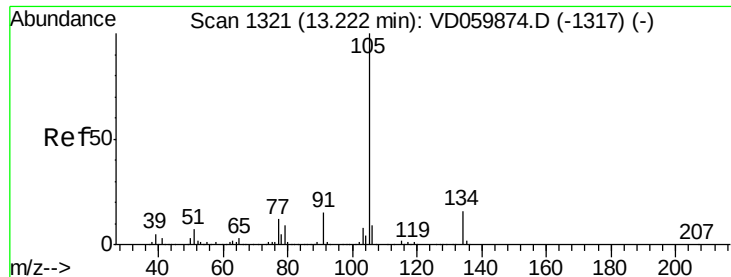
Tgt Ion: 105 Resp: 11819

Ion Ratio Lower Upper

105 100

120 41.2 21.8 65.3





#85

sec-Butylbenzene

Concen: 3.79 ug/l

RT: 13.22 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Instrument :

MSVOA_D

ClientSampleId :

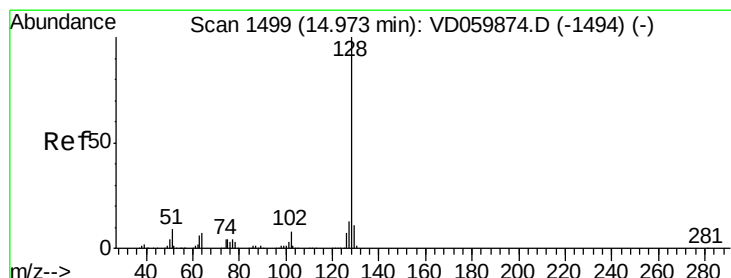
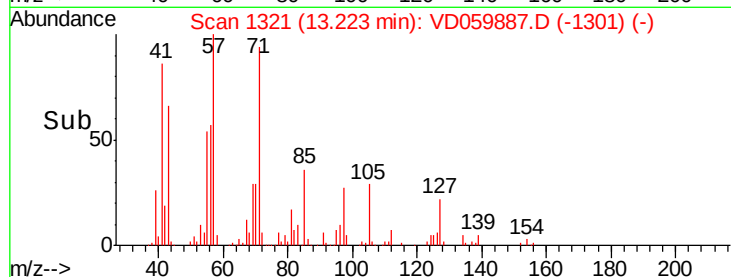
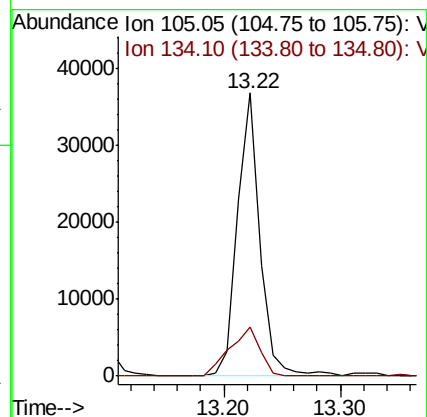
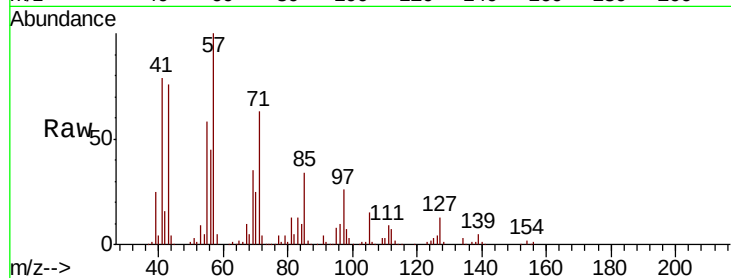
RA-081718-SSW-75-048RE

Tot Ion:105 Resp: 49041

Ion Ratio Lower Upper

105 100

134 17.2 8.2 24.4



#95

Naphthalene

Concen: 1.52 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059887.D

Acq: 23 Aug 2018 14:42

Tgt Ion:128 Resp: 10168

Ion Ratio Lower Upper

128 100

127 18.8 10.0 15.0#

129 17.7 8.6 13.0#

