

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060670.D
 Acq On : 20 Dec 2018 20:44
 Operator : VA/AP
 Sample : J6465-04
 Misc : 5.40g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB03_1.5-3.5

Quant Time: Dec 21 06:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

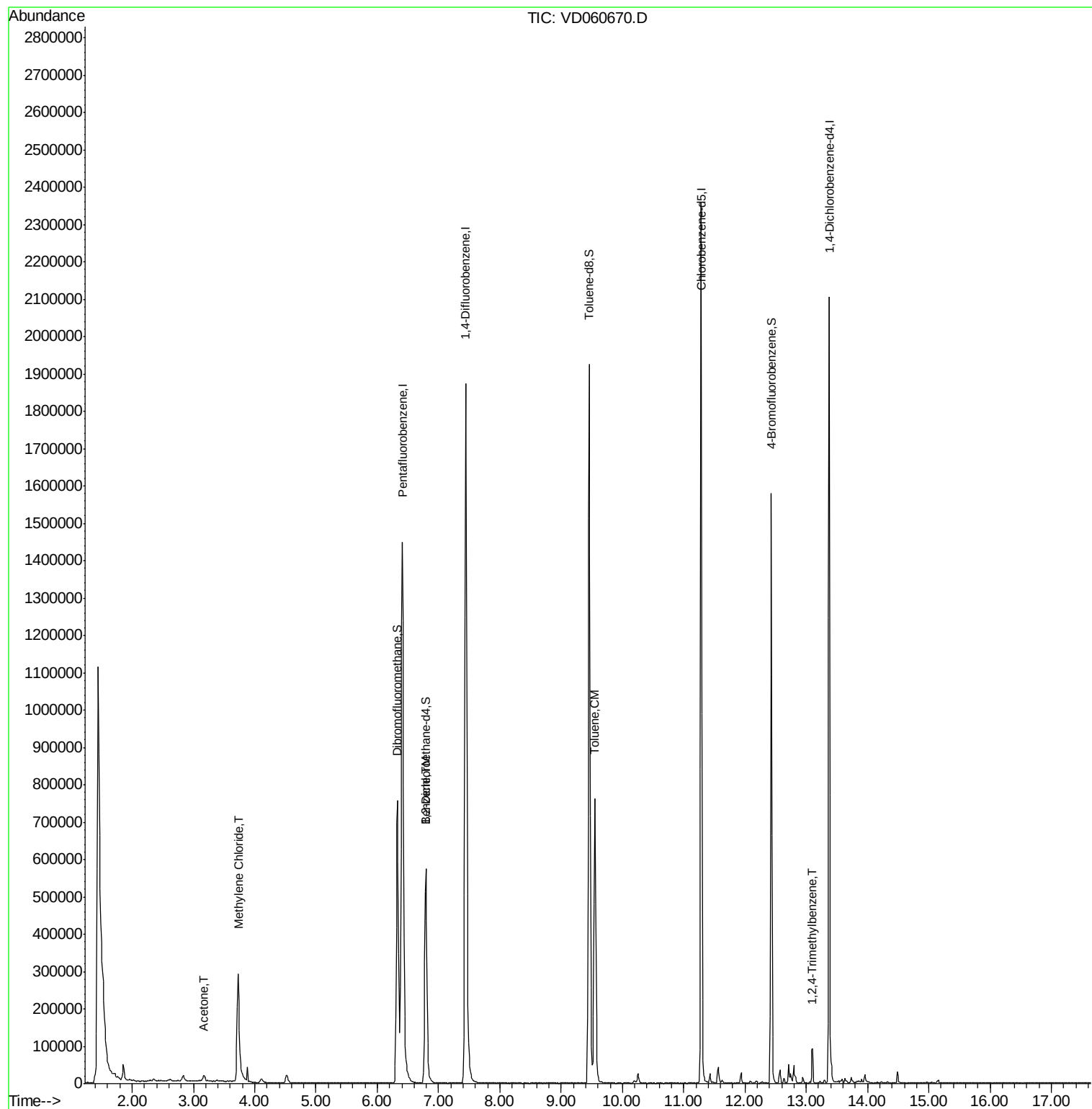
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1433974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1997289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1377047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	467976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	446157	45.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.04%	
35) Dibromofluoromethane	6.33	113	610245	41.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.48%	
50) Toluene-d8	9.46	98	1511414	34.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.30%	
62) 4-Bromofluorobenzene	12.43	95	435400	28.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.00%	
Target Compounds						
16) Acetone	3.17	43	32061	18.526	ug/l	96
20) Methylene Chloride	3.72	84	201845	11.231	ug/l	97
40) Benzene	6.79	78	68434	1.288	ug/l	99
52) Toluene	9.55	92	406759	12.214	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	45898	1.732	ug/l	91

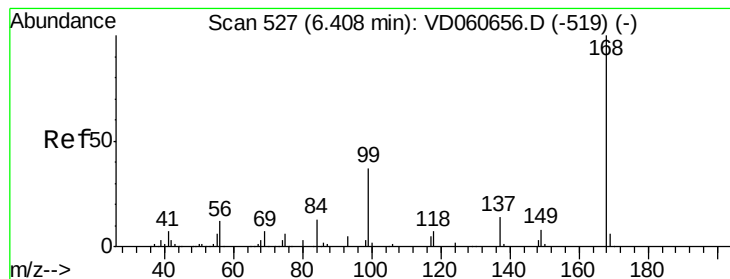
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

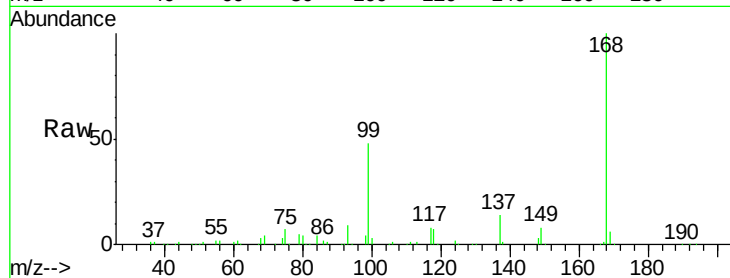
EB03_1.5-3.5

Tgt Ion:168 Resp: 1433974

Ion Ratio Lower Upper

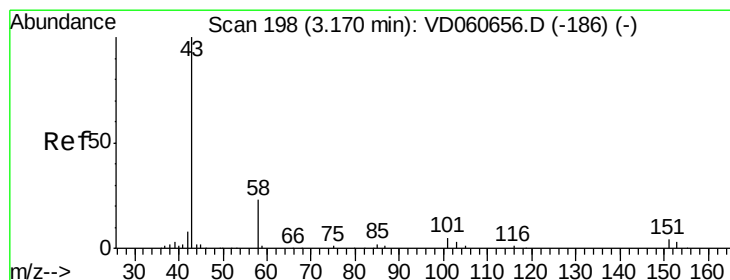
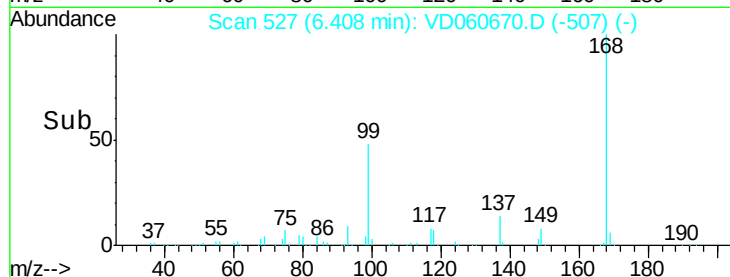
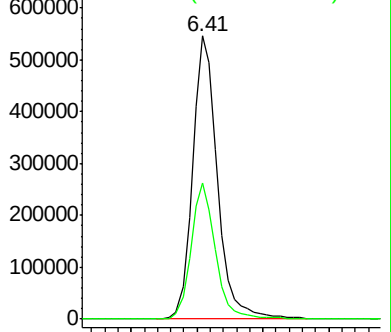
168 100

99 47.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18.526 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD060670.D

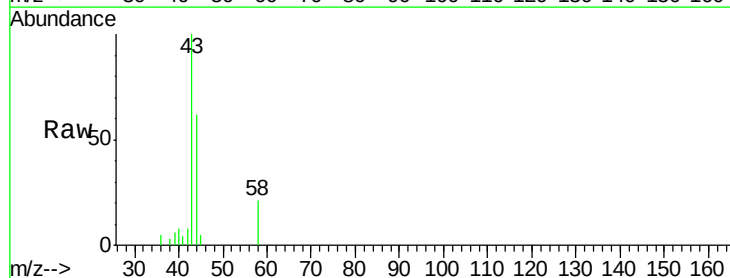
Acq: 20 Dec 2018 20:44

Tgt Ion: 43 Resp: 32061

Ion Ratio Lower Upper

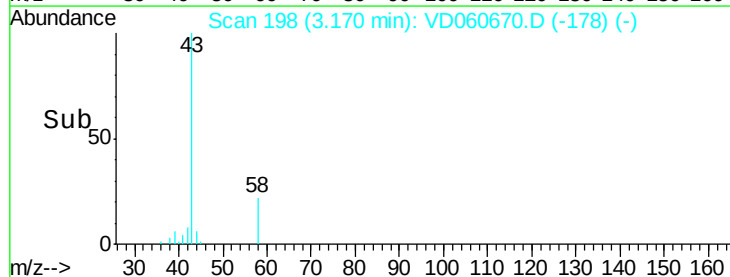
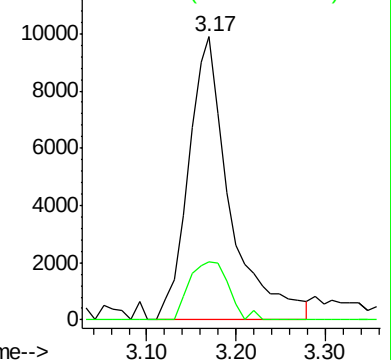
43 100

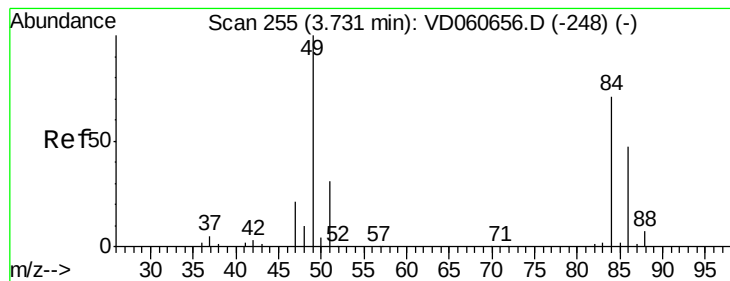
58 20.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 11.231 ug/l

RT: 3.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

EB03_1.5-3.5

Tgt Ion: 84 Resp: 201845

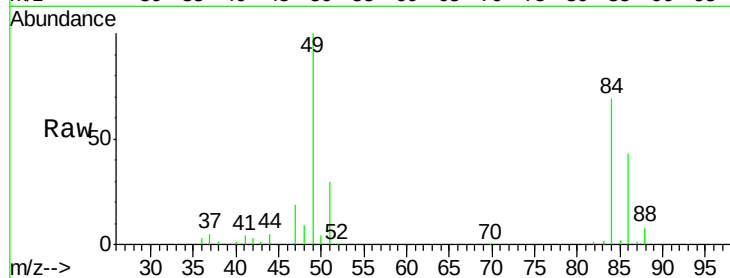
Ion Ratio Lower Upper

84 100

49 144.6 113.6 170.4

51 43.8 34.7 52.1

86 61.5 52.8 79.2

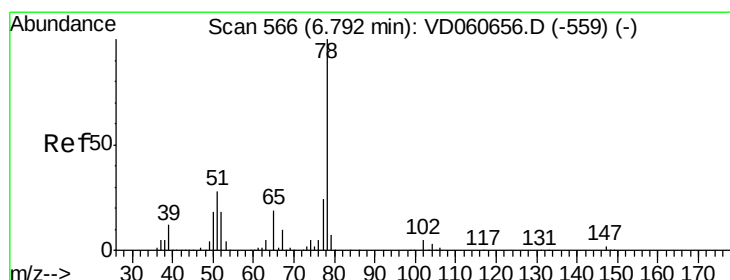
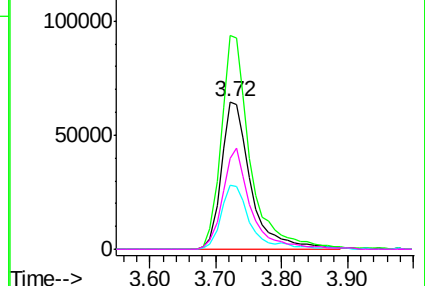
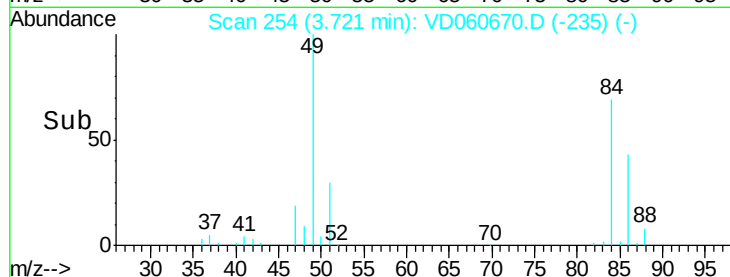


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD060670.D

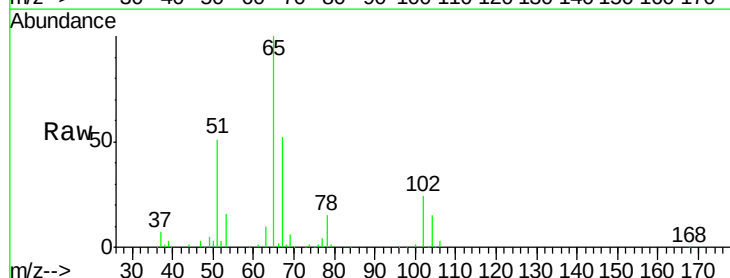
Acq: 20 Dec 2018 20:44

Tgt Ion: 65 Resp: 446157

Ion Ratio Lower Upper

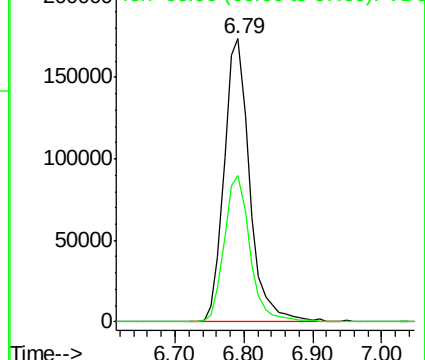
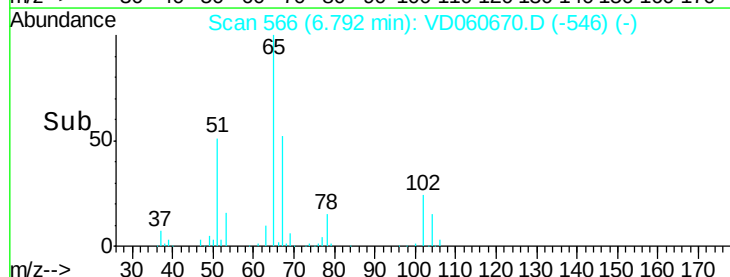
65 100

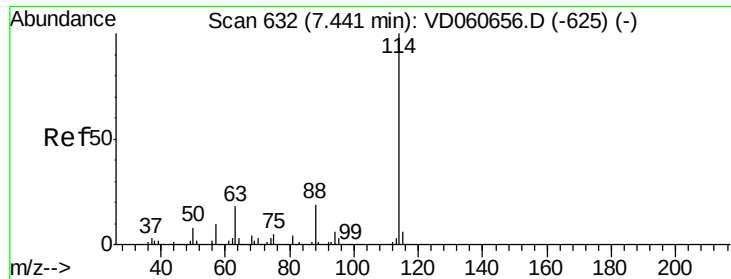
67 51.8 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 632

Delta R.T. 0.00 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

EB03_1.5-3.5

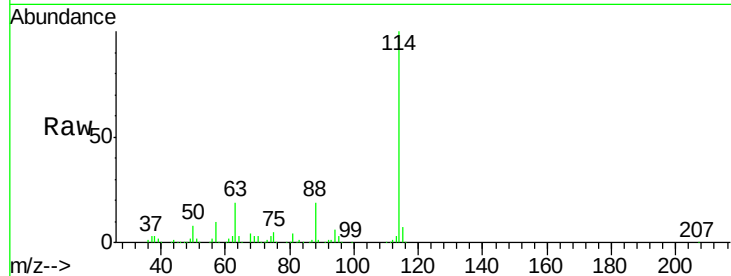
Tgt Ion:114 Resp: 1997289

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.2

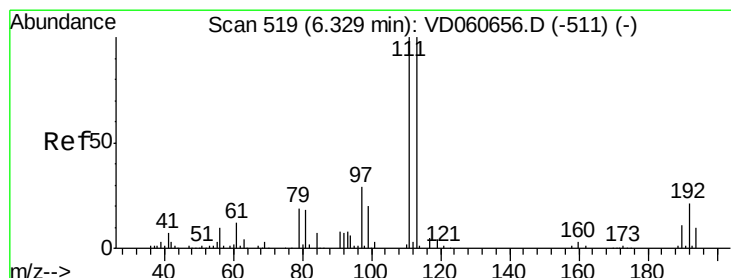
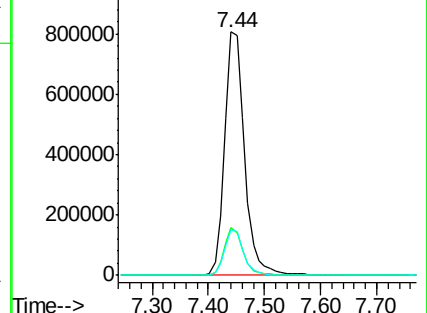
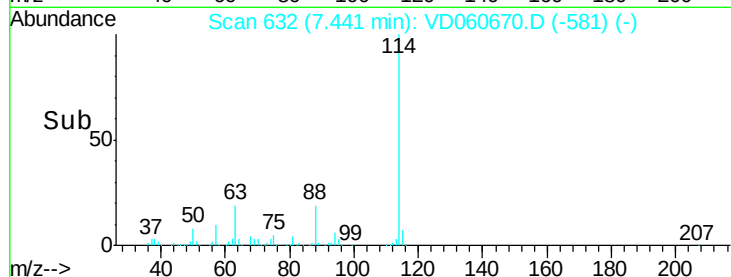
88 18.6 0.0 37.0



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: 50.000 ug/l

RT: 6.33 min Scan# 519

Delta R.T. 0.00 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

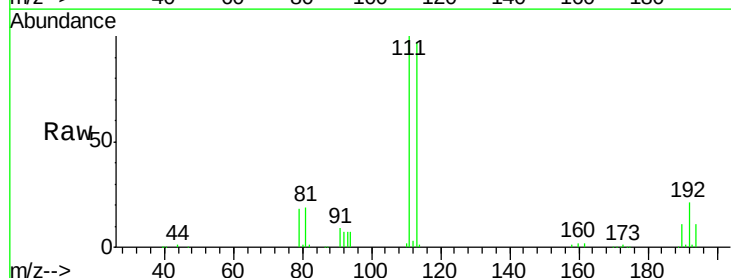
Tgt Ion:113 Resp: 610245

Ion Ratio Lower Upper

113 100

111 103.3 80.0 120.0

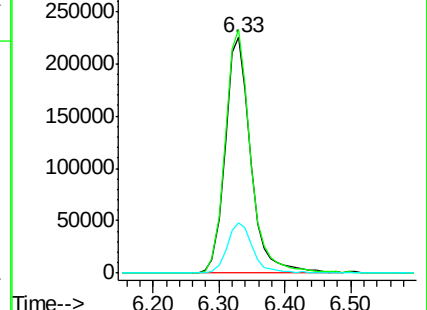
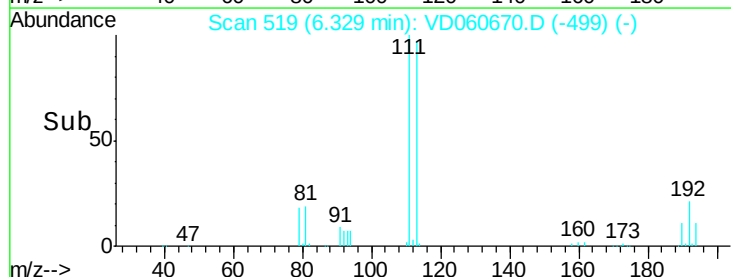
192 21.2 16.6 25.0

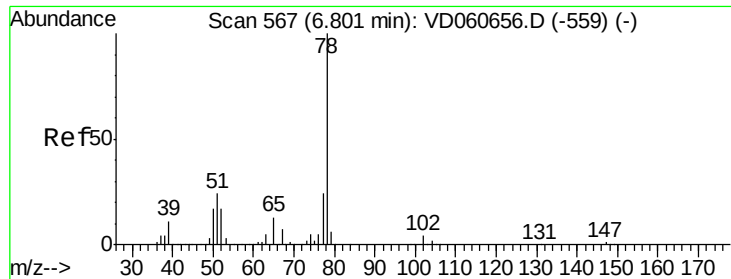


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 1.288 ug/l

RT: 6.79 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

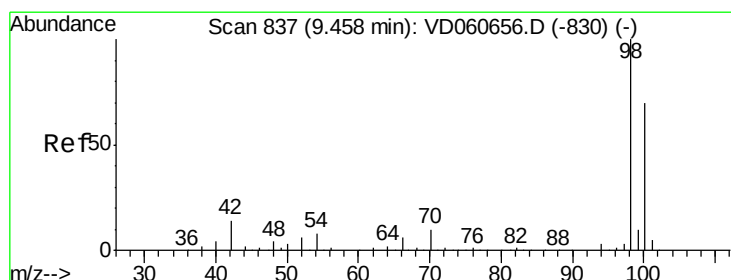
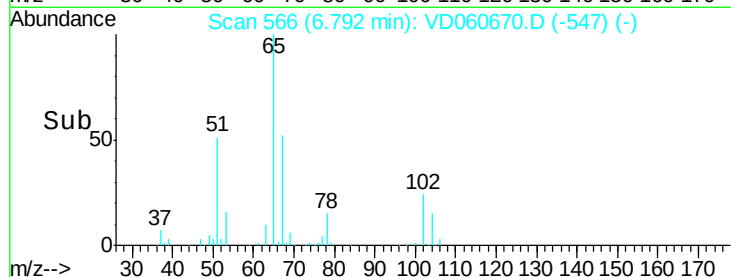
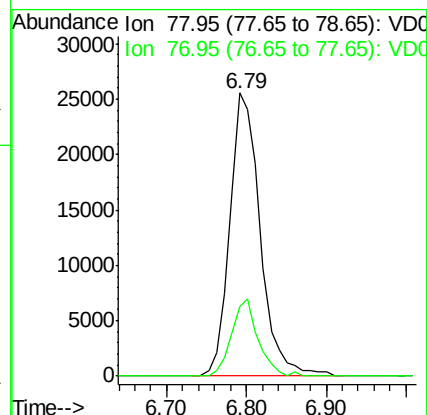
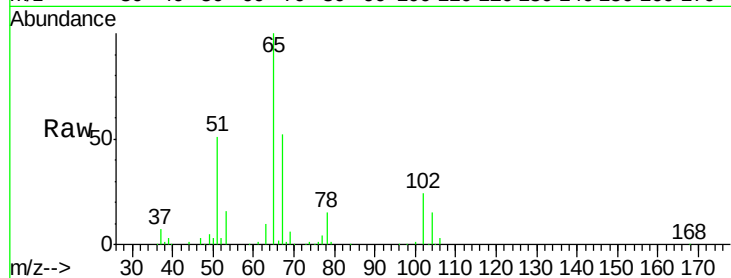
EB03_1.5-3.5

Tgt Ion: 78 Resp: 68434

Ion Ratio Lower Upper

78 100

77 24.7 19.2 28.8



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.00 min

Lab File: VD060670.D

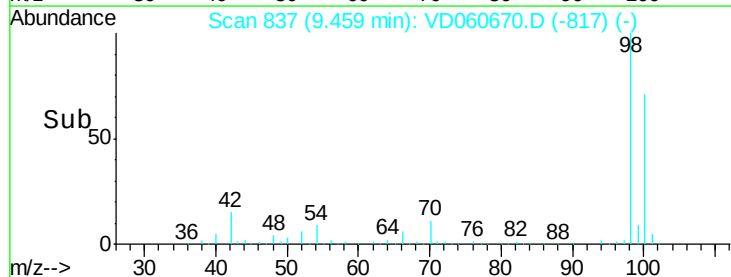
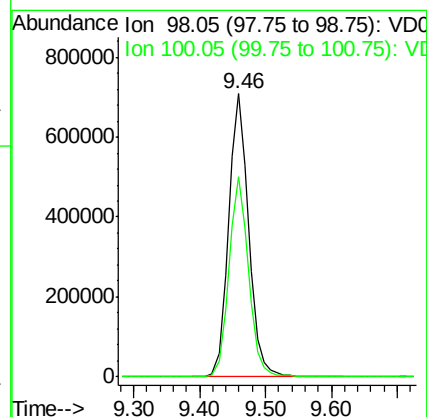
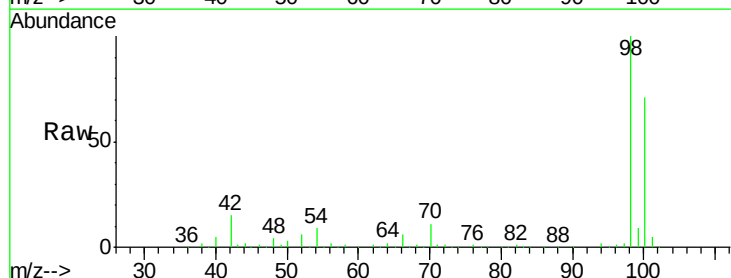
Acq: 20 Dec 2018 20:44

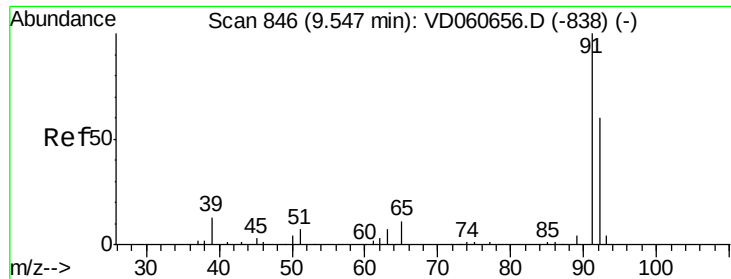
Tgt Ion: 98 Resp: 1511414

Ion Ratio Lower Upper

98 100

100 70.5 55.8 83.8





#52

Toluene

Concen: 12.214 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

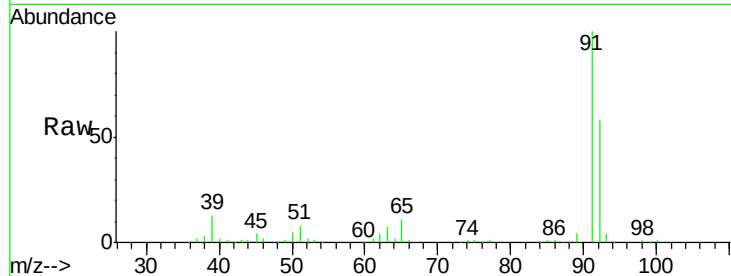
EB03_1.5-3.5

Tgt Ion: 92 Resp: 406759

Ion Ratio Lower Upper

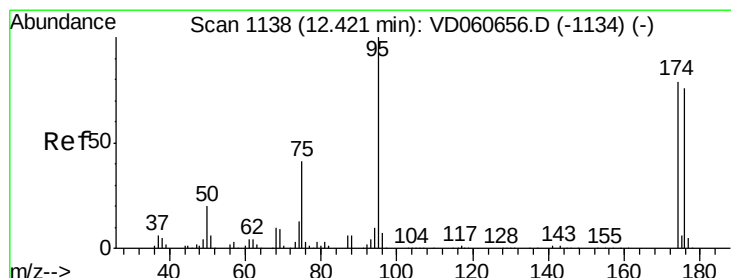
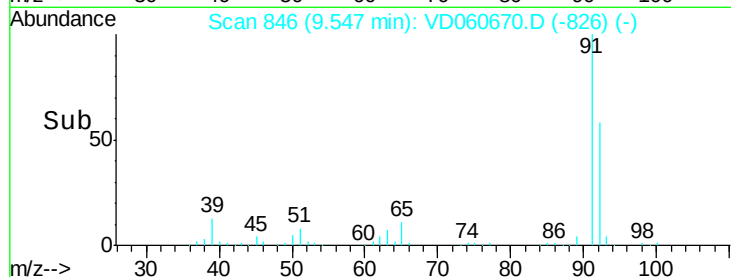
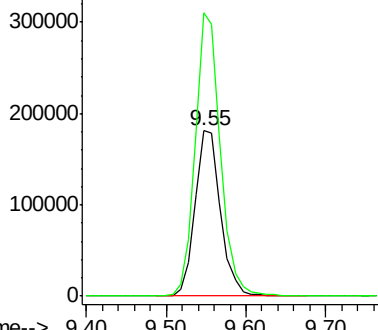
92 100

91 171.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060670.D

Acq: 20 Dec 2018 20:44

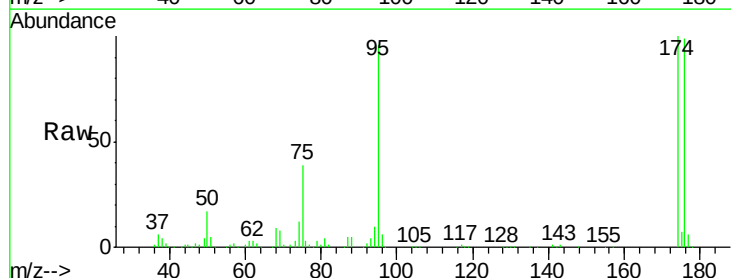
Tgt Ion: 95 Resp: 435400

Ion Ratio Lower Upper

95 100

174 104.1 0.0 158.2

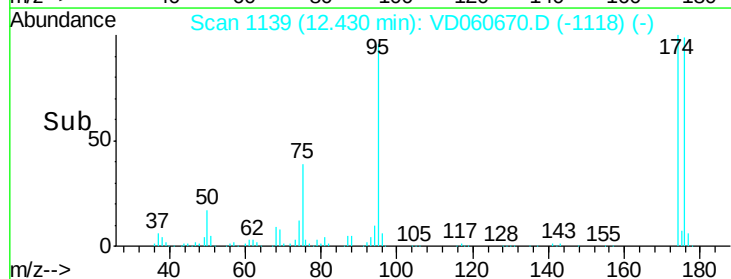
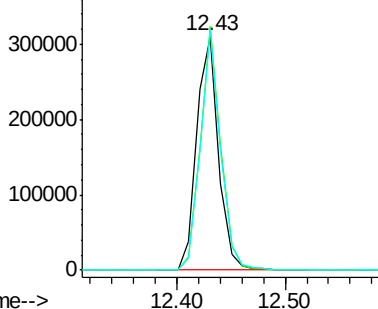
176 102.8 0.0 152.4

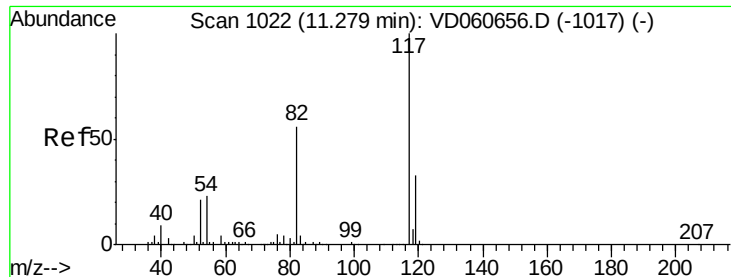


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

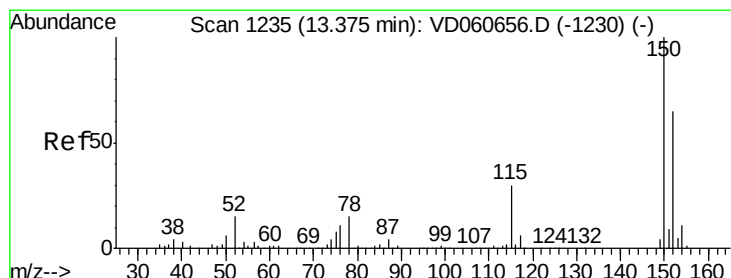
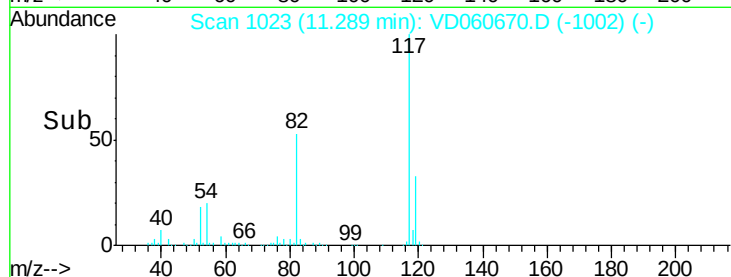
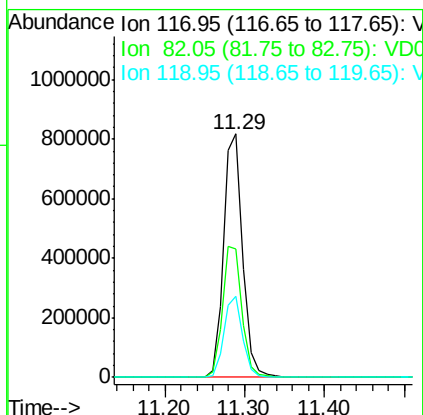
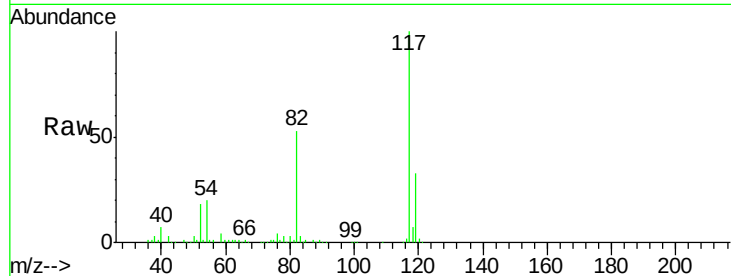




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060670.D
Acq: 20 Dec 2018 20:44

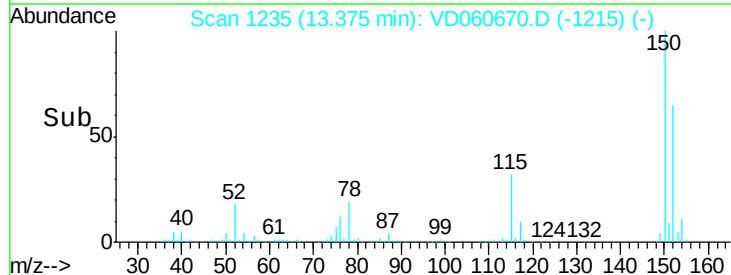
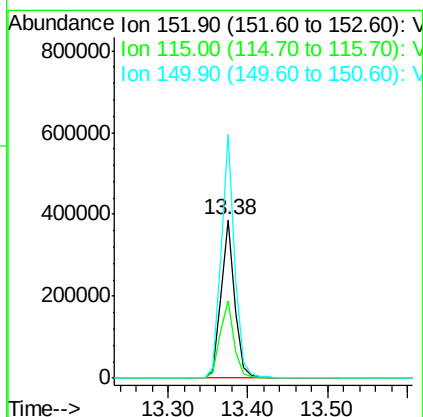
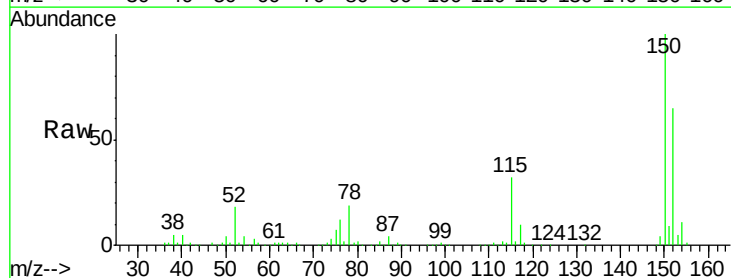
Instrument :
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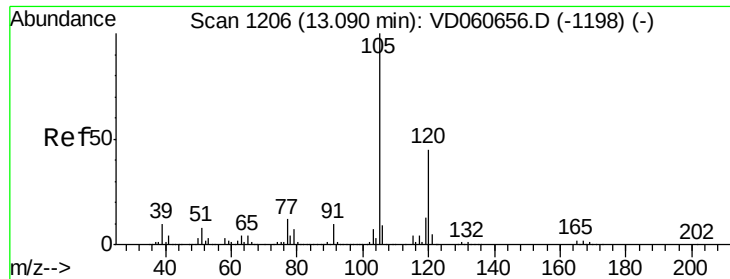
Tgt Ion:117 Resp: 1377047
Ion Ratio Lower Upper
117 100
82 52.5 44.5 66.7
119 33.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060670.D
Acq: 20 Dec 2018 20:44

Tgt Ion:152 Resp: 467976
Ion Ratio Lower Upper
152 100
115 48.5 24.1 72.3
150 153.9 0.0 315.0





#84
 1,2,4-Trimethylbenzene
 Concen: 1.732 ug/l
 RT: 13.10 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VD060670.D
 Acq: 20 Dec 2018 20:44

Instrument :
 MSVOA_D
 ClientSampleId :
 EB03_1.5-3.5

Tgt Ion:105 Resp: 45898
 Ion Ratio Lower Upper
 105 100
 120 50.6 22.4 67.0

