

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD033119\
 Data File : VD061463.D
 Acq On : 31 Mar 2019 22:46
 Operator : VA/AP
 Sample : K2138-13
 Misc : 5.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S6A(20)

Quant Time: Apr 01 07:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

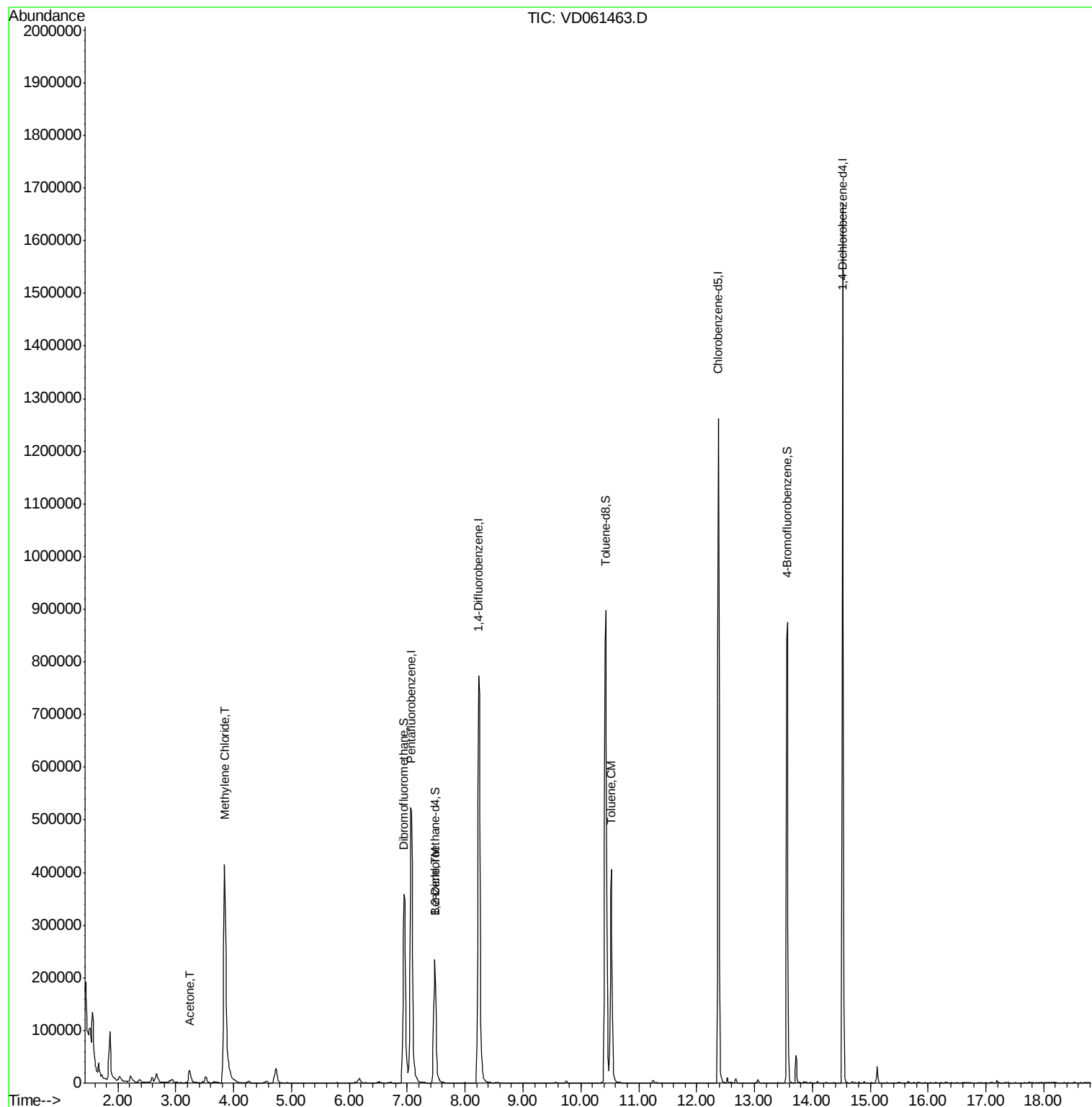
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	550574	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	976988	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	740818	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	360589	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	222594	47.33	ug/l	0.04
Spiked Amount 50.000			Recovery	=	94.66%	
35) Dibromofluoromethane	6.94	113	350103	46.89	ug/l	0.04
Spiked Amount 50.000			Recovery	=	93.78%	
50) Toluene-d8	10.43	98	817487	45.65	ug/l	0.04
Spiked Amount 50.000			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	13.56	95	307999	44.85	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.70%	
Target Compounds						
16) Acetone	3.23	43	43350	35.855	ug/l	98
20) Methylene Chloride	3.84	84	341804	50.484	ug/l	95
40) Benzene	7.48	78	24221	1.132	ug/l	99
52) Toluene	10.53	92	228202	17.479	ug/l	99

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061463.D

Acq: 31 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

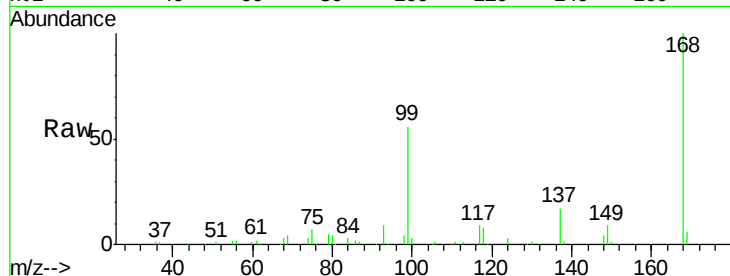
S6A(20)

Tgt Ion:168 Resp: 550574

Ion Ratio Lower Upper

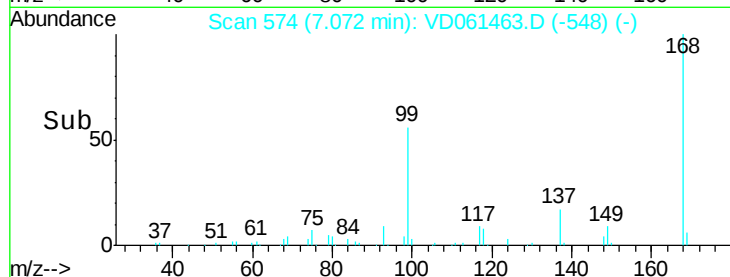
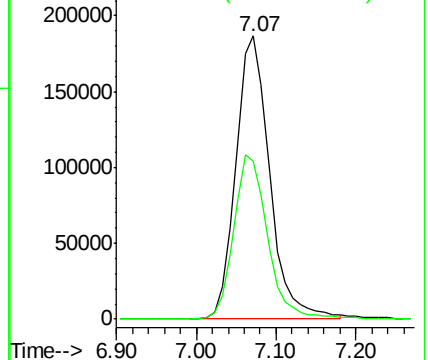
168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 35.855 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061463.D

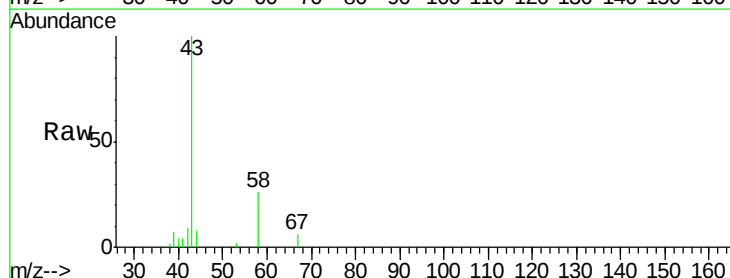
Acq: 31 Mar 2019 22:46

Tgt Ion: 43 Resp: 43350

Ion Ratio Lower Upper

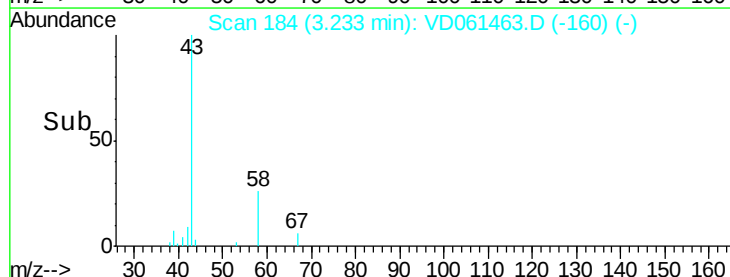
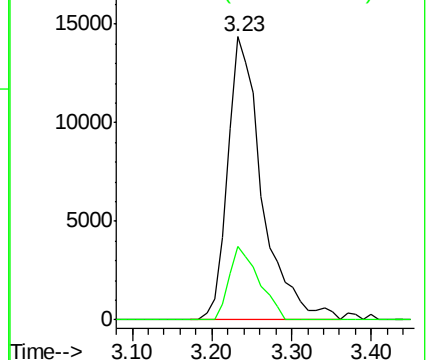
43 100

58 26.0 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 50.484 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061463.D

Acq: 31 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

S6A(20)

Tgt Ion: 84 Resp: 341804

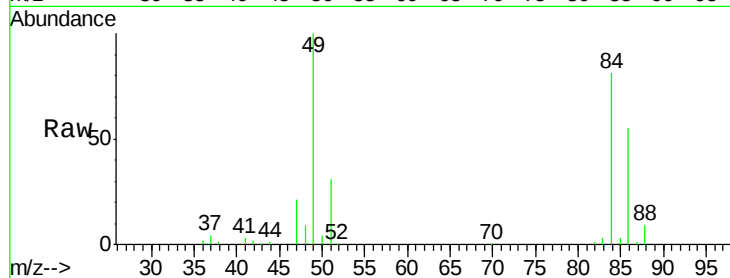
Ion Ratio Lower Upper

84 100

49 122.8 91.8 137.8

51 37.9 29.8 44.8

86 67.3 51.8 77.6

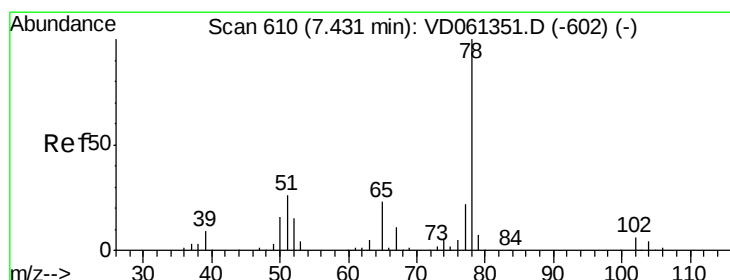
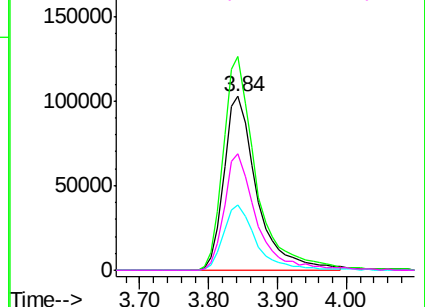
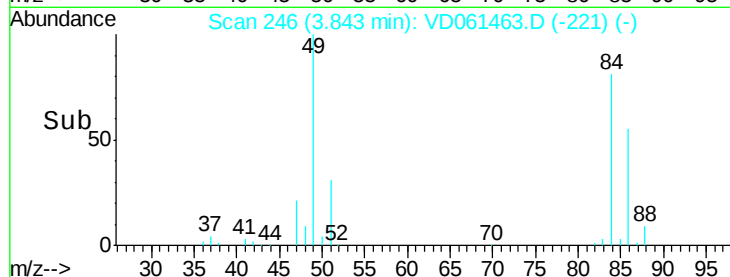


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061463.D

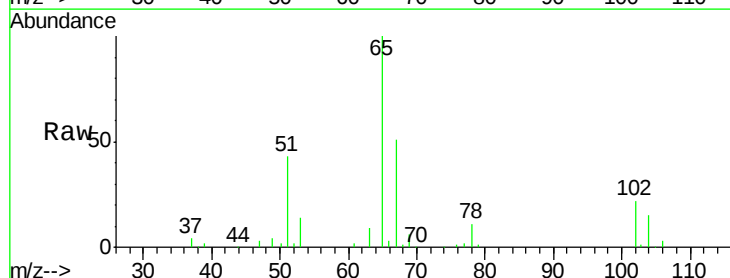
Acq: 31 Mar 2019 22:46

Tgt Ion: 65 Resp: 222594

Ion Ratio Lower Upper

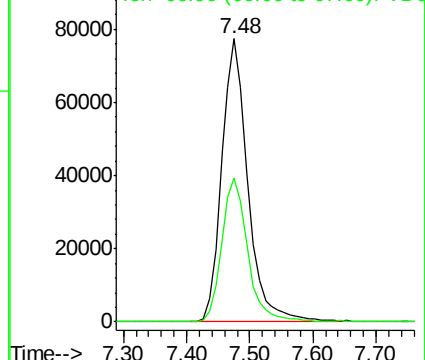
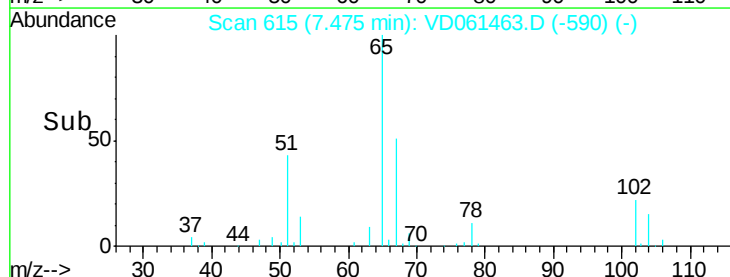
65 100

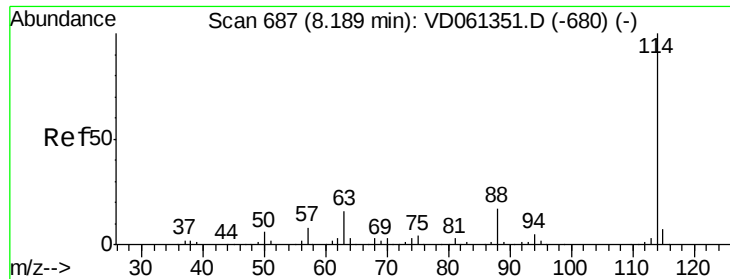
67 50.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

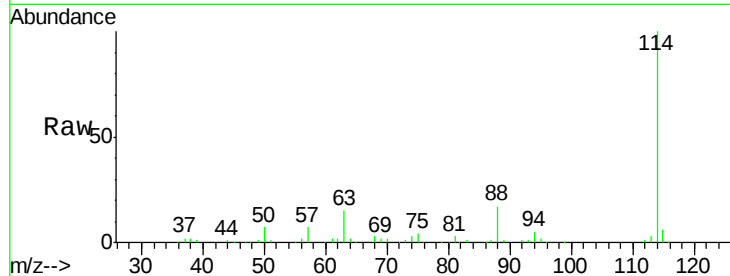




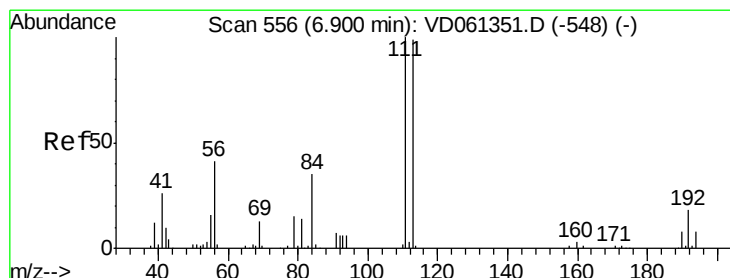
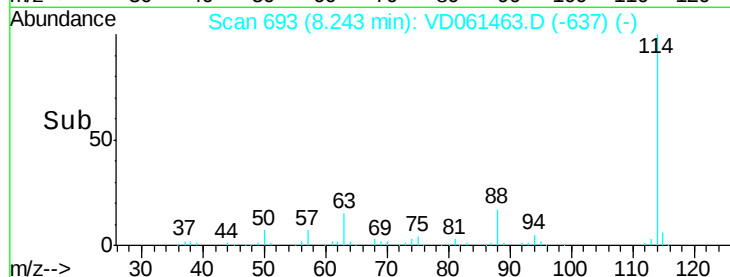
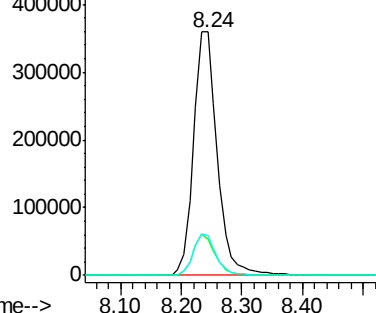
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD061463.D
 Acq: 31 Mar 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 S6A(20)

Tgt Ion:114 Resp: 976988
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 31.6
 88 16.7 0.0 33.4

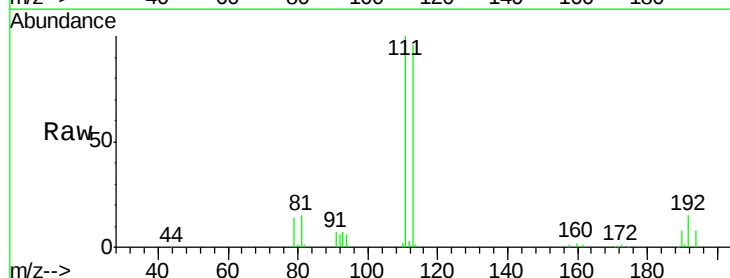


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

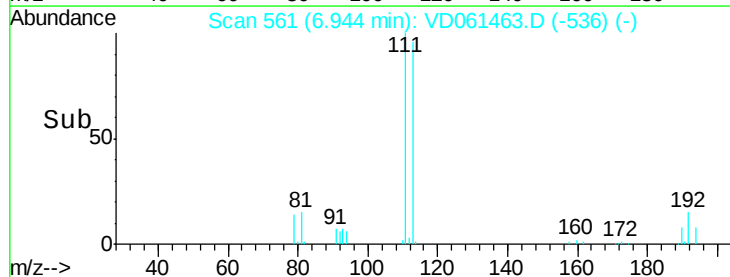
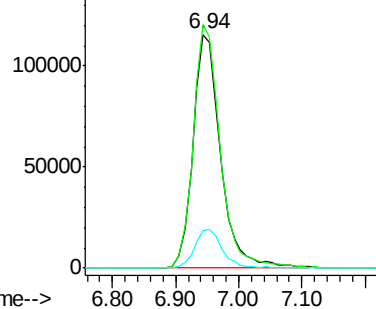


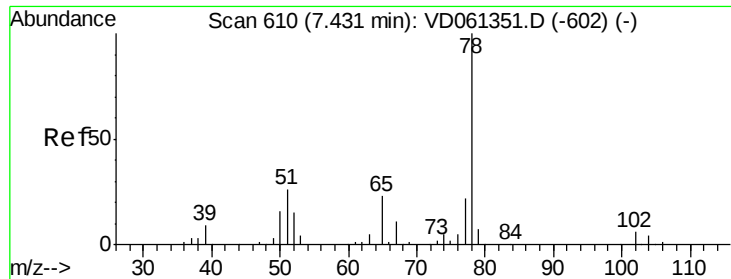
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061463.D
 Acq: 31 Mar 2019 22:46

Tgt Ion:113 Resp: 350103
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.0 121.6
 192 16.0 14.4 21.6



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





#40

Benzene

Concen: 1.132 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061463.D

Acq: 31 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

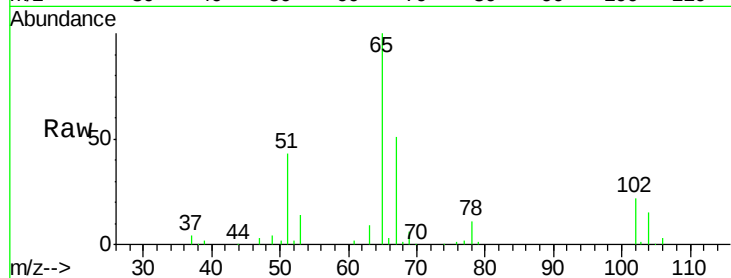
S6A(20)

Tgt Ion: 78 Resp: 24221

Ion Ratio Lower Upper

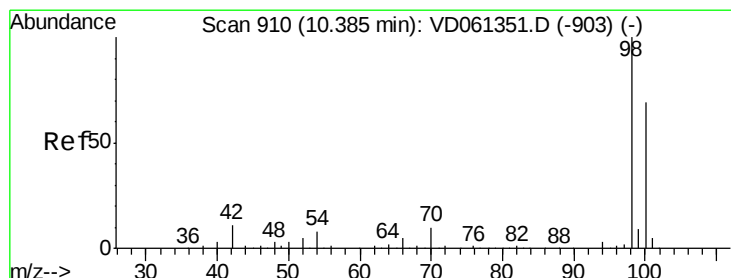
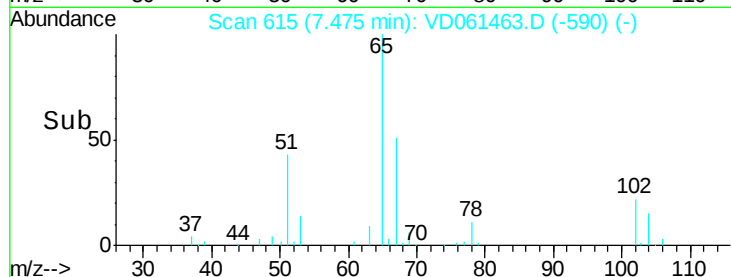
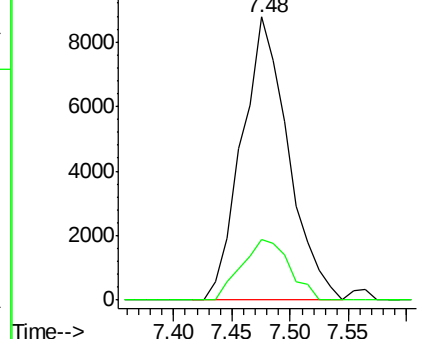
78 100

77 21.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.04 min

Lab File: VD061463.D

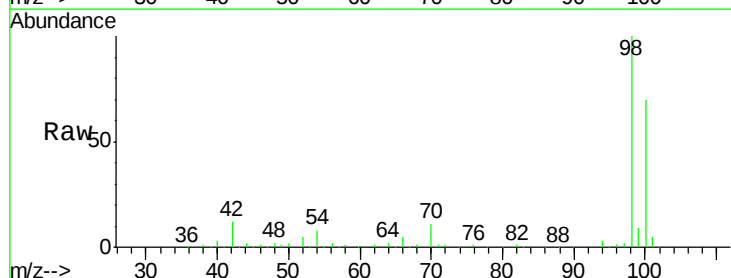
Acq: 31 Mar 2019 22:46

Tgt Ion: 98 Resp: 817487

Ion Ratio Lower Upper

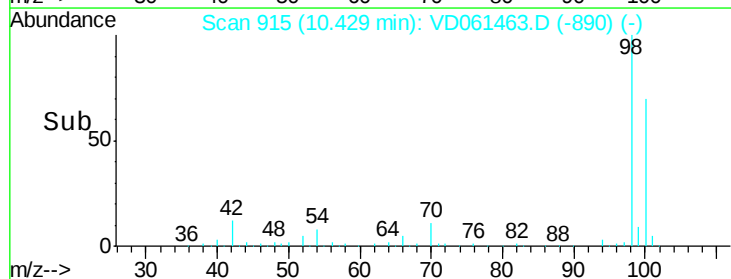
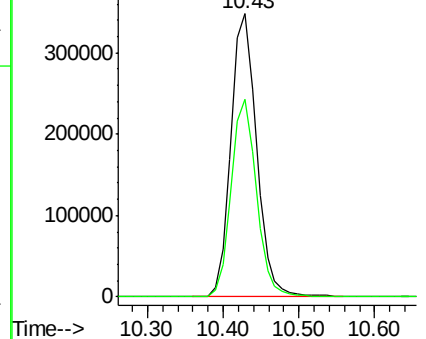
98 100

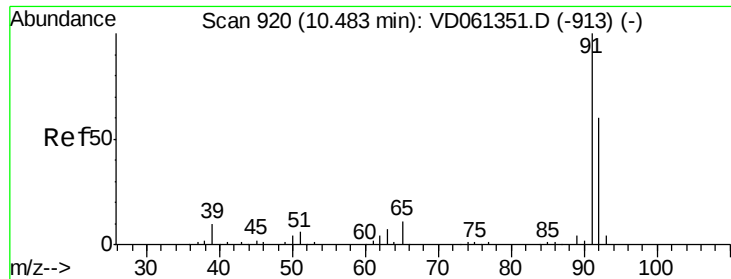
100 69.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 17.479 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.04 min

Lab File: VD061463.D

Acq: 31 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

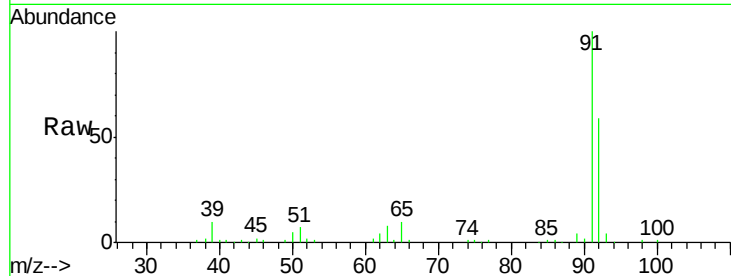
S6A(20)

Tgt Ion: 92 Resp: 228202

Ion Ratio Lower Upper

92 100

91 168.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

100000

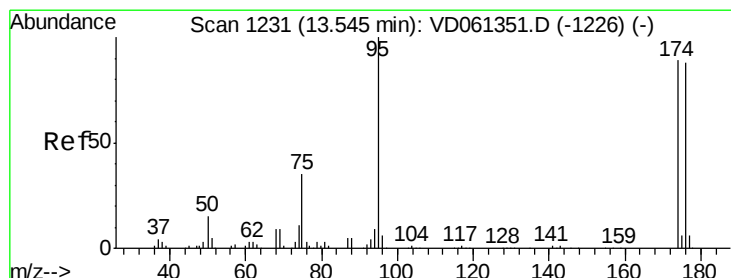
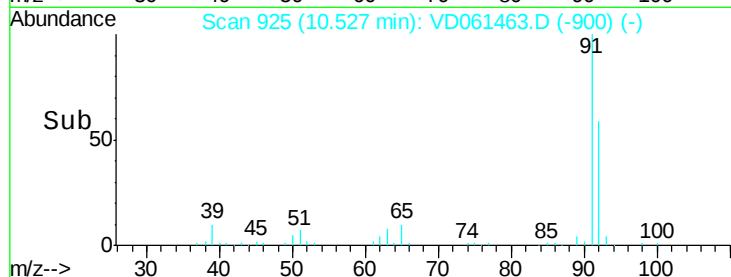
50000

0

10.53

10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061463.D

Acq: 31 Mar 2019 22:46

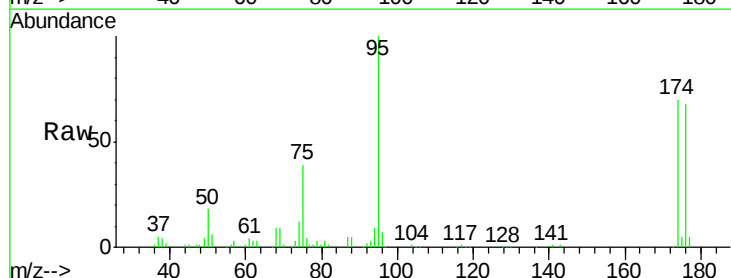
Tgt Ion: 95 Resp: 307999

Ion Ratio Lower Upper

95 100

174 69.9 0.0 178.0

176 67.5 0.0 175.0



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

250000

200000

150000

100000

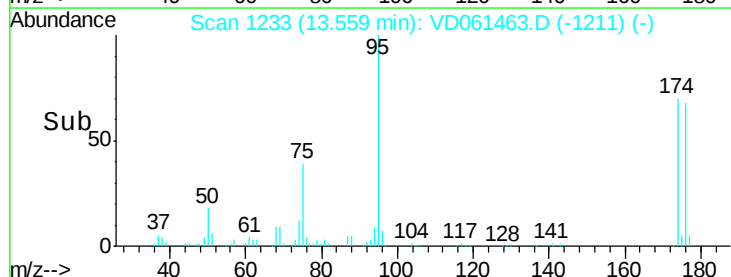
50000

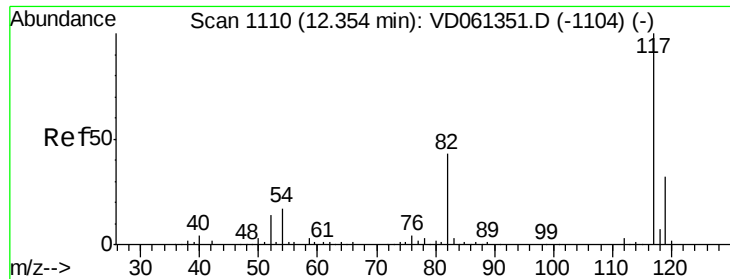
0

13.56

13.50 13.60

Time-->

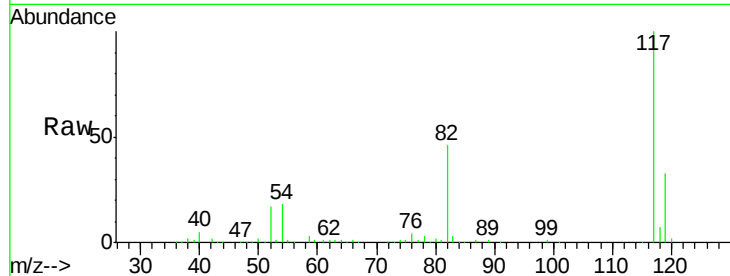




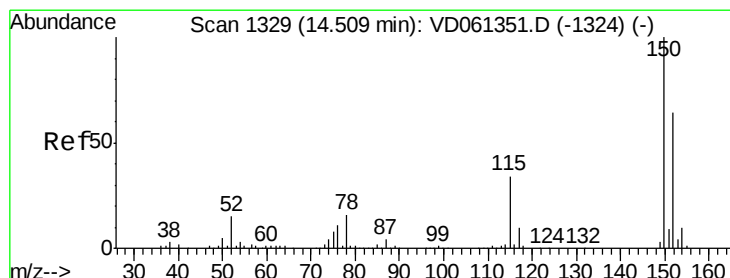
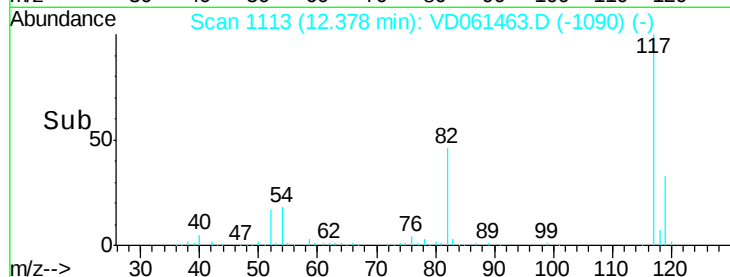
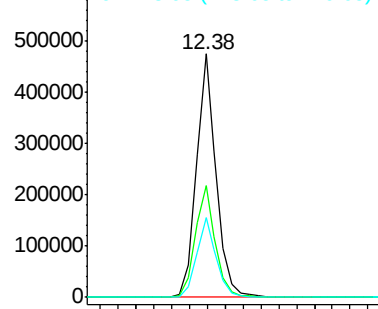
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061463.D
Acq: 31 Mar 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
S6A(20)

Tgt Ion:117 Resp: 740818
Ion Ratio Lower Upper
117 100
82 46.0 34.4 51.6
119 32.5 25.8 38.6

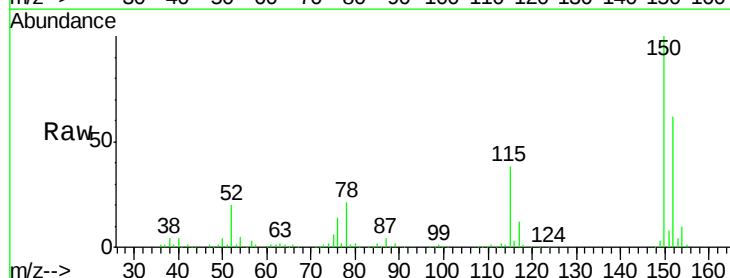


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061463.D
Acq: 31 Mar 2019 22:46

Tgt Ion:152 Resp: 360589
Ion Ratio Lower Upper
152 100
115 60.1 26.9 80.6
150 160.2 0.0 318.0



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

