

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061507.D
 Acq On : 2 Apr 2019 11:20
 Operator : VA/AP
 Sample : K2179-17
 Misc : 5.91g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5S1

Quant Time: Apr 03 01:28:04 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

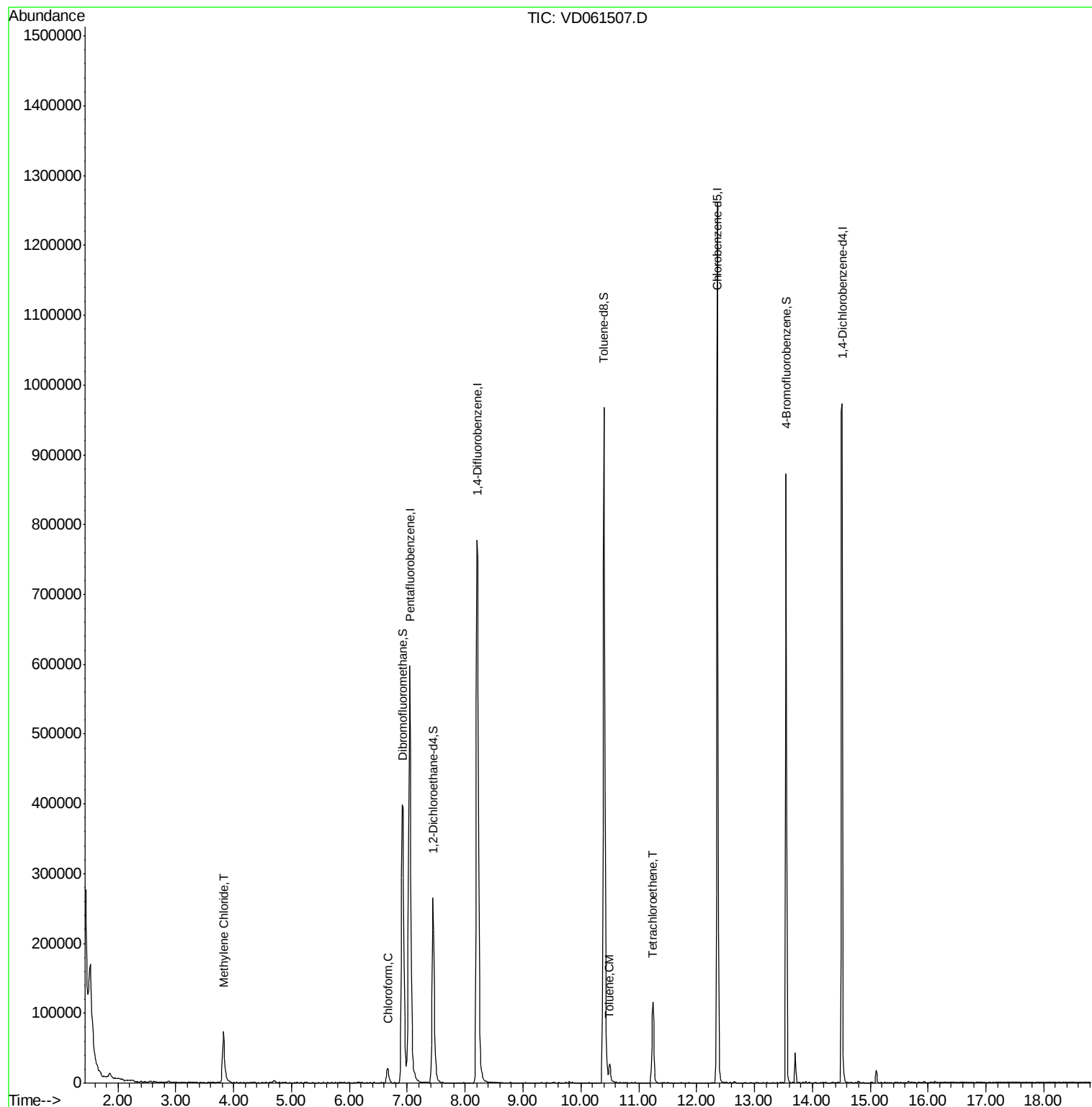
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	624508	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	1034320	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	784234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	256786	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	249543	46.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.56%	
35) Dibromofluoromethane	6.91	113	398760	50.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.90%	
50) Toluene-d8	10.40	98	853334	45.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.02%	
62) 4-Bromofluorobenzene	13.55	95	276663	38.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.12%	
Target Compounds						
20) Methylene Chloride	3.82	84	55952	5.577	ug/l	93
30) Chloroform	6.66	83	26462	2.203	ug/l	90
52) Toluene	10.50	92	14846	1.074	ug/l	97
64) Tetrachloroethene	11.25	164	35322	5.739	ug/l	96

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

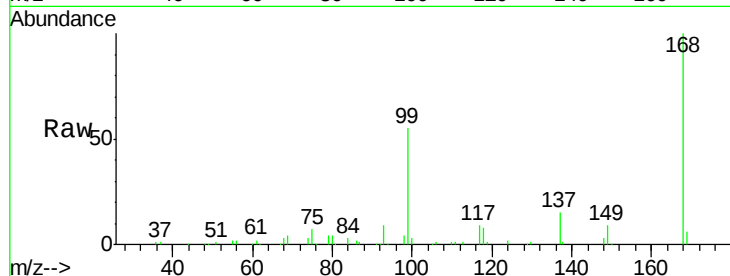
TP-5S1

Tot Ion:168 Resp: 624508

Ion Ratio Lower Upper

168 100

99 55.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

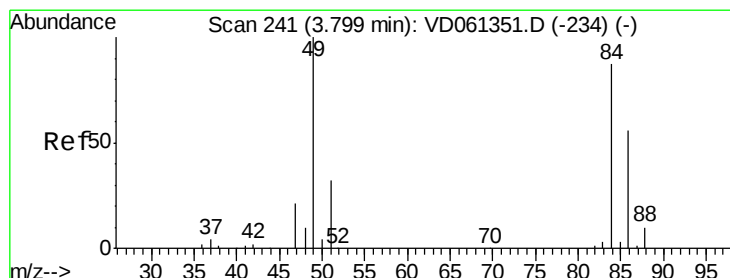
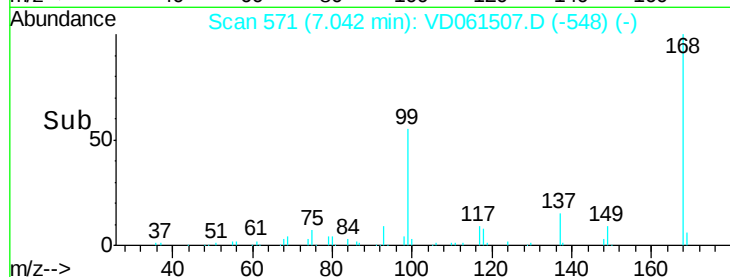
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 5.577 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Tgt Ion: 84 Resp: 55952

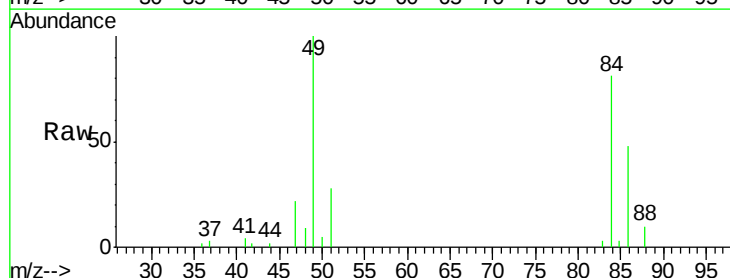
Ion Ratio Lower Upper

84 100

49 123.4 91.8 137.8

51 35.0 29.8 44.8

86 59.3 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

30000

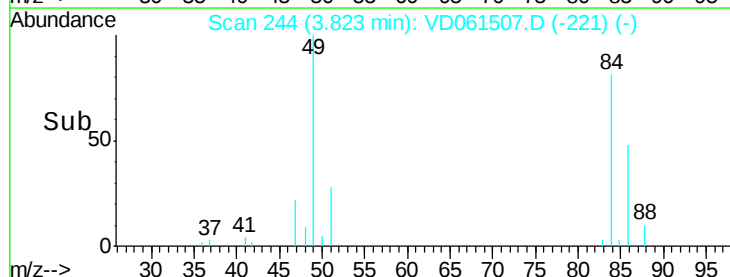
20000

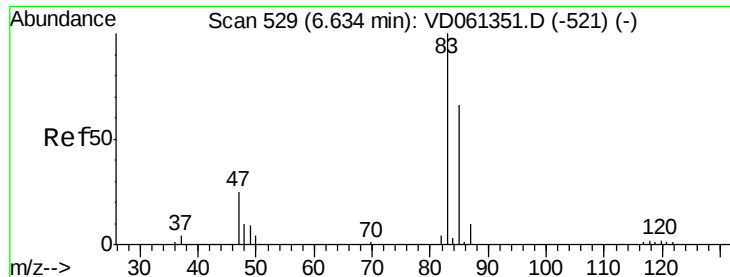
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0

3.70 3.80 3.90 4.00

Time-->

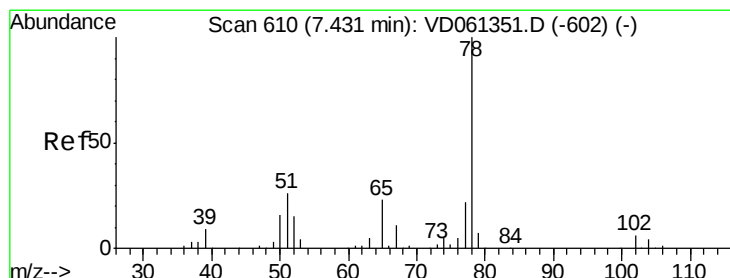
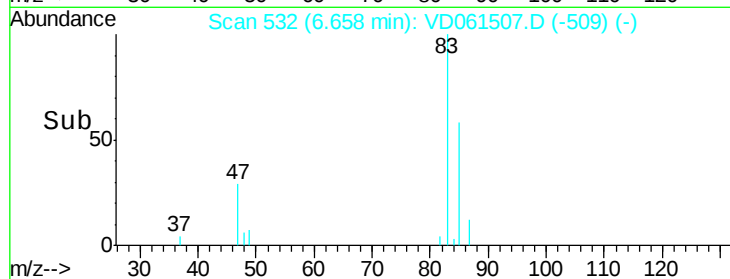
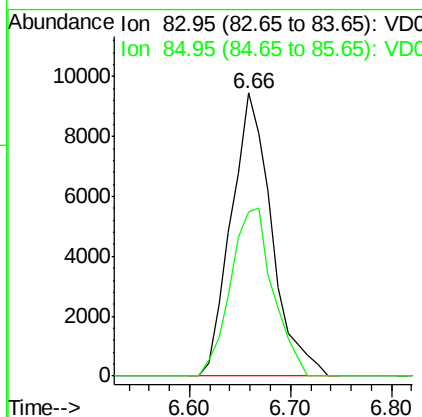
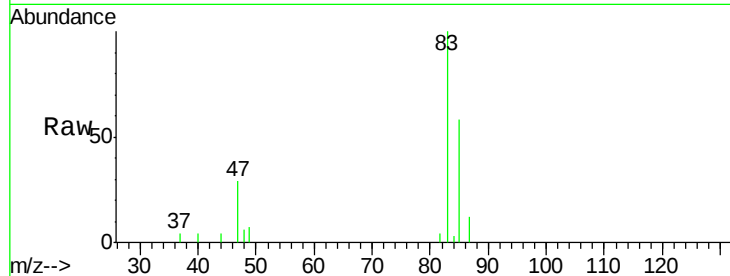




#30
Chloroform
Concen: 2.203 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

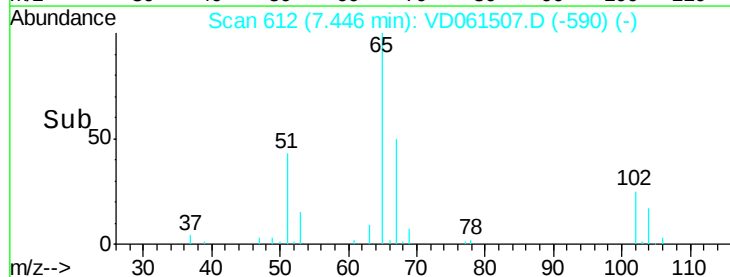
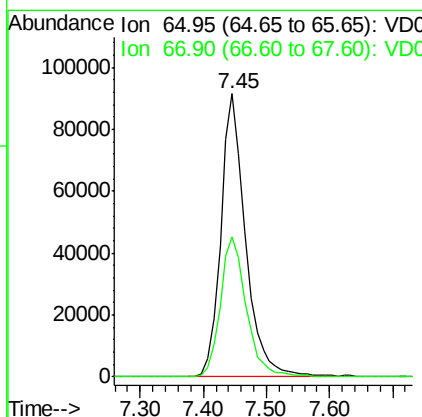
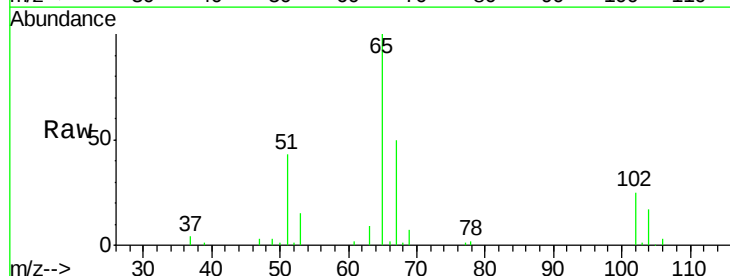
Instrument :
MSVOA_D
ClientSampleId :
TP-5S1

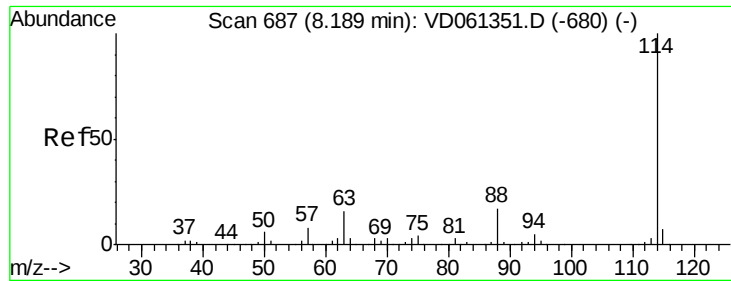
Tot Ion: 83 Resp: 26462
Ion Ratio Lower Upper
83 100
85 58.0 53.0 79.4



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 65 Resp: 249543
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.8

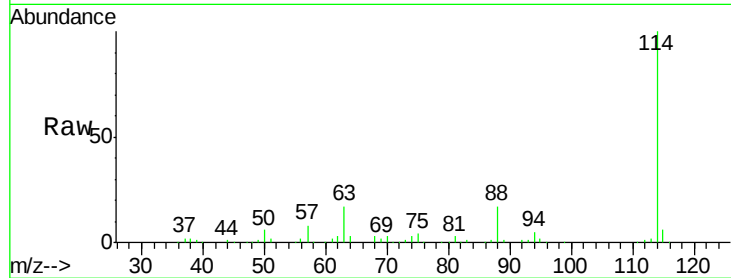




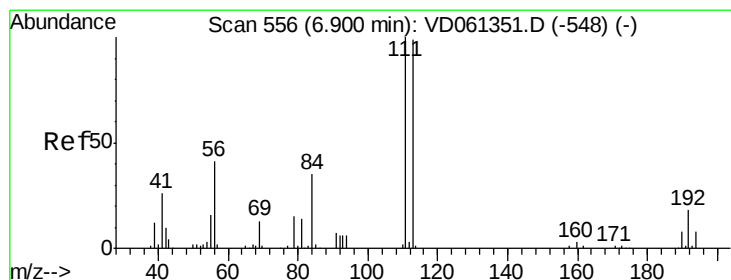
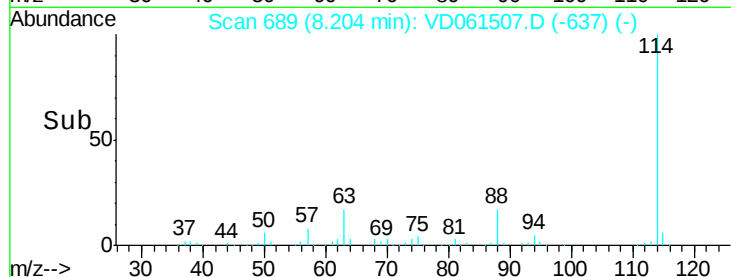
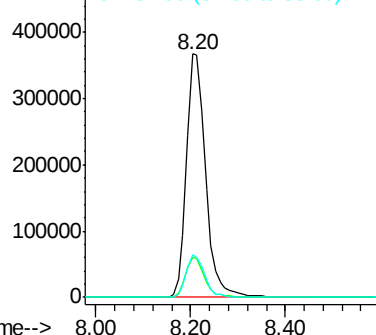
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5S1

Tot Ion:114 Resp: 1034320
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 17.4 0.0 33.4

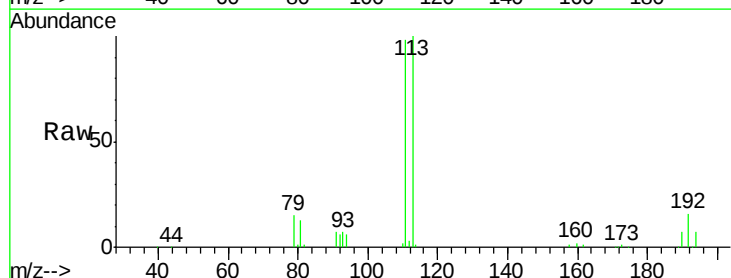


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

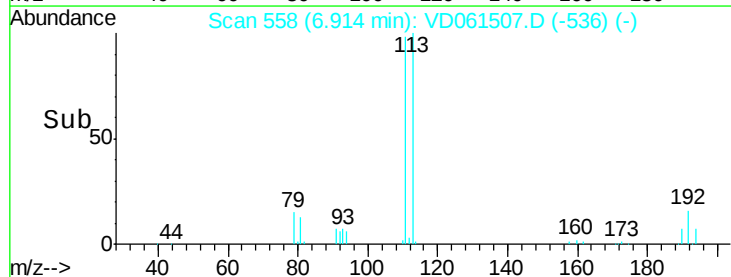
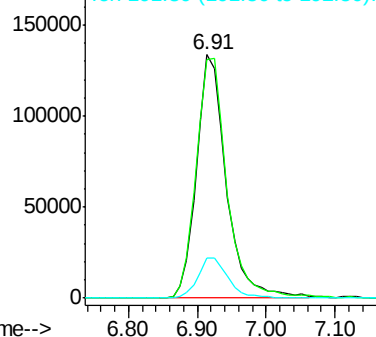


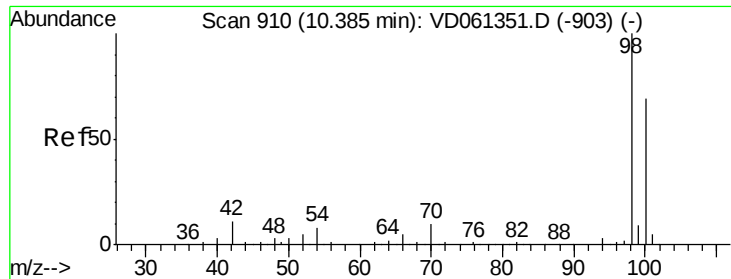
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

Tgt Ion:113 Resp: 398760
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.0 121.6
 192 16.2 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

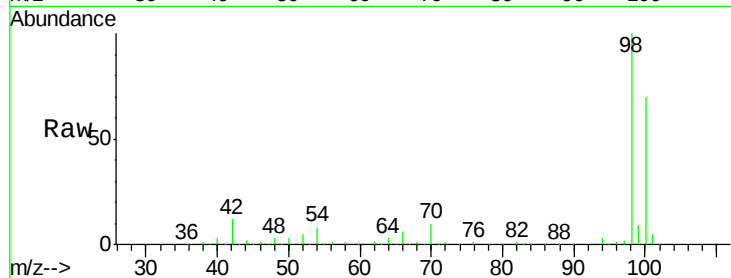




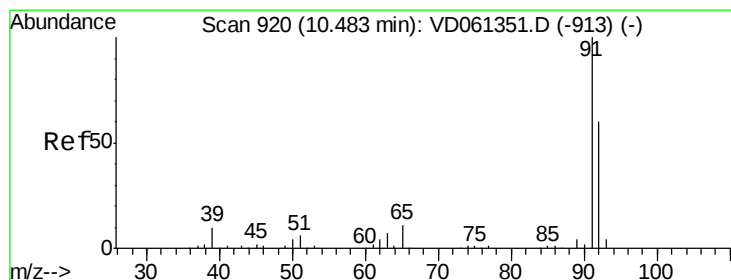
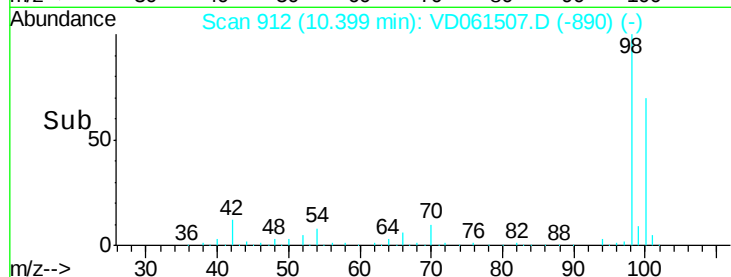
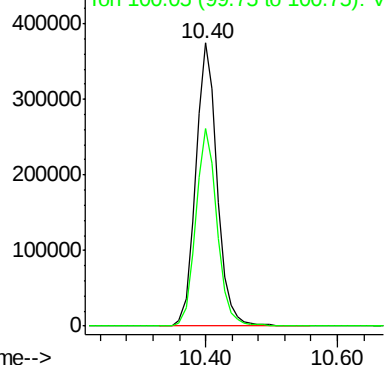
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Instrument :
MSVOA_D
ClientSampled :
TP-5S1

Tot Ion: 98 Resp: 853334
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2

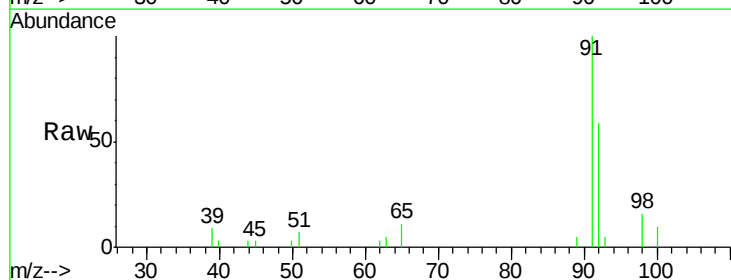


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

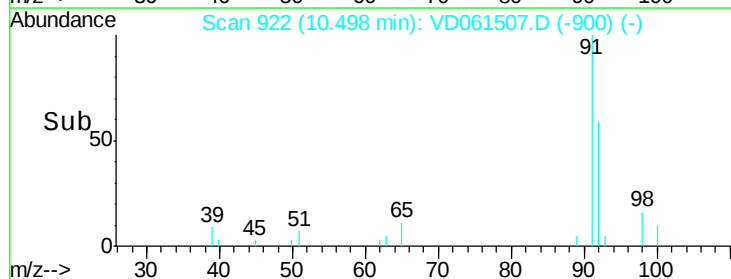
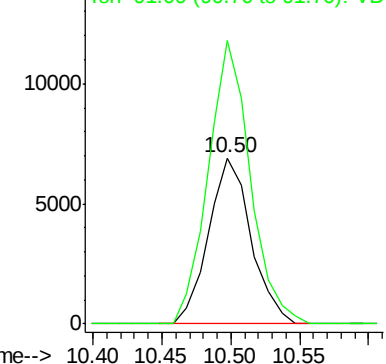


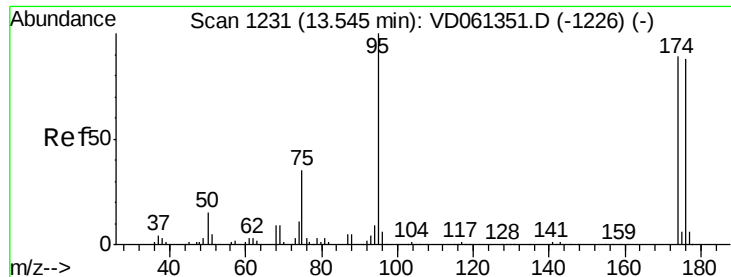
#52
Toluene
Concen: 1.074 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 92 Resp: 14846
Ion Ratio Lower Upper
92 100
91 170.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

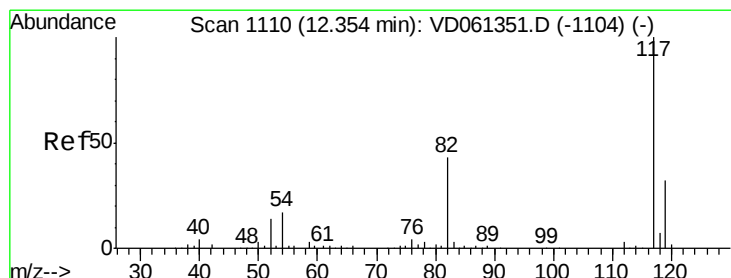
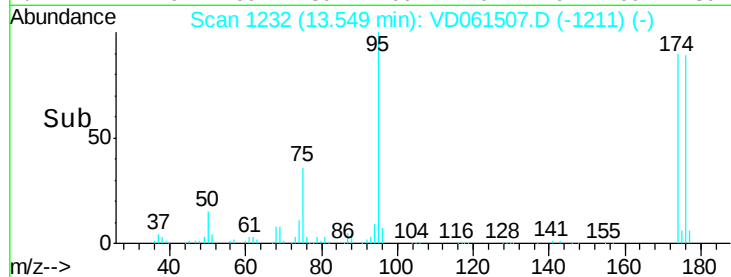
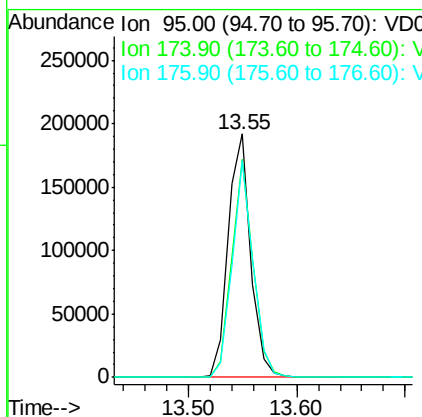
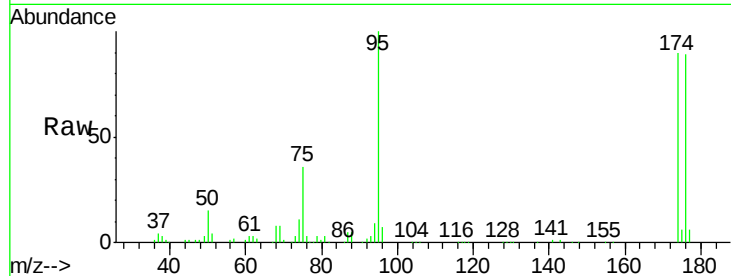




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

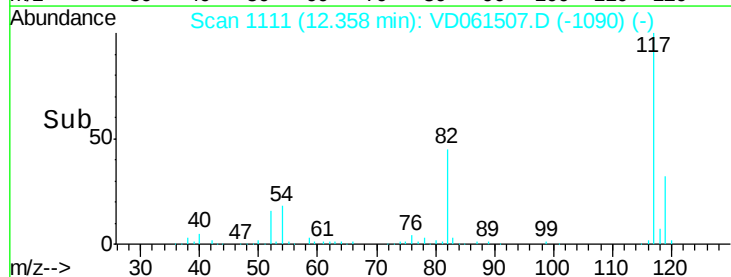
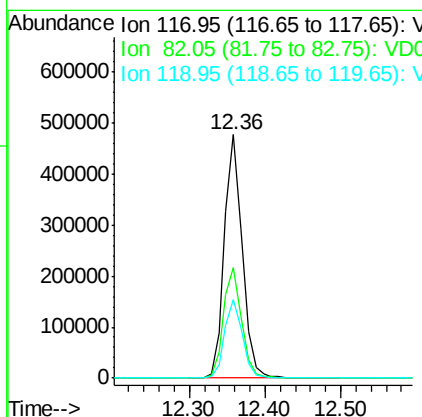
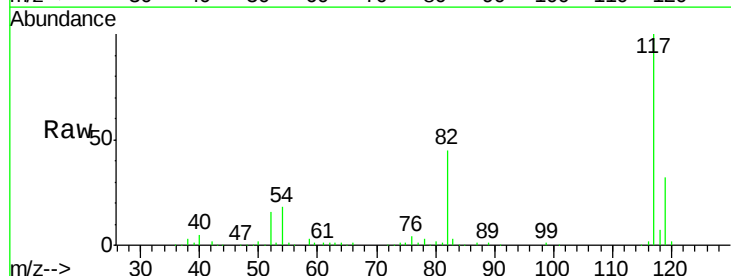
Instrument :
MSVOA_D
ClientSampleId :
TP-5S1

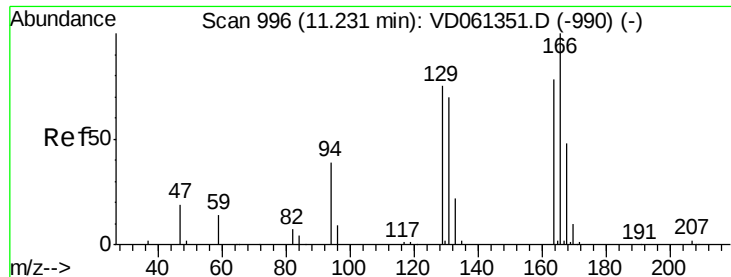
Tot Ion: 95 Resp: 276663
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 88.8 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 117 Resp: 784234
Ion Ratio Lower Upper
117 100
82 45.3 34.4 51.6
119 32.1 25.8 38.6





#64

Tetrachloroethene

Concen: 5.739 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.01 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

TP-5S1

Tot Ion:164 Resp: 35322

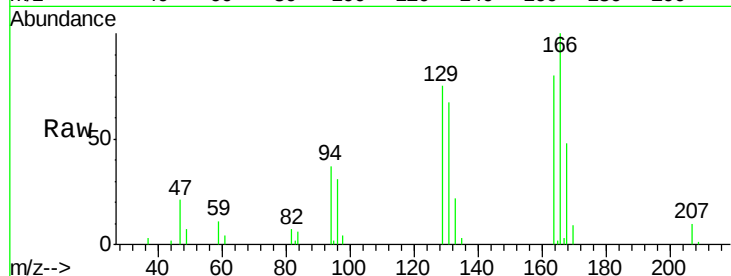
Ion Ratio Lower Upper

164 100

166 124.7 102.4 153.6

129 93.5 76.8 115.2

131 84.0 71.8 107.6

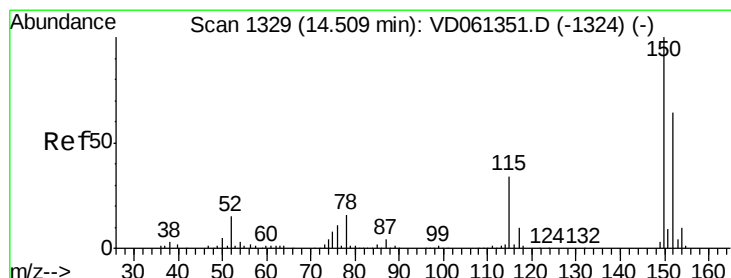
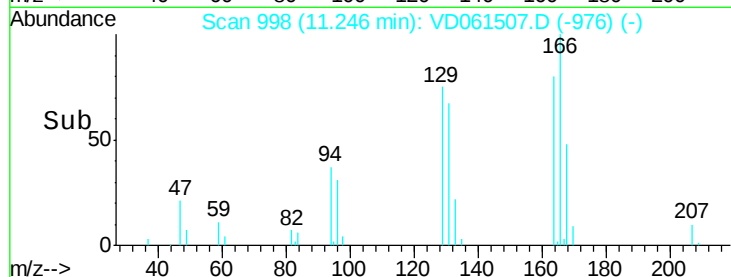
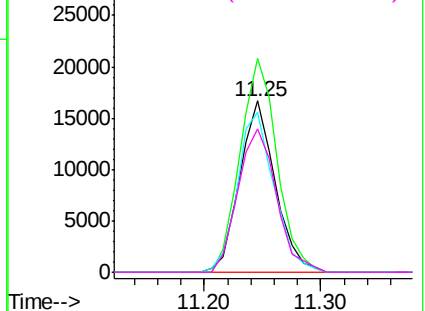


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

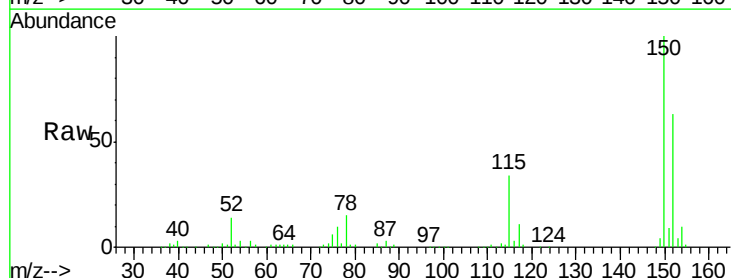
Tgt Ion:152 Resp: 256786

Ion Ratio Lower Upper

152 100

115 53.2 26.9 80.6

150 158.4 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

