

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061574.D
 Acq On : 3 Apr 2019 23:54
 Operator : VA/AP
 Sample : K2197-01
 Misc : 5.69g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

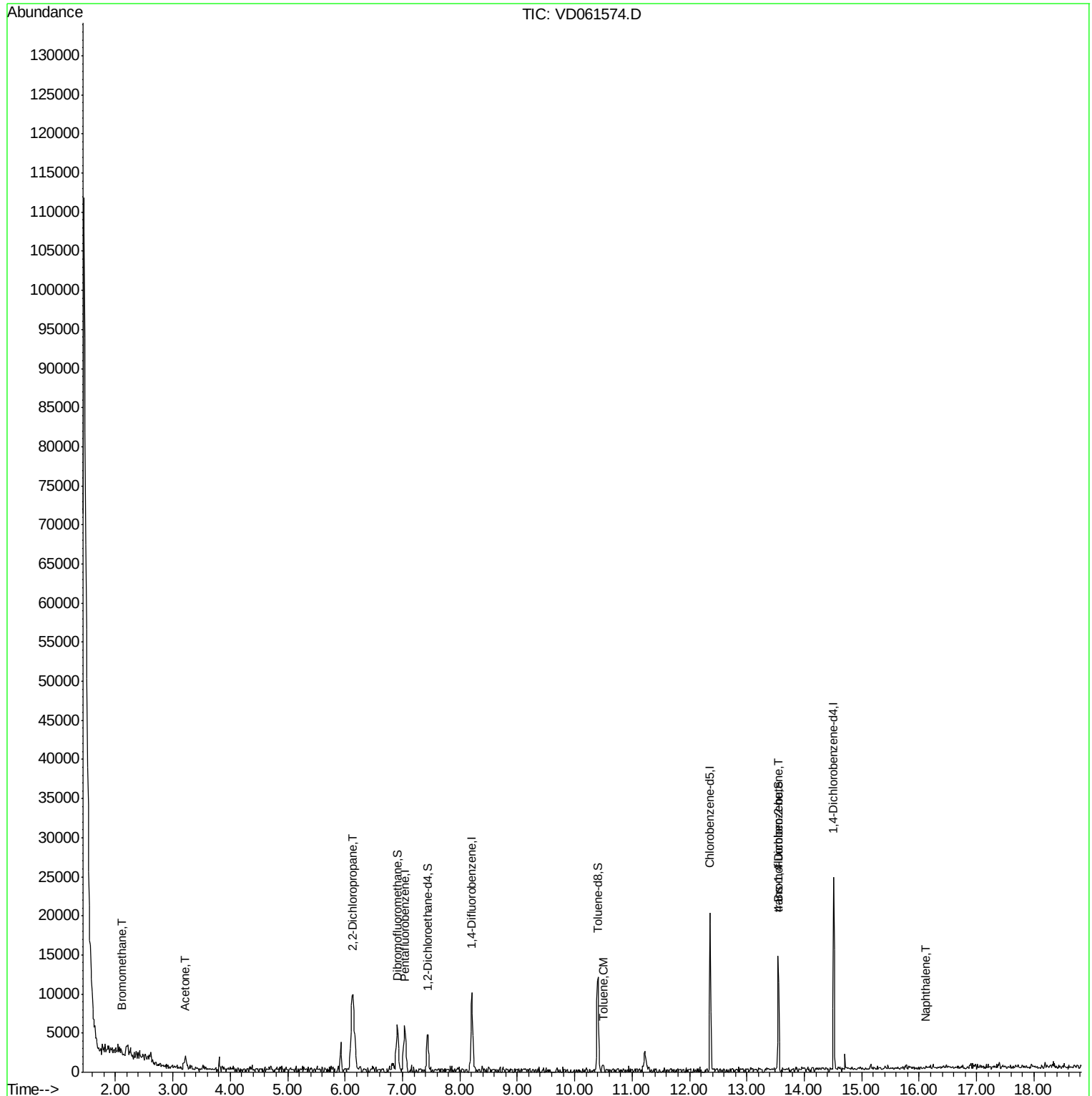
Quant Time: Apr 04 01:53:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

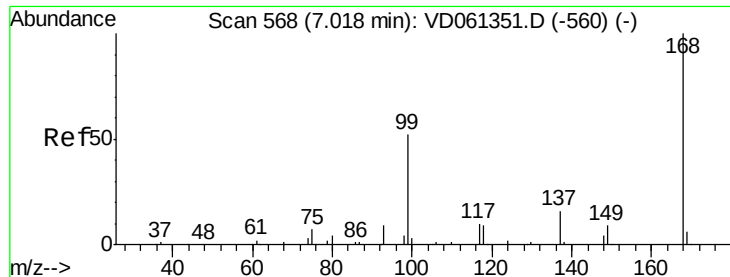
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	8894	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	16417	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	14555	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	6131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	4945	65.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.18%	
35) Dibromofluoromethane	6.91	113	6443	51.36	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.72%	
50) Toluene-d8	10.40	98	12958	43.06	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	13.55	95	5748	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	555	39.350	ug/l #	10
16) Acetone	3.22	43	3571	182.838	ug/l #	85
26) 2,2-Dichloropropane	6.14	77	183	1.390	ug/l #	50
52) Toluene	10.49	92	240	1.094	ug/l #	66
81) trans-1,4-Dichloro-2-buten	13.55	75	2362	87.471	ug/l #	18
95) Naphthalene	16.11	128	200	1.639	ug/l #	70

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

```
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ALS Vial  : 22 Sample Multiplier: 1
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Quant Time: Apr 04 01:53:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

Instrument :

MSVOA_D

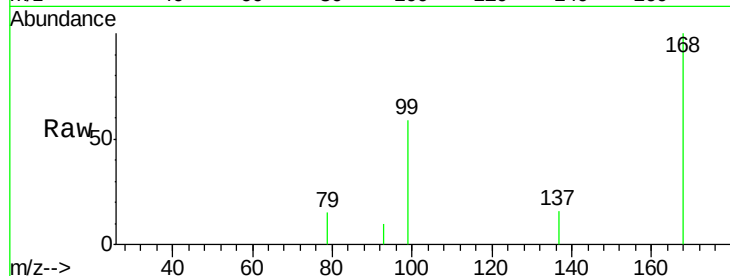
ClientSampleId :

Tot Ion:168 Resp: 8894

Ion Ratio Lower Upper

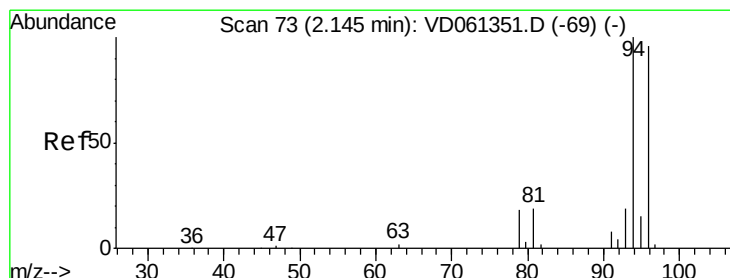
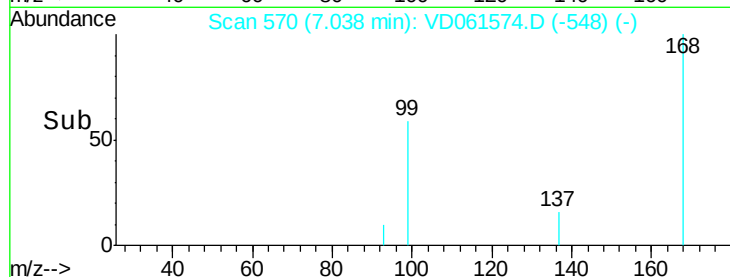
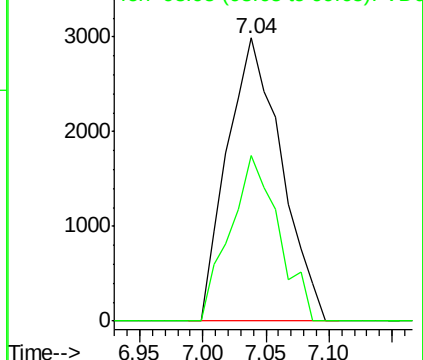
168 100

99 58.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 39.350 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

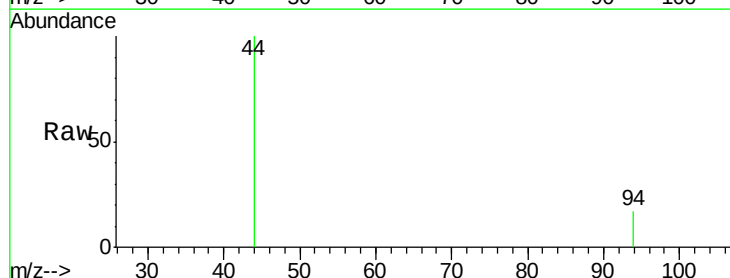
Tgt Ion: 94 Resp: 555

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

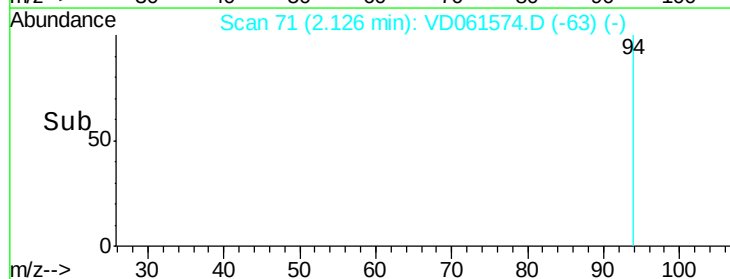
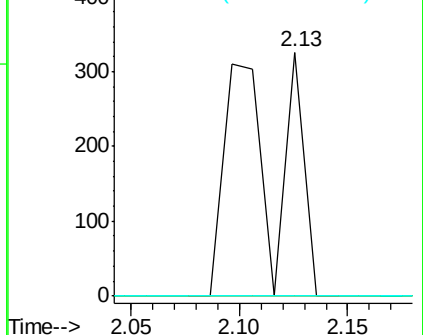
93 0.0 15.6 23.4#

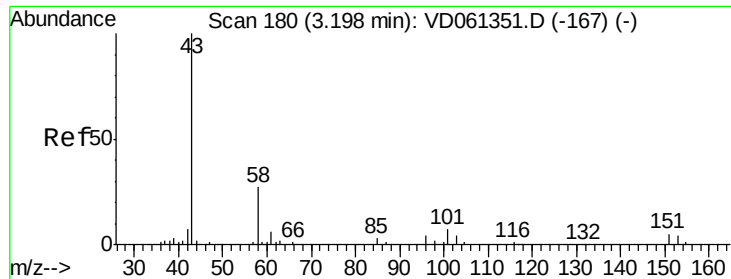


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 182.838 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

Instrument :

MSVOA_D

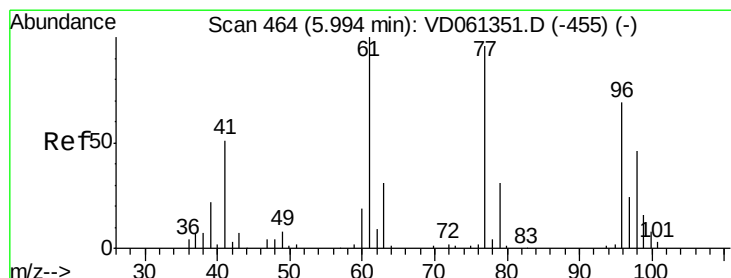
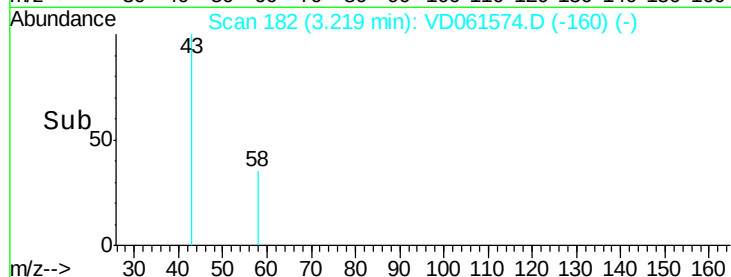
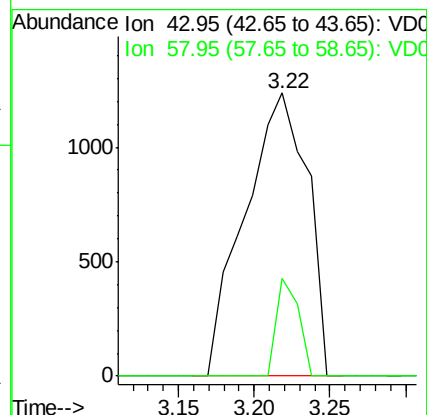
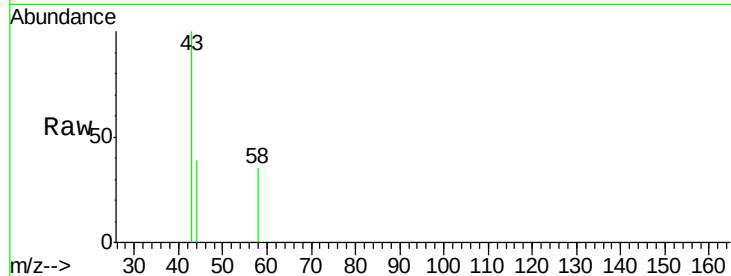
ClientSampleId :

Tot Ion: 43 Resp: 3571

Ion Ratio Lower Upper

43 100

58 34.7 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.390 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.15 min

Lab File: VD061574.D

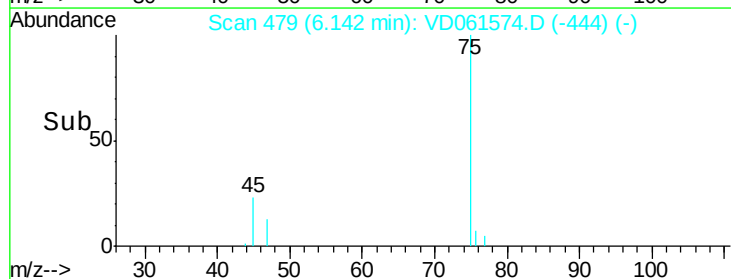
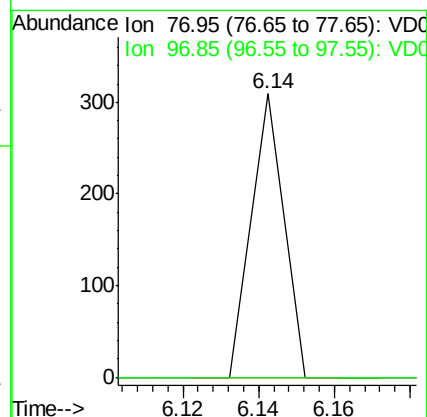
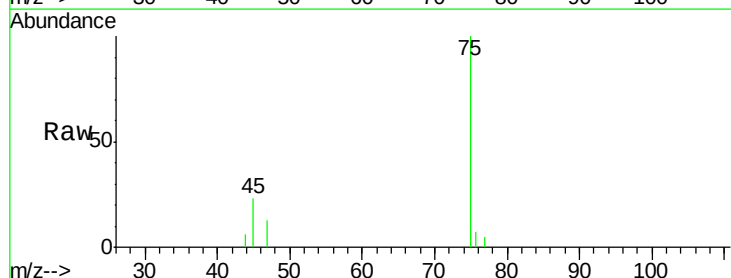
Acq: 3 Apr 2019 23:54

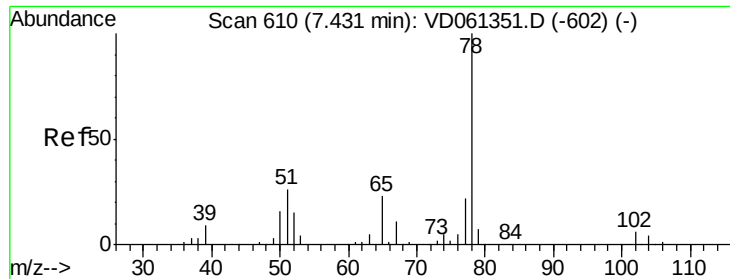
Tgt Ion: 77 Resp: 183

Ion Ratio Lower Upper

77 100

97 0.0 12.7 38.0#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

Instrument :

MSVOA_D

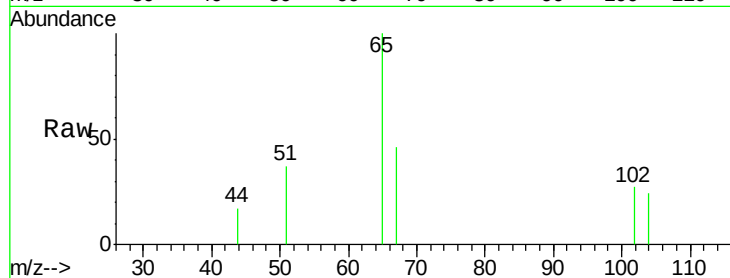
ClientSampleId :

Tot Ion: 65 Resp: 4945

Ion Ratio Lower Upper

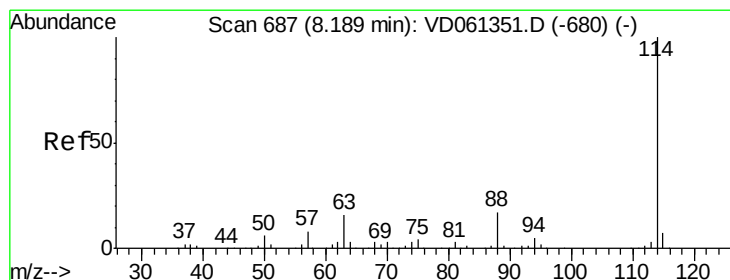
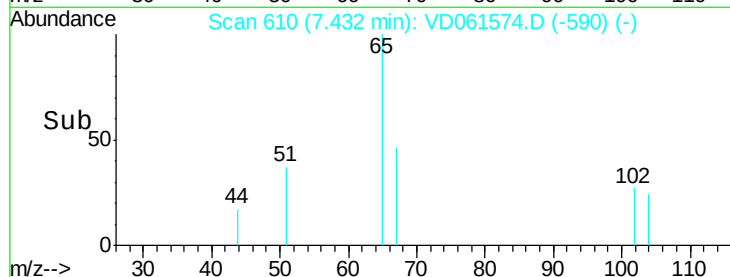
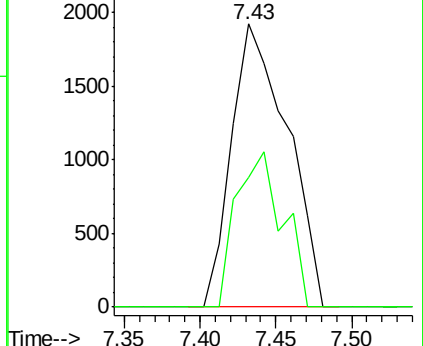
65 100

67 45.9 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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

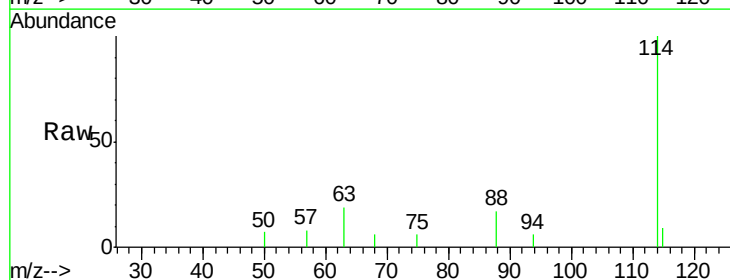
Tgt Ion: 114 Resp: 16417

Ion Ratio Lower Upper

114 100

63 18.7 0.0 31.6

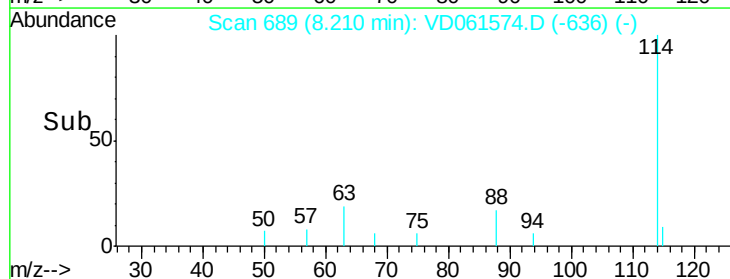
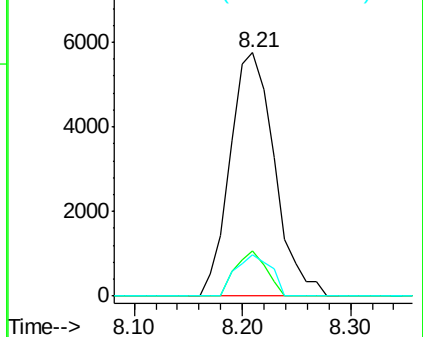
88 17.2 0.0 33.4

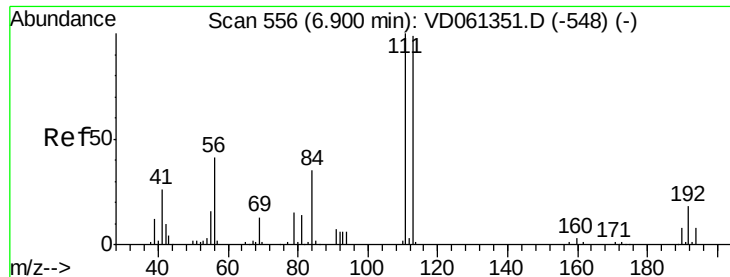


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

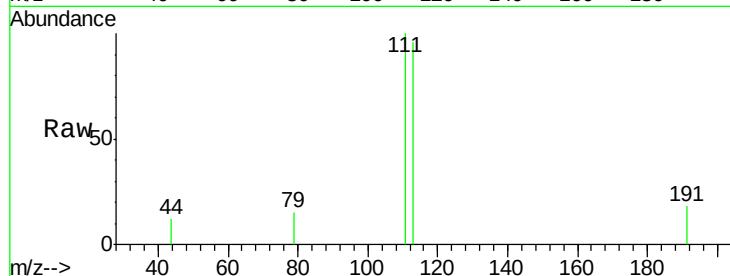
Tot Ion:113 Resp: 6443

Ion Ratio Lower Upper

113 100

111 104.1 81.0 121.6

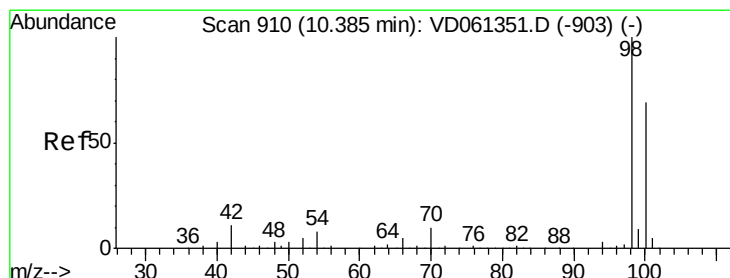
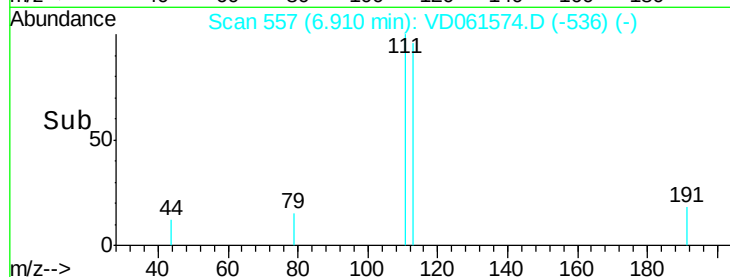
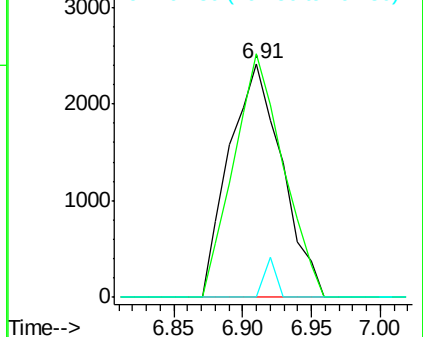
192 0.0 14.4 21.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD061574.D

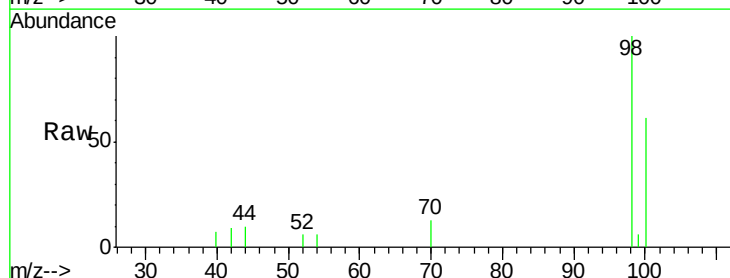
Acq: 3 Apr 2019 23:54

Tgt Ion: 98 Resp: 12958

Ion Ratio Lower Upper

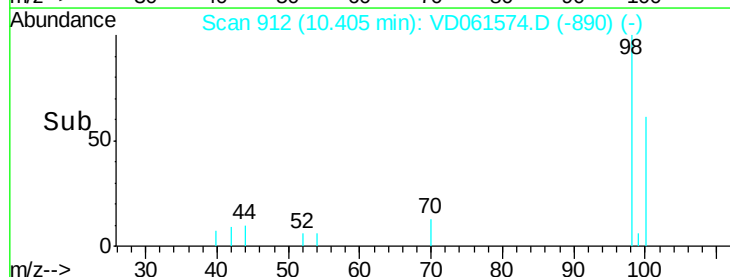
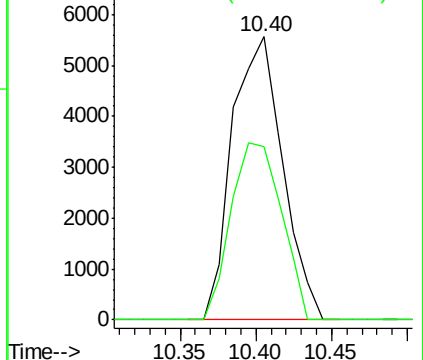
98 100

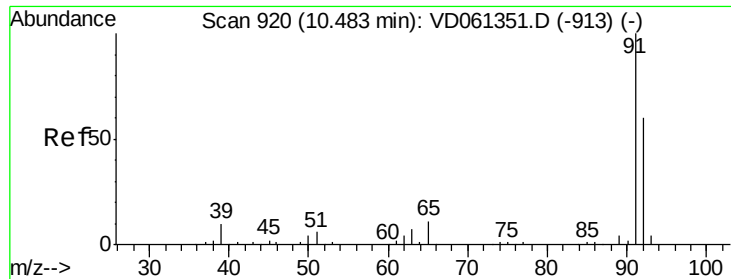
100 61.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.094 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

Instrument :

MSVOA_D

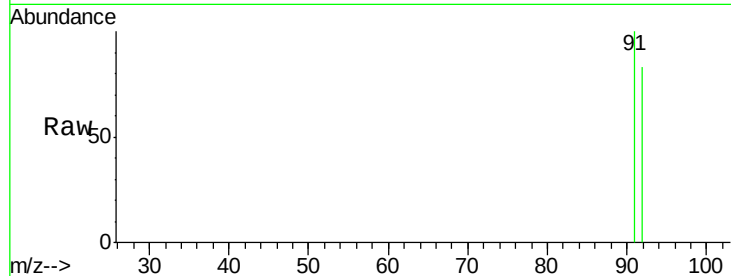
ClientSampleId :

Tot Ion: 92 Resp: 240

Ion Ratio Lower Upper

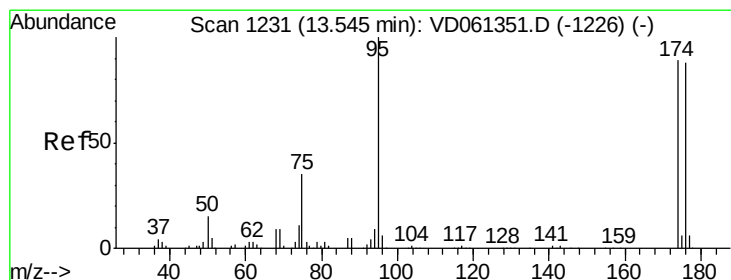
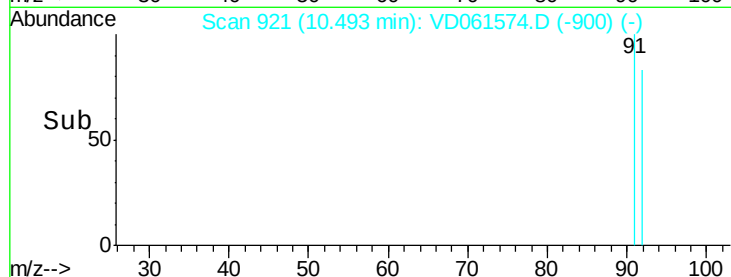
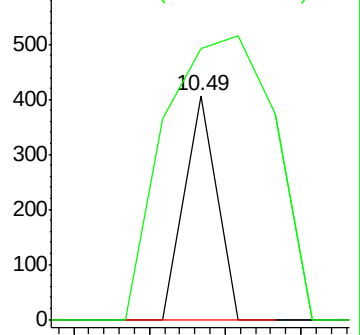
92 100

91 120.9 133.3 199.9#



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# 1231

Delta R.T. 0.00 min

Lab File: VD061574.D

Acq: 3 Apr 2019 23:54

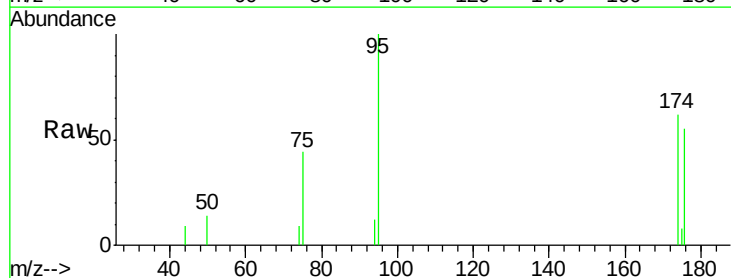
Tgt Ion: 95 Resp: 5748

Ion Ratio Lower Upper

95 100

174 62.4 0.0 178.0

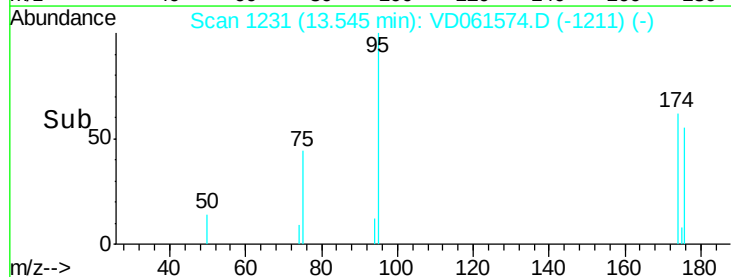
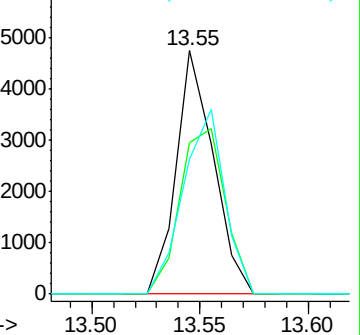
176 55.3 0.0 175.0

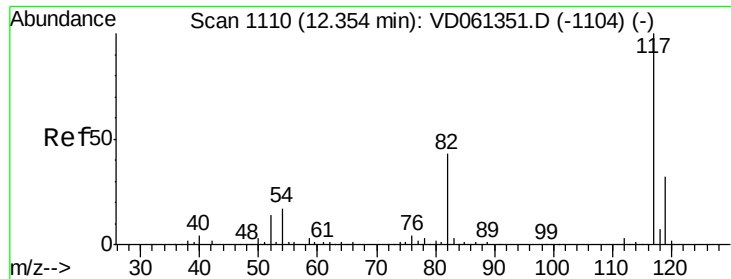


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

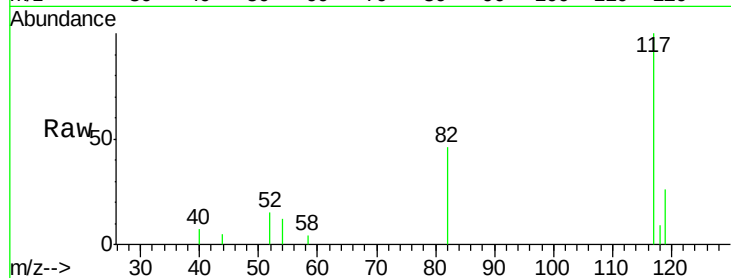




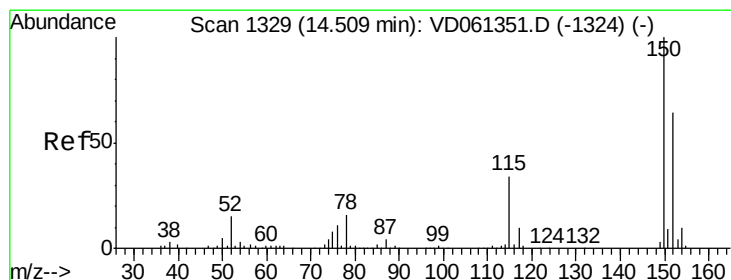
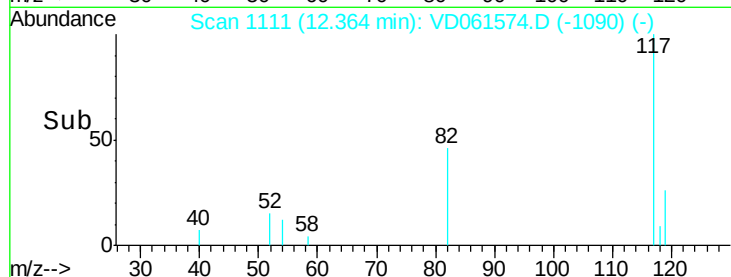
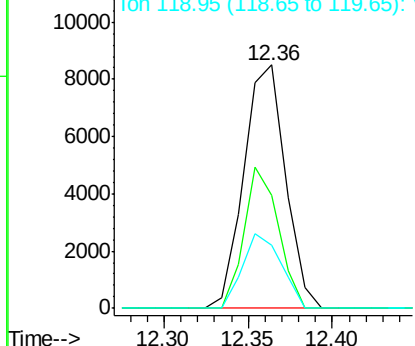
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061574.D
Acq: 3 Apr 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 14555
Ion Ratio Lower Upper
117 100
82 46.5 34.4 51.6
119 25.9 25.8 38.6

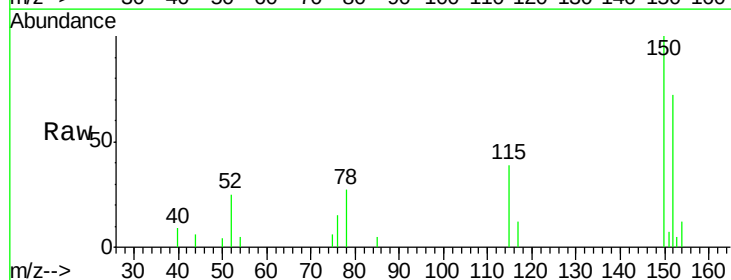


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

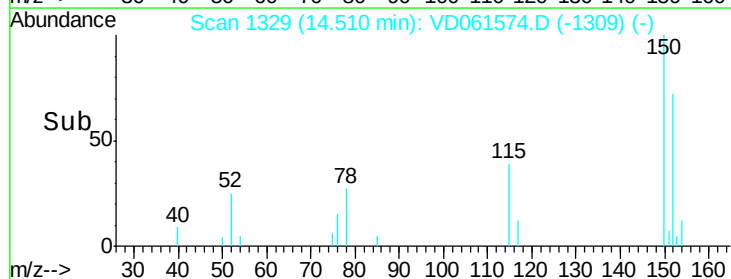
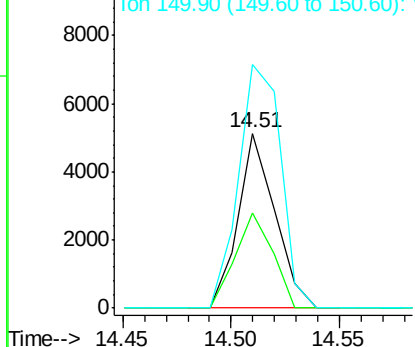


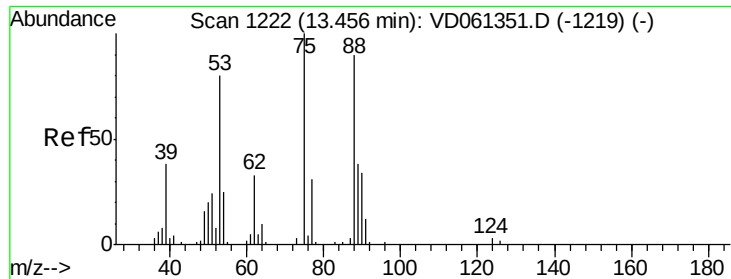
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061574.D
Acq: 3 Apr 2019 23:54

Tgt Ion:152 Resp: 6131
Ion Ratio Lower Upper
152 100
115 54.5 26.9 80.6
150 139.1 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

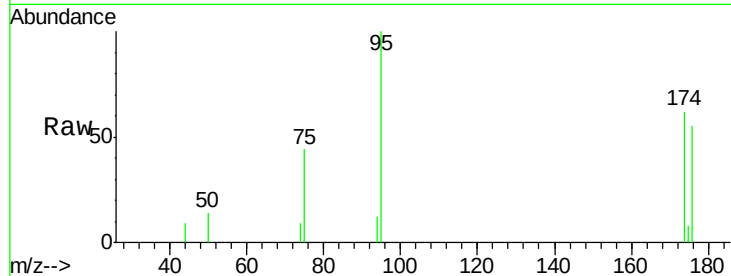




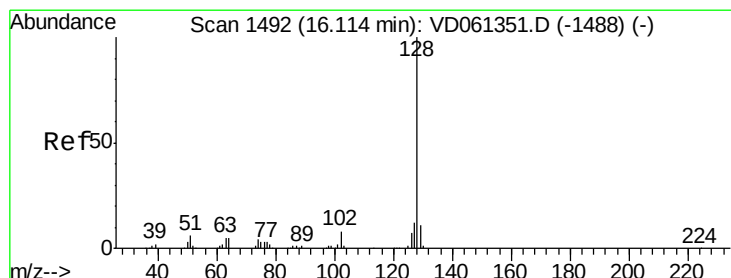
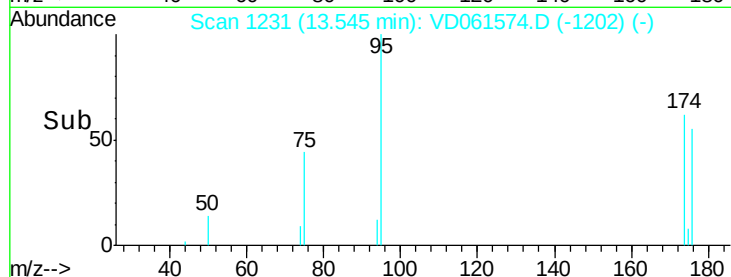
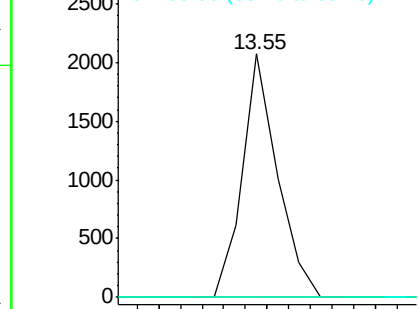
#81
trans-1,4-Dichloro-2-butene
Concen: 87.471 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061574.D
Acq: 3 Apr 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 2362
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#

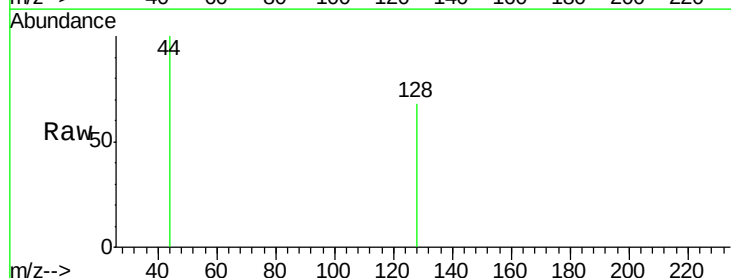


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 1.639 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061574.D
Acq: 3 Apr 2019 23:54

Tgt Ion: 128 Resp: 200
Ion Ratio Lower Upper
128 100
127 0.0 9.9 14.9#
129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

