

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061382.D
 Acq On : 28 Mar 2019 6:52
 Operator : VA/AP
 Sample : K2107-01
 Misc : 7.61g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Mar 28 07:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

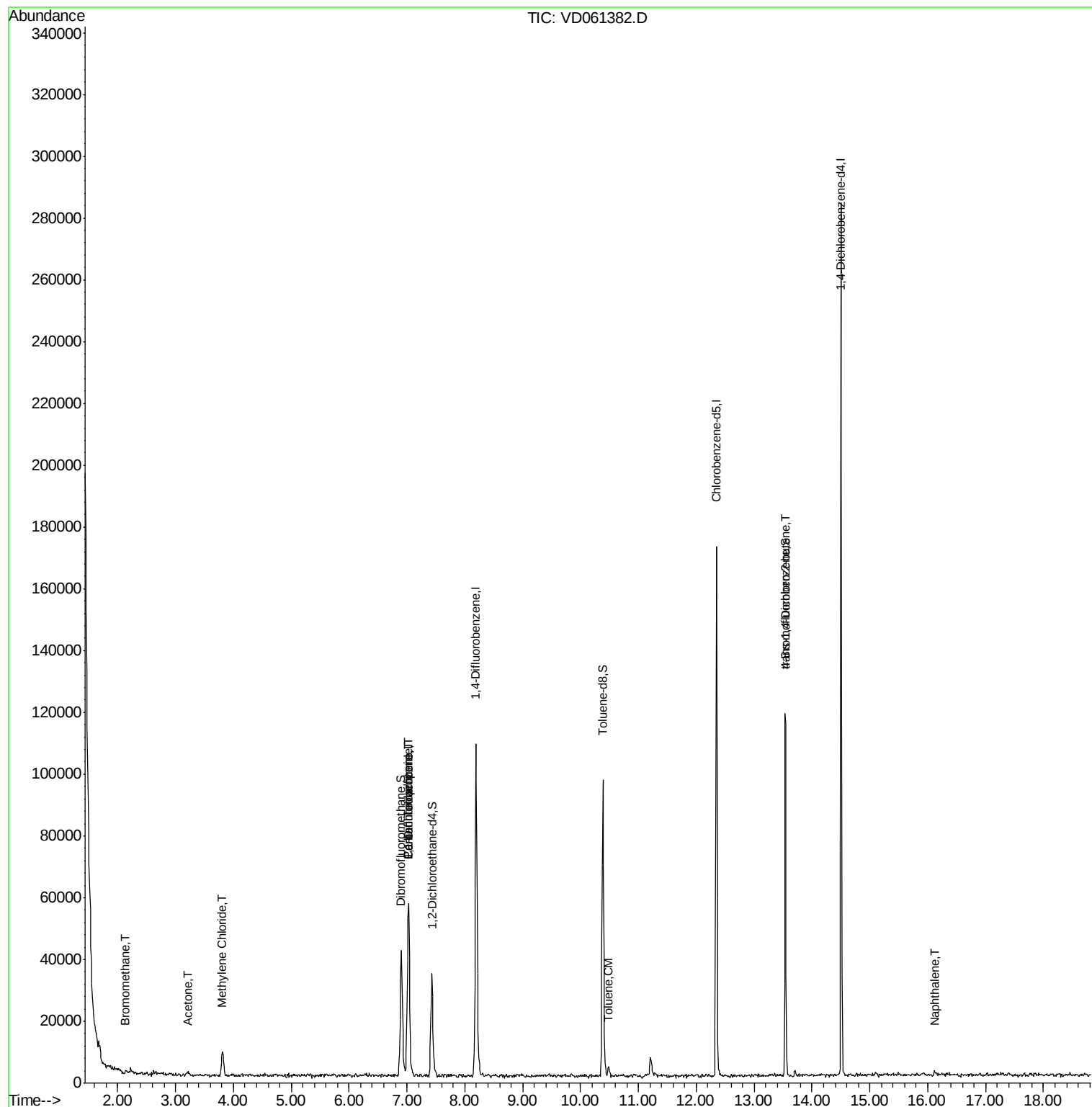
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	60502	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.19	114	134319	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	113571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	64943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	35195	68.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.20%	
35) Dibromofluoromethane	6.91	113	41872	40.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.58%	
50) Toluene-d8	10.39	98	82166	33.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.76%	
62) 4-Bromofluorobenzene	13.54	95	41608	44.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.14%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.14	94	179	1.866	ug/l #	10
16) Acetone	3.21	43	2812	21.165	ug/l #	48
20) Methylene Chloride	3.81	84	6462	7.032	ug/l #	89
36) 1,1-Dichloropropene	7.03	75	3875	3.305	ug/l #	38
38) Carbon Tetrachloride	7.03	117	5375	4.027	ug/l #	10
52) Toluene	10.47	92	2146	1.196	ug/l	83
81) trans-1,4-Dichloro-2-buten	13.54	75	15585	54.487	ug/l #	18
95) Naphthalene	16.11	128	1552	1.201	ug/l #	70

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032719\
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MSVOA_D
ClientSampleId :
TP-1

Quant Time: Mar 28 07:45:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampleID :

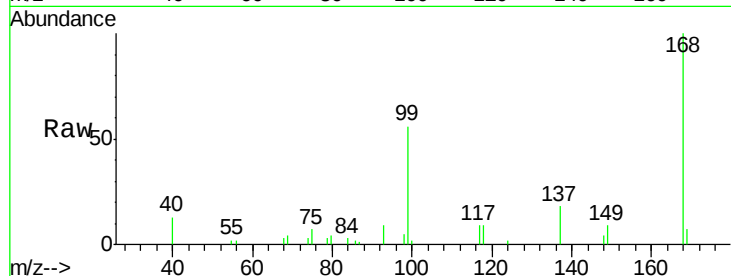
TP-1

Tot Ion:168 Resp: 60502

Ion Ratio Lower Upper

168 100

99 55.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

25000

20000

15000

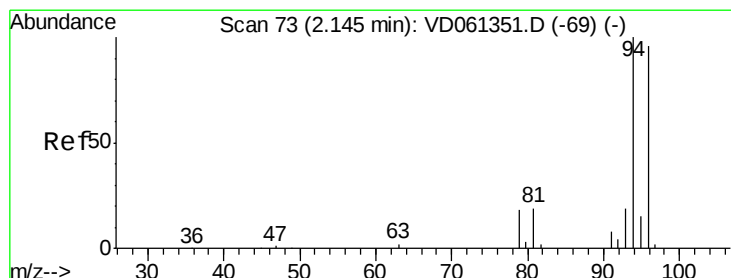
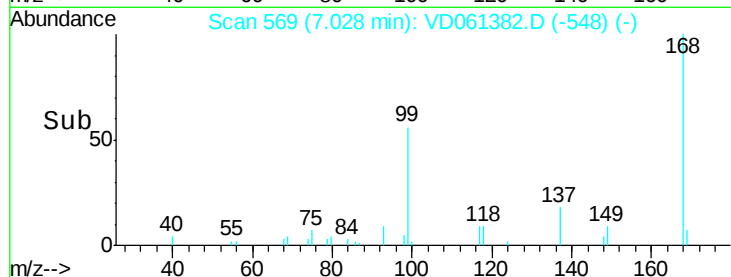
10000

5000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.866 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

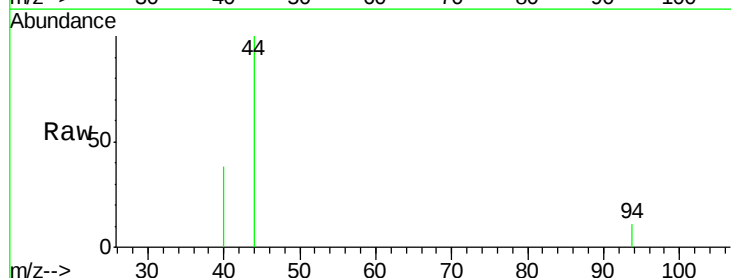
Tgt Ion: 94 Resp: 179

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

400

300

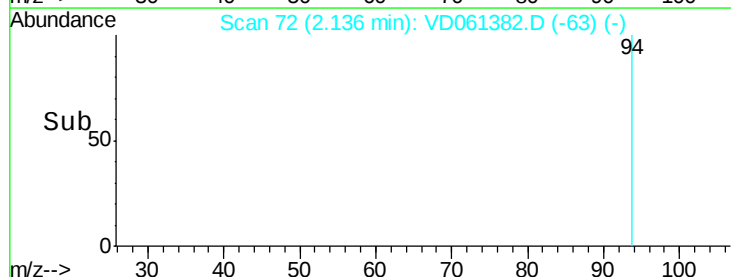
200

100

0

2.10 2.12 2.14 2.16

Time-->





#16

Acetone

Concen: 21.165 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

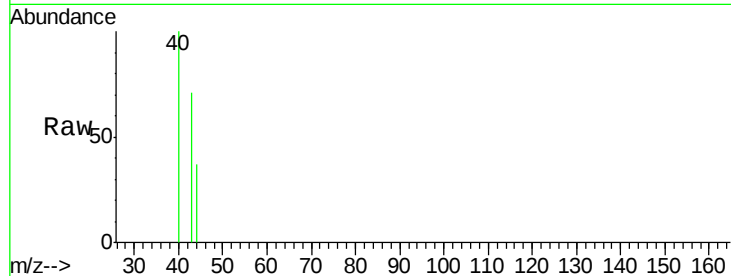
TP-1

Tot Ion: 43 Resp: 2812

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

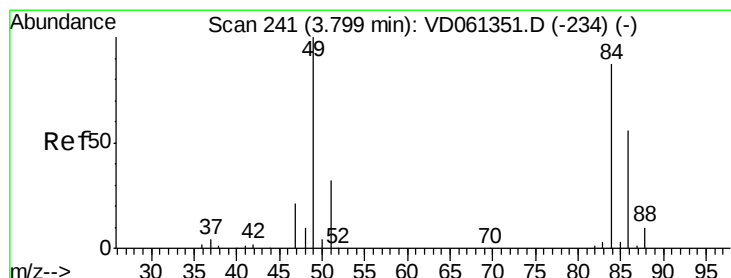
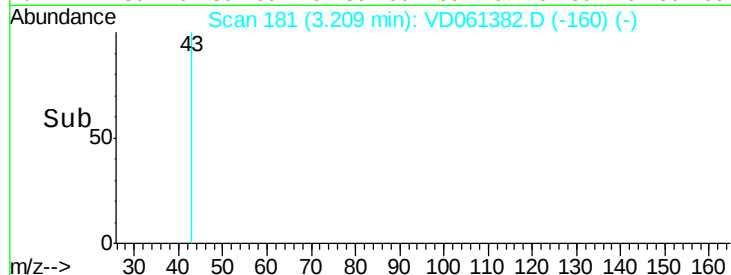
3.21

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 7.032 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Tgt Ion: 84 Resp: 6462

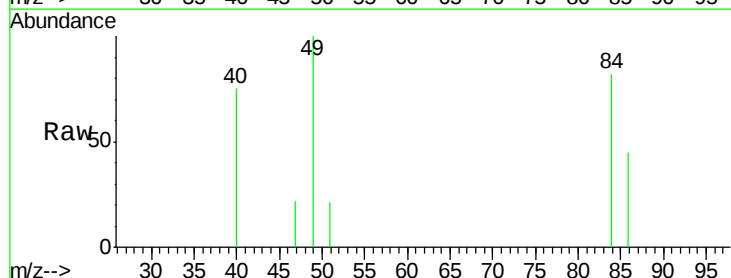
Ion Ratio Lower Upper

84 100

49 121.9 91.8 137.8

51 26.1 29.8 44.8#

86 54.5 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

3.81

4000

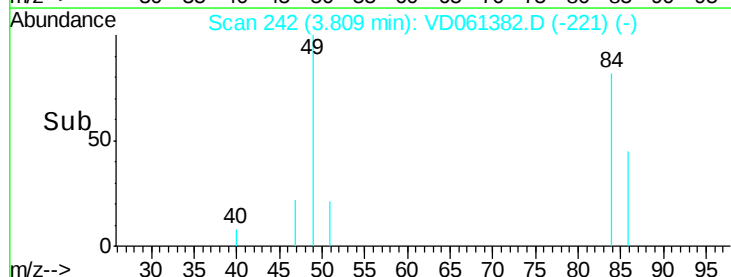
3000

2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampled :

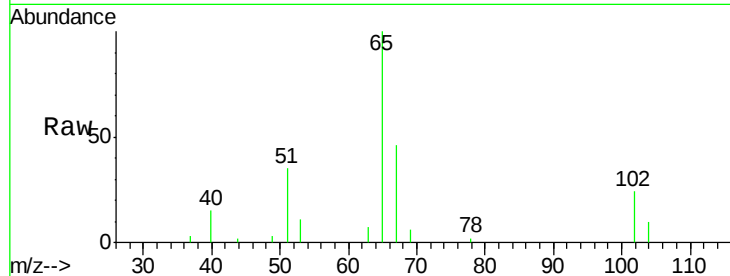
TP-1

Tot Ion: 65 Resp: 35195

Ion Ratio Lower Upper

65 100

67 46.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

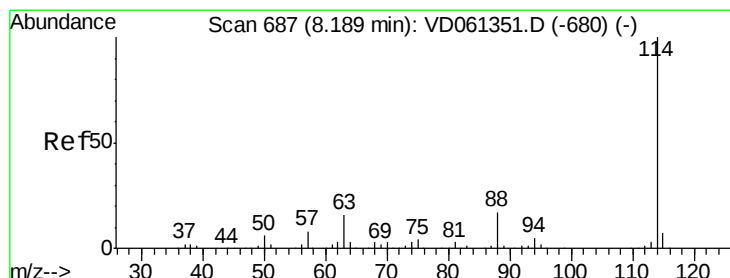
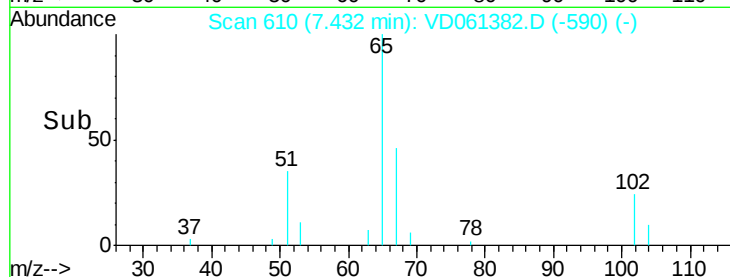
15000

10000

5000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

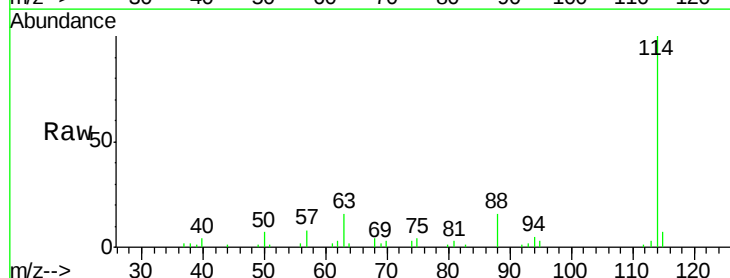
Tgt Ion: 114 Resp: 134319

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

88 16.3 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

8.19

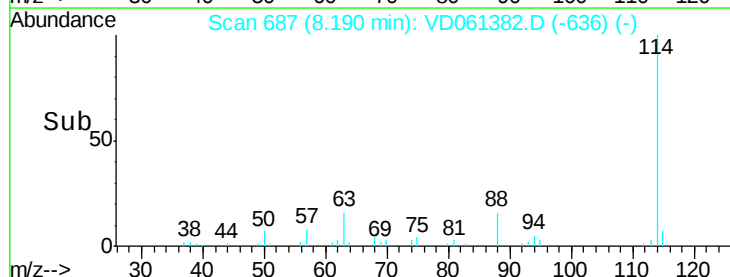
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40

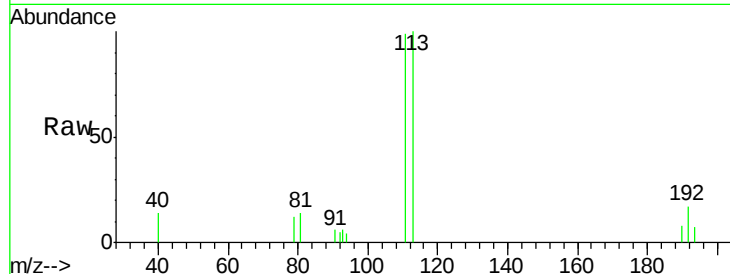




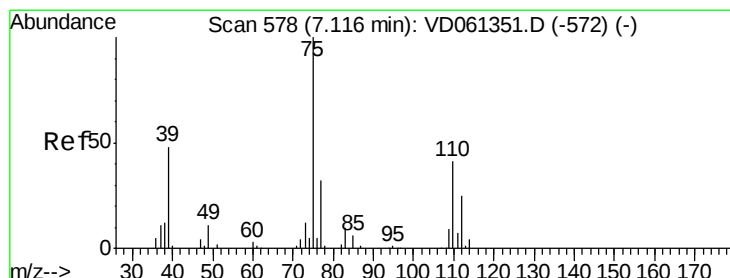
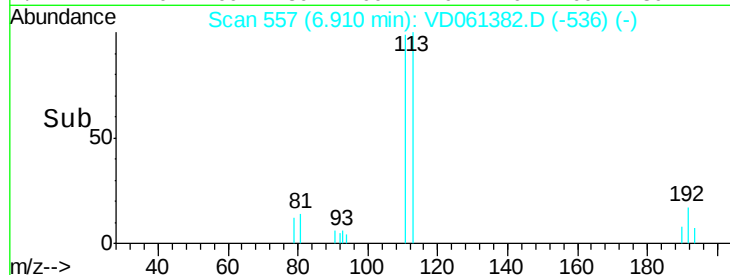
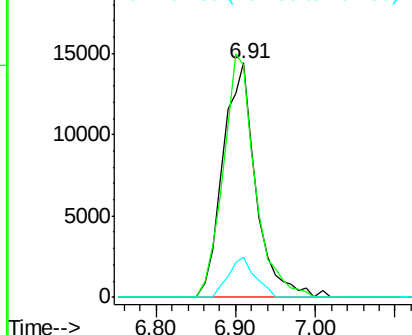
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061382.D
 Acq: 28 Mar 2019 6:52

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion:113 Resp: 41872
 Ion Ratio Lower Upper
 113 100
 111 99.2 81.0 121.6
 192 16.9 14.4 21.6

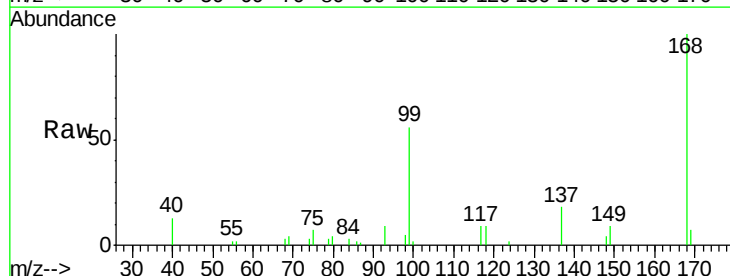


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

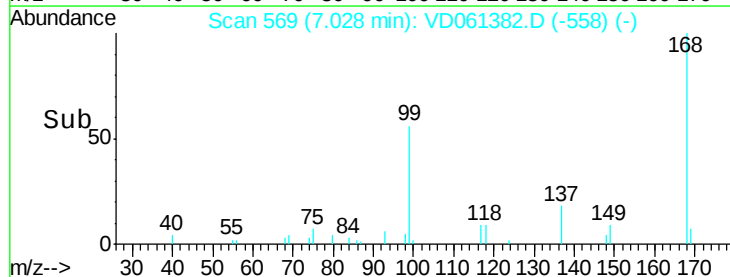
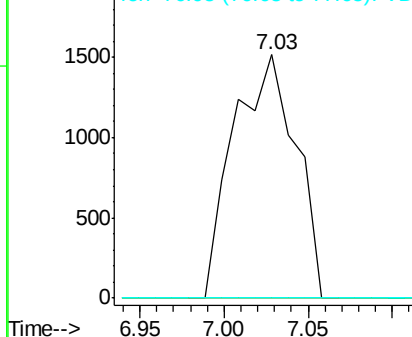


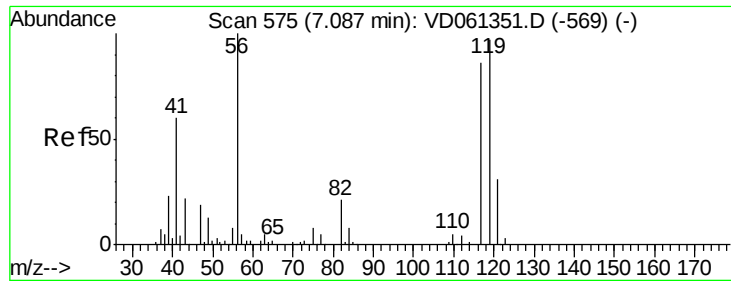
#36
 1,1-Dichloropropene
 Concen: 3.305 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD061382.D
 Acq: 28 Mar 2019 6:52

Tgt Ion: 75 Resp: 3875
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.027 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

TP-1

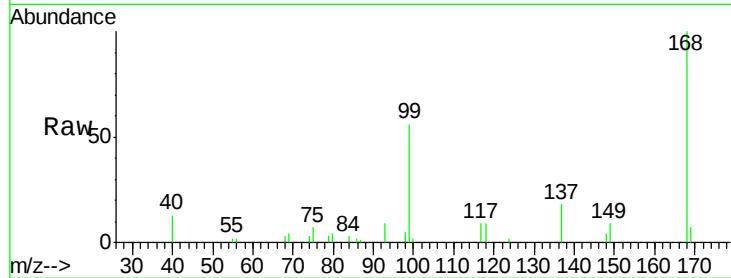
Tot Ion:117 Resp: 5375

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

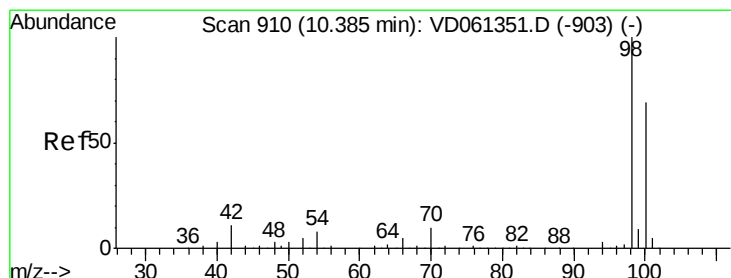
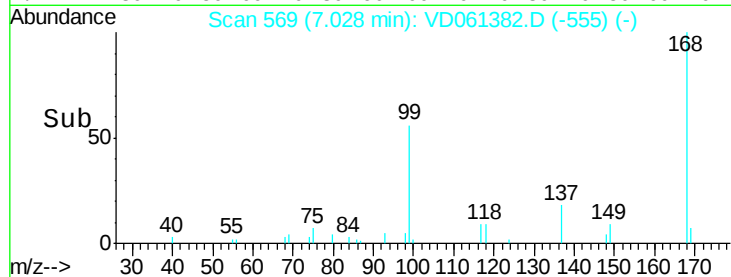
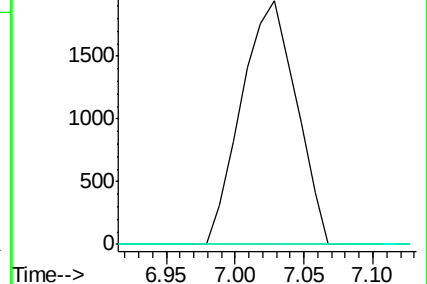
121 0.0 25.6 38.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD061382.D

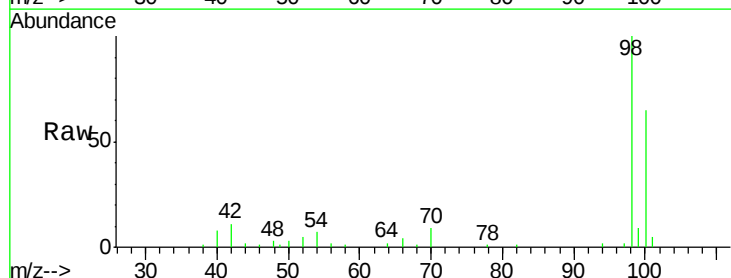
Acq: 28 Mar 2019 6:52

Tgt Ion: 98 Resp: 82166

Ion Ratio Lower Upper

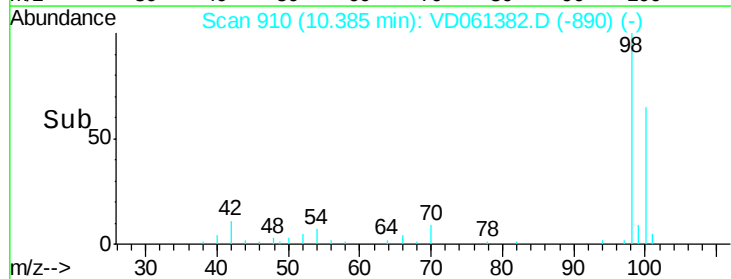
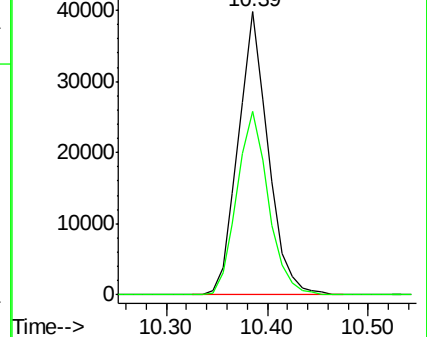
98 100

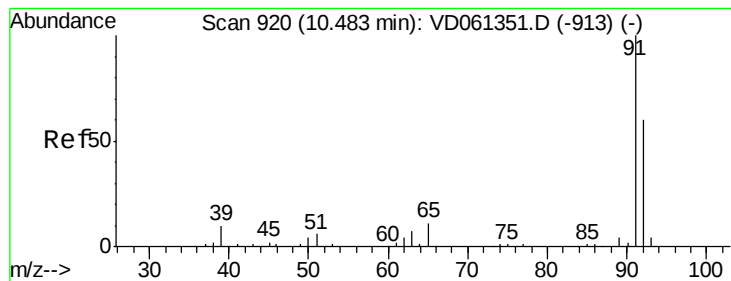
100 64.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.196 ug/l

RT: 10.47 min Scan# 919

Delta R.T. -0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampled :

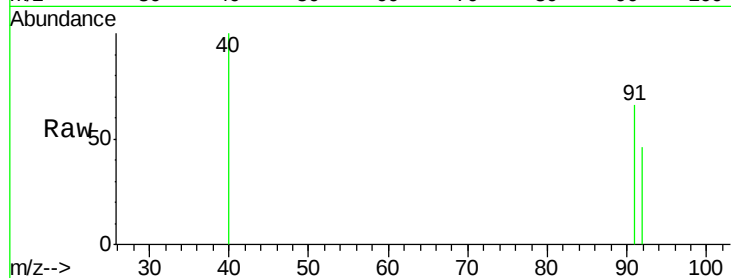
TP-1

Tot Ion: 92 Resp: 2146

Ion Ratio Lower Upper

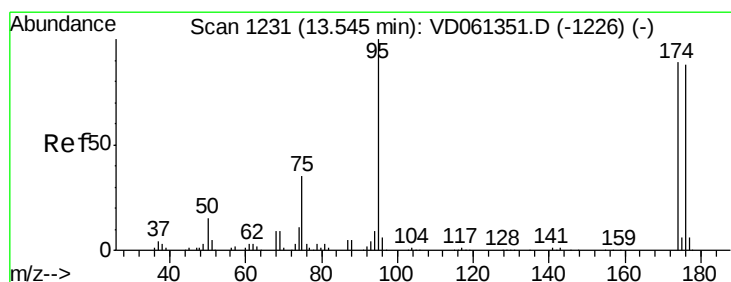
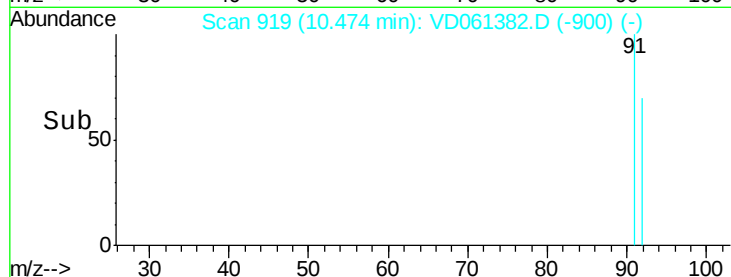
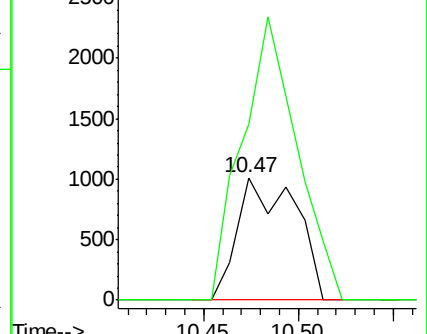
92 100

91 143.7 133.3 199.9



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: 13.54 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

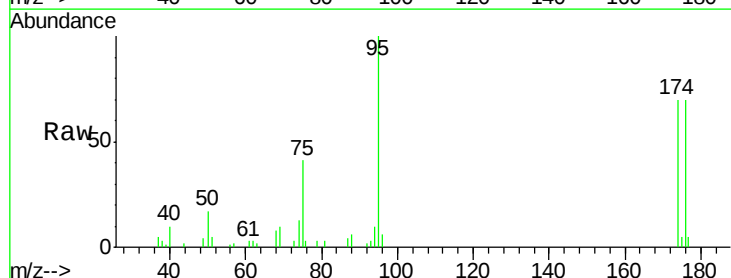
Tgt Ion: 95 Resp: 41608

Ion Ratio Lower Upper

95 100

174 70.3 0.0 178.0

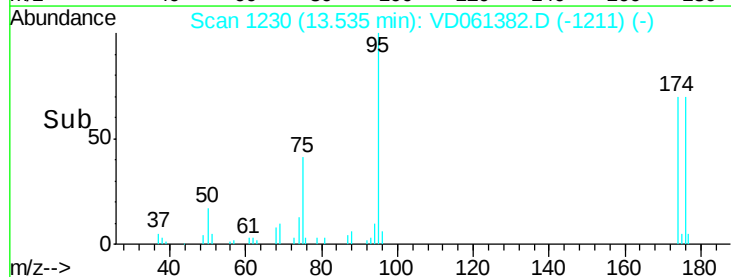
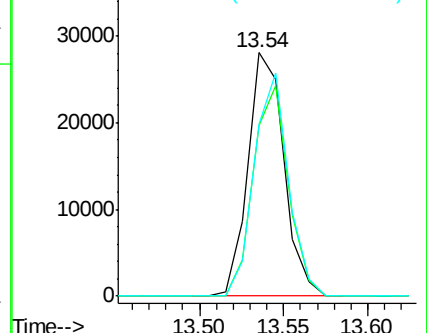
176 70.5 0.0 175.0

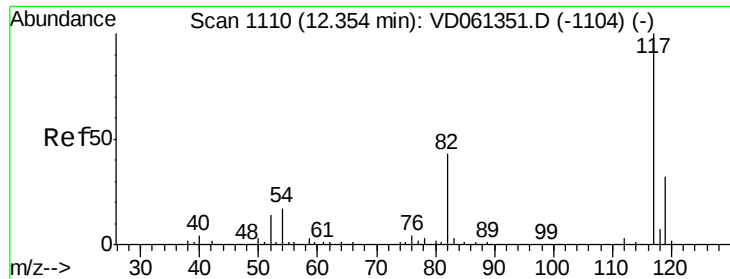


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

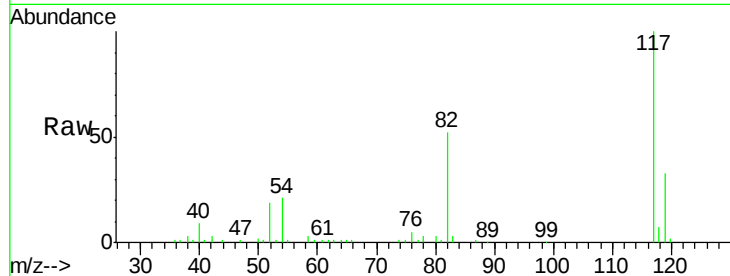




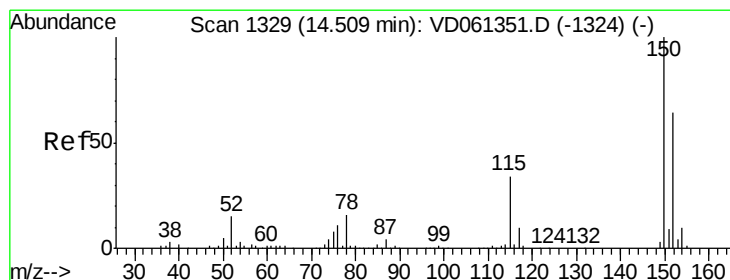
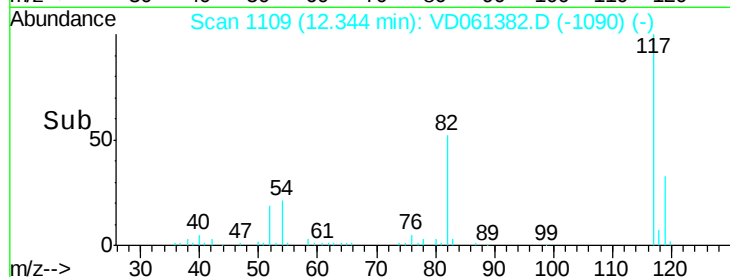
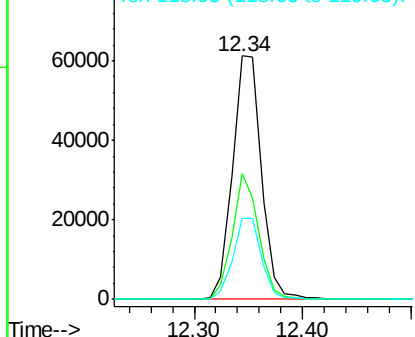
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion:117 Resp: 113571
Ion Ratio Lower Upper
117 100
82 51.5 34.4 51.6
119 33.1 25.8 38.6

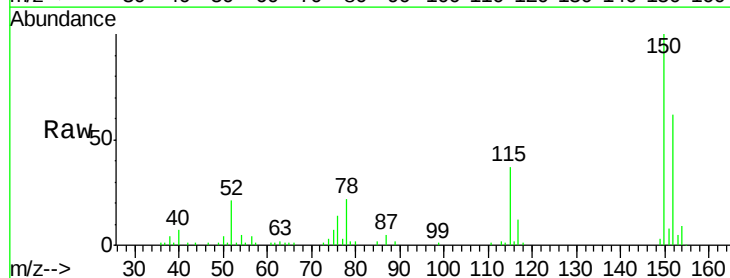


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

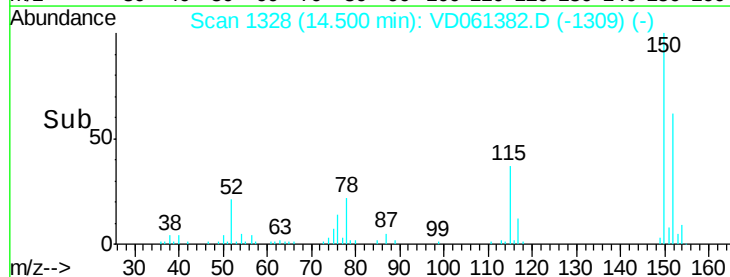
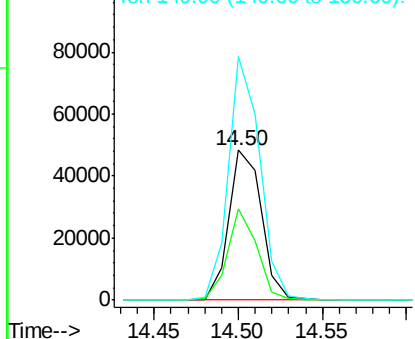


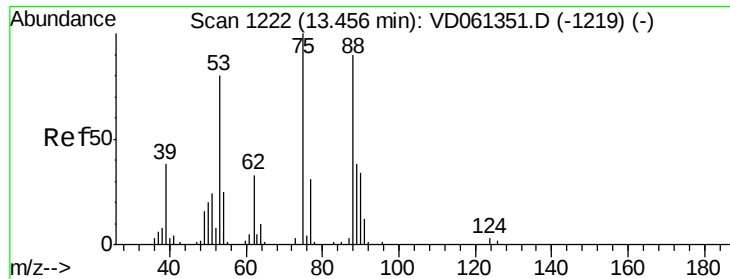
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

Tgt Ion:152 Resp: 64943
Ion Ratio Lower Upper
152 100
115 60.9 26.9 80.6
150 162.5 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: 54.487 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

TP-1

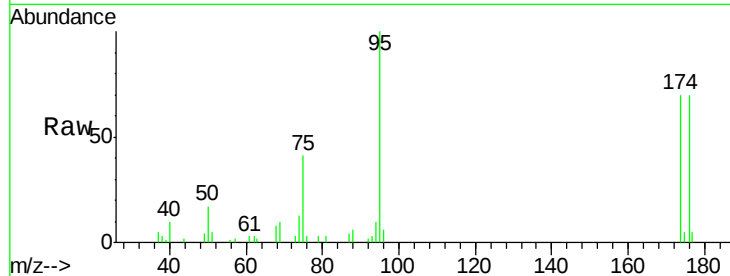
Tot Ion: 75 Resp: 15585

Ion Ratio Lower Upper

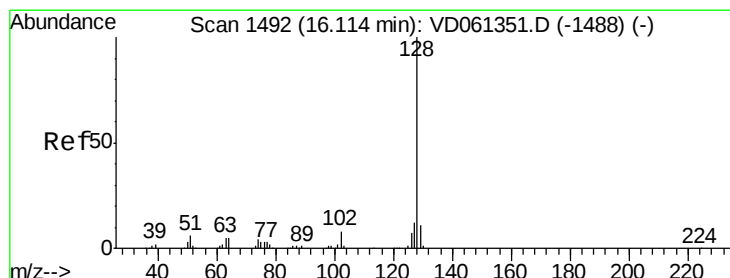
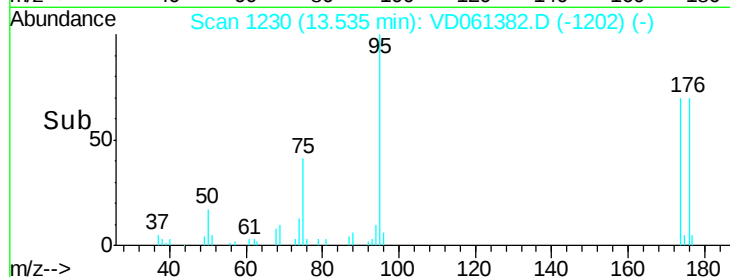
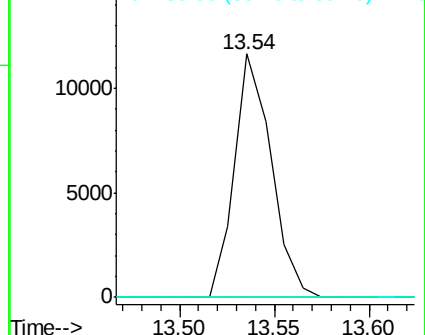
75 100

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: 1.201 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

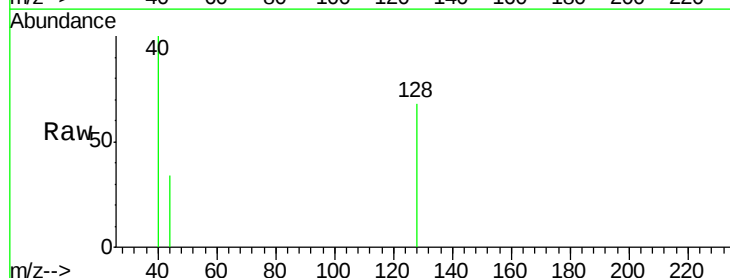
Tgt Ion: 128 Resp: 1552

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

