

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061476.D
 Acq On : 1 Apr 2019 18:47
 Operator : VA/AP
 Sample : K1689-05
 Misc : 6.41g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-032919-B

Quant Time: Apr 02 01:19:48 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

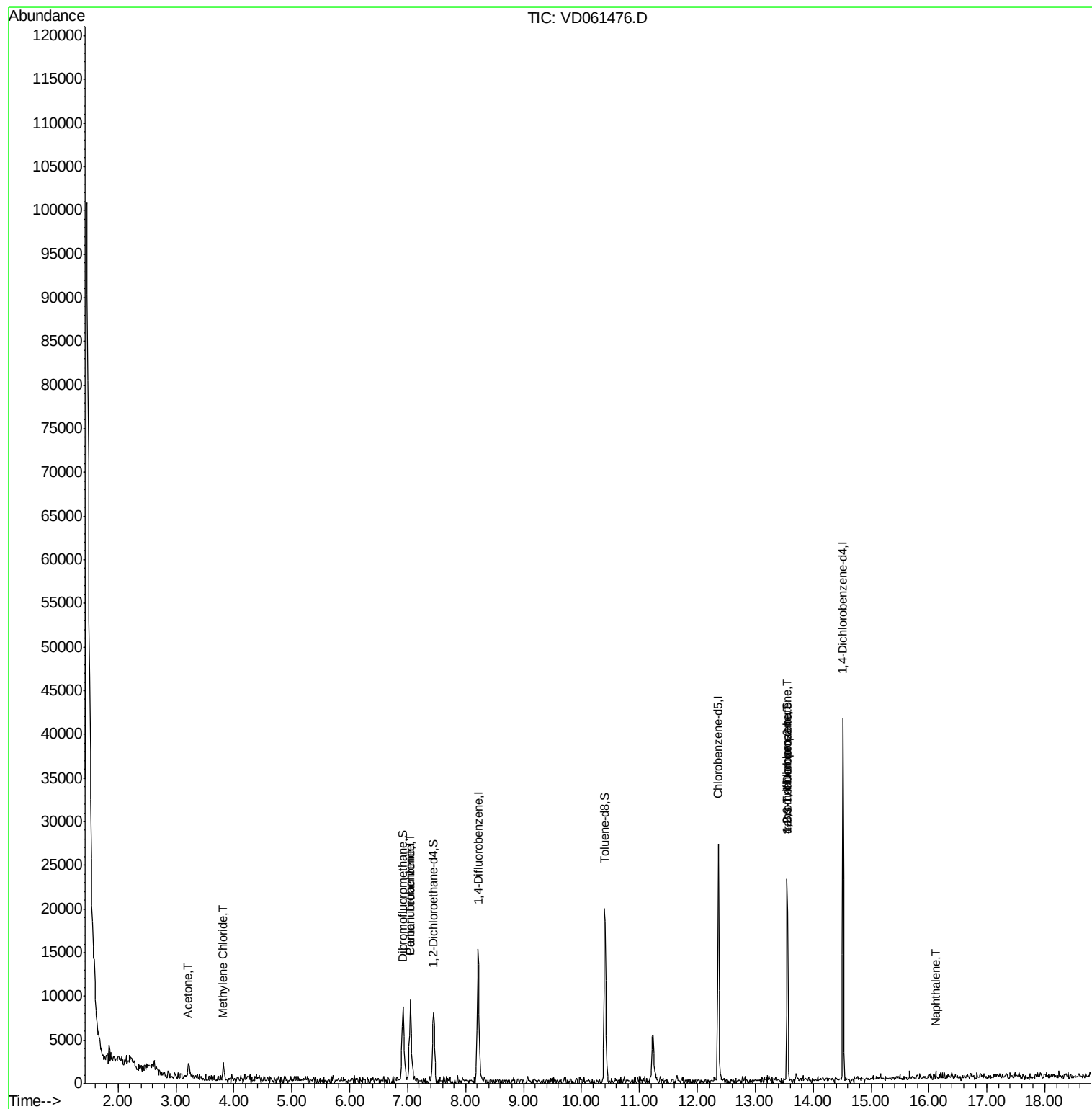
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	12982	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	24147	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	20056	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	9801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	8593	77.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	154.98%	
35) Dibromofluoromethane	6.91	113	9430	51.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.40	98	19468	43.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.98%	
62) 4-Bromofluorobenzene	13.55	95	8724	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	3668	128.666	ug/l #	48
20) Methylene Chloride	3.82	84	859	3.597	ug/l #	84
38) Carbon Tetrachloride	7.04	117	435	1.796	ug/l #	10
76) 1,2,3-Trichloropropane	13.55	75	2304	16.274	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	3068	71.072	ug/l #	18
95) Naphthalene	16.12	128	209	1.072	ug/l #	70

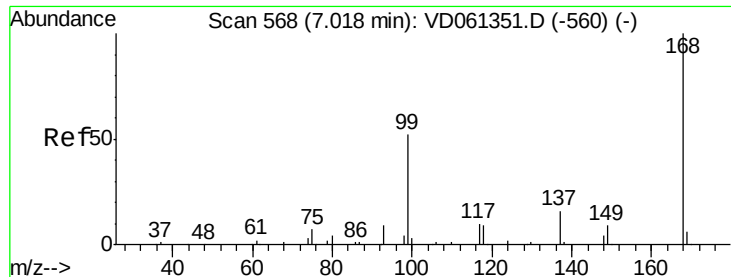
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

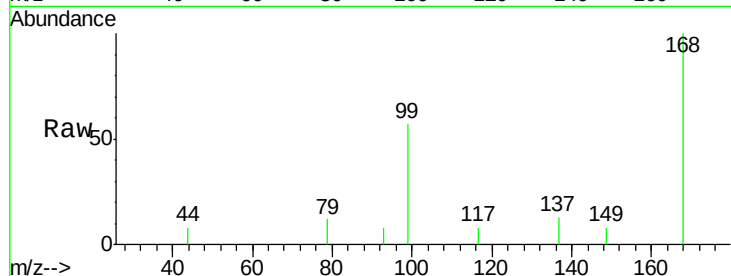
NB-08-032919-B

Tot Ion:168 Resp: 12982

Ion Ratio Lower Upper

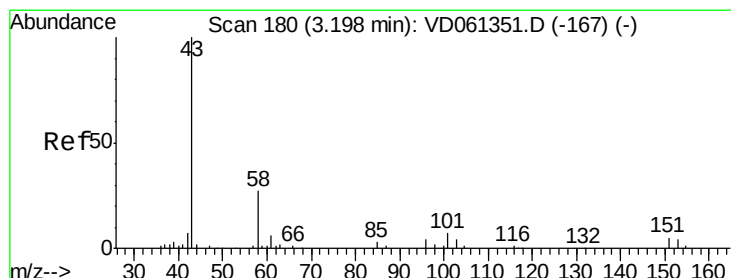
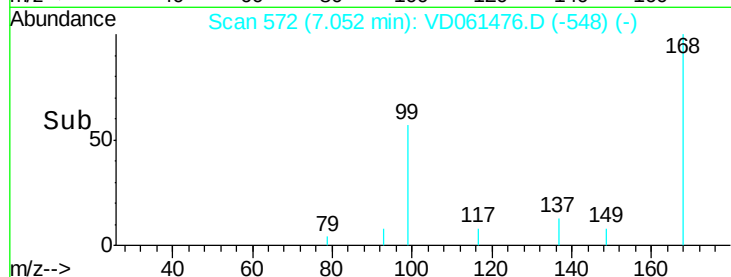
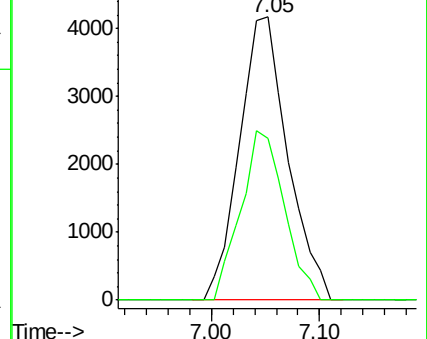
168 100

99 57.3 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: 128.666 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061476.D

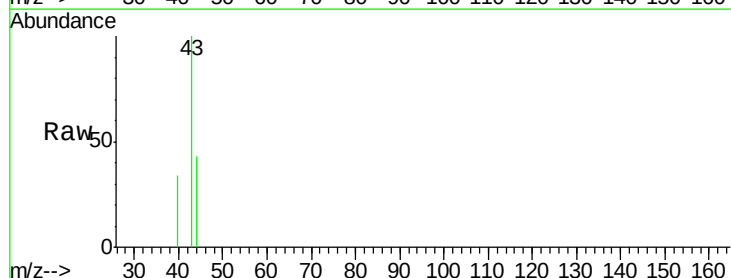
Acq: 1 Apr 2019 18:47

Tgt Ion: 43 Resp: 3668

Ion Ratio Lower Upper

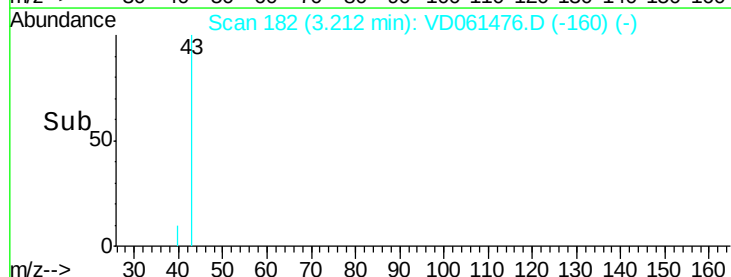
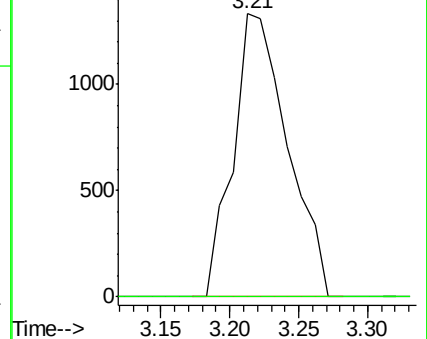
43 100

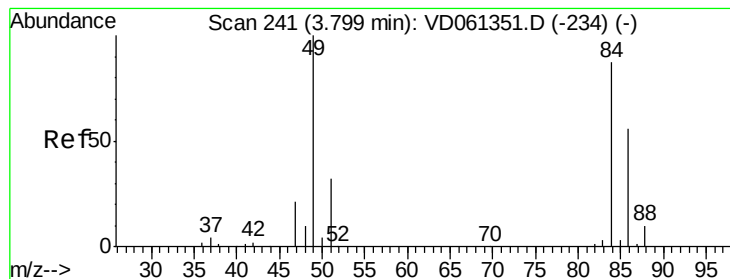
58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.597 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-032919-B

Tot Ion: 84 Resp: 859

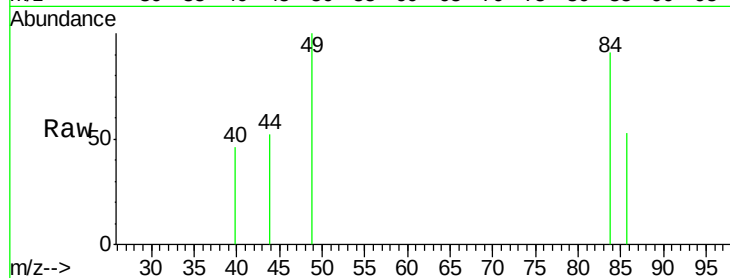
Ion Ratio Lower Upper

84 100

49 109.6 91.8 137.8

51 0.0 29.8 44.8#

86 57.8 51.8 77.6

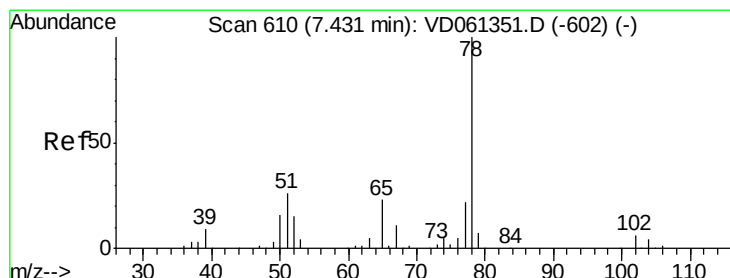
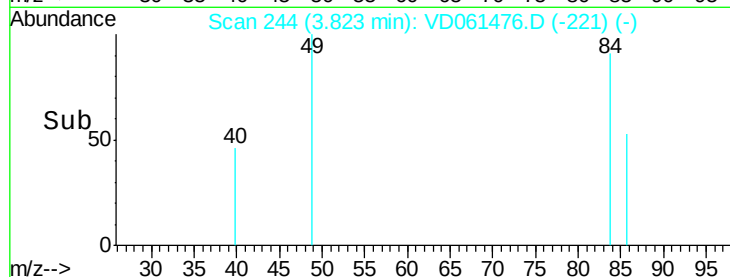
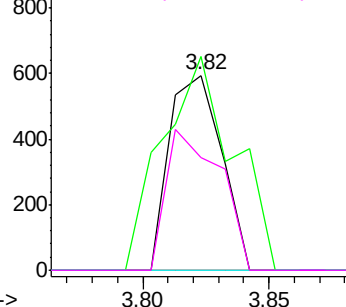


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061476.D

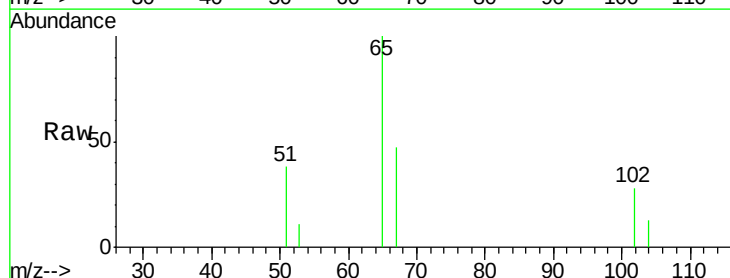
Acq: 1 Apr 2019 18:47

Tgt Ion: 65 Resp: 8593

Ion Ratio Lower Upper

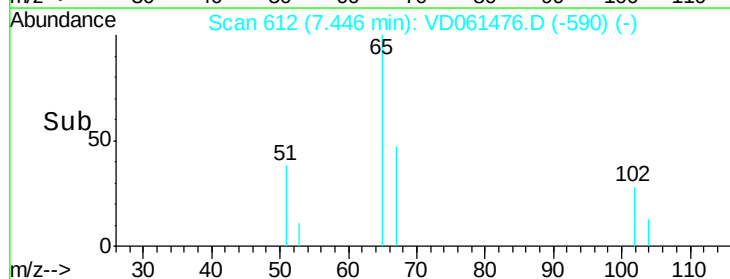
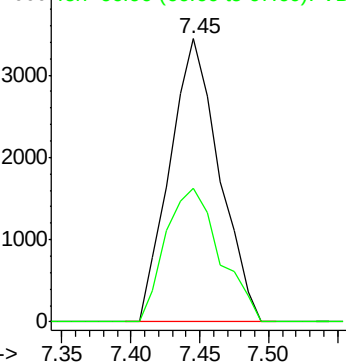
65 100

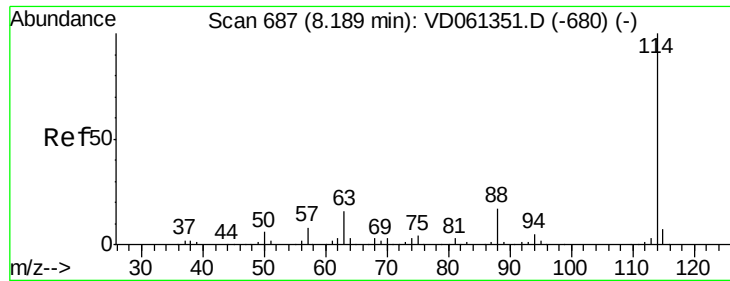
67 47.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

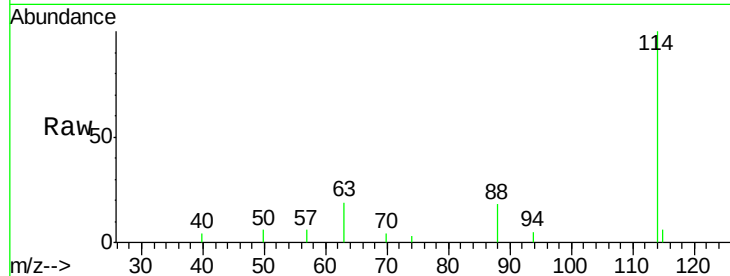




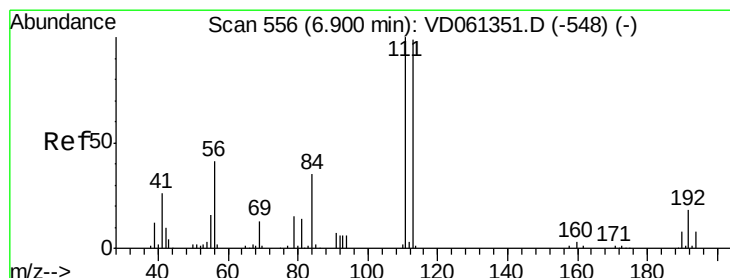
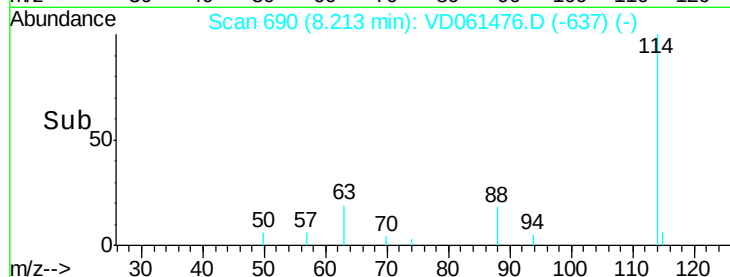
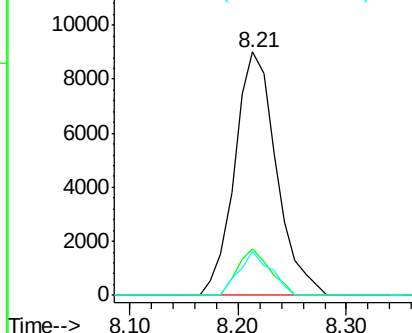
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061476.D
 Acq: 1 Apr 2019 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-032919-B

Tot Ion:114 Resp: 24147
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 31.6
 88 18.2 0.0 33.4

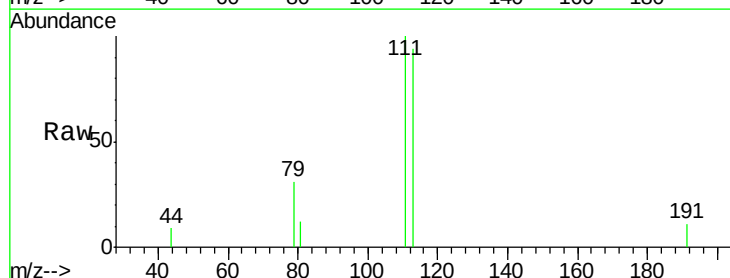


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

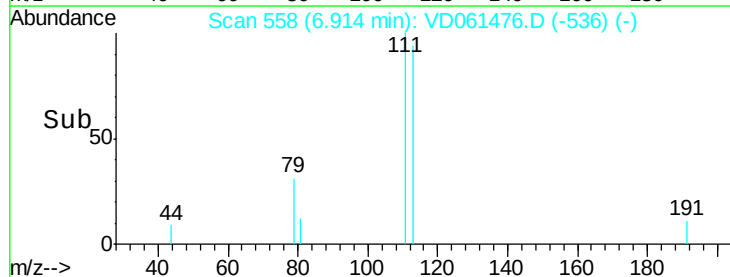
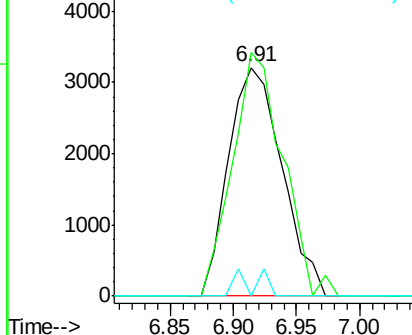


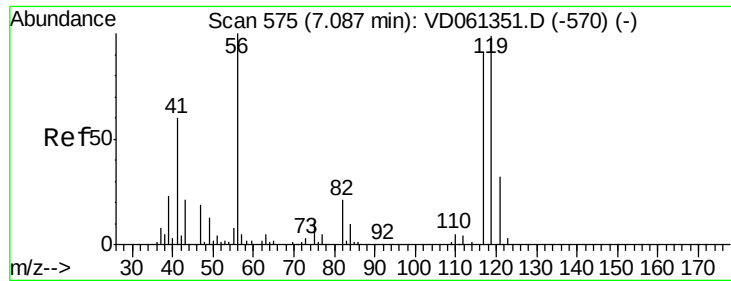
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061476.D
 Acq: 1 Apr 2019 18:47

Tgt Ion:113 Resp: 9430
 Ion Ratio Lower Upper
 113 100
 111 106.6 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





#38

Carbon Tetrachloride

Concen: 1.796 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-032919-B

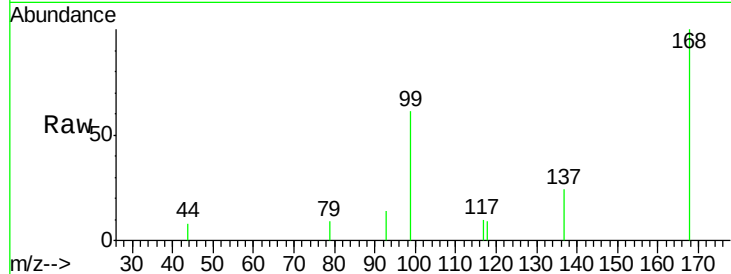
Tot Ion:117 Resp: 435

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

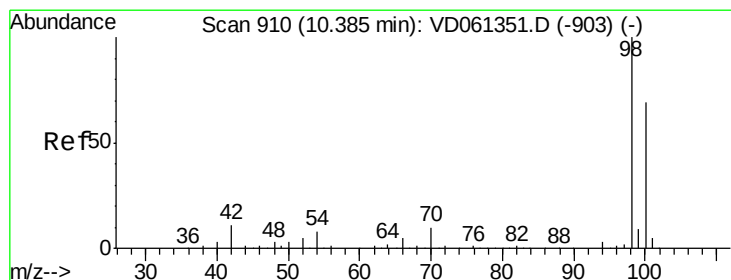
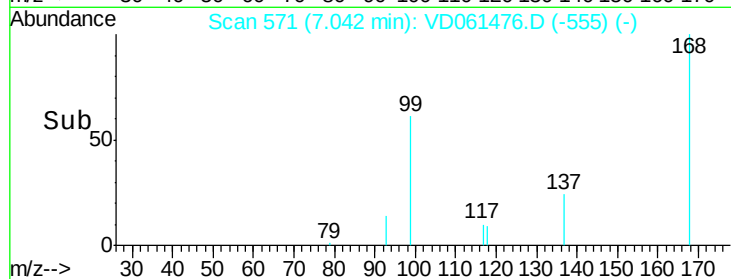
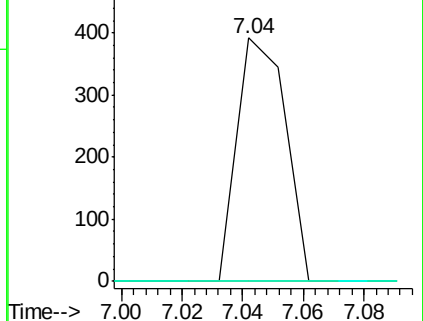
121 0.0 25.6 38.4#



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: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061476.D

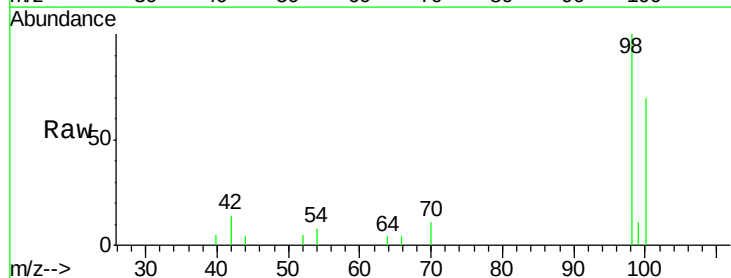
Acq: 1 Apr 2019 18:47

Tgt Ion: 98 Resp: 19468

Ion Ratio Lower Upper

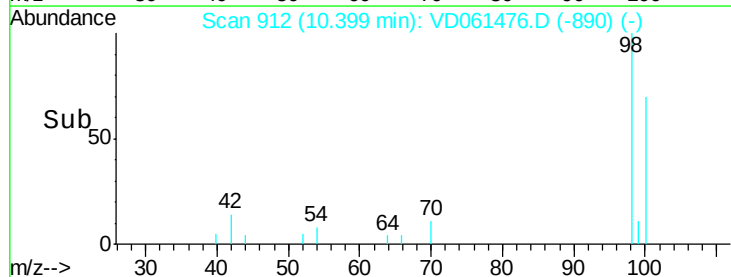
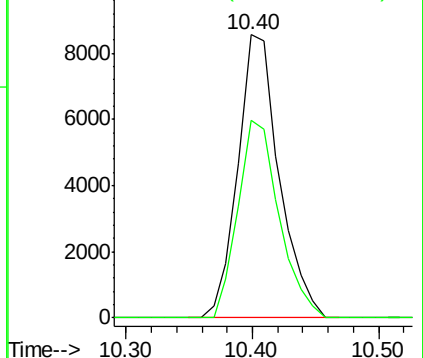
98 100

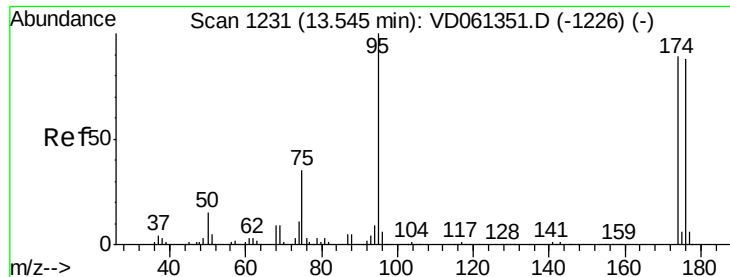
100 69.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-032919-B

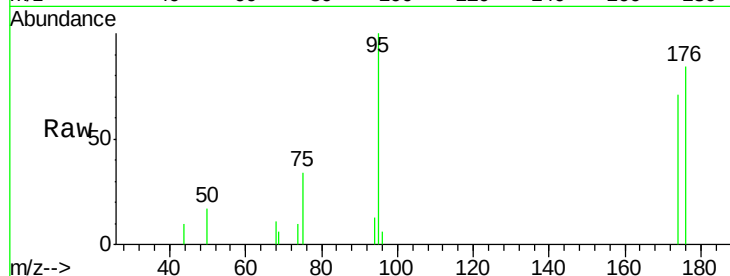
Tot Ion: 95 Resp: 8724

Ion Ratio Lower Upper

95 100

174 70.8 0.0 178.0

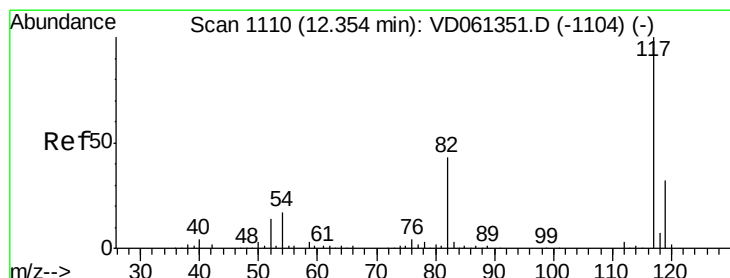
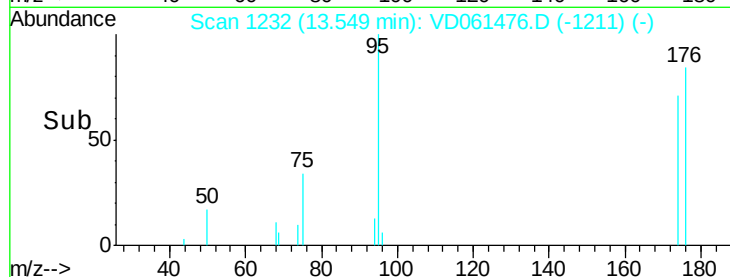
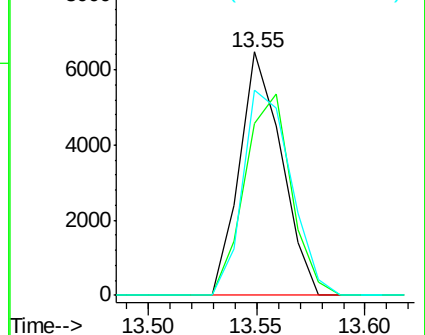
176 84.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

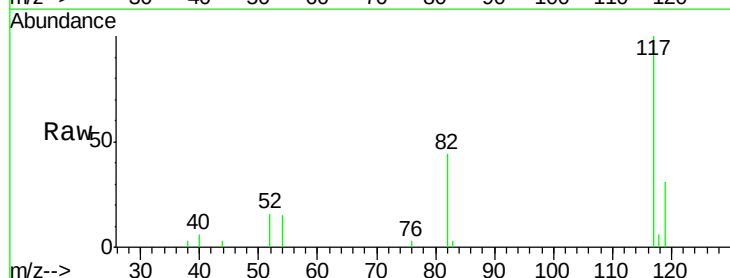
Tgt Ion: 117 Resp: 20056

Ion Ratio Lower Upper

117 100

82 44.1 34.4 51.6

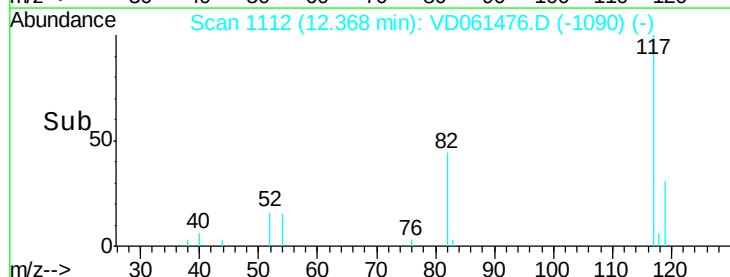
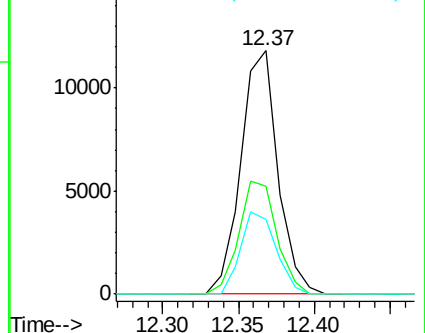
119 30.8 25.8 38.6

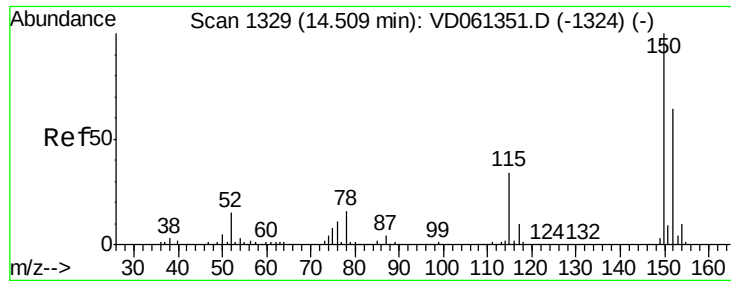


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

Instrument :

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ClientSampleId :

NB-08-032919-B

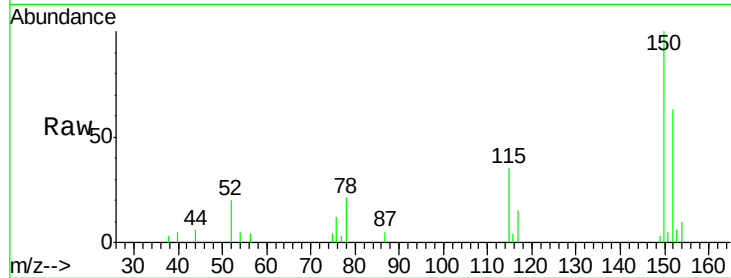
Tot Ion:152 Resp: 9801

Ion Ratio Lower Upper

152 100

115 54.9 26.9 80.6

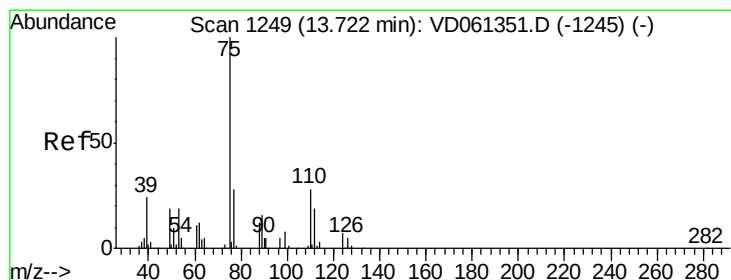
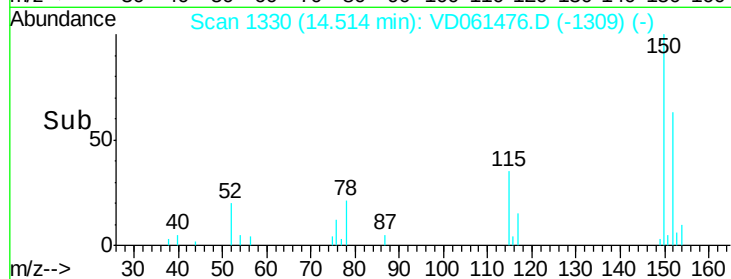
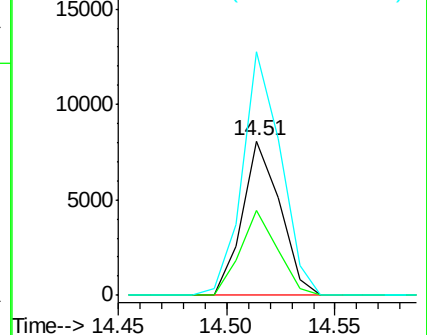
150 157.5 0.0 318.0



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



#76

1,2,3-Trichloropropane

Concen: 16.274 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061476.D

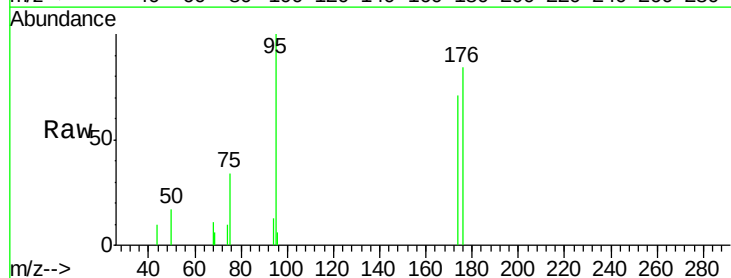
Acq: 1 Apr 2019 18:47

Tgt Ion: 75 Resp: 2304

Ion Ratio Lower Upper

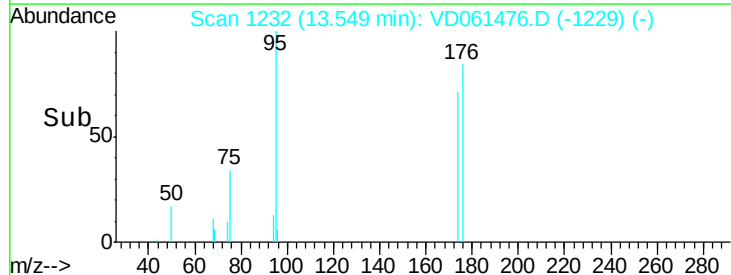
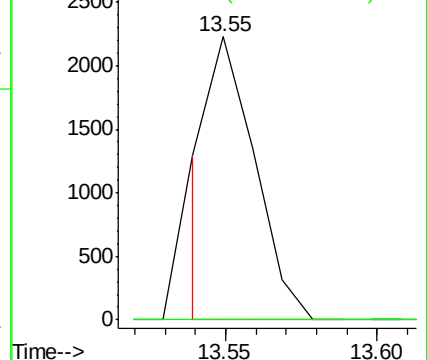
75 100

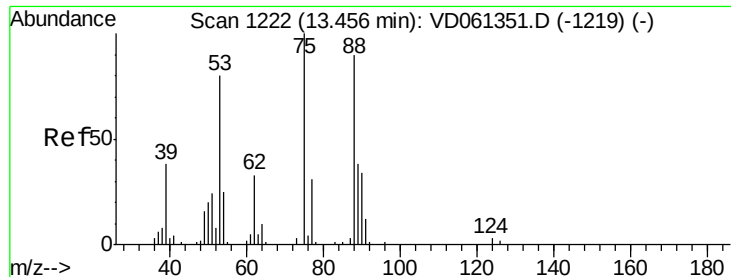
77 0.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 71.072 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

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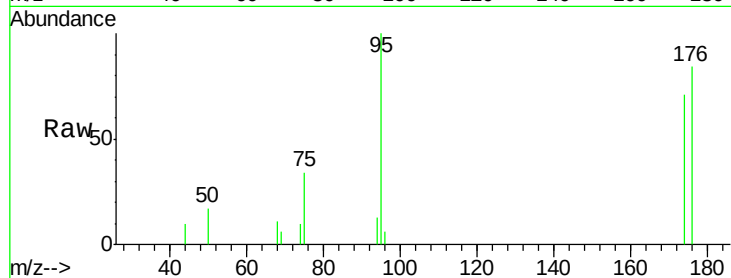
Tot Ion: 75 Resp: 3068

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

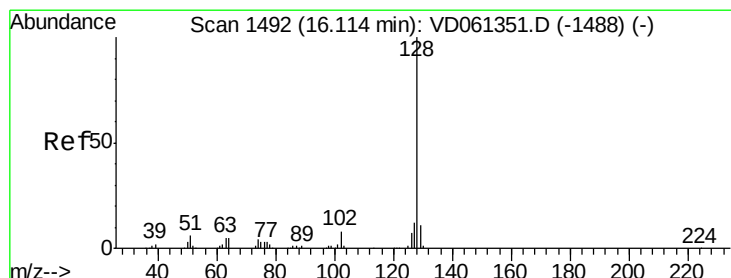
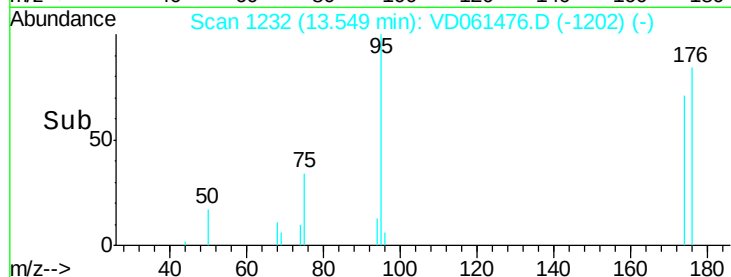
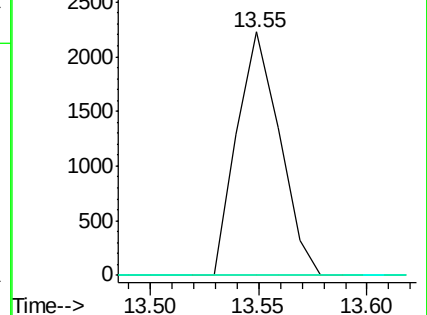
89 0.0 30.5 45.7#



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: 1.072 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061476.D

Acq: 1 Apr 2019 18:47

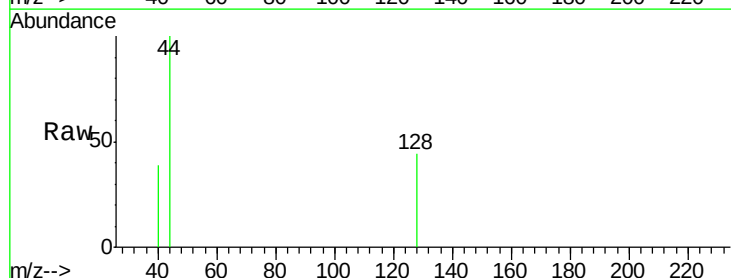
Tgt Ion: 128 Resp: 209

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

