

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061785.D
 Acq On : 12 Apr 2019 18:27
 Operator : VA/AP
 Sample : K2355-02RE
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	602629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	983552	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	773252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	352614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	221743	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	6.91	113	342487	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.39	98	787333	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	13.54	95	314506	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	

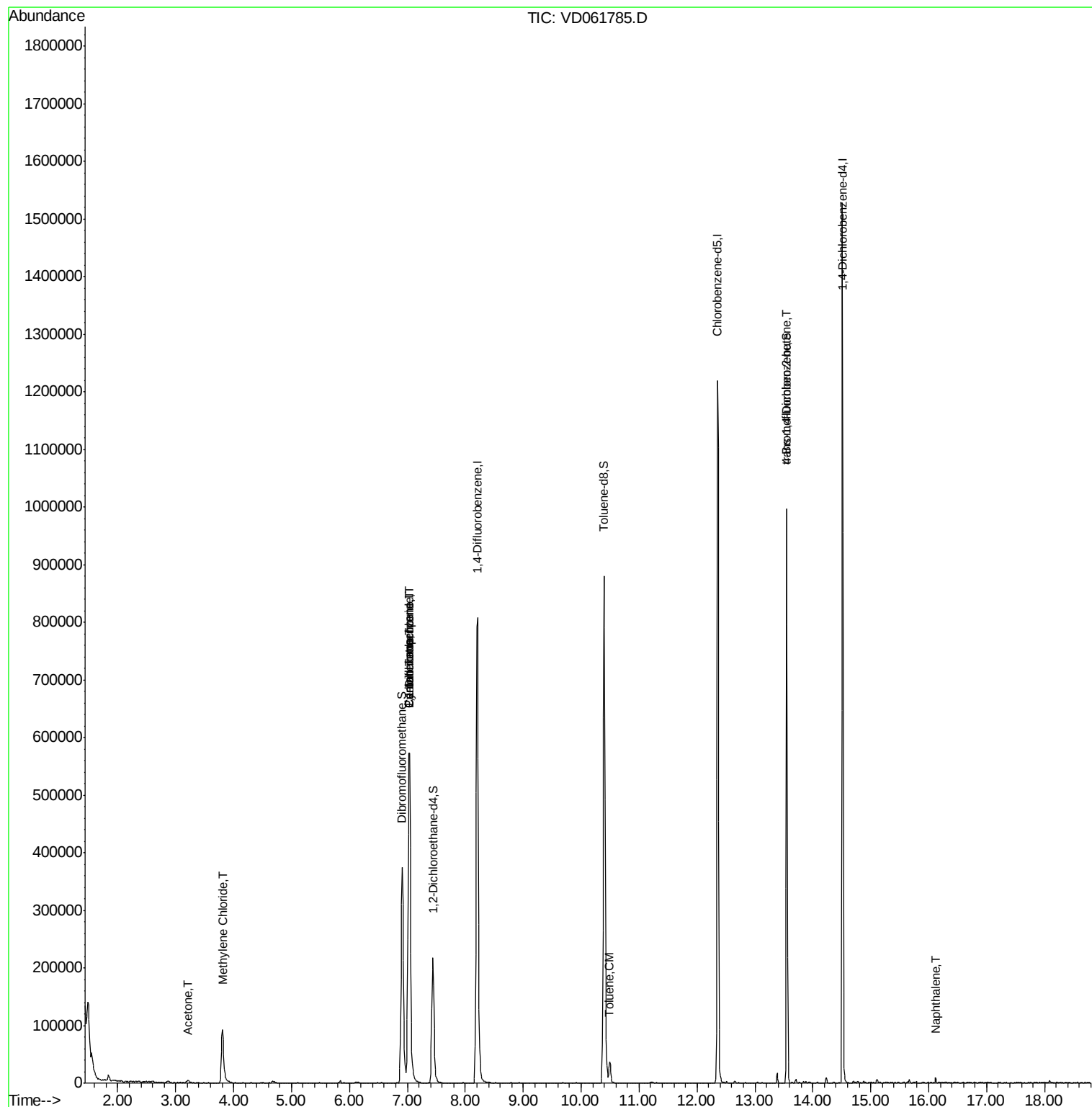
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	10368	7.593	ug/l	92
20) Methylene Chloride	3.81	84	70866	9.146	ug/l	94
31) Cyclohexane	7.03	56	11224	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	43504	5.054	ug/l #	46
38) Carbon Tetrachloride	7.03	117	59868	5.934	ug/l #	15
52) Toluene	10.49	92	20372	1.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.54	75	123537	84.861	ug/l #	20
95) Naphthalene	16.11	128	7973	1.022	ug/l #	95

(#) = 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# 570

Delta R.T. 0.00 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :

MSVOA_D

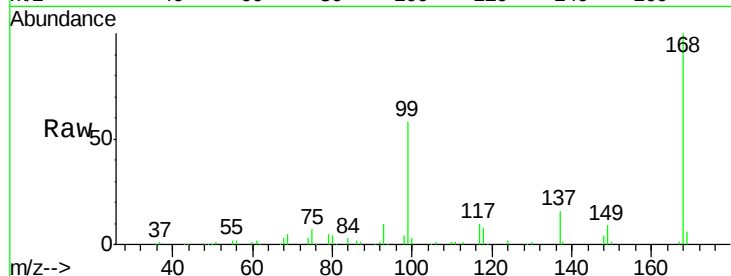
ClientSampleId :

Tot Ion:168 Resp: 602629

Ion Ratio Lower Upper

168 100

99 58.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

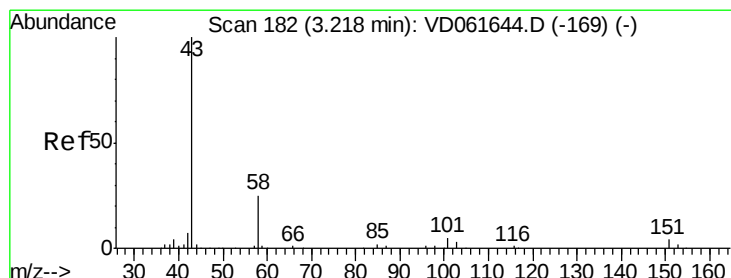
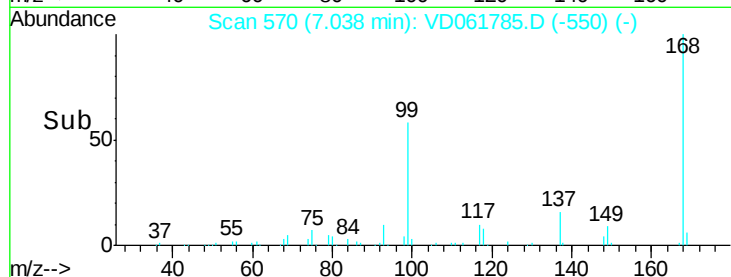
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 7.593 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061785.D

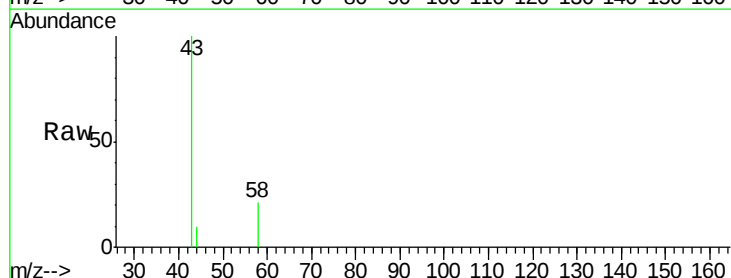
Acq: 12 Apr 2019 18:27

Tgt Ion: 43 Resp: 10368

Ion Ratio Lower Upper

43 100

58 20.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

4000

3000

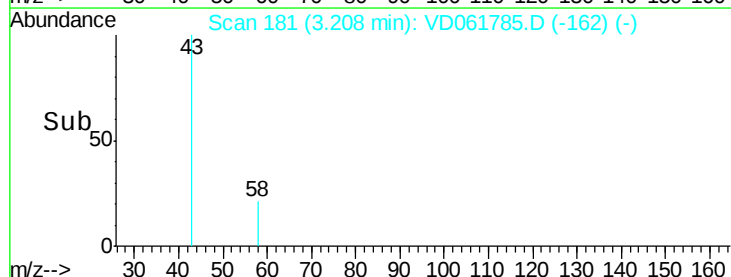
2000

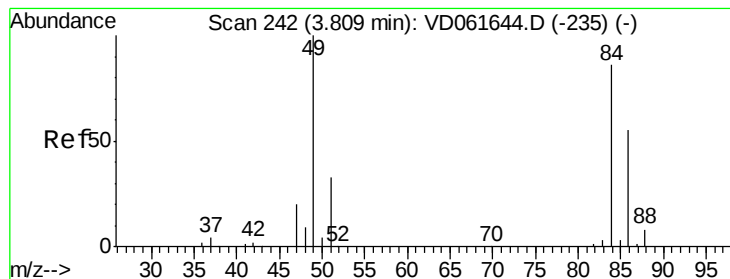
1000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#20

Methylene Chloride

Concen: 9.146 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 70866

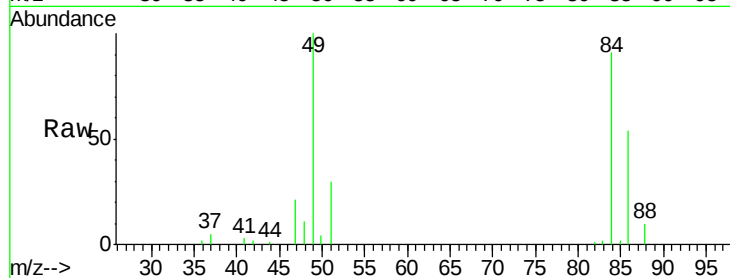
Ion Ratio Lower Upper

84 100

49 110.4 93.0 139.4

51 33.5 30.4 45.6

86 59.7 51.0 76.4

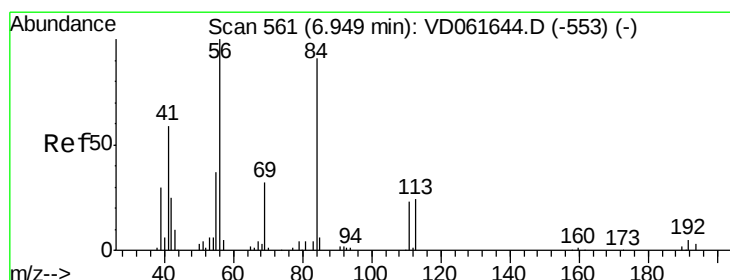
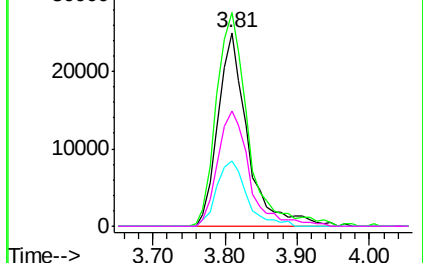
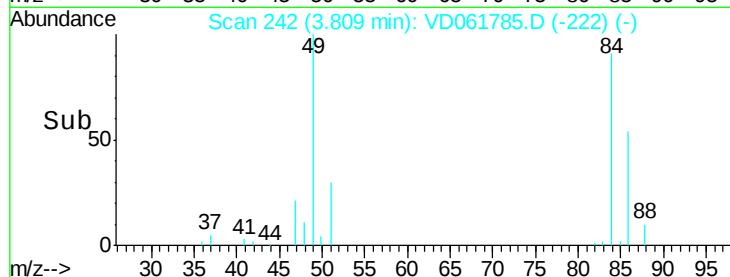


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.08 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

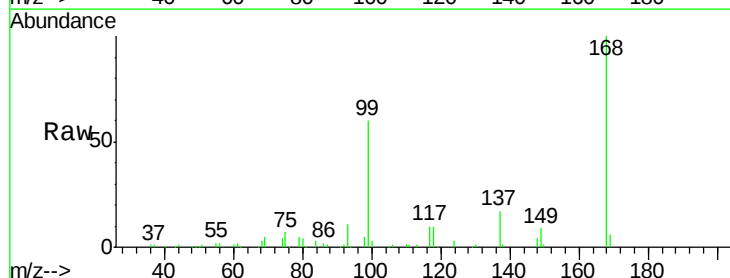
Tgt Ion: 56 Resp: 11224

Ion Ratio Lower Upper

56 100

69 258.4 25.8 38.6#

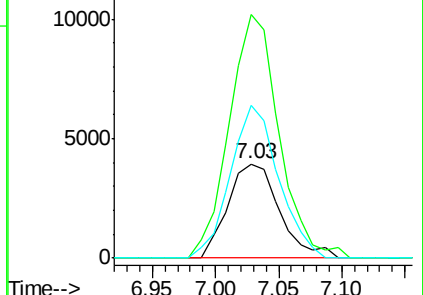
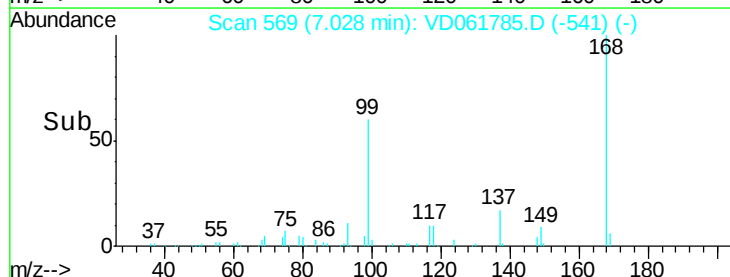
84 162.1 74.2 111.2#

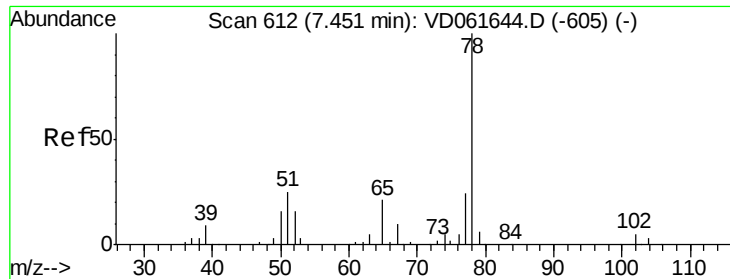


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

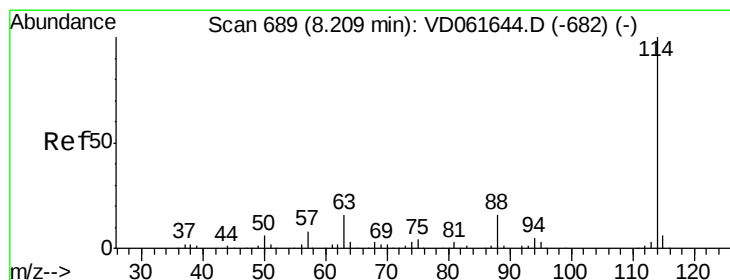
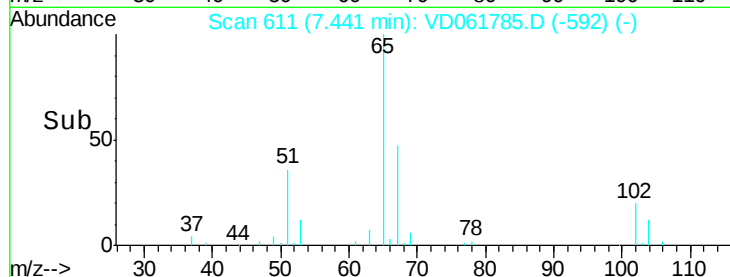
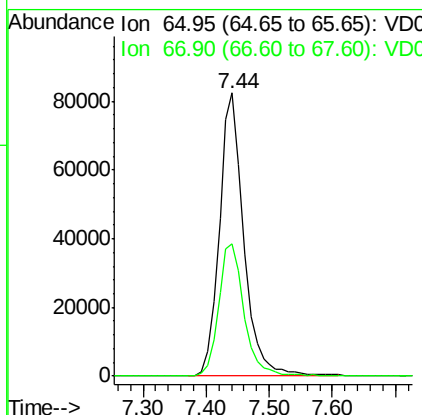
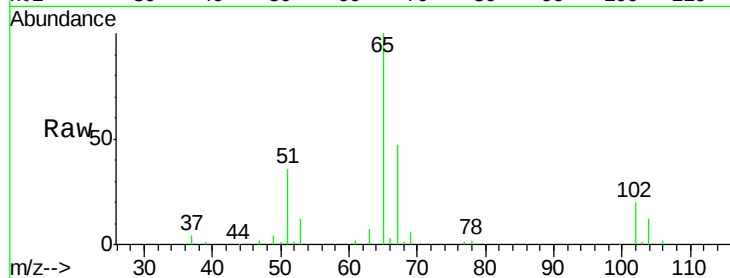




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061785.D
 Acq: 12 Apr 2019 18:27

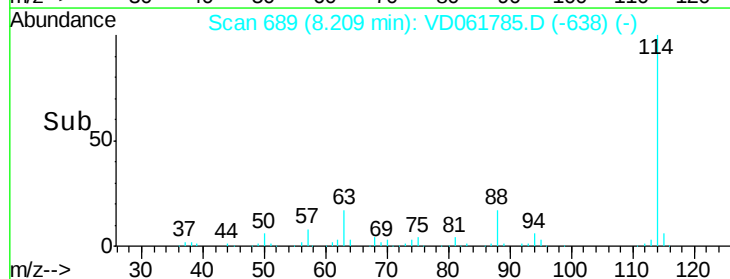
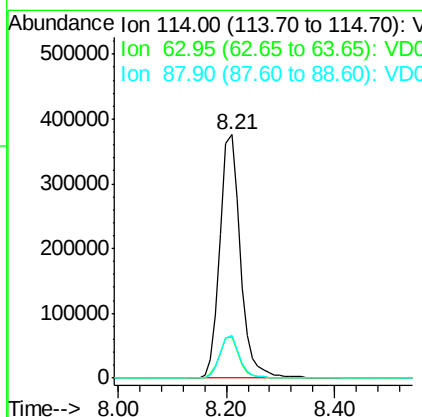
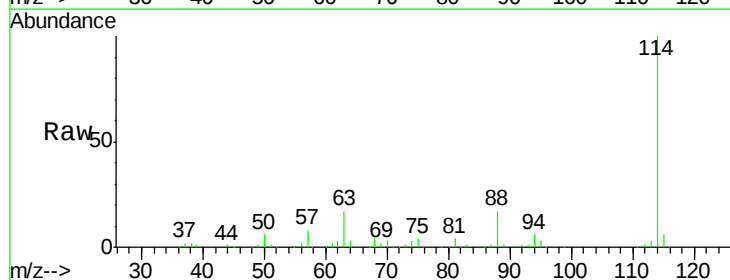
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 221743
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061785.D
 Acq: 12 Apr 2019 18:27

Tgt Ion: 114 Resp: 983552
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 31.2
 88 17.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

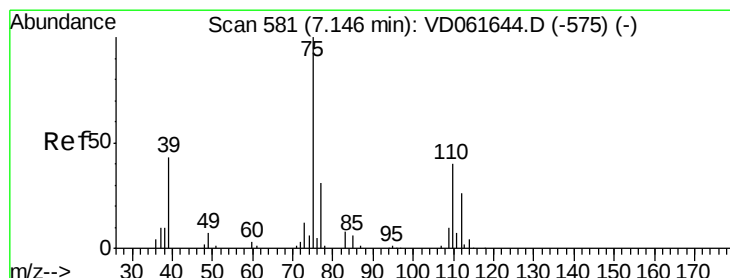
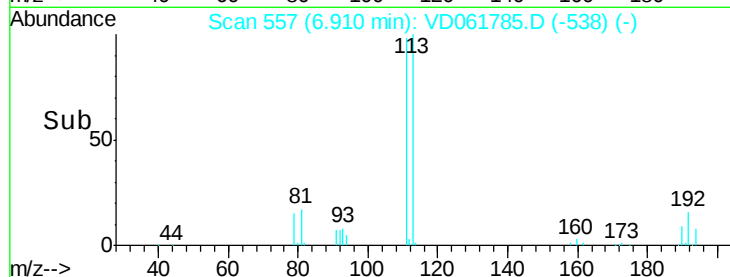
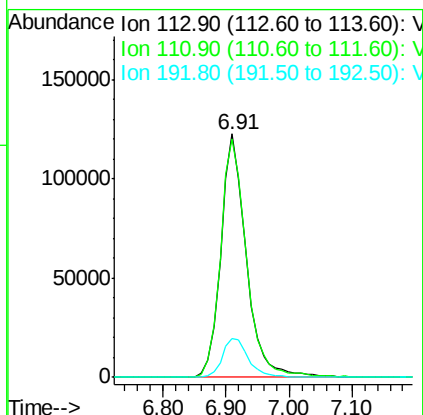
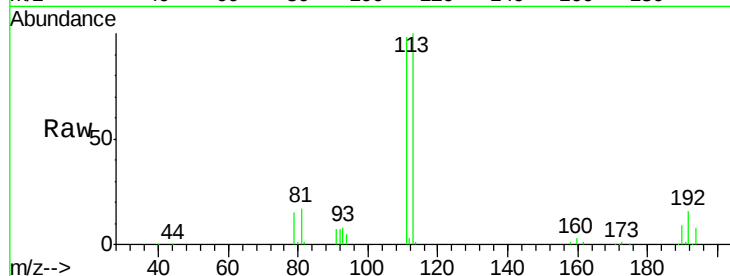
Delta R.T. -0.01 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113	Resp:	342487
Ion	Ratio	Lower Upper
113	100	
111	98.1	79.3 118.9
192	15.9	12.3 18.5



#36

1,1-Dichloropropene

Concen: 5.054 ug/l

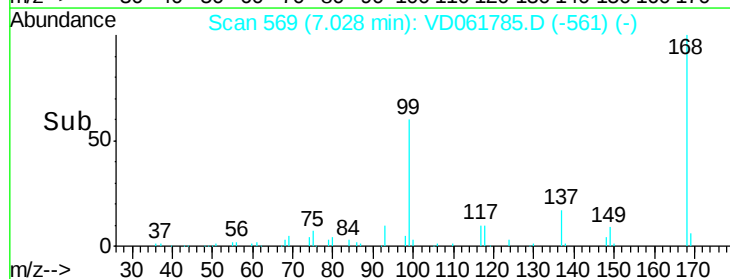
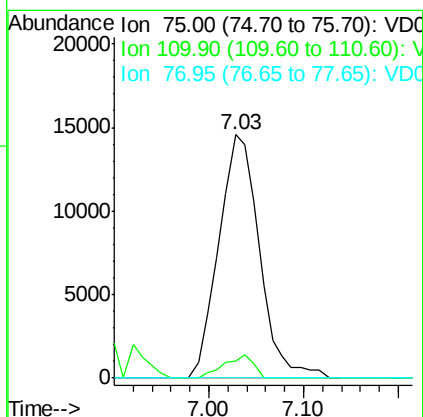
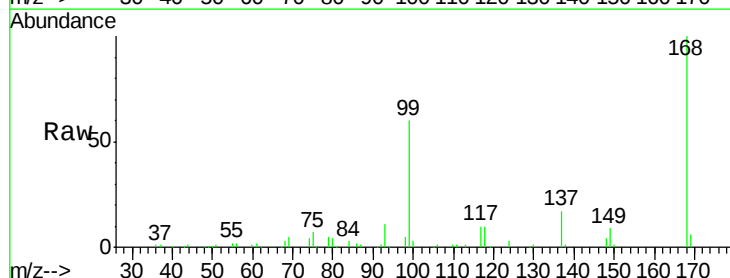
RT: 7.03 min Scan# 569

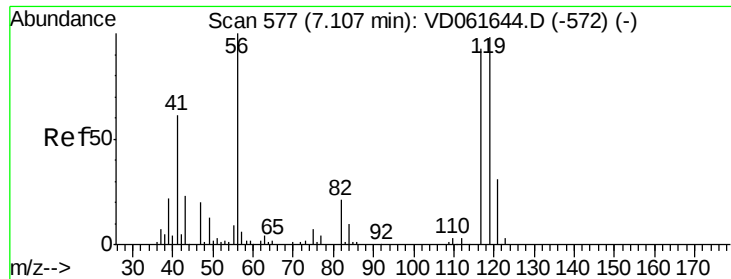
Delta R.T. -0.12 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Tgt Ion: 75	Resp:	43504
Ion	Ratio	Lower Upper
75	100	
110	7.1	19.7 59.0#
77	0.0	24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.934 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.08 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :

MSVOA_D

ClientSampled :

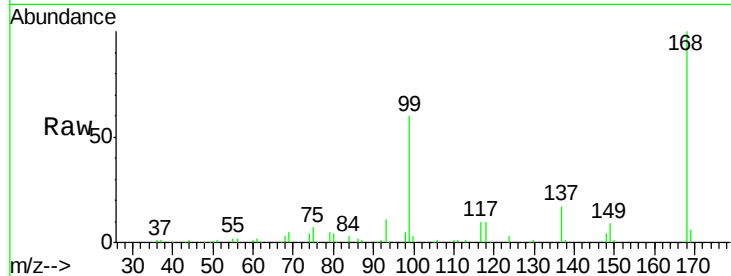
Tot Ion:117 Resp: 59868

Ion Ratio Lower Upper

117 100

119 4.7 77.9 116.9#

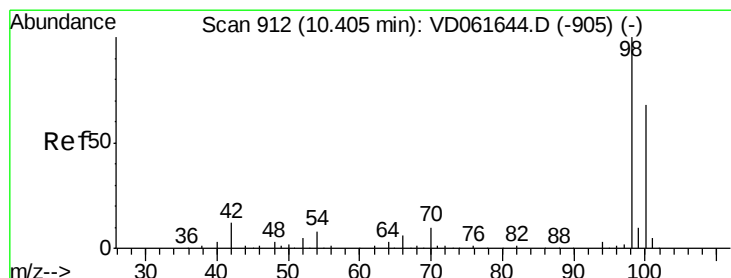
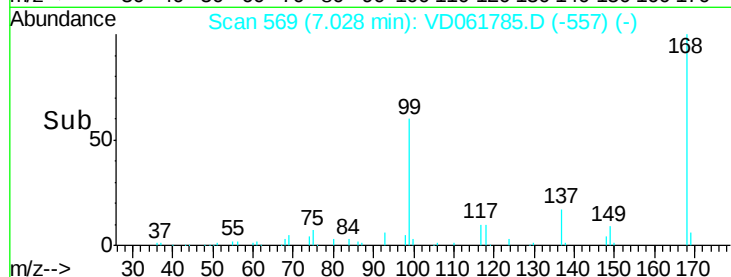
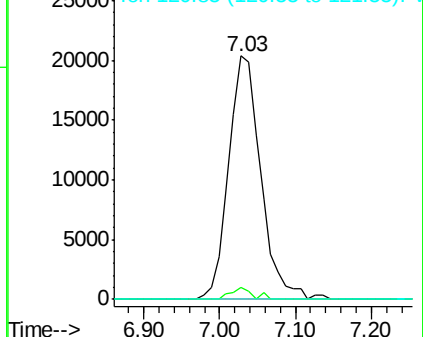
121 0.0 24.7 37.1#



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# 911

Delta R.T. -0.01 min

Lab File: VD061785.D

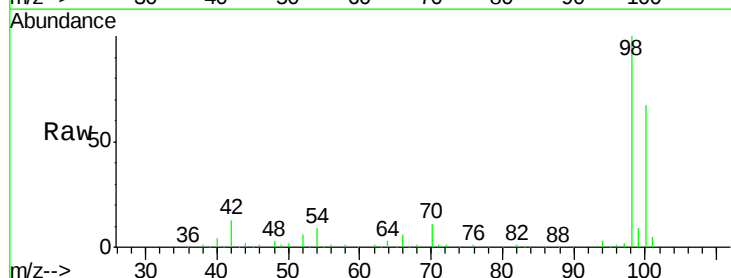
Acq: 12 Apr 2019 18:27

Tgt Ion: 98 Resp: 787333

Ion Ratio Lower Upper

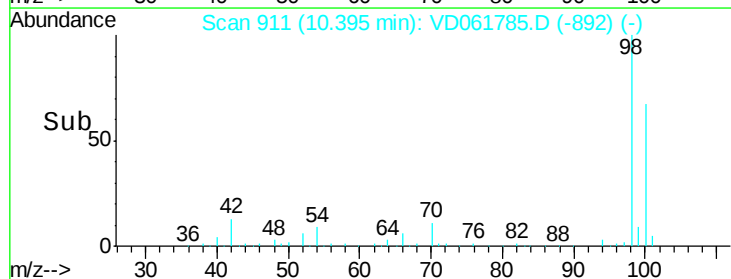
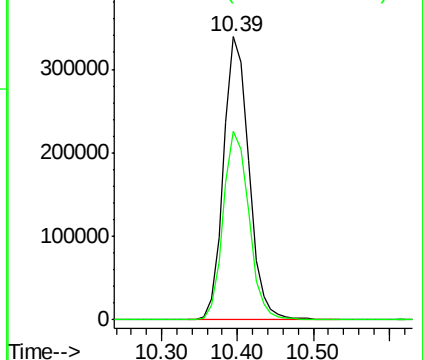
98 100

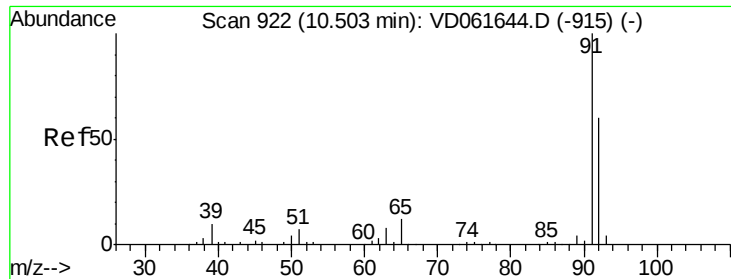
100 66.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.571 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :

MSVOA_D

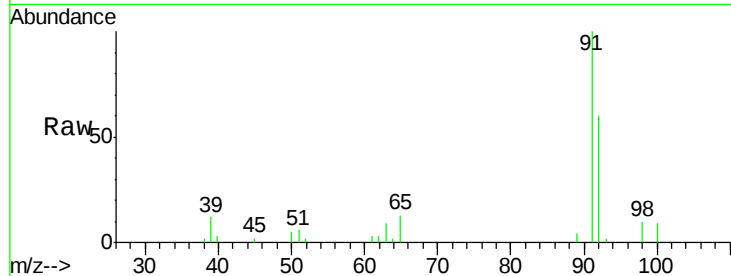
ClientSampleId :

Tot Ion: 92 Resp: 20372

Ion Ratio Lower Upper

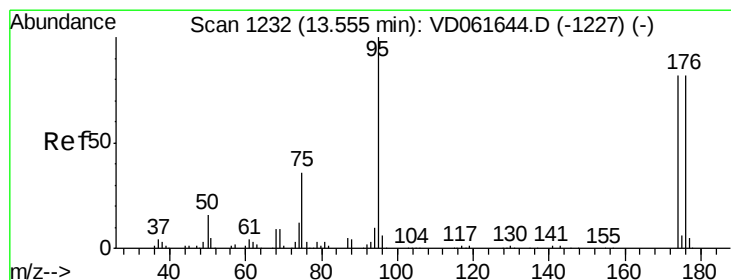
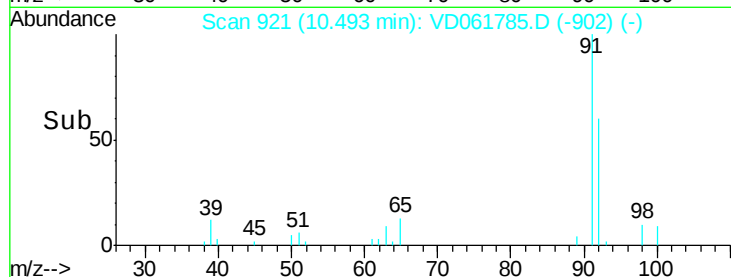
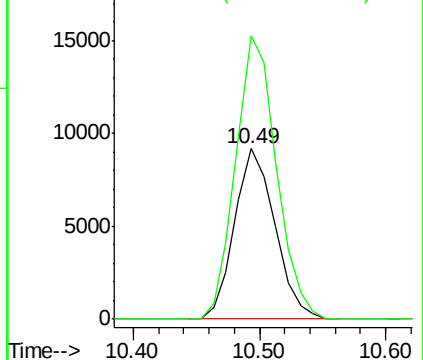
92 100

91 166.4 133.0 199.4



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# 1231

Delta R.T. -0.01 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

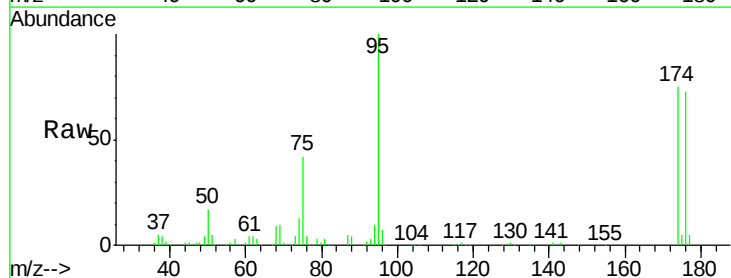
Tgt Ion: 95 Resp: 314506

Ion Ratio Lower Upper

95 100

174 74.8 0.0 164.6

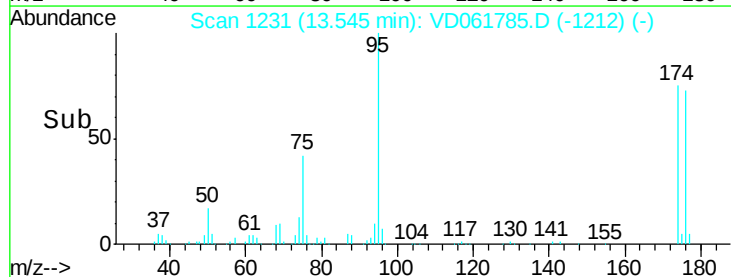
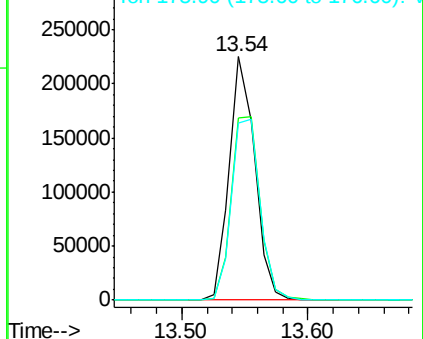
176 72.9 0.0 165.0

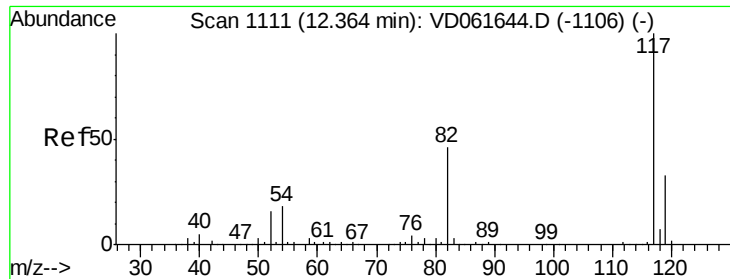


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

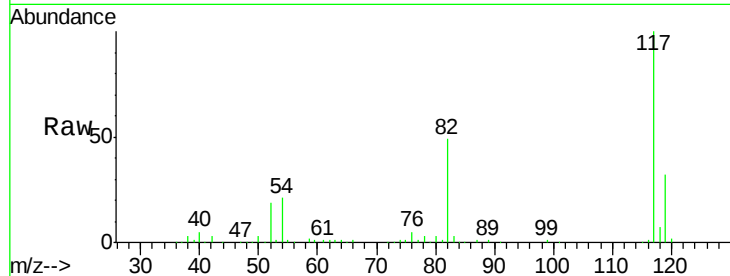




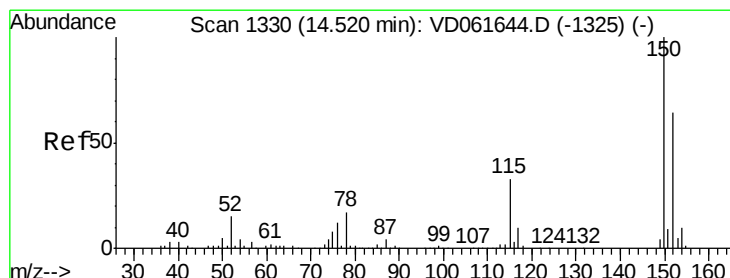
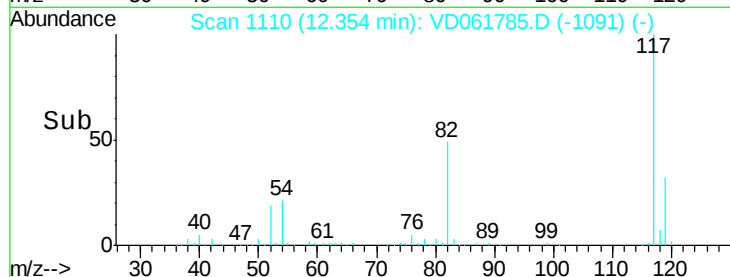
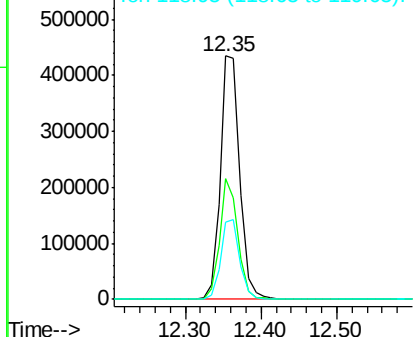
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061785.D
Acq: 12 Apr 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 773252
Ion Ratio Lower Upper
117 100
82 49.4 36.8 55.2
119 31.9 26.1 39.1

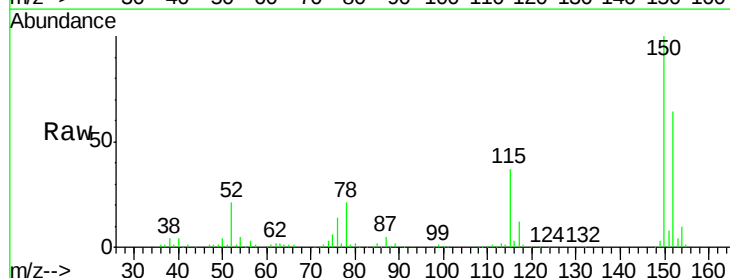


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

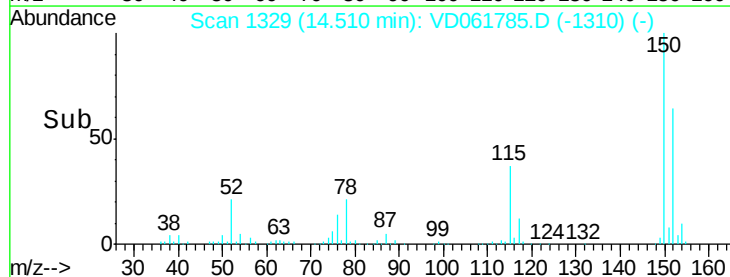
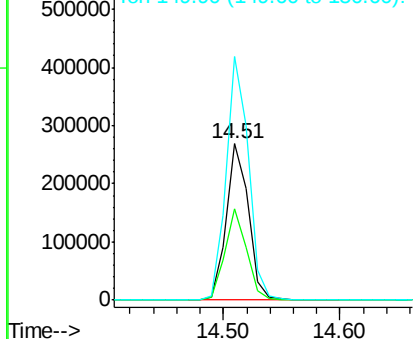


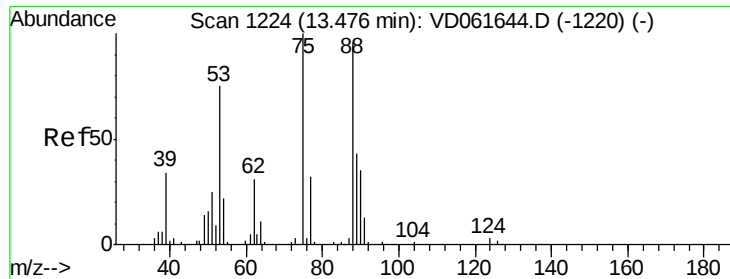
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061785.D
Acq: 12 Apr 2019 18:27

Tgt Ion:152 Resp: 352614
Ion Ratio Lower Upper
152 100
115 58.3 26.4 79.2
150 156.0 0.0 320.6



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: 84.861 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

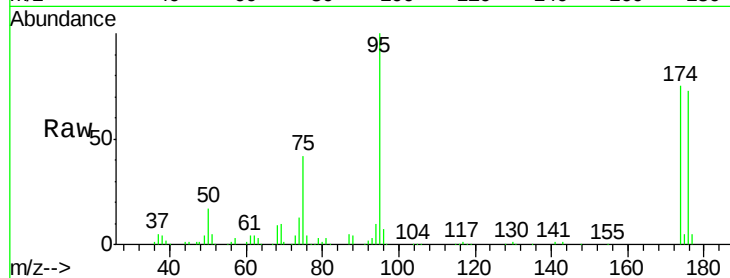
Tot Ion: 75 Resp: 123537

Ion Ratio Lower Upper

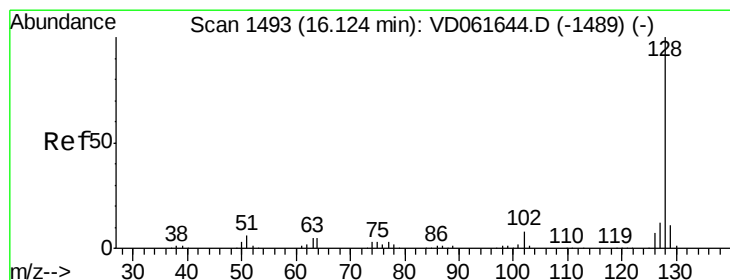
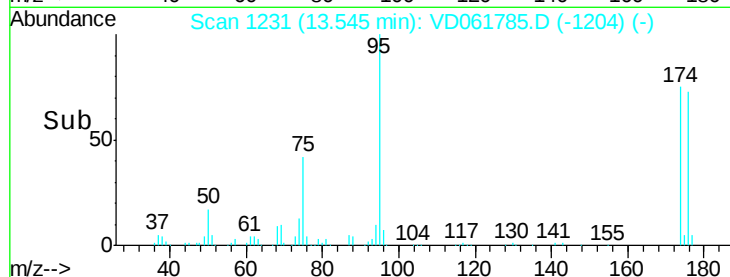
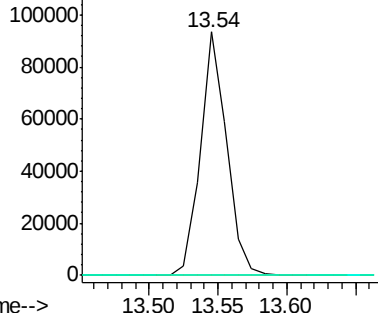
75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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: 1.022 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061785.D

Acq: 12 Apr 2019 18:27

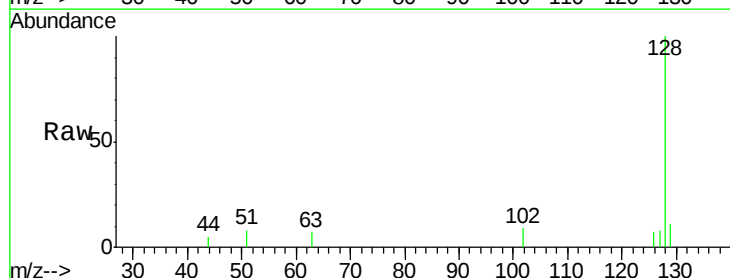
Tgt Ion:128 Resp: 7973

Ion Ratio Lower Upper

128 100

127 8.2 9.4 14.2#

129 11.0 8.8 13.2



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

