

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062837.D
 Acq On : 24 Jun 2019 13:48
 Operator : VA/AP
 Sample : K2459-02RE
 Misc : 5.16g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002

Quant Time: Jun 25 05:03:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	844881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1176695	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	983154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	553192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	427150	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	6.94	113	467409	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
50) Toluene-d8	10.41	98	1008992	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	13.55	95	461389	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	

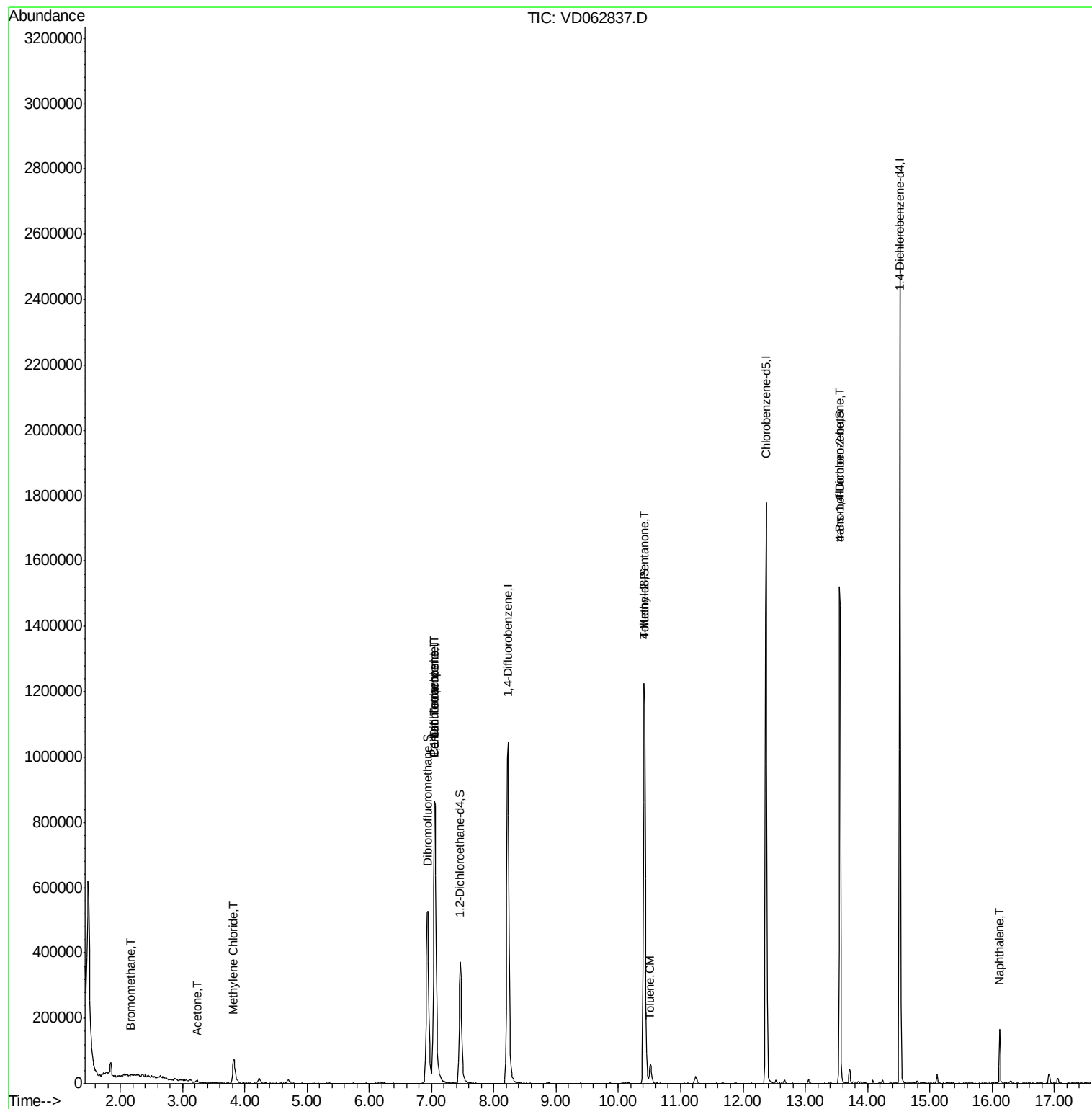
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	3975	1.041	ug/l #	13
16) Acetone	3.24	43	18223	2.869	ug/l #	84
20) Methylene Chloride	3.83	84	47407	6.769	ug/l	92
36) 1,1-Dichloropropene	7.05	75	69979	6.282	ug/l #	55
37) Ethyl Acetate	6.18	43	253	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	82757	4.940	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	4858	1.173	ug/l #	1
52) Toluene	10.51	92	26879	1.788	ug/l #	72
81) trans-1,4-Dichloro-2-buten	13.55	75	211375	126.290	ug/l #	2
95) Naphthalene	16.12	128	98038	6.120	ug/l	98

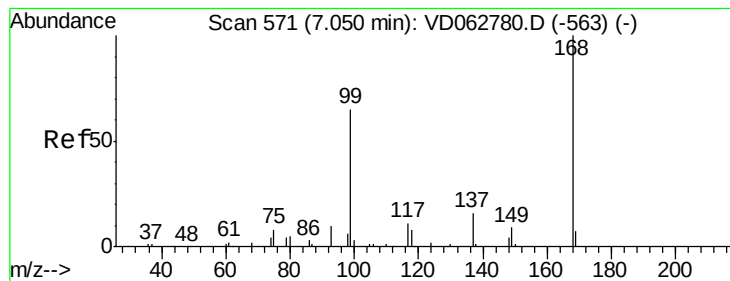
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

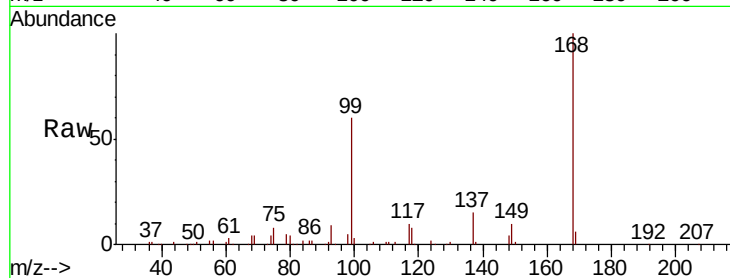
FK-BPM-04-002

Tot Ion:168 Resp: 844881

Ion Ratio Lower Upper

168 100

99 59.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

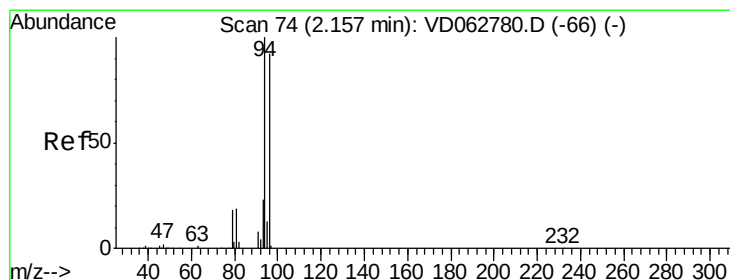
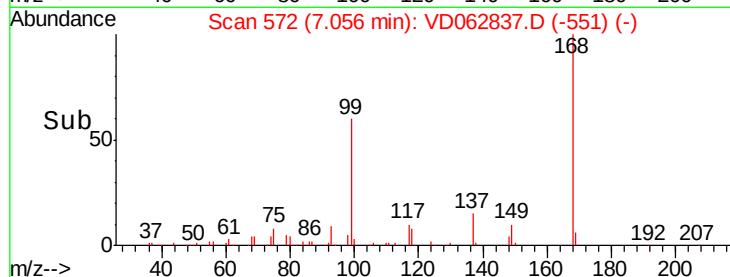
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.041 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

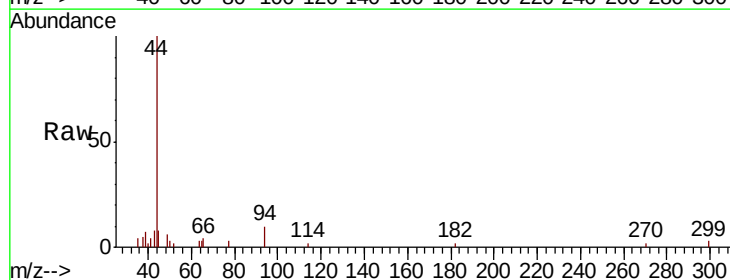
Tgt Ion: 94 Resp: 3975

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



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

2000

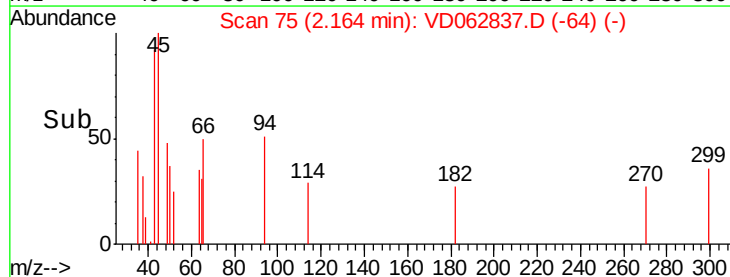
1500

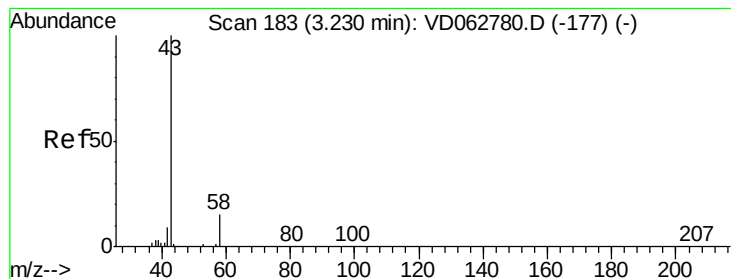
1000

500

0

Time-->





#16

Acetone

Concen: 2.869 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

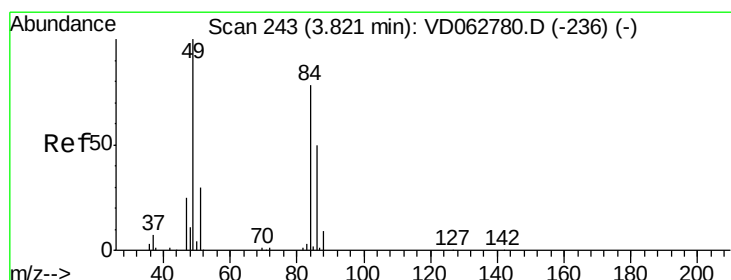
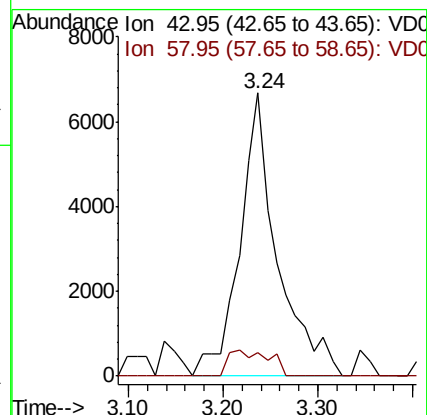
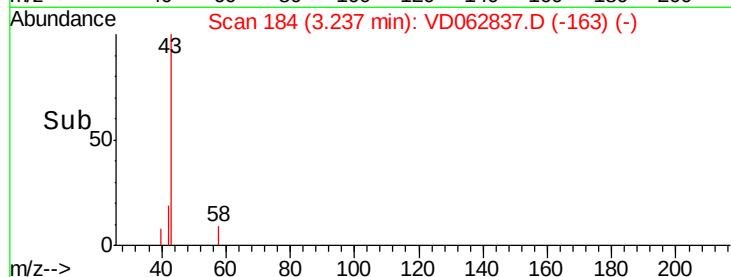
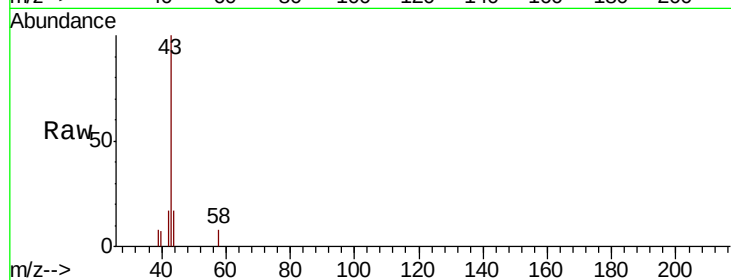
FK-BPM-04-002

Tot Ion: 43 Resp: 18223

Ion Ratio Lower Upper

43 100

58 8.4 11.9 17.9#



#20

Methylene Chloride

Concen: 6.769 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Tgt Ion: 84 Resp: 47407

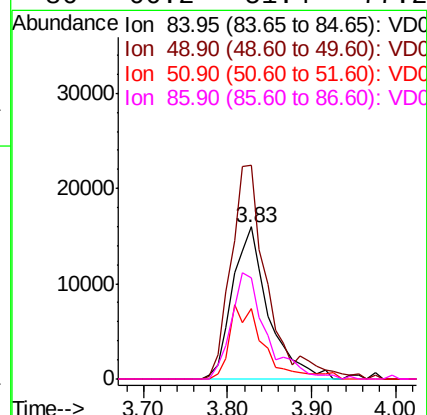
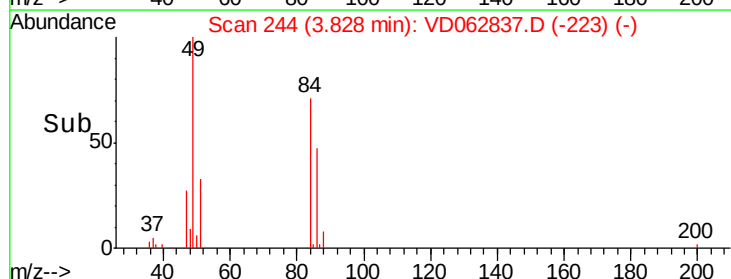
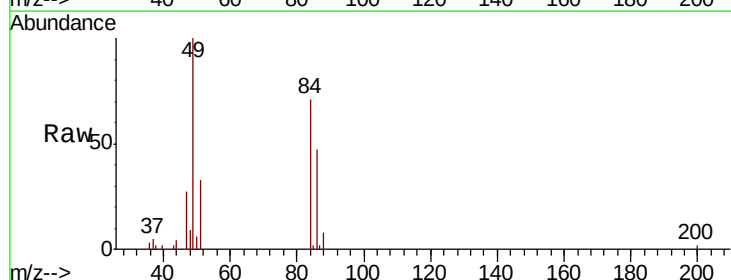
Ion Ratio Lower Upper

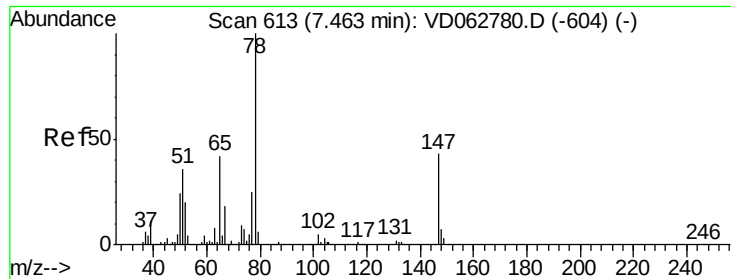
84 100

49 140.6 102.9 154.3

51 46.3 31.2 46.8

86 66.2 51.4 77.2

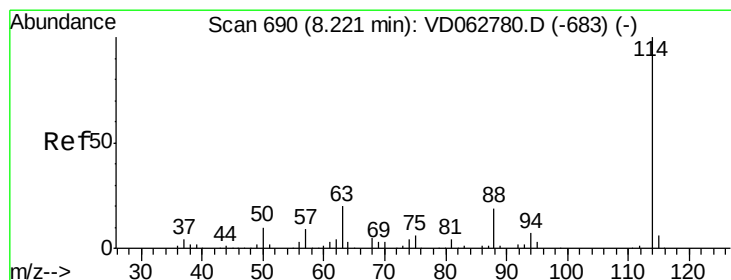
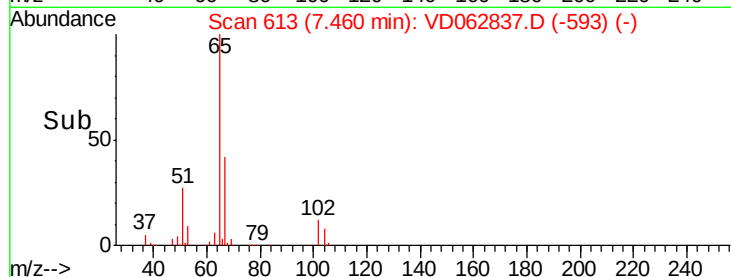
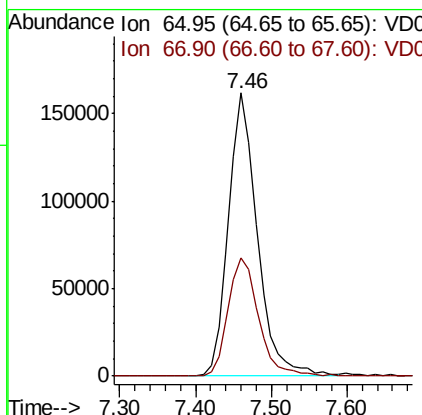
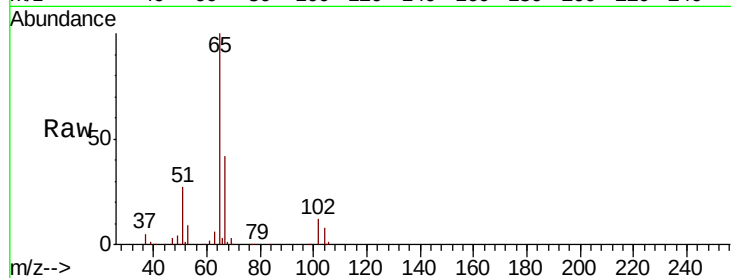




#33
 1,2-Dichloroethane-d4
 Concen: 46.512 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062837.D
 Acq: 24 Jun 2019 13:48

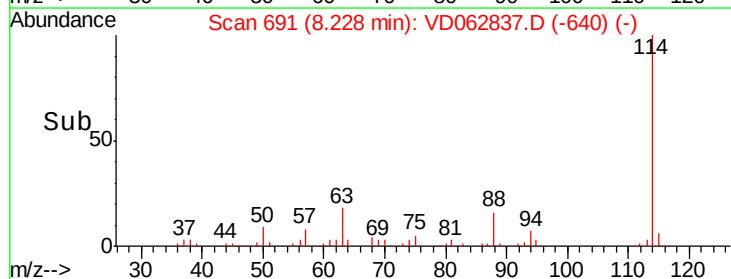
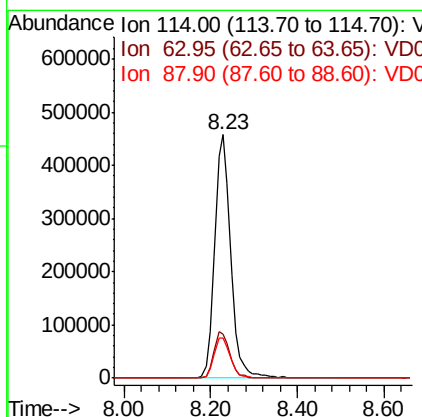
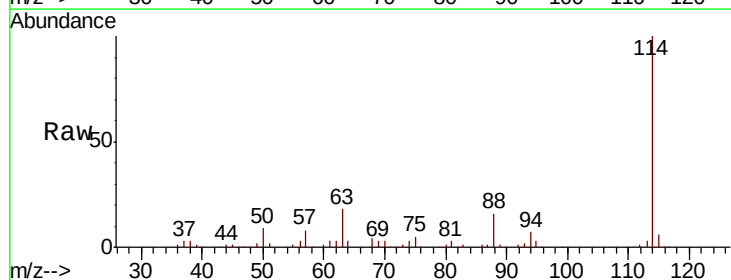
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002

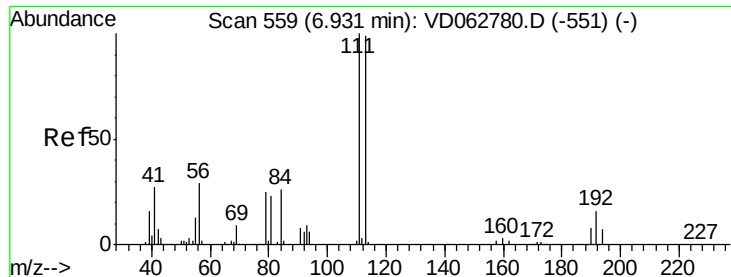
Tot Ion: 65 Resp: 427150
 Ion Ratio Lower Upper
 65 100
 67 41.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062837.D
 Acq: 24 Jun 2019 13:48

Tgt Ion: 114 Resp: 1176695
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 40.0
 88 16.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 47.109 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

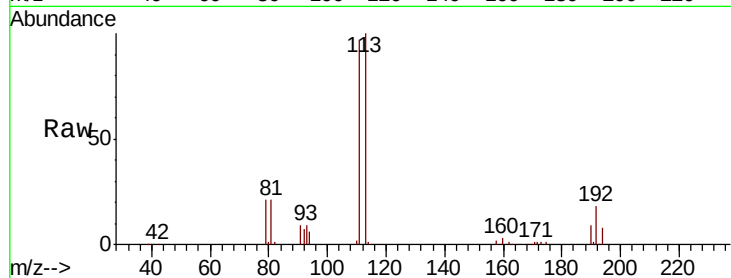
Tot Ion:113 Resp: 467409

Ion Ratio Lower Upper

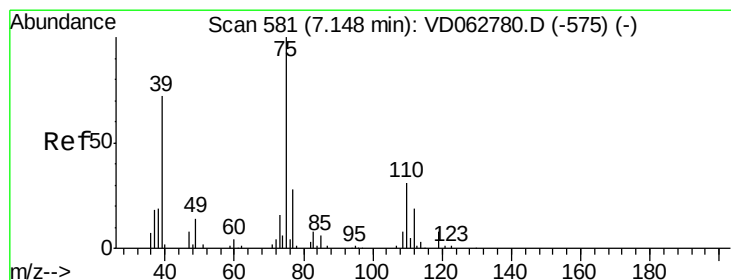
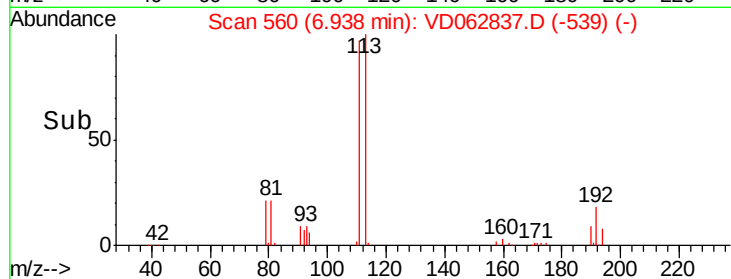
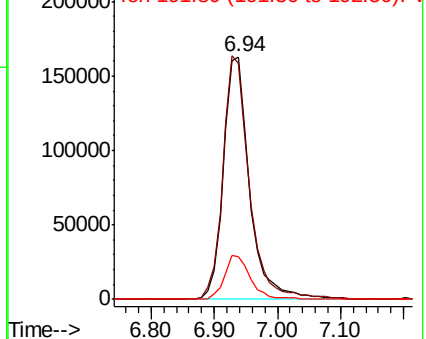
113 100

111 97.1 81.2 121.8

192 17.8 12.9 19.3



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: 6.282 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

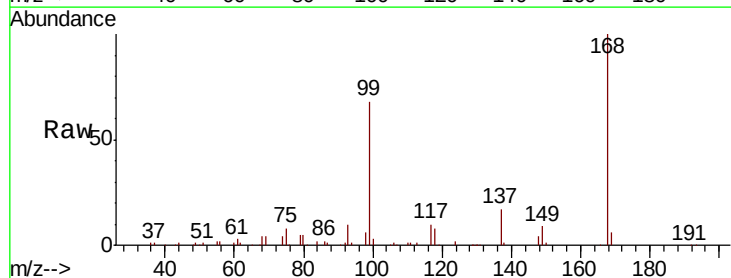
Tgt Ion: 75 Resp: 69979

Ion Ratio Lower Upper

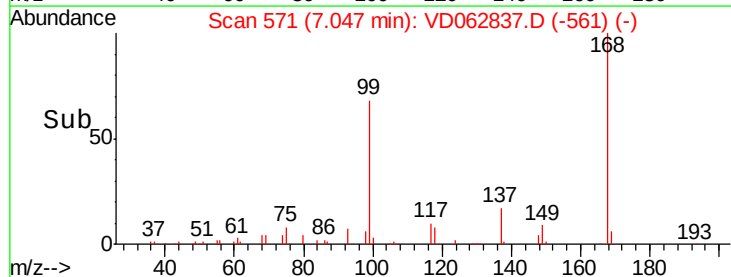
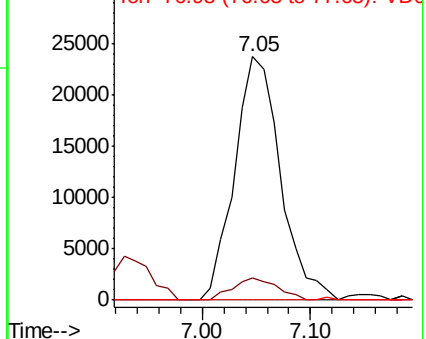
75 100

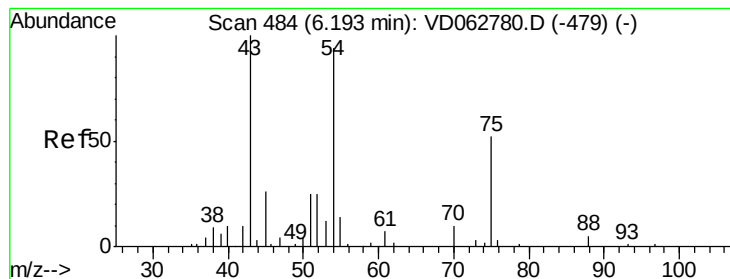
110 9.2 15.0 45.1#

77 0.0 22.2 33.2#



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





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.18 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

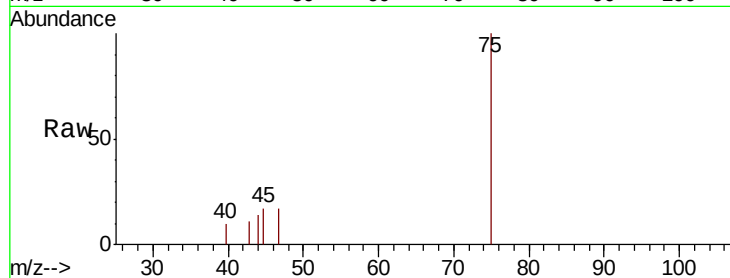
Tot Ion: 43 Resp: 253

Ion Ratio Lower Upper

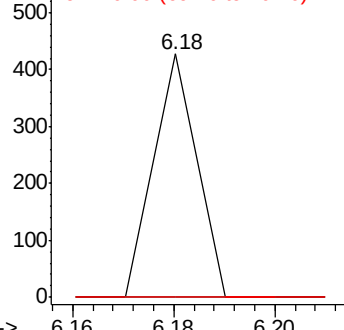
43 100

61 0.0 11.6 17.4#

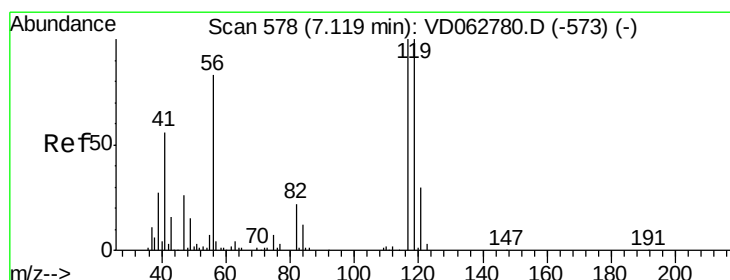
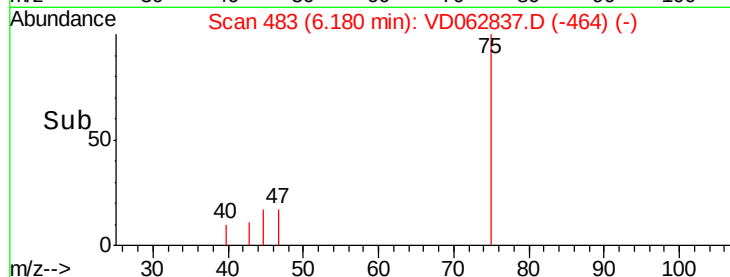
70 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



Time-->



#38

Carbon Tetrachloride

Concen: 4.940 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

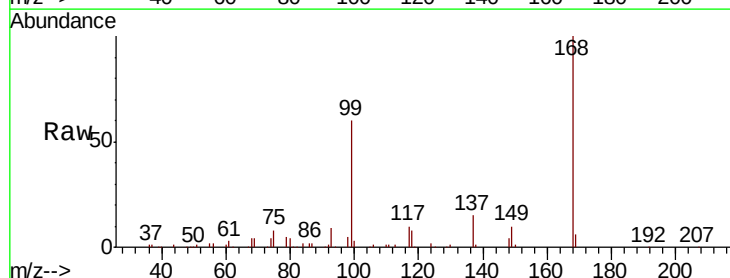
Tgt Ion: 117 Resp: 82757

Ion Ratio Lower Upper

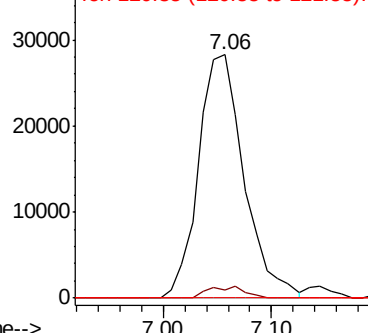
117 100

119 3.4 75.4 113.2#

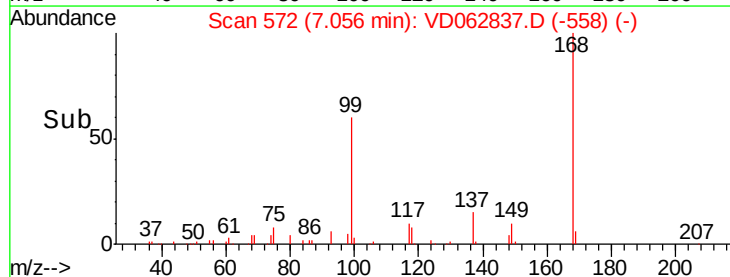
121 0.0 22.3 33.5#

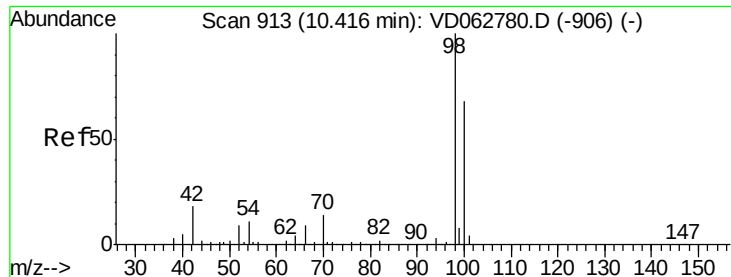


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



Time-->





#50

Toluene-d8

Concen: 46.725 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

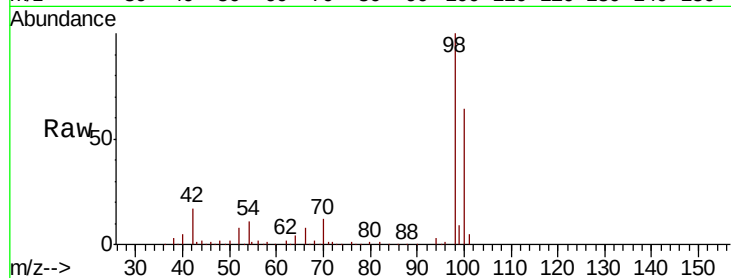
FK-BPM-04-002

Tot Ion: 98 Resp: 1008992

Ion Ratio Lower Upper

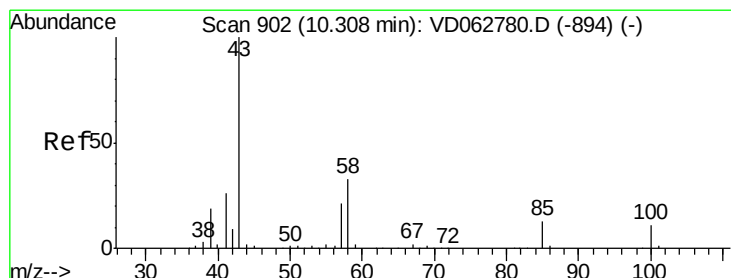
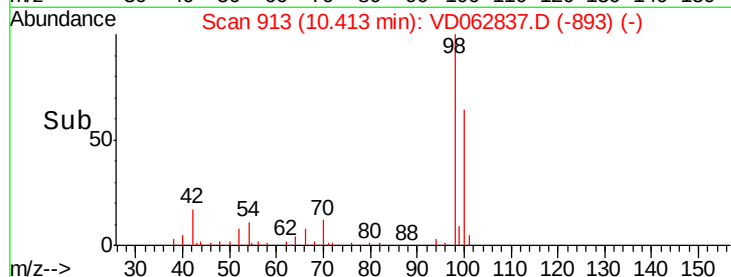
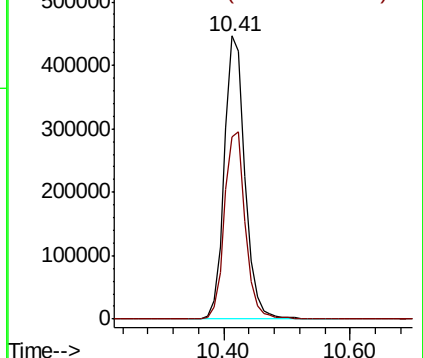
98 100

100 64.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.173 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062837.D

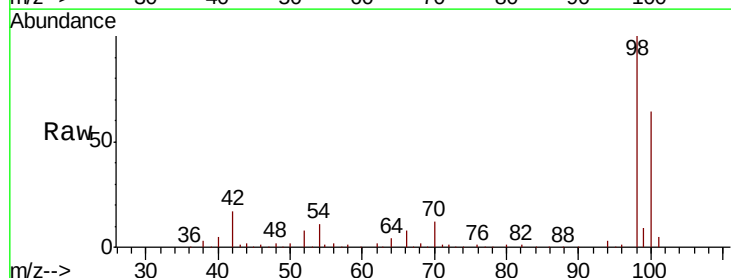
Acq: 24 Jun 2019 13:48

Tgt Ion: 43 Resp: 4858

Ion Ratio Lower Upper

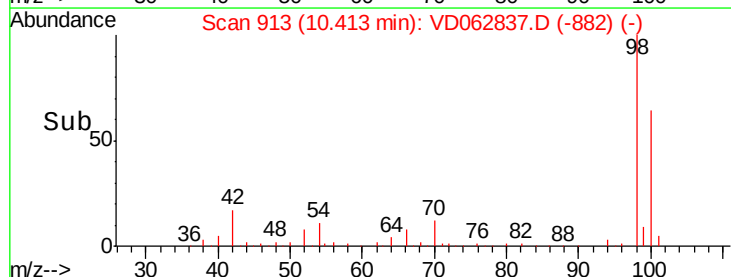
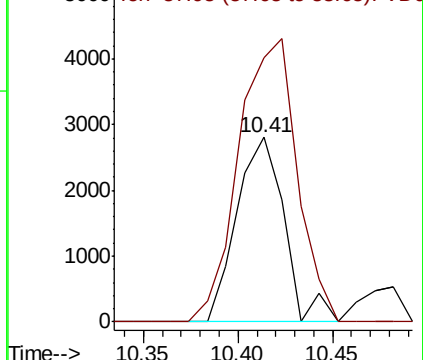
43 100

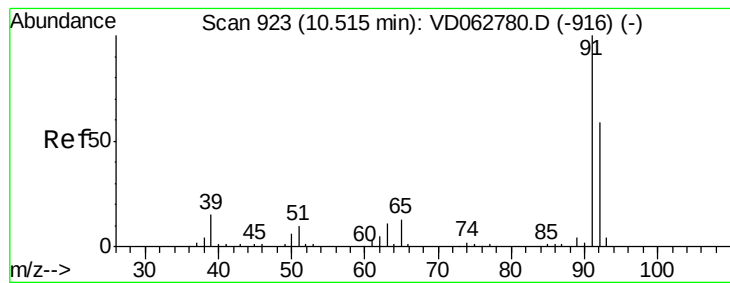
58 143.2 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 1.788 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

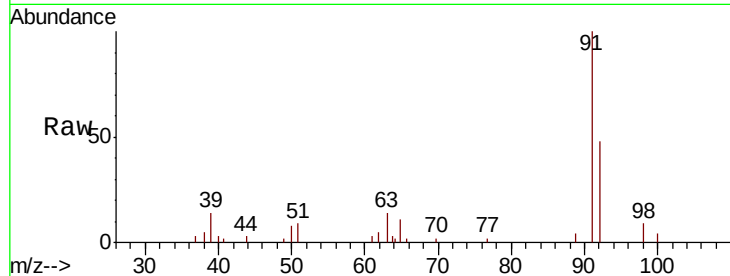
FK-BPM-04-002

Tot Ion: 92 Resp: 26879

Ion Ratio Lower Upper

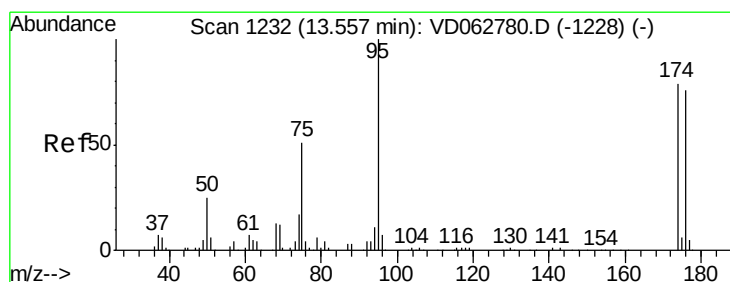
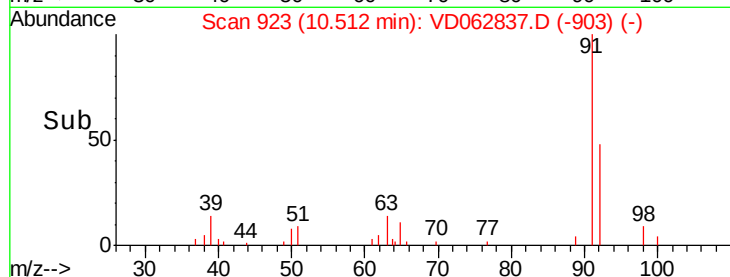
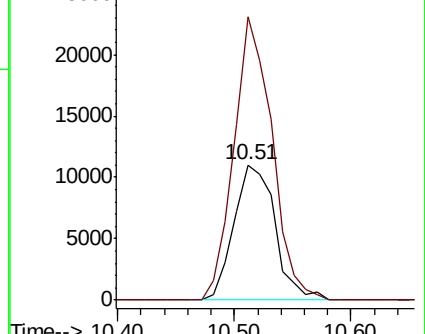
92 100

91 209.3 136.3 204.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.989 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

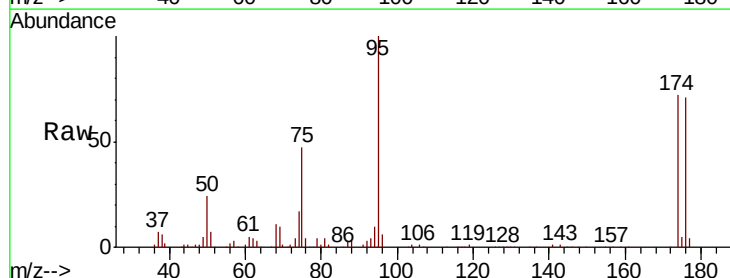
Tgt Ion: 95 Resp: 461389

Ion Ratio Lower Upper

95 100

174 72.2 0.0 158.0

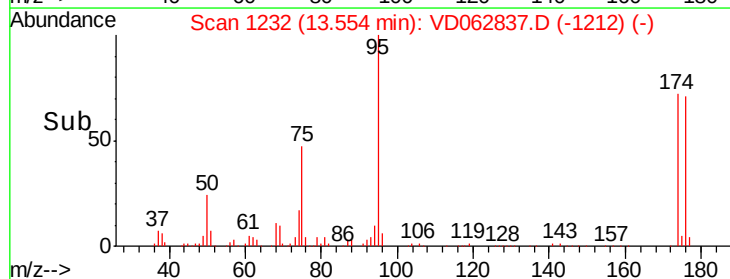
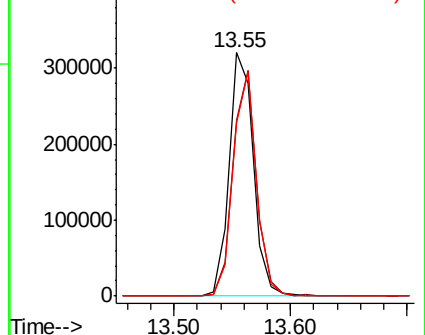
176 71.0 0.0 151.6

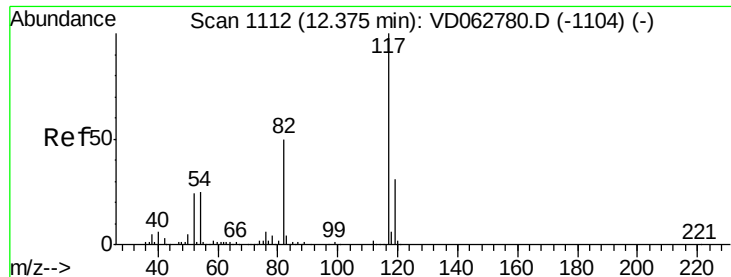


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

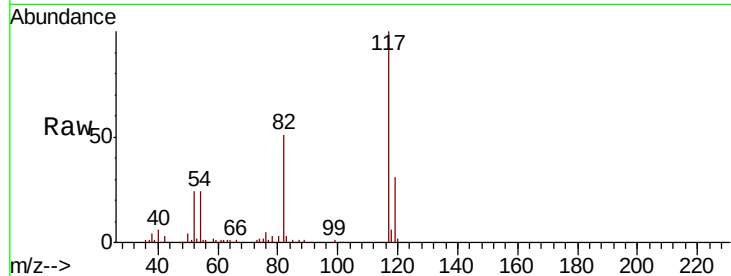




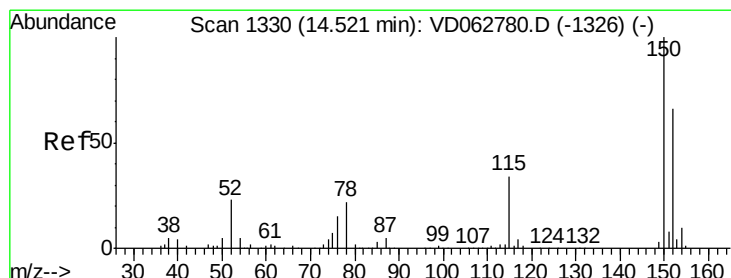
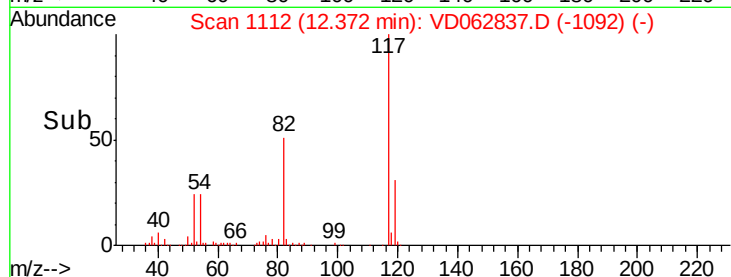
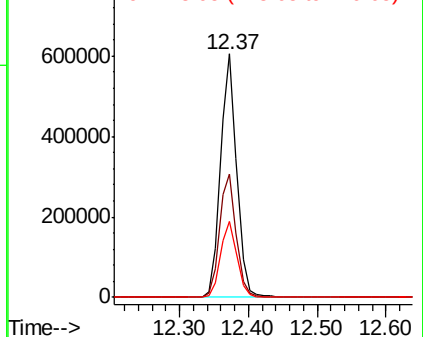
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062837.D
Acq: 24 Jun 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002

Tot Ion:117 Resp: 983154
Ion Ratio Lower Upper
117 100
82 50.6 40.4 60.6
119 31.0 25.2 37.8

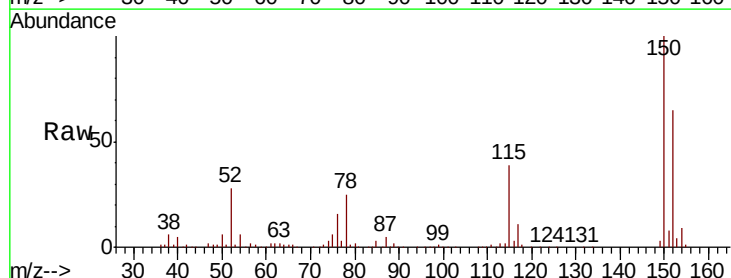


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

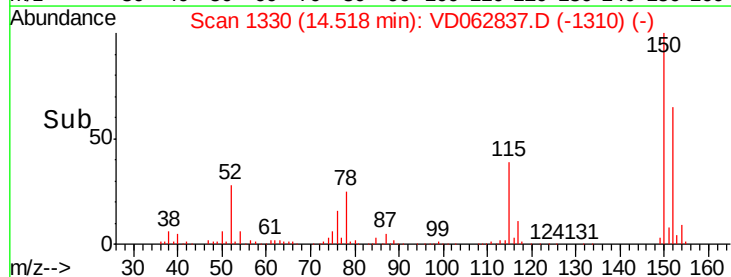
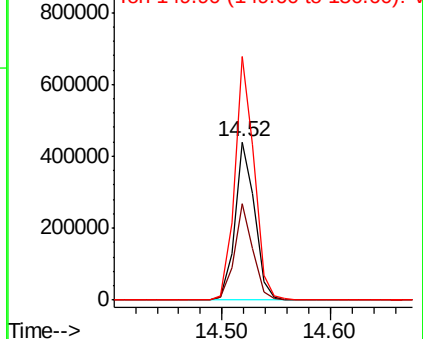


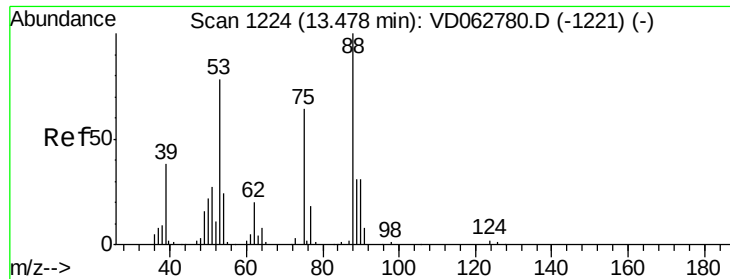
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062837.D
Acq: 24 Jun 2019 13:48

Tgt Ion:152 Resp: 553192
Ion Ratio Lower Upper
152 100
115 60.7 29.2 87.6
150 154.0 0.0 305.8



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

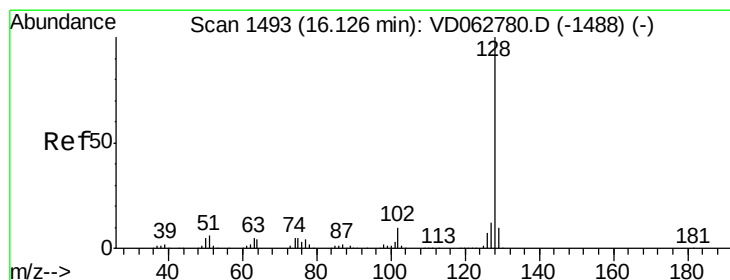
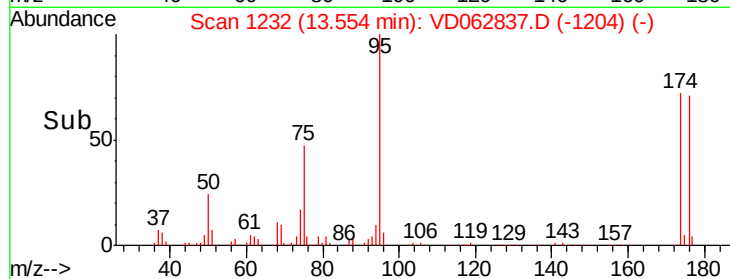
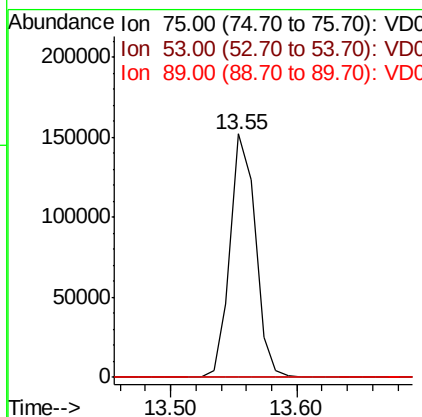
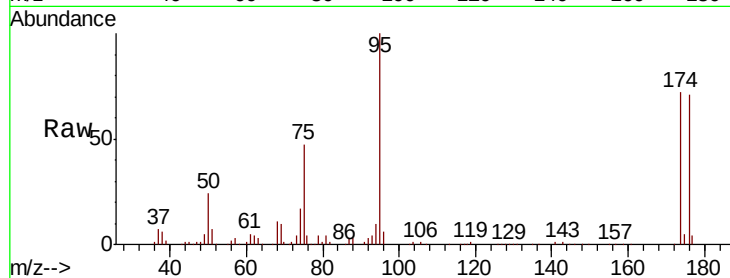




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.290 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062837.D
 Acq: 24 Jun 2019 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002

Tot Ion: 75 Resp: 211375
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#



#95
 Naphthalene
 Concen: 6.120 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062837.D
 Acq: 24 Jun 2019 13:48

Tgt Ion:128 Resp: 98038
 Ion Ratio Lower Upper
 128 100
 127 11.3 9.7 14.5
 129 10.7 8.3 12.5

