

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061724.D
 Acq On : 10 Apr 2019 20:24
 Operator : VA/AP
 Sample : K2338-03RE
 Misc : 5.23g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:09:26 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

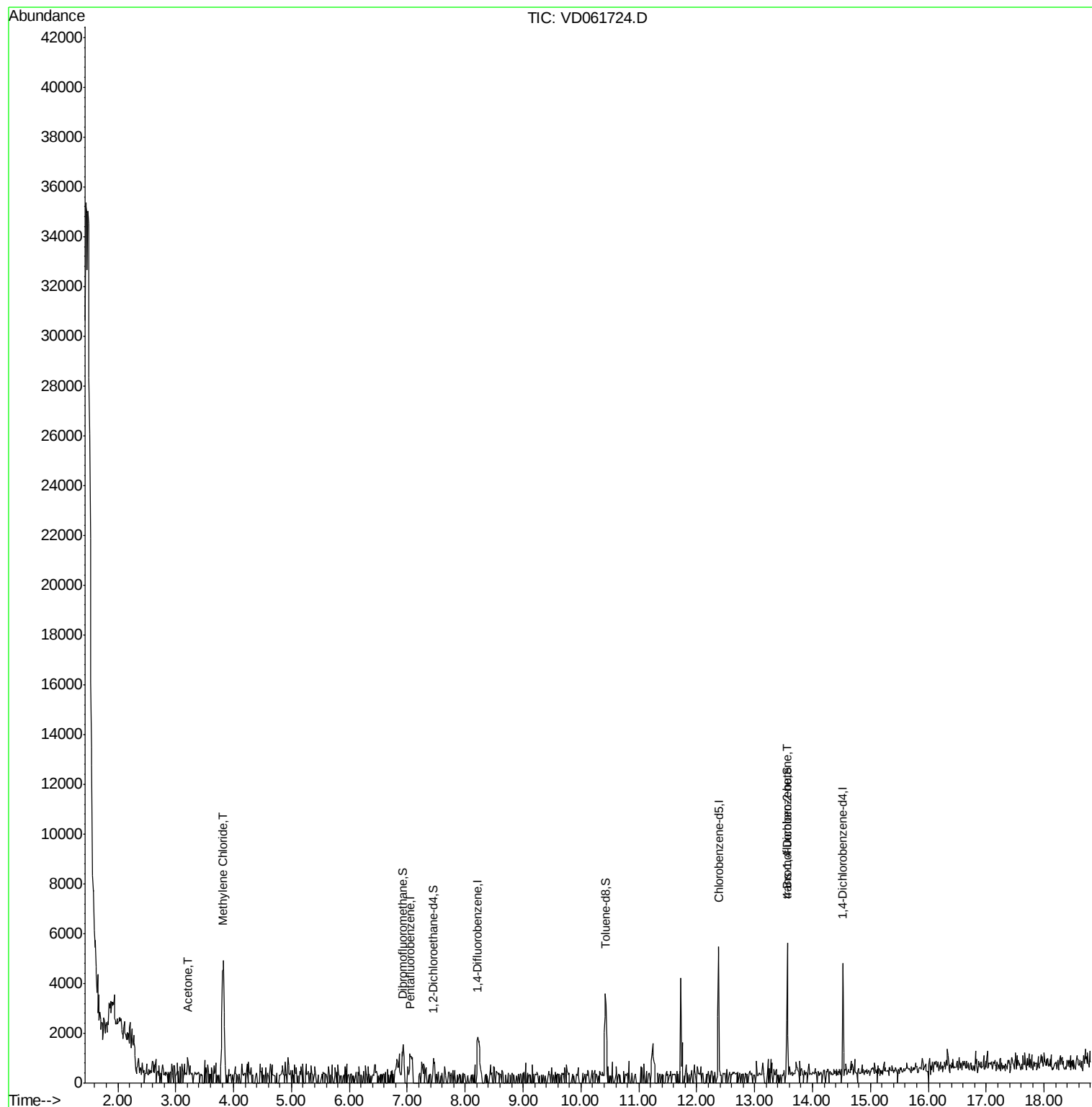
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	2489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	4815	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	4203	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	1553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	963	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
35) Dibromofluoromethane	6.93	113	1443	43.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.52%	
50) Toluene-d8	10.43	98	4162	49.66	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	13.56	95	1667	58.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.38%	
Target Compounds						
16) Acetone	3.22	43	432	76.598	ug/l #	51
20) Methylene Chloride	3.81	84	3831	119.706	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.56	75	522	81.416	ug/l #	20

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061724.D

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Instrument :

MSVOA_D

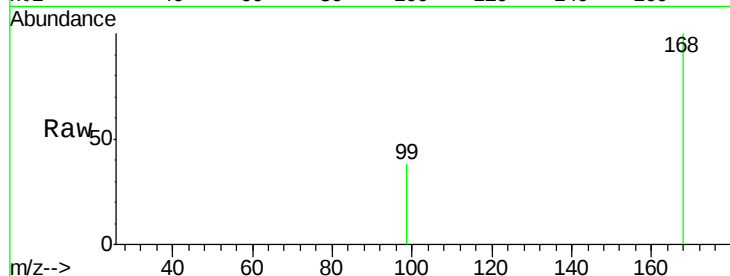
ClientSampleId :

Tot Ion:168 Resp: 2489

Ion Ratio Lower Upper

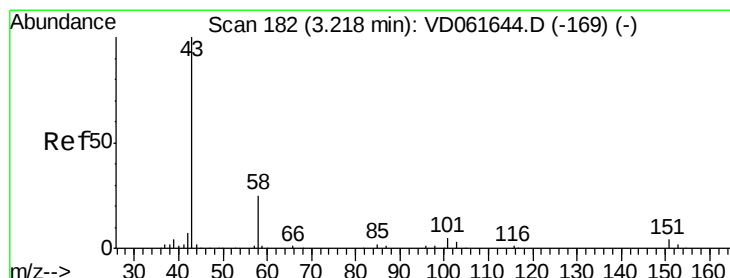
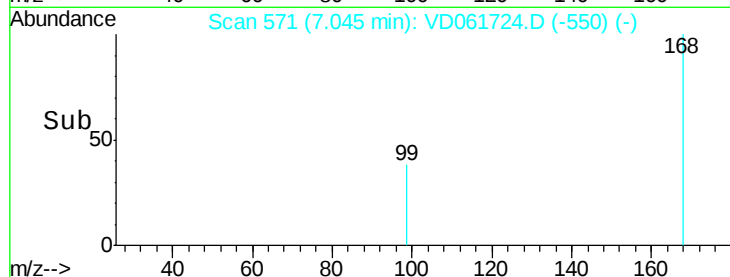
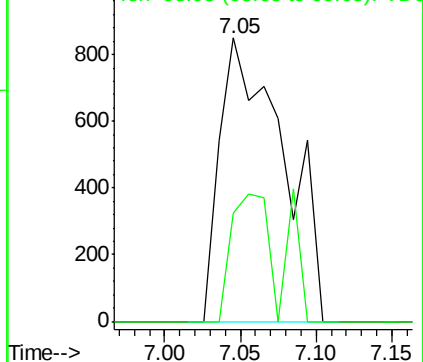
168 100

99 38.4 46.8 70.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 76.598 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061724.D

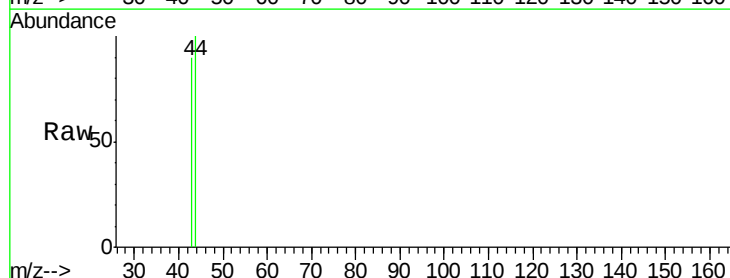
Acq: 10 Apr 2019 20:24

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

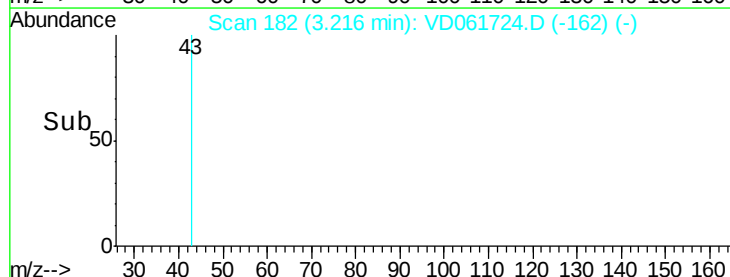
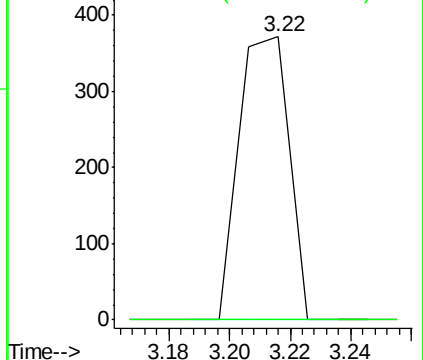
43 100

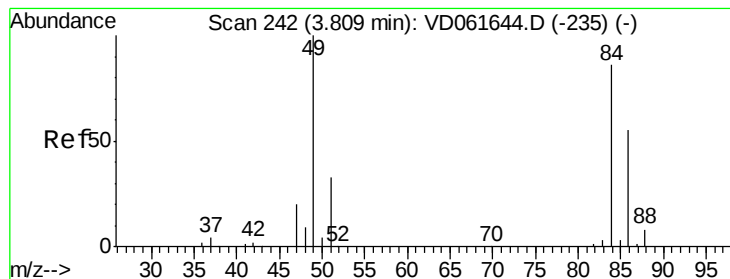
58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 119.706 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD061724.D

Acq: 10 Apr 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 3831

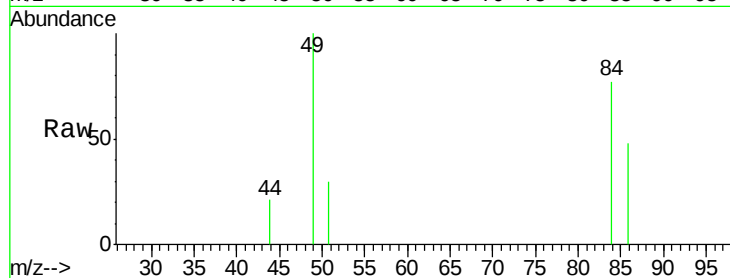
Ion Ratio Lower Upper

84 100

49 130.4 93.0 139.4

51 39.1 30.4 45.6

86 62.1 51.0 76.4

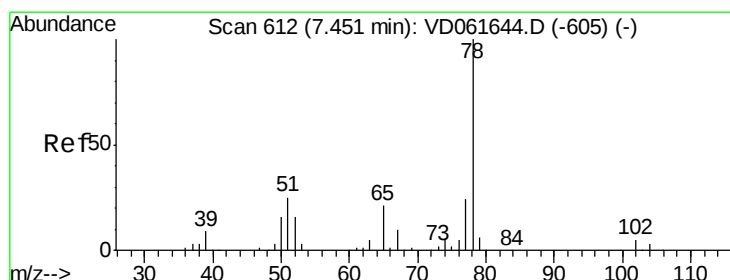
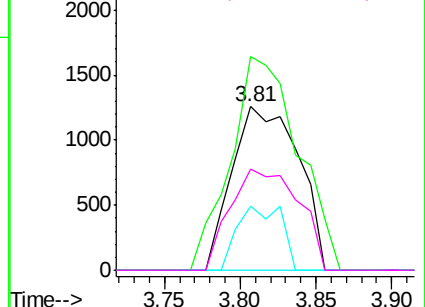
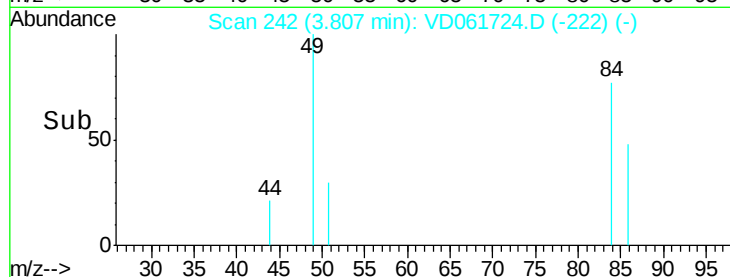


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061724.D

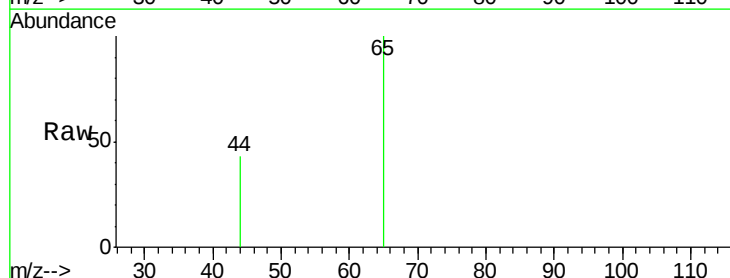
Acq: 10 Apr 2019 20:24

Tgt Ion: 65 Resp: 963

Ion Ratio Lower Upper

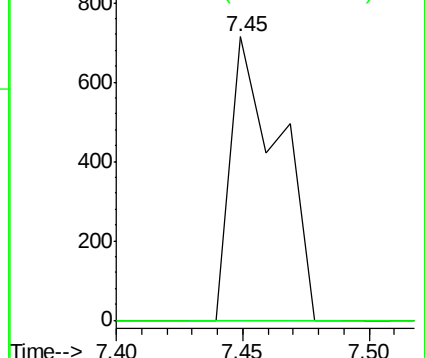
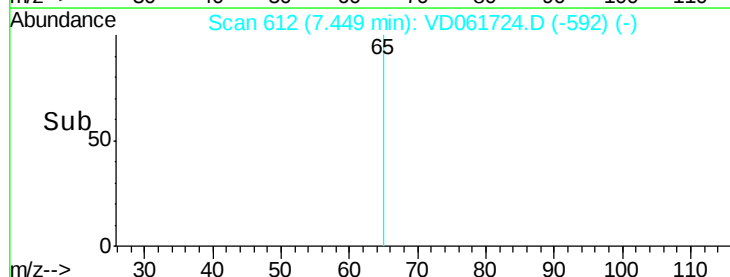
65 100

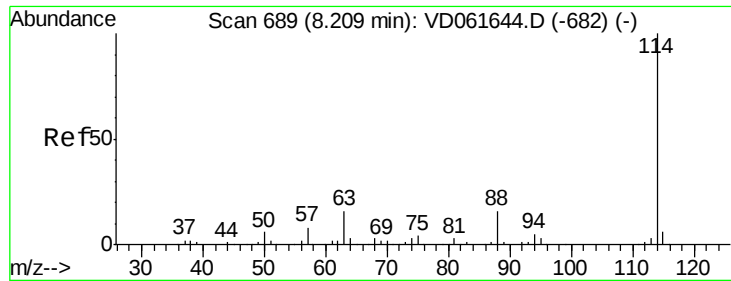
67 0.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

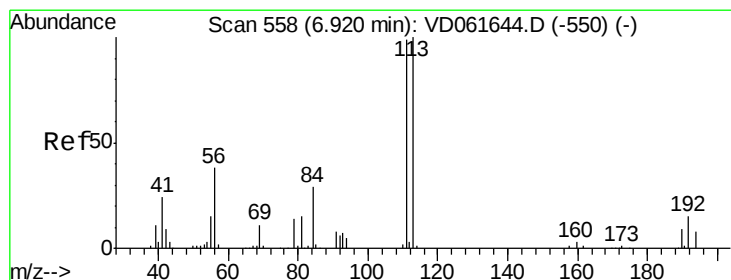
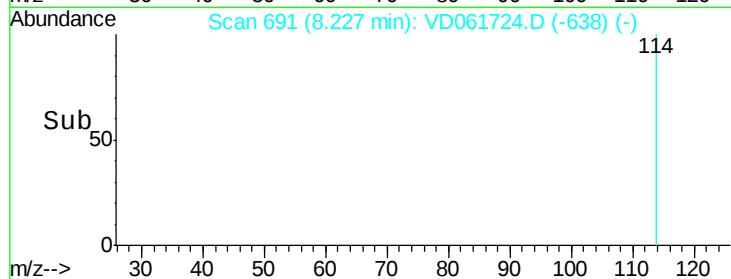
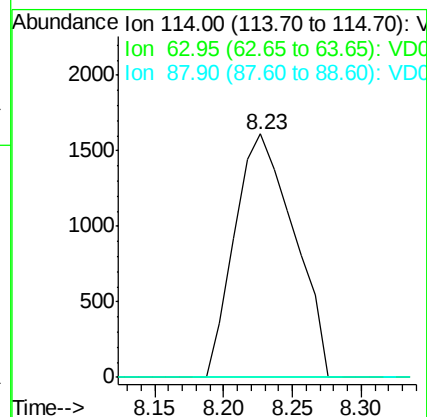
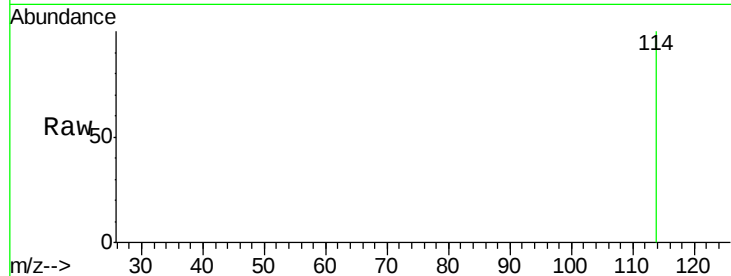




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061724.D
 Acq: 10 Apr 2019 20:24

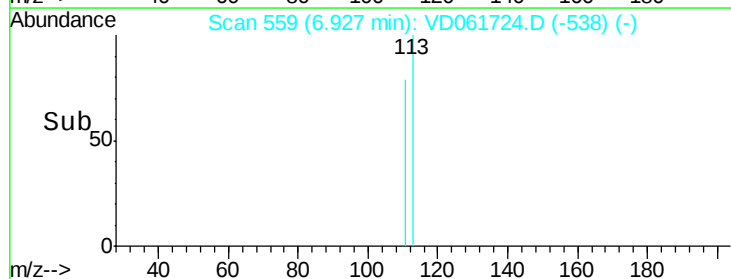
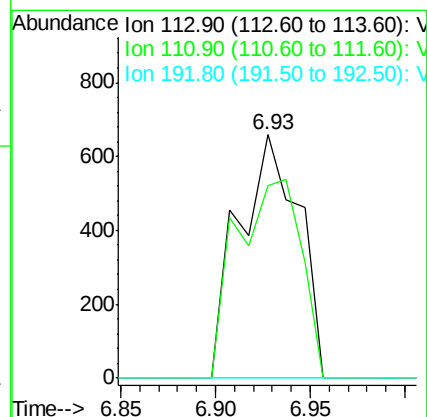
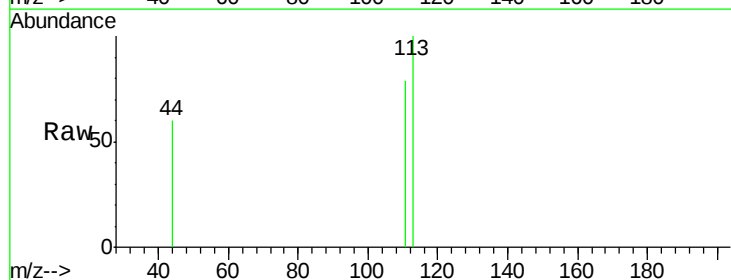
Instrument :
 MSVOA_D
 ClientSampleId :

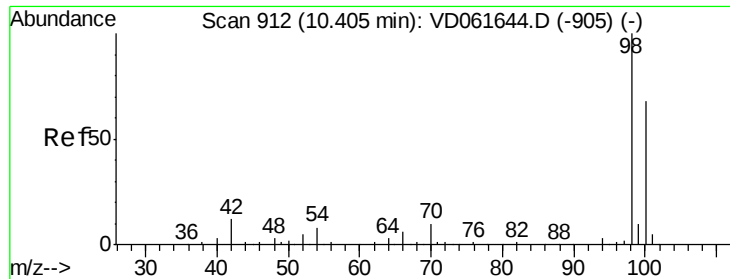
Tot Ion:114 Resp: 4815
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 31.2
 88 0.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061724.D
 Acq: 10 Apr 2019 20:24

Tgt Ion:113 Resp: 1443
 Ion Ratio Lower Upper
 113 100
 111 79.1 79.3 118.9#
 192 0.0 12.3 18.5#

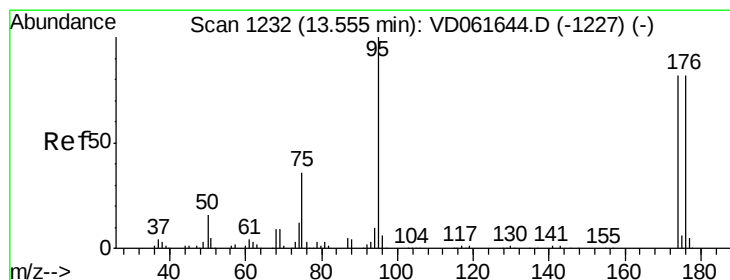
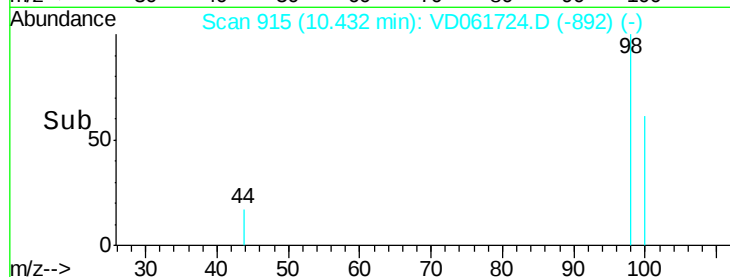
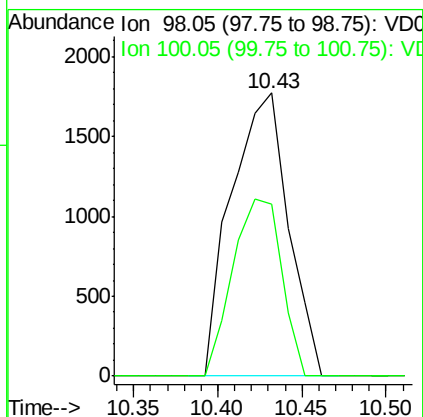
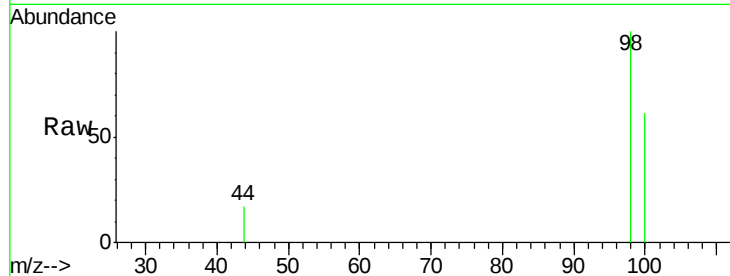




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061724.D
Acq: 10 Apr 2019 20:24

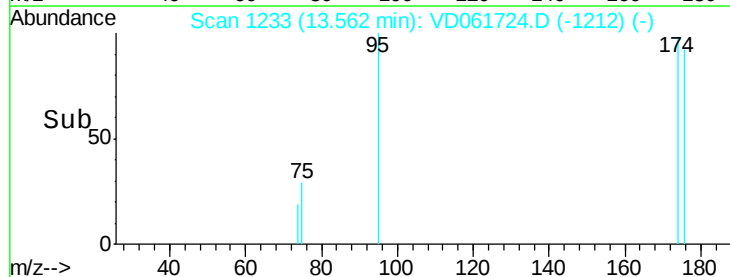
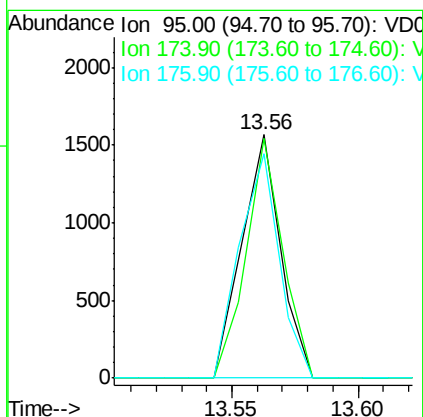
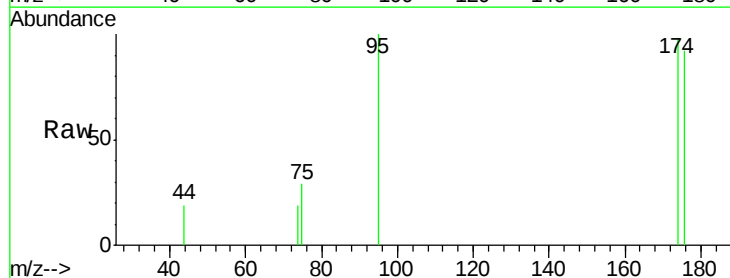
Instrument :
MSVOA_D
ClientSampleId :

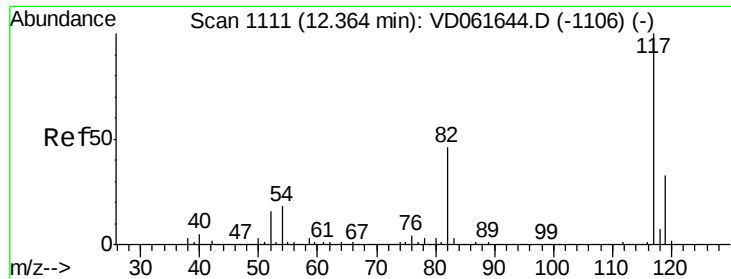
Tot Ion: 98 Resp: 4162
Ion Ratio Lower Upper
98 100
100 60.7 55.4 83.0



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061724.D
Acq: 10 Apr 2019 20:24

Tgt Ion: 95 Resp: 1667
Ion Ratio Lower Upper
95 100
174 98.3 0.0 164.6
176 92.0 0.0 165.0

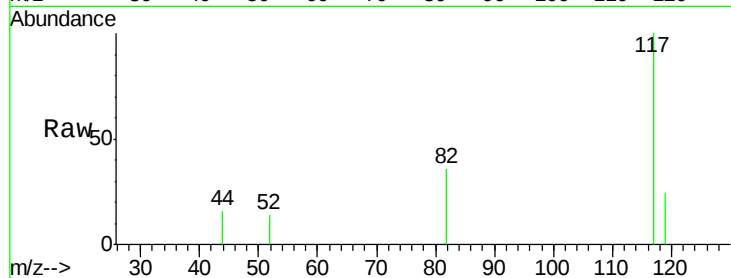




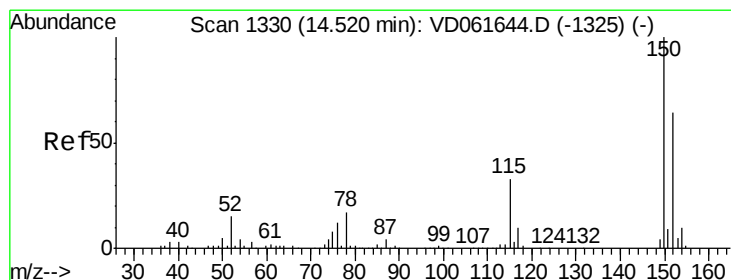
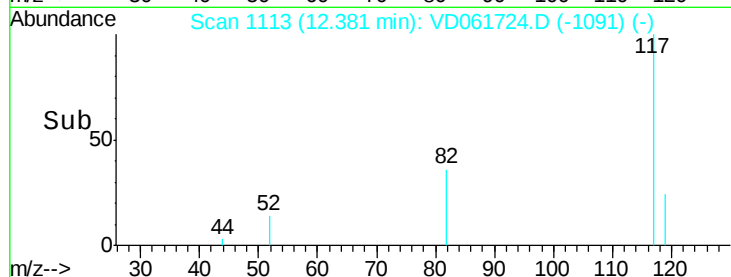
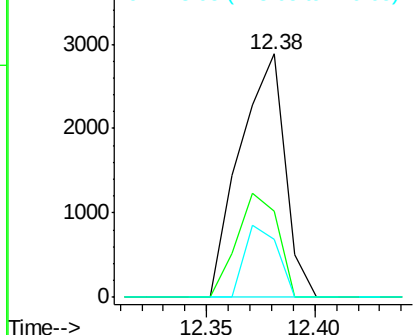
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061724.D
Acq: 10 Apr 2019 20:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 4203
Ion Ratio Lower Upper
117 100
82 35.6 36.8 55.2#
119 23.9 26.1 39.1#

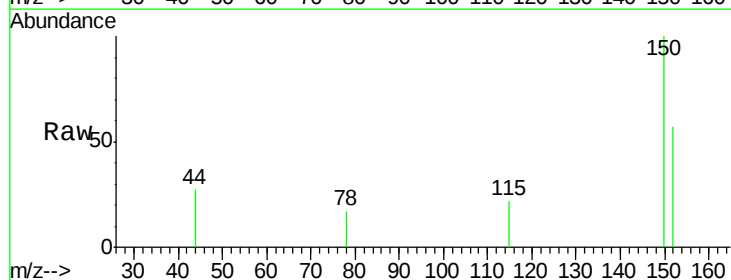


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

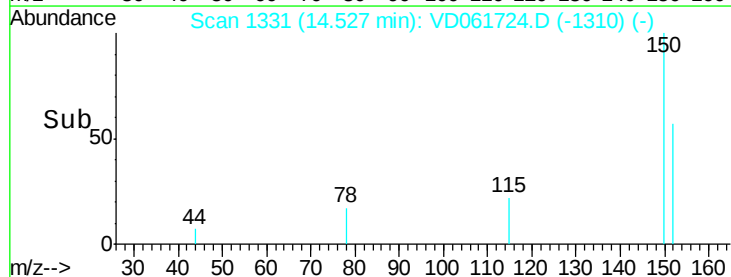
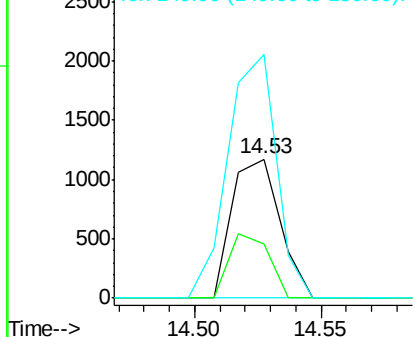


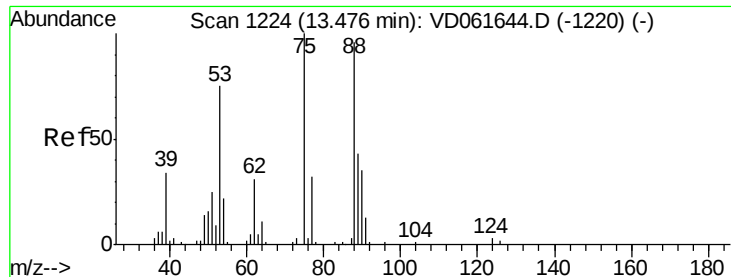
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061724.D
Acq: 10 Apr 2019 20:24

Tgt Ion:152 Resp: 1553
Ion Ratio Lower Upper
152 100
115 38.8 26.4 79.2
150 175.6 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: 81.416 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

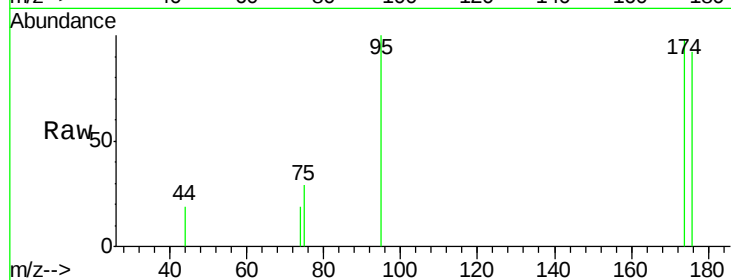
Lab File: VD061724.D

Acq: 10 Apr 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion: 75 Resp: 522

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

