

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061748.D
 Acq On : 11 Apr 2019 18:34
 Operator : VA/AP
 Sample : K2355-02
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:02:09 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	435481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	769389	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	629839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	234012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	208443	63.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.30%	
35) Dibromofluoromethane	6.91	113	297612	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
50) Toluene-d8	10.40	98	654952	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	13.55	95	250832	54.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.48%	

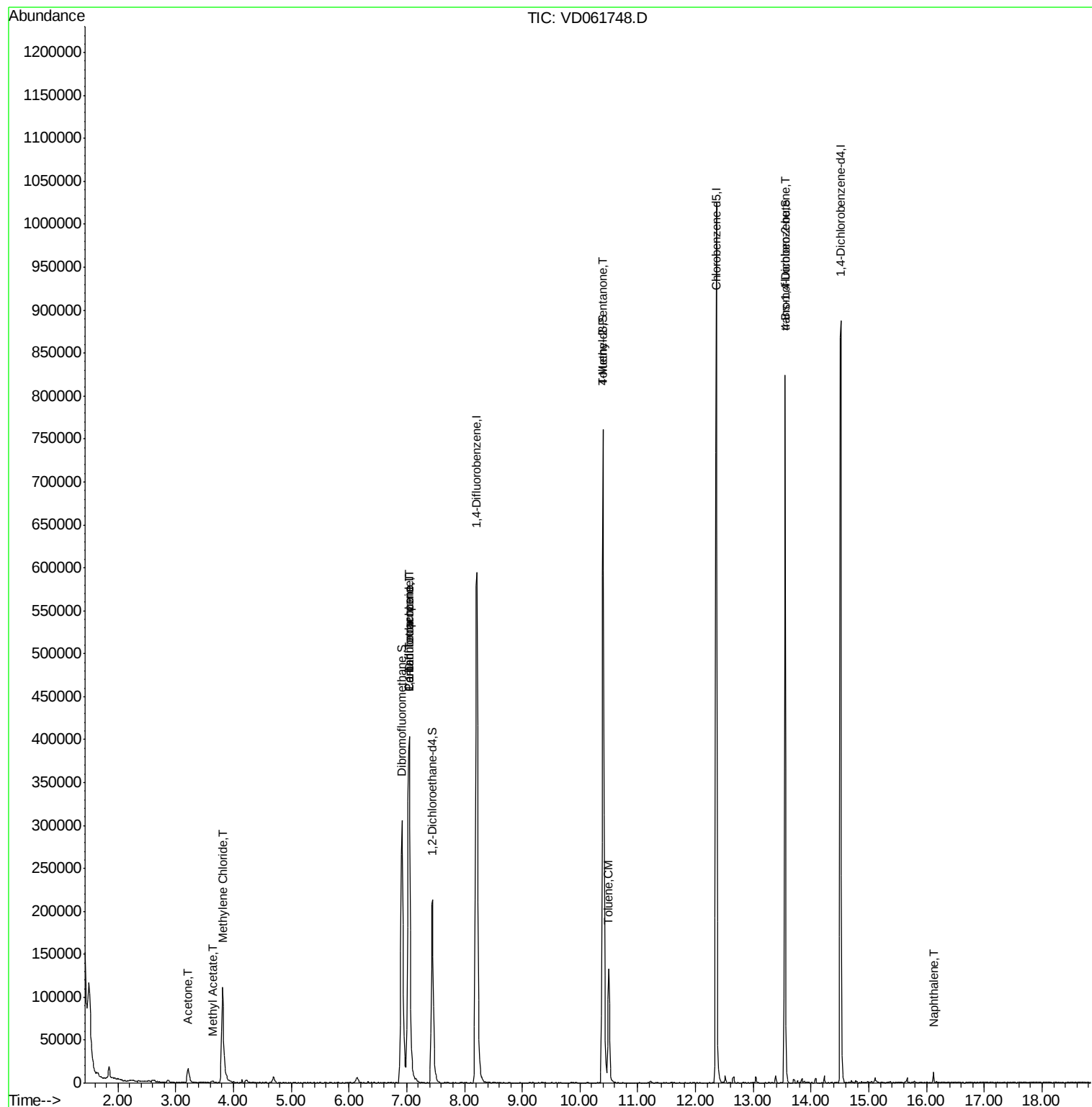
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	31743	32.169	ug/l	94
18) Methyl Acetate	3.65	43	4116	2.217	ug/l	92
20) Methylene Chloride	3.81	84	80990	14.464	ug/l	98
36) 1,1-Dichloropropene	7.04	75	32713	4.858	ug/l #	47
38) Carbon Tetrachloride	7.04	117	42268	5.356	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	3197	1.358	ug/l #	1
52) Toluene	10.50	92	67302	6.635	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	94696	98.017	ug/l #	20
95) Naphthalene	16.12	128	9259	1.789	ug/l	98

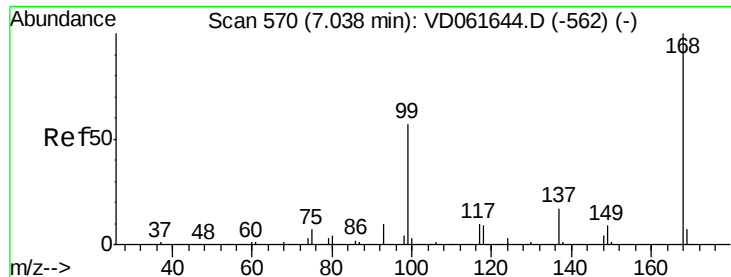
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041119\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

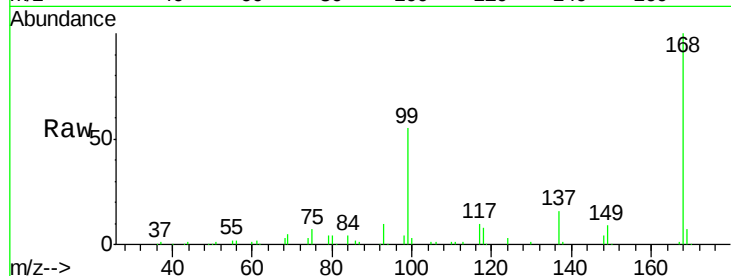
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 435481

Ion Ratio Lower Upper

168 100

99 55.1 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

150000

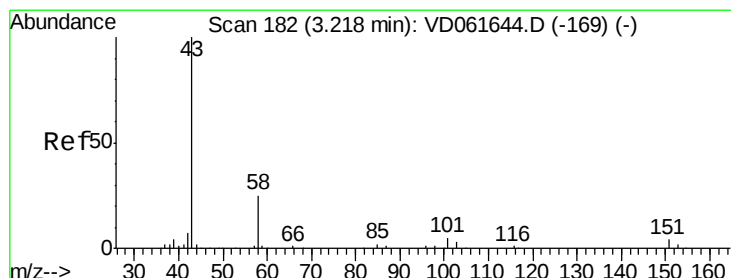
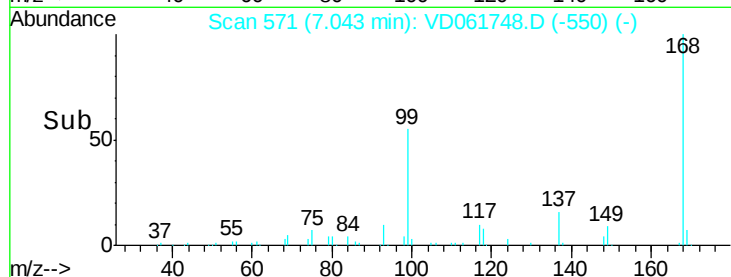
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 32.169 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061748.D

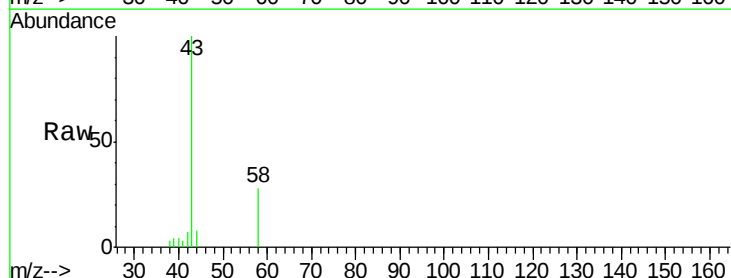
Acq: 11 Apr 2019 18:34

Tgt Ion: 43 Resp: 31743

Ion Ratio Lower Upper

43 100

58 27.7 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

12000

10000

8000

6000

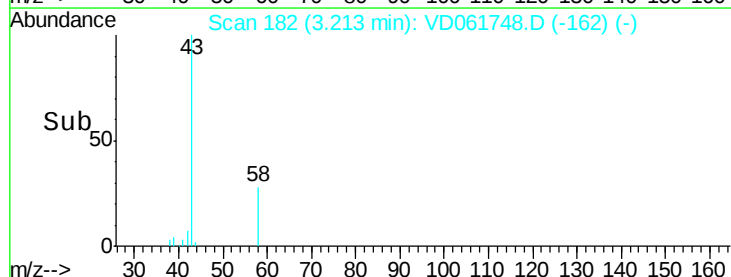
4000

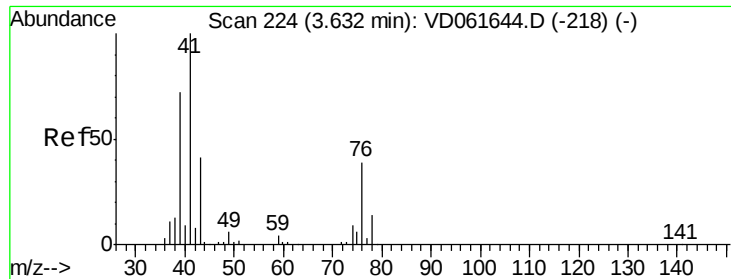
2000

0

3.10 3.20 3.30 3.40

Time-->

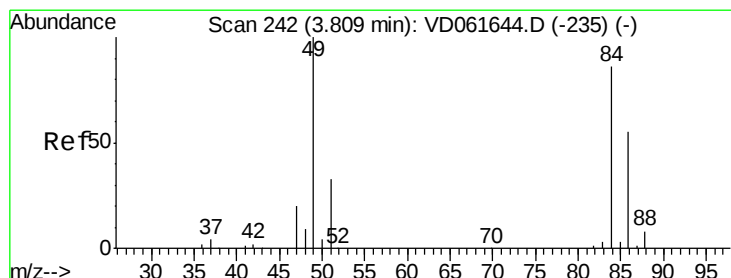
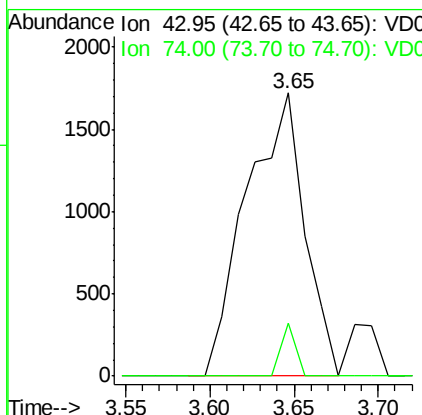
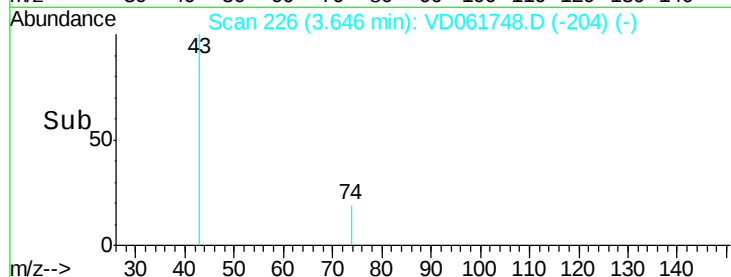
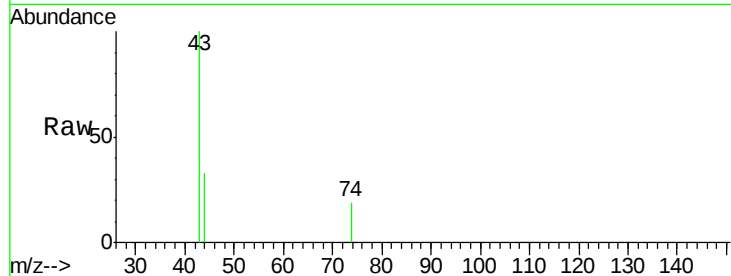




#18
Methyl Acetate
Concen: 2.217 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061748.D
Acq: 11 Apr 2019 18:34

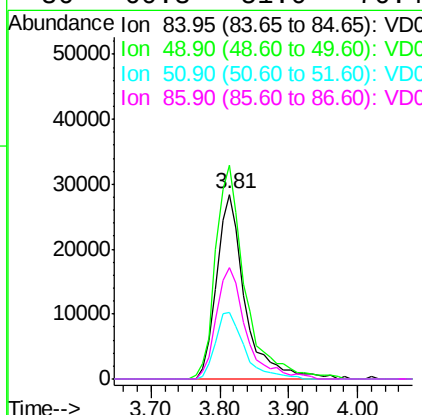
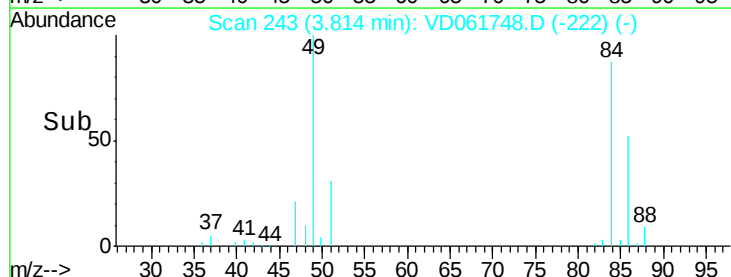
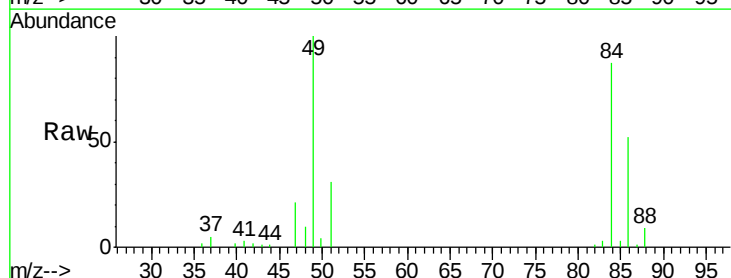
Instrument :
MSVOA_D
ClientSampleId :

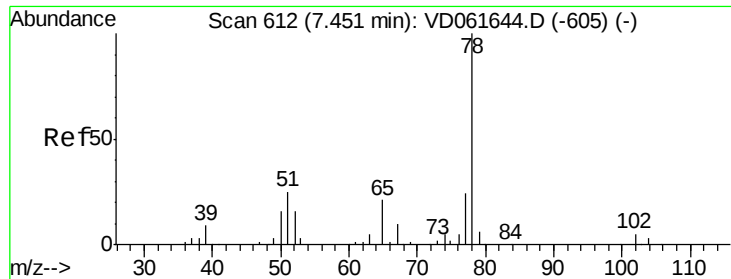
Tot Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
74 18.8 18.2 27.2



#20
Methylene Chloride
Concen: 14.464 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061748.D
Acq: 11 Apr 2019 18:34

Tgt Ion: 84 Resp: 80990
Ion Ratio Lower Upper
84 100
49 115.5 93.0 139.4
51 35.8 30.4 45.6
86 60.3 51.0 76.4

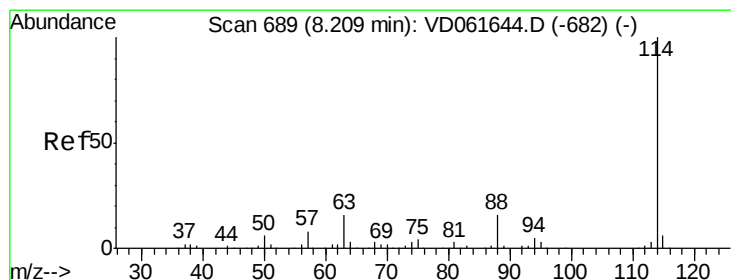
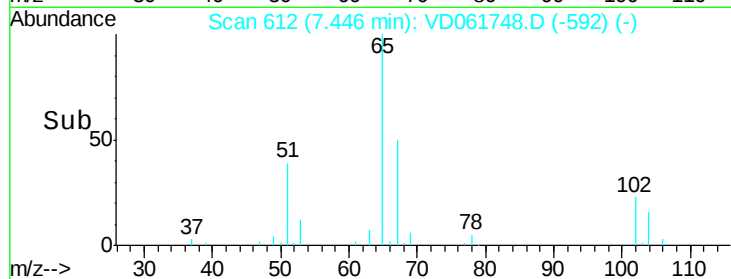
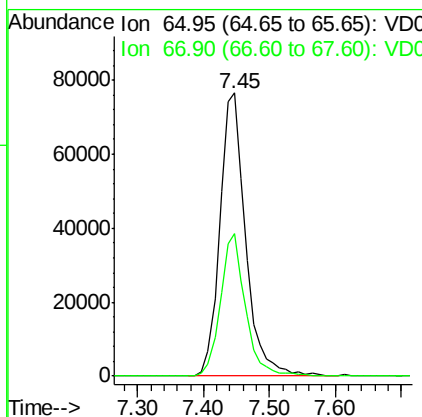
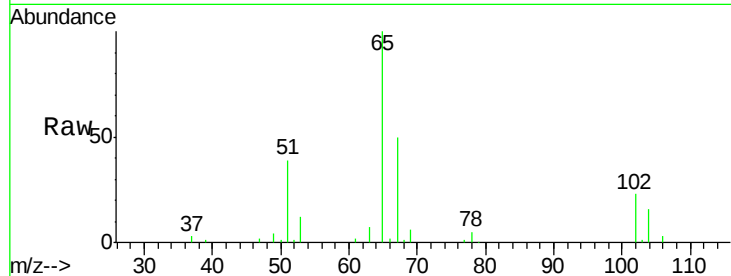




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061748.D
 Acq: 11 Apr 2019 18:34

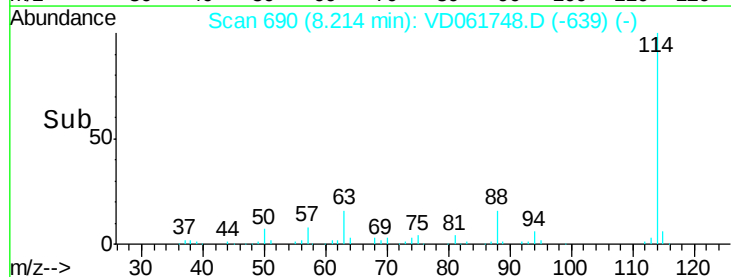
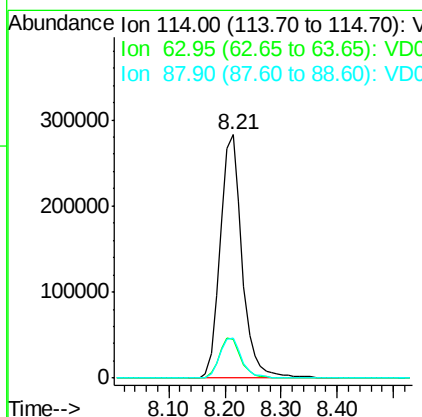
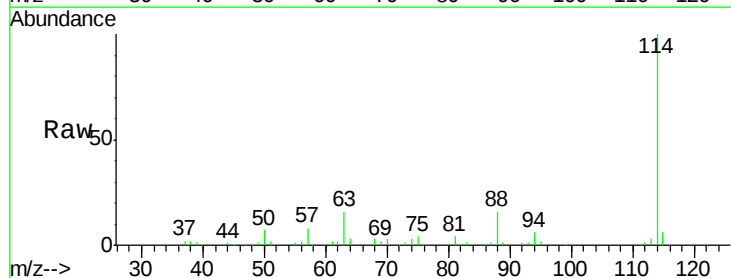
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 208443
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061748.D
 Acq: 11 Apr 2019 18:34

Tgt Ion: 114 Resp: 769389
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

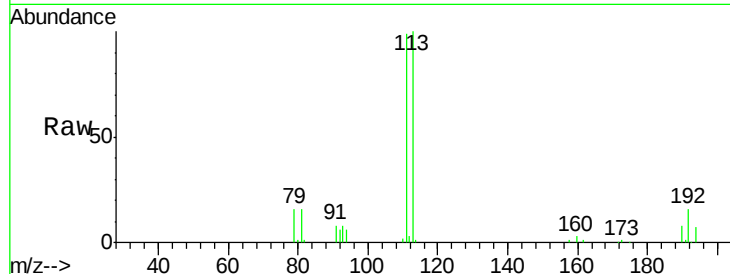
Delta R.T. -0.00 min

Lab File: VD061748.D

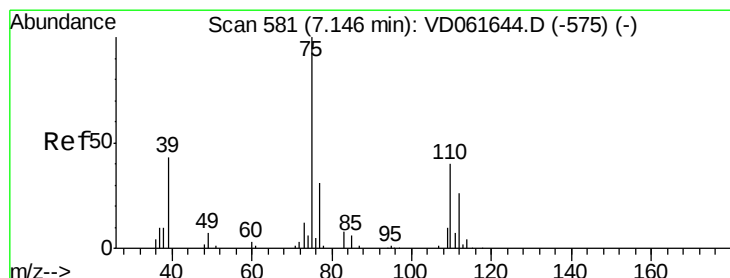
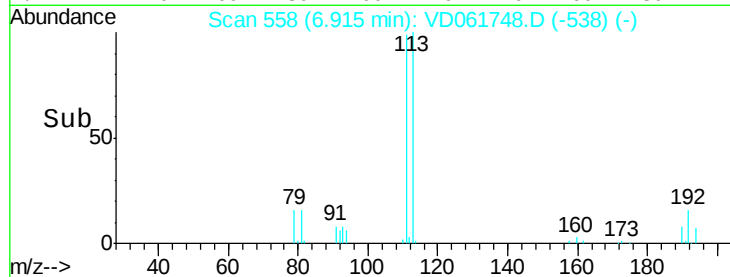
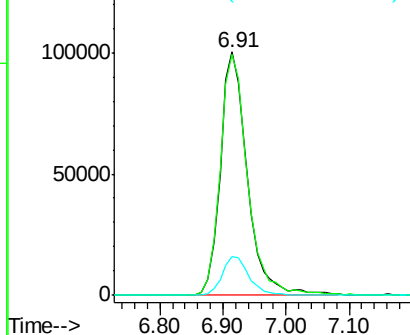
Acq: 11 Apr 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113	Resp:	297612
Ion Ratio	Lower	Upper
113	100	
111	99.2	79.3 118.9
192	15.8	12.3 18.5



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: 4.858 ug/l

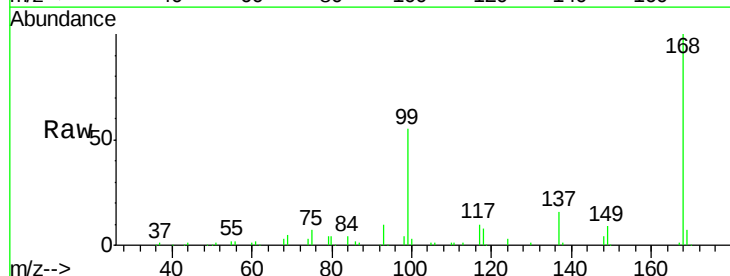
RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

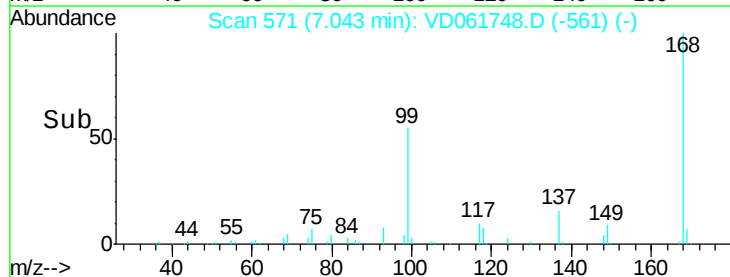
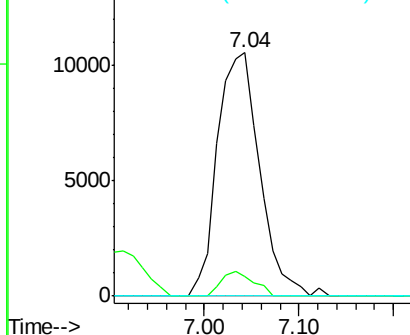
Lab File: VD061748.D

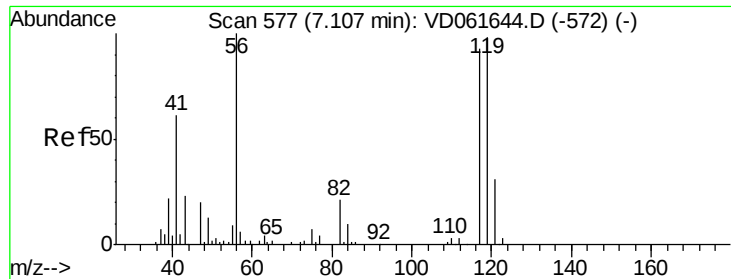
Acq: 11 Apr 2019 18:34

Tgt Ion: 75	Resp:	32713
Ion Ratio	Lower	Upper
75	100	
110	8.3	19.7 59.0#
77	0.0	24.8 37.2#



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

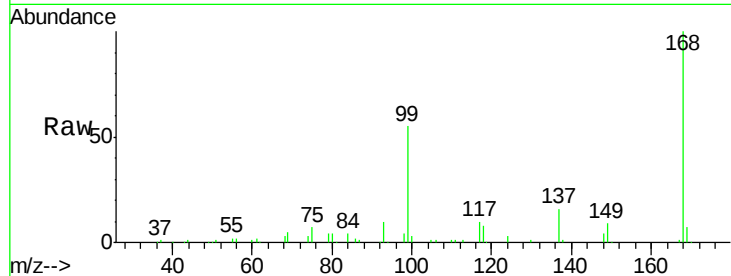




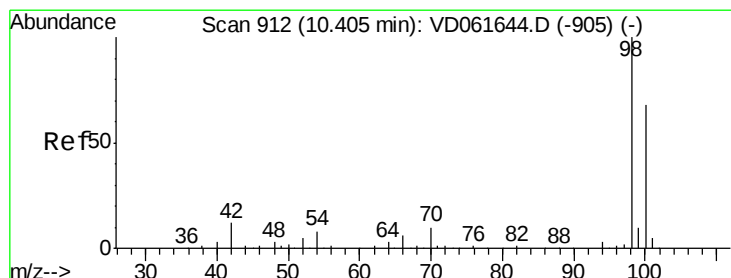
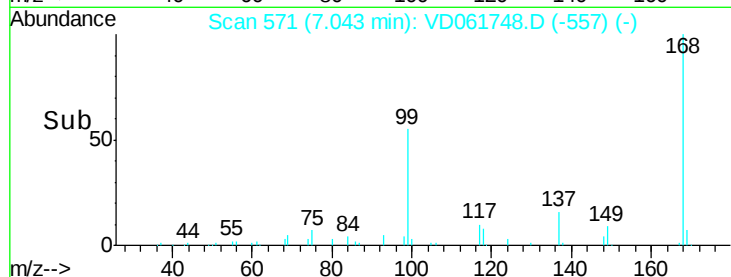
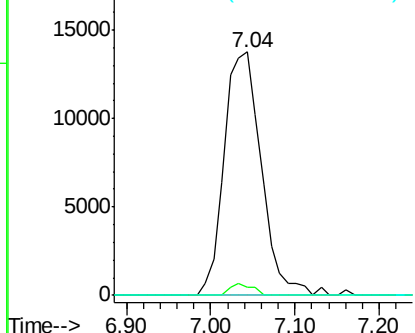
#38
Carbon Tetrachloride
Concen: 5.356 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD061748.D
Acq: 11 Apr 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 42268
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.7 37.1#

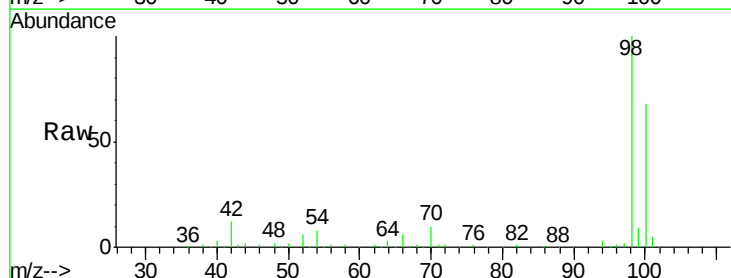


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

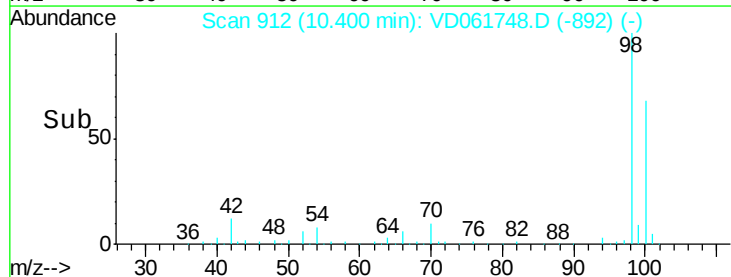
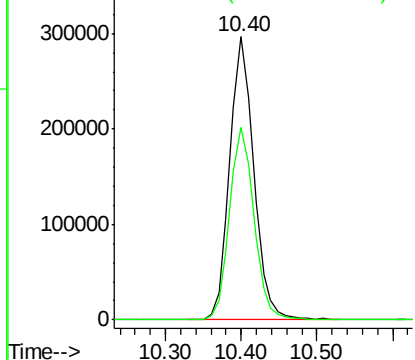


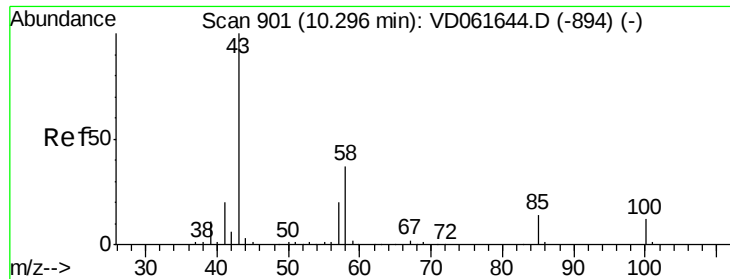
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061748.D
Acq: 11 Apr 2019 18:34

Tgt Ion: 98 Resp: 654952
Ion Ratio Lower Upper
98 100
100 68.1 55.4 83.0



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: 1.358 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

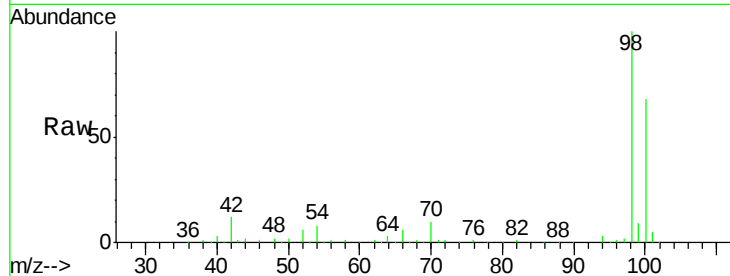
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3197

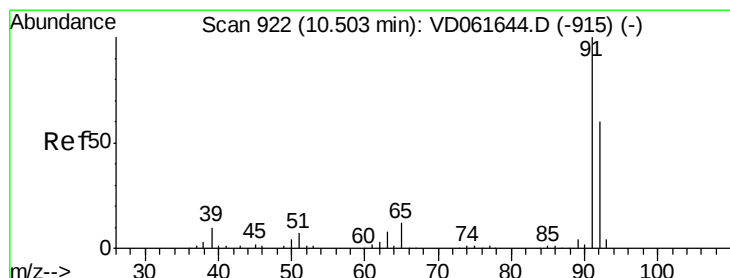
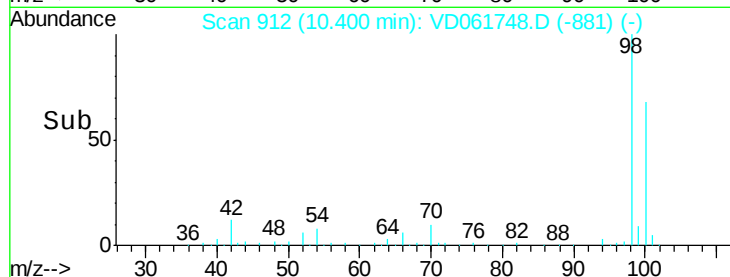
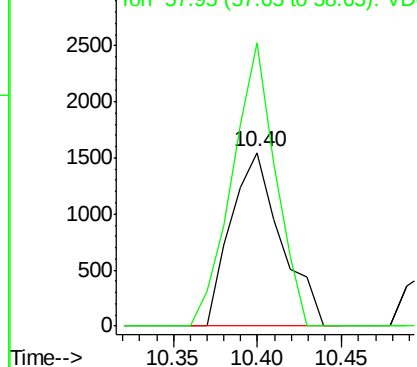
Ion Ratio Lower Upper

43 100

58 163.1 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.635 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061748.D

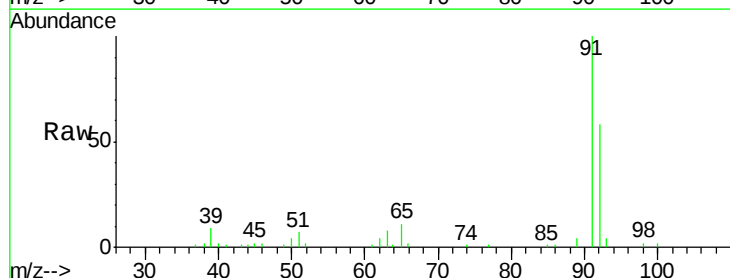
Acq: 11 Apr 2019 18:34

Tgt Ion: 92 Resp: 67302

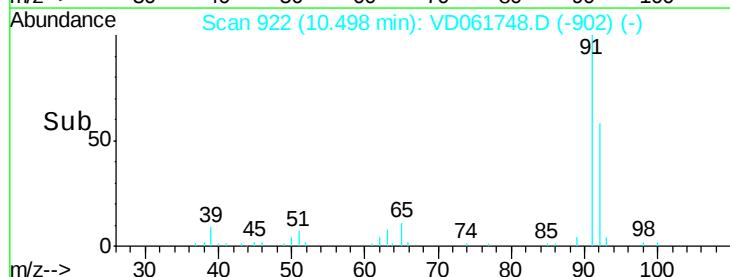
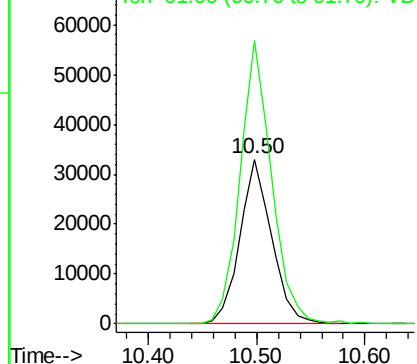
Ion Ratio Lower Upper

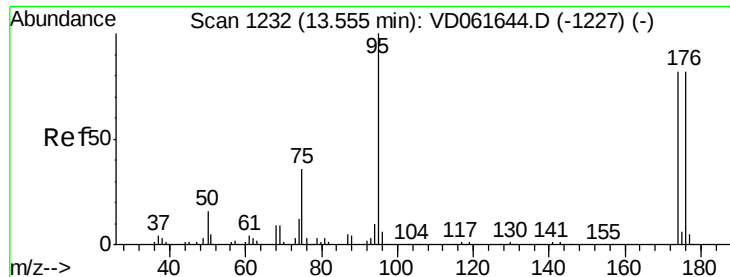
92 100

91 171.8 133.0 199.4



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

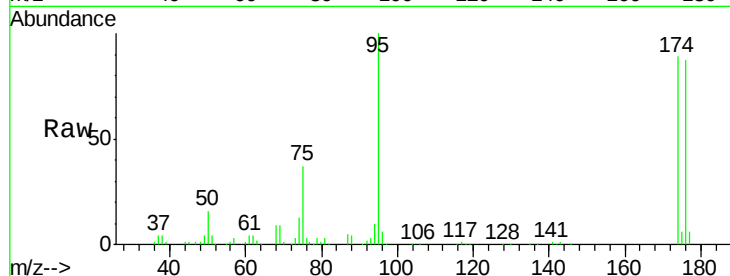
Tot Ion: 95 Resp: 250832

Ion Ratio Lower Upper

95 100

174 88.7 0.0 164.6

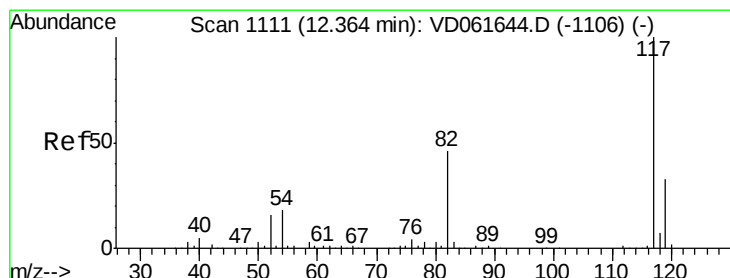
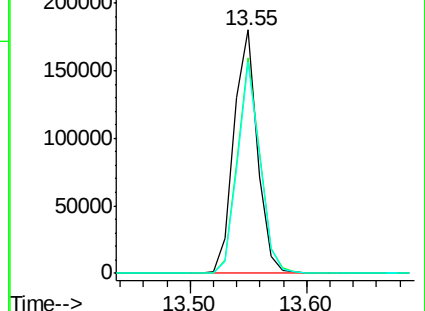
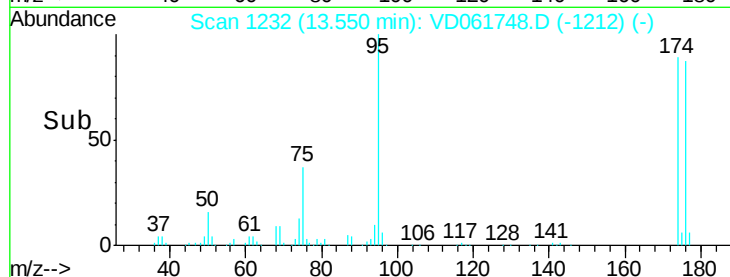
176 86.8 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

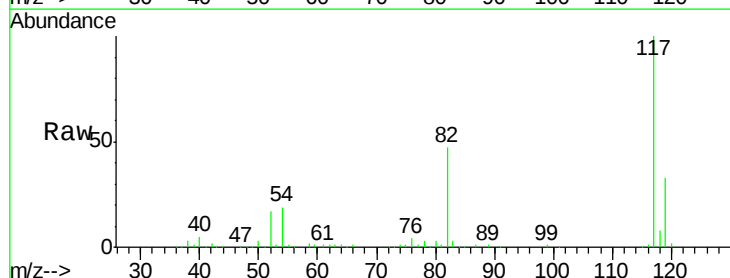
Tgt Ion: 117 Resp: 629839

Ion Ratio Lower Upper

117 100

82 46.5 36.8 55.2

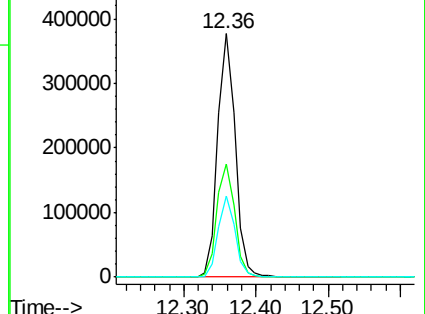
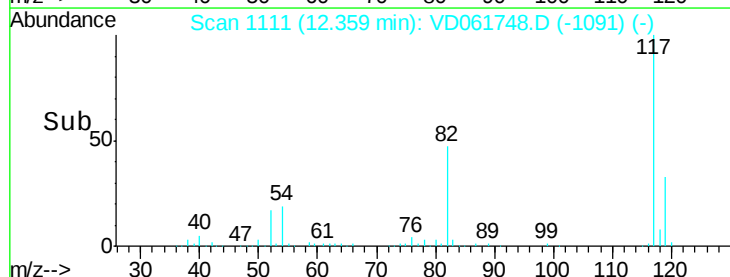
119 33.4 26.1 39.1

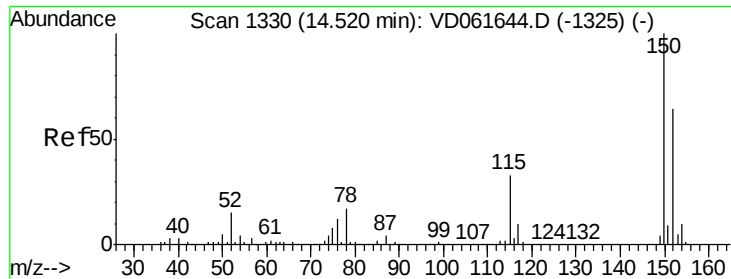


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. -0.00 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

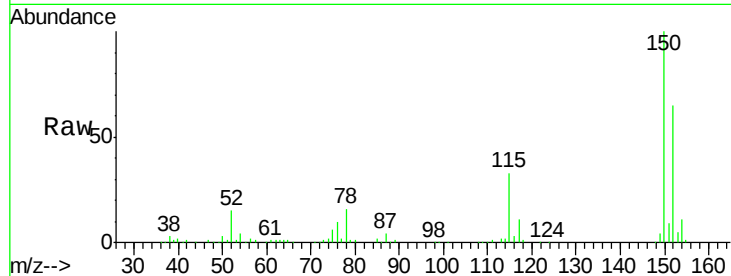
Tot Ion:152 Resp: 234012

Ion Ratio Lower Upper

152 100

115 51.3 26.4 79.2

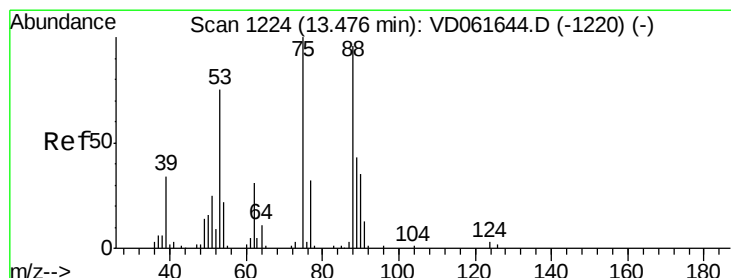
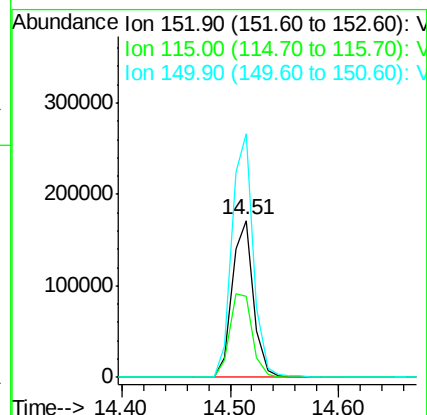
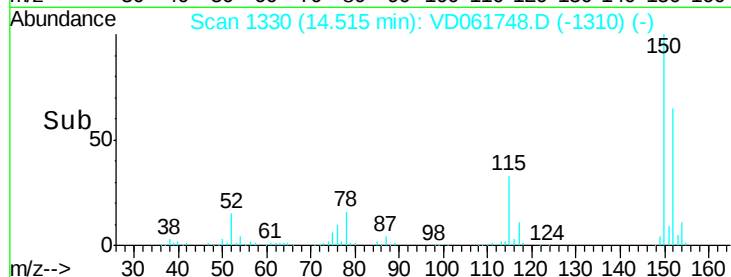
150 154.9 0.0 320.6



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: 98.017 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

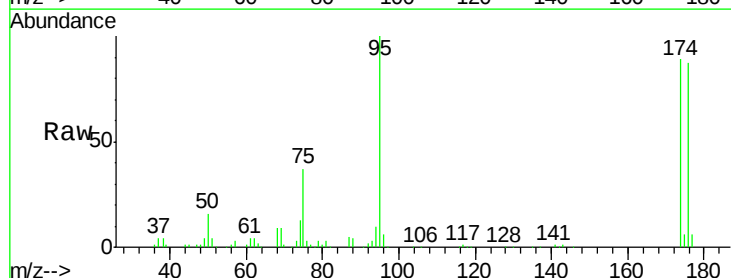
Tgt Ion: 75 Resp: 94696

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

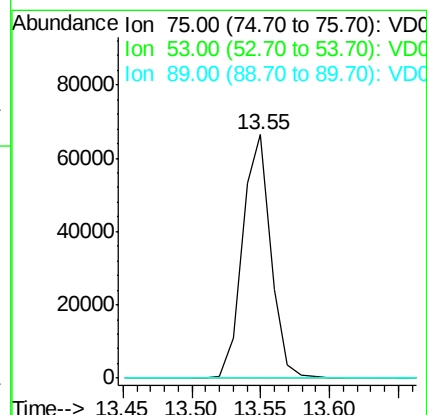
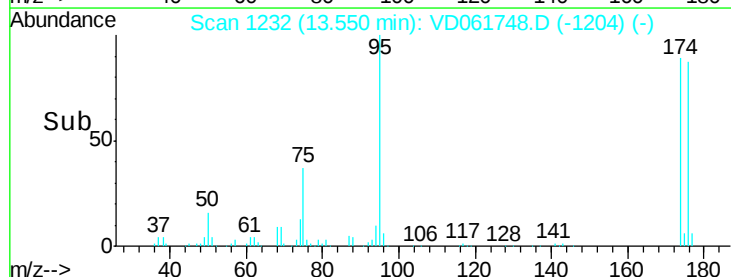
89 0.0 34.2 51.2#

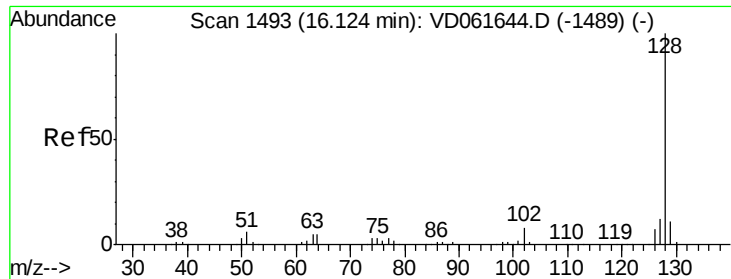


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.789 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

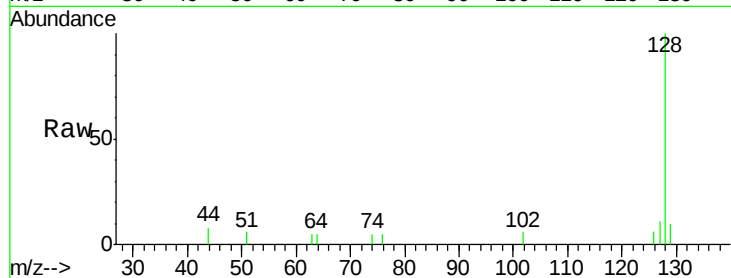
Lab File: VD061748.D

Acq: 11 Apr 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :



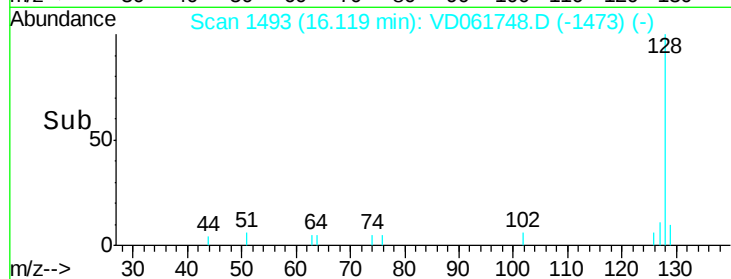
Tot Ion:128 Resp: 9259

Ion Ratio Lower Upper

128 100

127 11.4 9.4 14.2

129 10.1 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

