

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061607.D
 Acq On : 5 Apr 2019 6:37
 Operator : VA/AP
 Sample : K2257-25
 Misc : 3.88g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 08:20:51 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	7.02	168	410194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	688377	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	514066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	147899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	166385	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	6.90	113	250623	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.39	98	538507	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	
62) 4-Bromofluorobenzene	13.54	95	164161	33.93	ug/l	0.00
Spiked Amount			Recovery	=	67.86%	

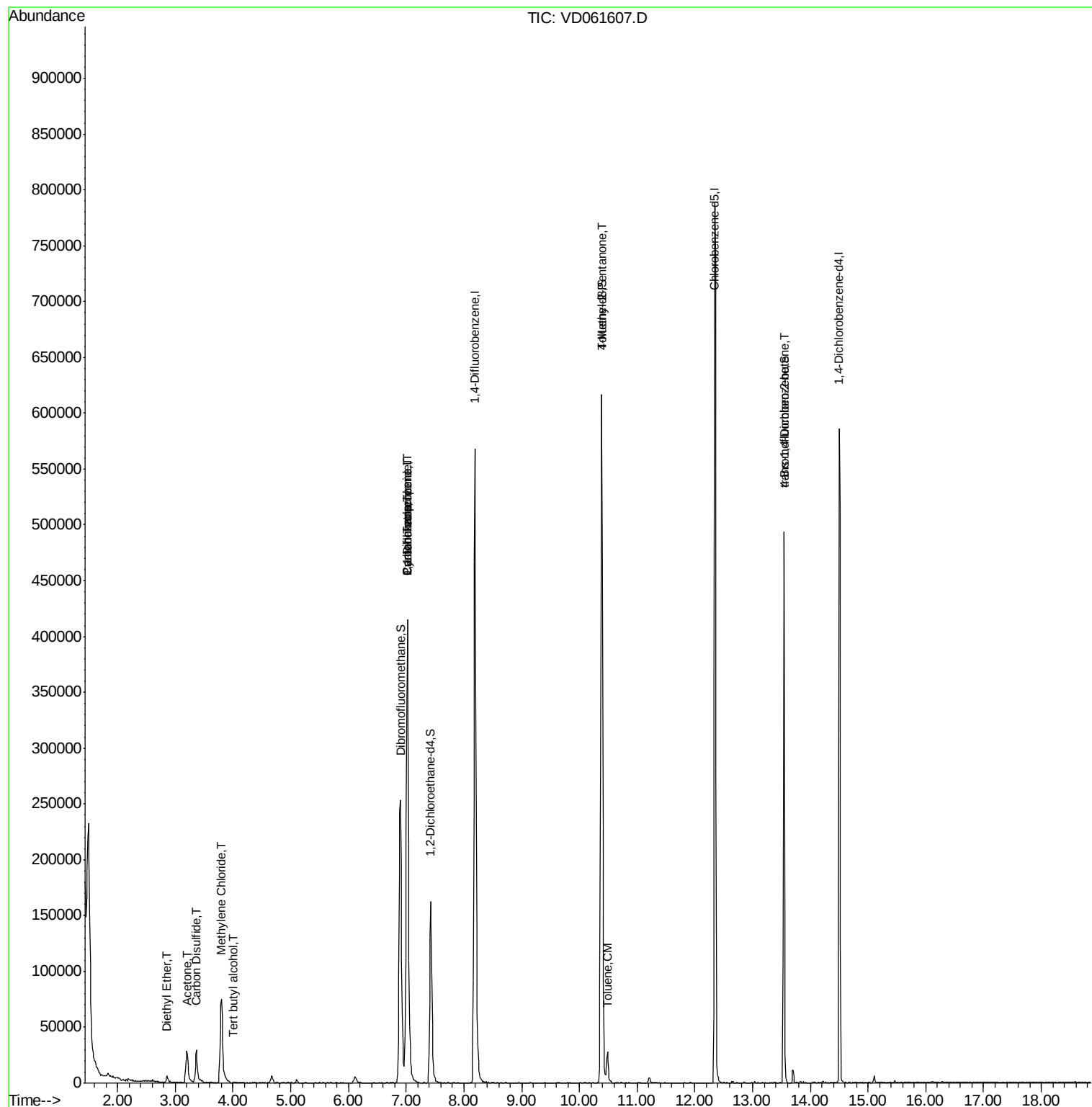
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	2495	1.625	ug/l	88
11) Tert butyl alcohol	4.02	59	435	1.993	ug/l #	76
16) Acetone	3.20	43	58199	64.610	ug/l	96
17) Carbon Disulfide	3.37	76	58174	4.067	ug/l	98
20) Methylene Chloride	3.80	84	59702	10.307	ug/l	97
31) Cyclohexane	7.02	56	6666	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	28841	4.800	ug/l #	47
38) Carbon Tetrachloride	7.02	117	41023	5.942	ug/l #	14
51) 4-Methyl-2-Pentanone	10.38	43	2428	1.067	ug/l #	1
52) Toluene	10.48	92	15952	1.734	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.54	75	63032	96.764	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

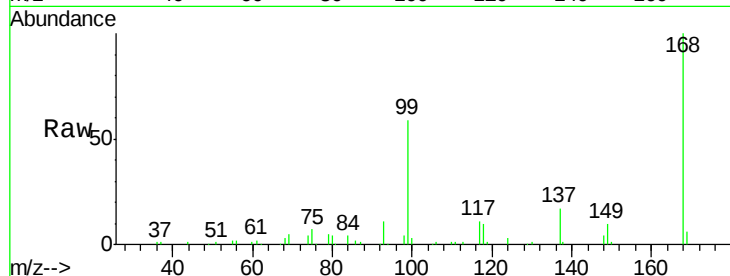
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 410194

Ion Ratio Lower Upper

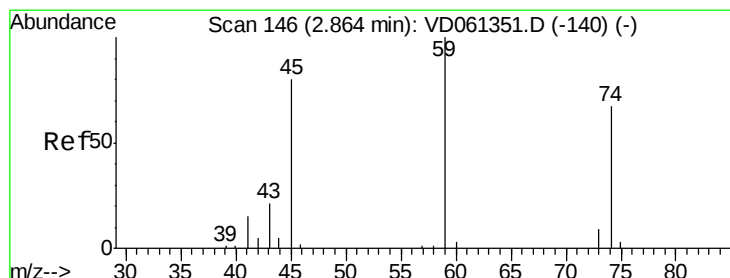
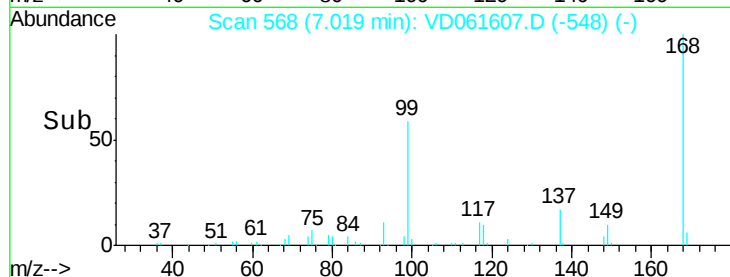
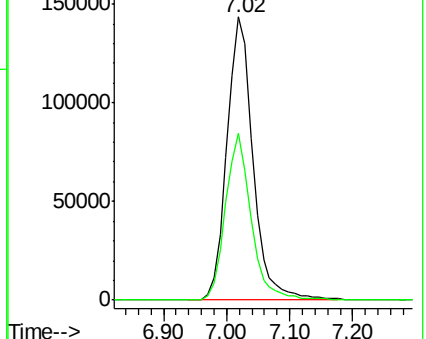
168 100

99 59.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.625 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD061607.D

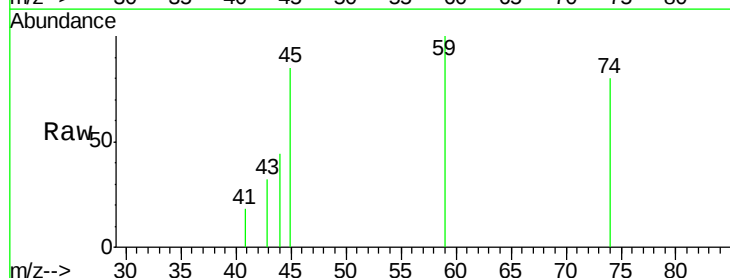
Acq: 5 Apr 2019 6:37

Tgt Ion: 74 Resp: 2495

Ion Ratio Lower Upper

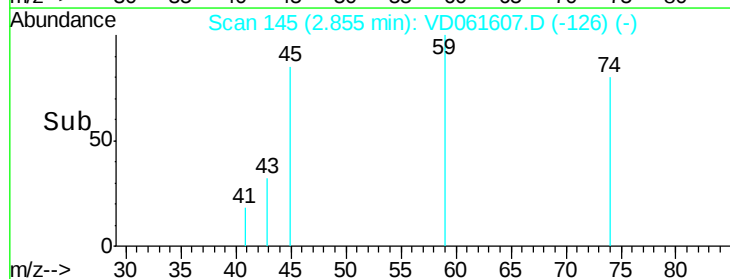
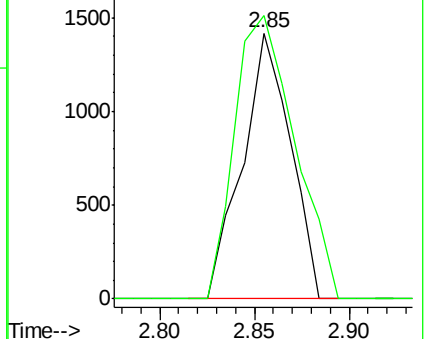
74 100

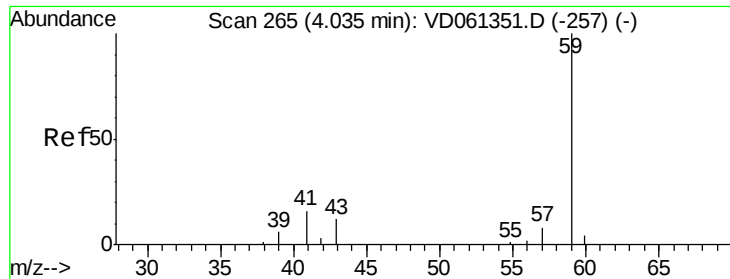
45 106.4 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

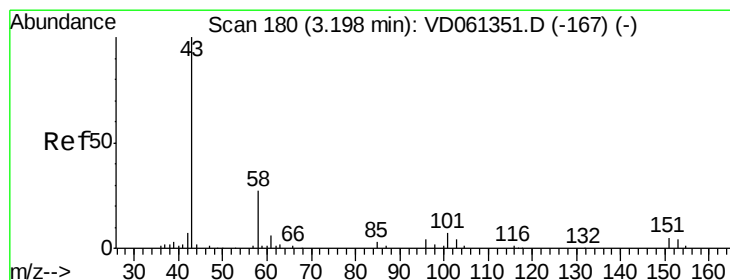
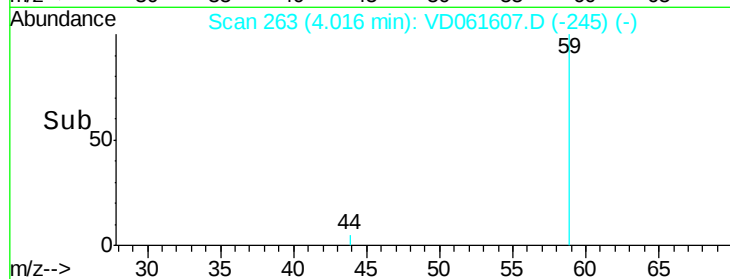
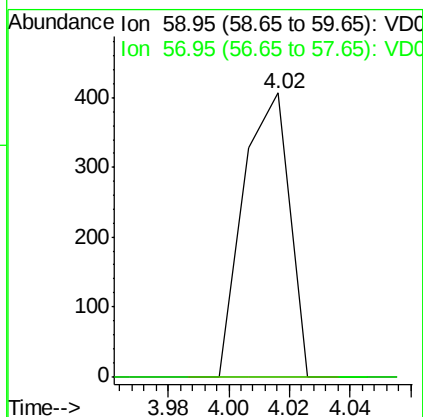
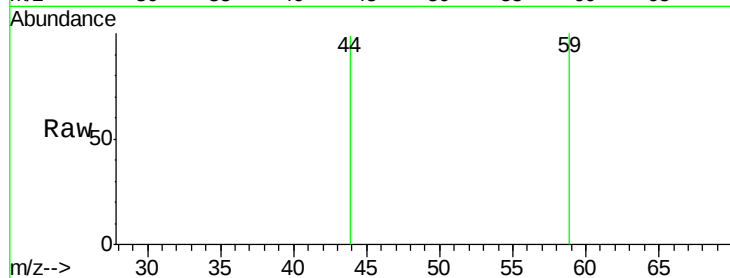




#11
Tert butyl alcohol
Concen: 1.993 ug/l
RT: 4.02 min Scan# 263
Delta R.T. -0.02 min
Lab File: VD061607.D
Acq: 5 Apr 2019 6:37

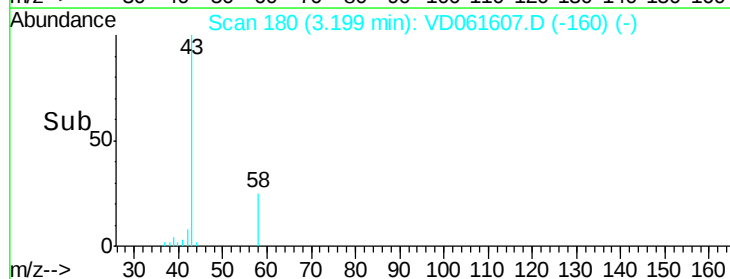
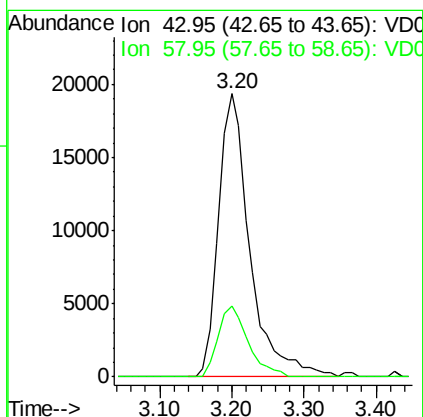
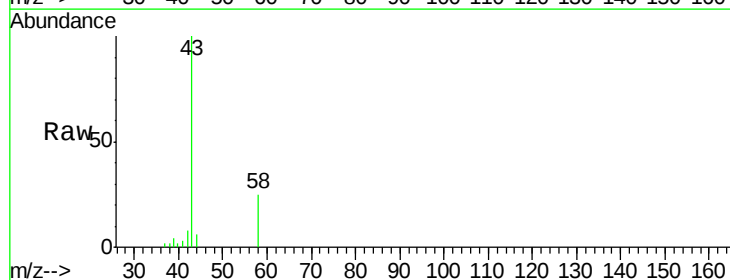
Instrument :
MSVOA_D
ClientSampleId :

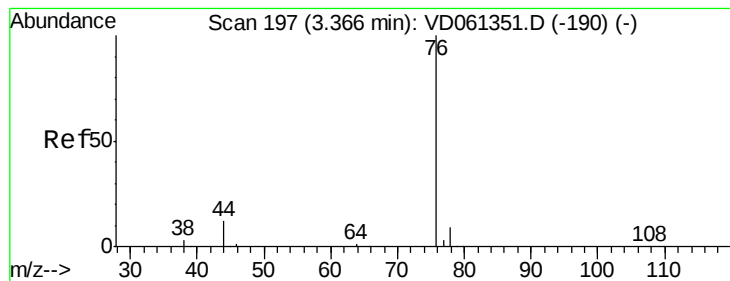
Tot Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



#16
Acetone
Concen: 64.610 ug/l
RT: 3.20 min Scan# 180
Delta R.T. 0.00 min
Lab File: VD061607.D
Acq: 5 Apr 2019 6:37

Tgt Ion: 43 Resp: 58199
Ion Ratio Lower Upper
43 100
58 25.1 21.5 32.3





#17

Carbon Disulfide

Concen: 4.067 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Instrument :

MSVOA_D

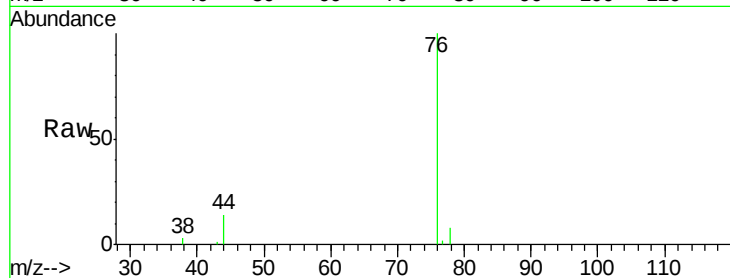
ClientSampleId :

Tot Ion: 76 Resp: 58174

Ion Ratio Lower Upper

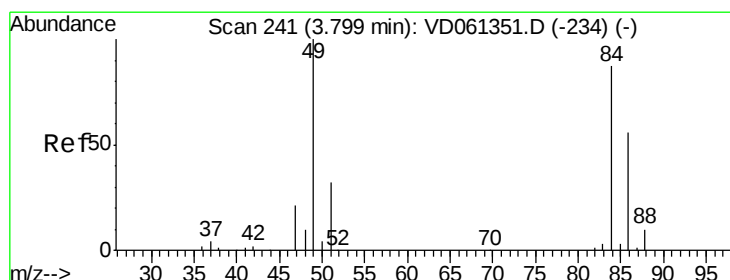
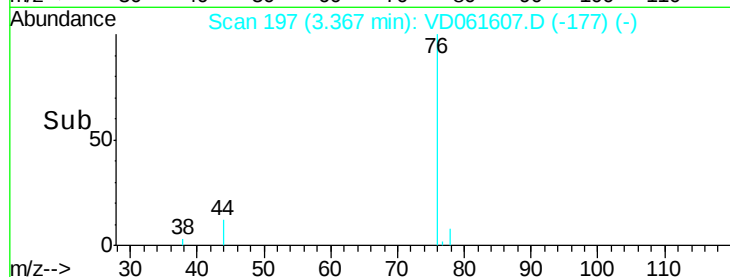
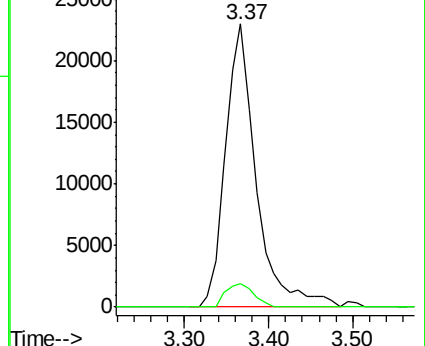
76 100

78 8.3 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 10.307 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Tgt Ion: 84 Resp: 59702

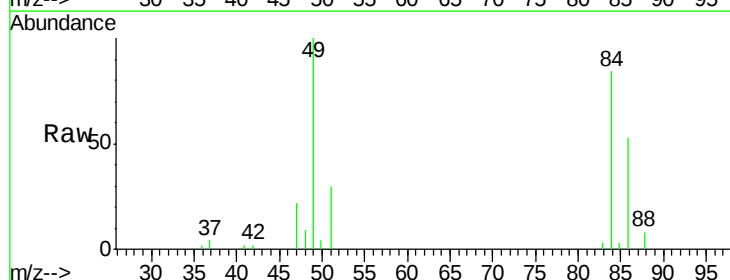
Ion Ratio Lower Upper

84 100

49 118.8 91.8 137.8

51 35.1 29.8 44.8

86 63.2 51.8 77.6

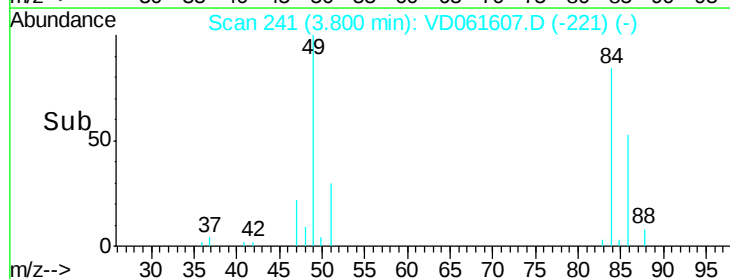
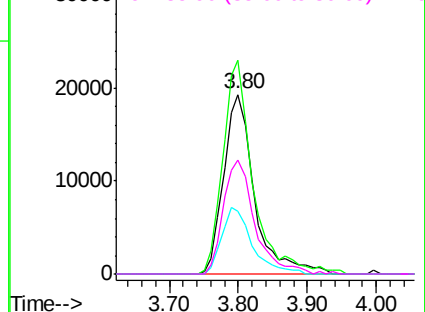


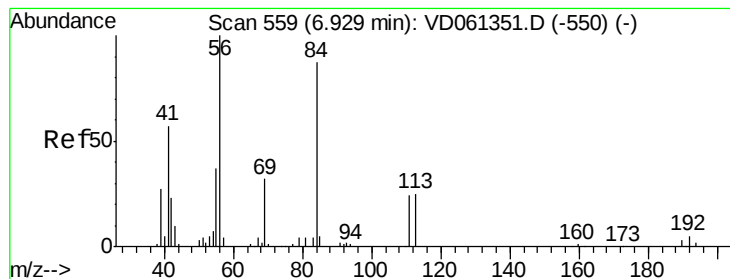
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.09 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Instrument :
MSVOA_D
ClientSampleId :

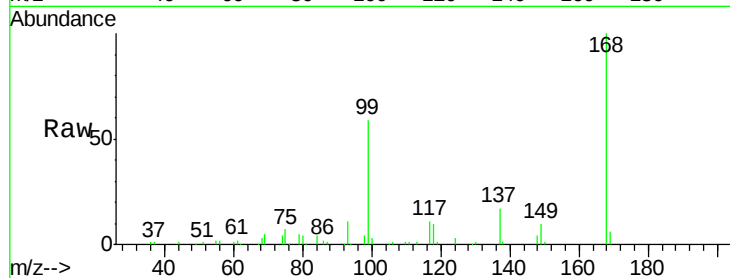
Tot Ion: 56 Resp: 6666

Ion Ratio Lower Upper

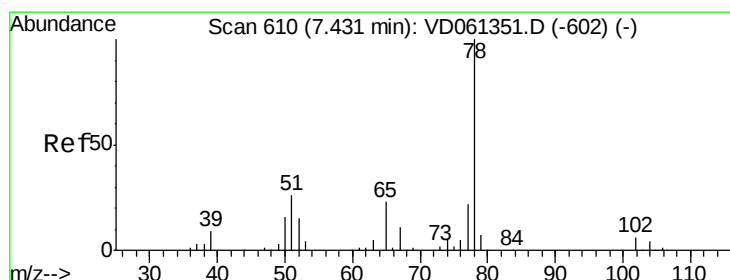
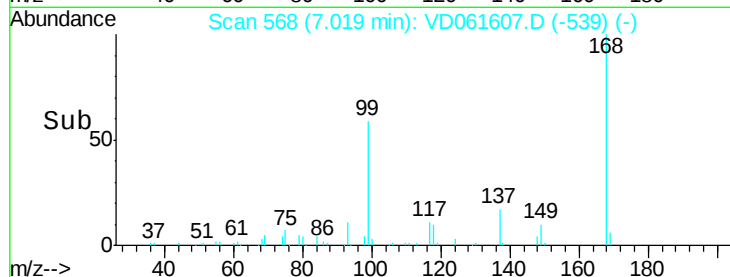
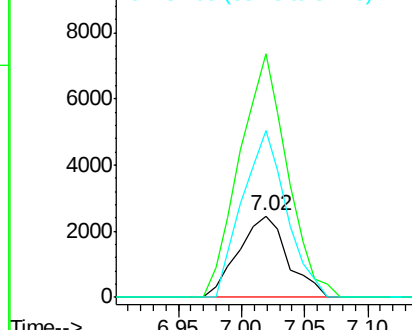
56 100

69 299.1 25.7 38.5#

84 204.5 70.6 105.8#



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: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061607.D

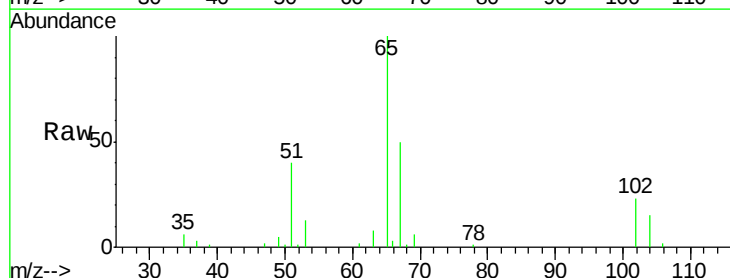
Acq: 5 Apr 2019 6:37

Tgt Ion: 65 Resp: 166385

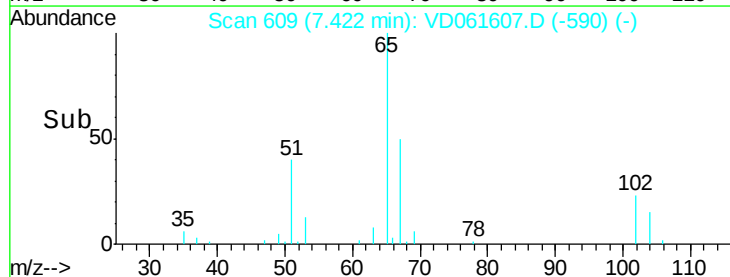
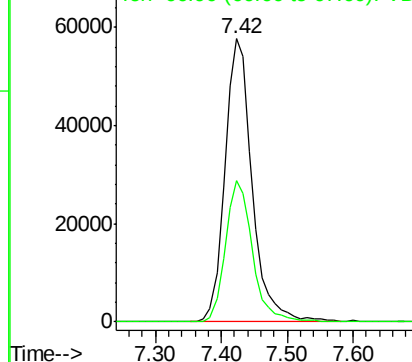
Ion Ratio Lower Upper

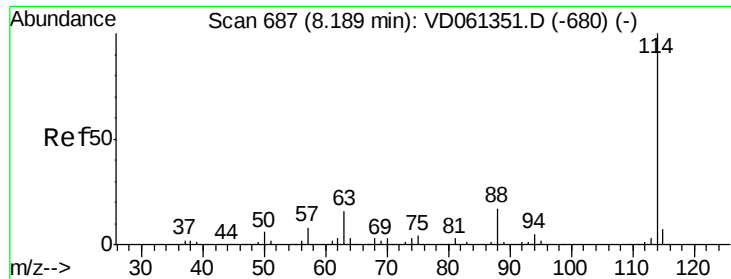
65 100

67 50.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

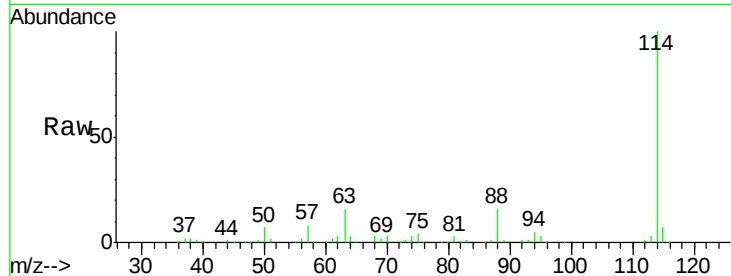




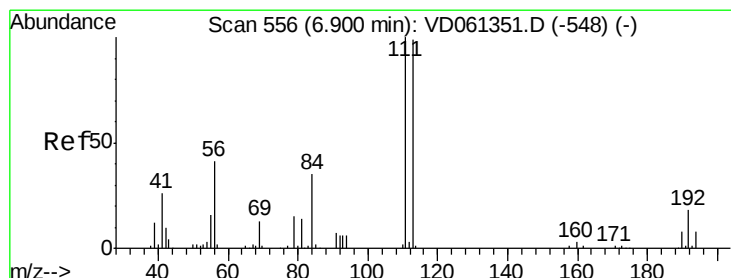
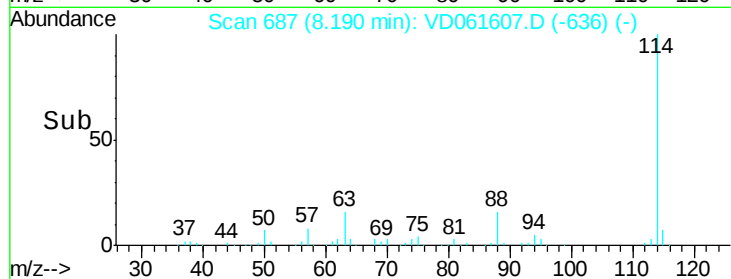
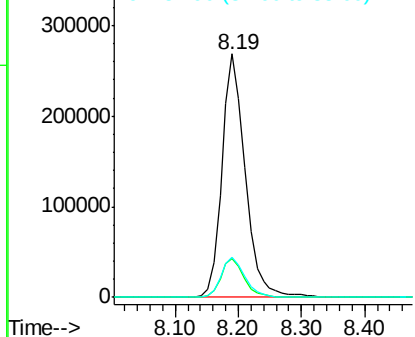
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061607.D
 Acq: 5 Apr 2019 6:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 688377
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.4 0.0 33.4

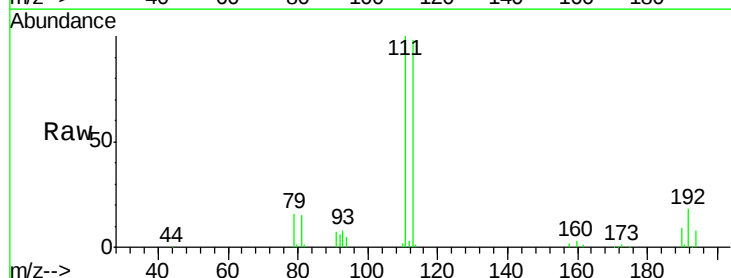


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

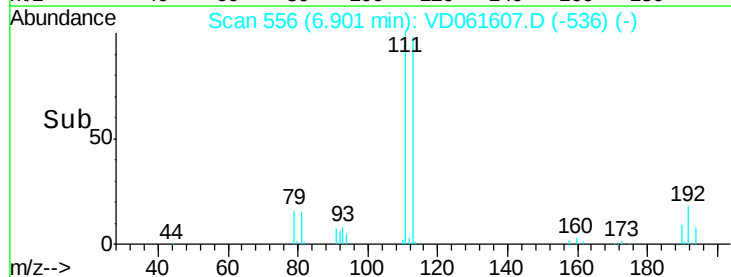
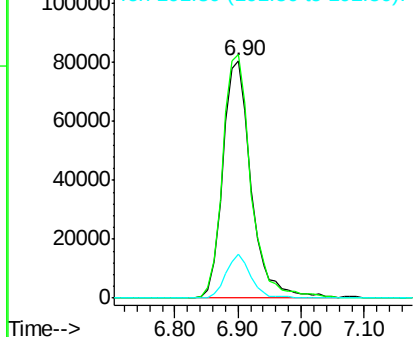


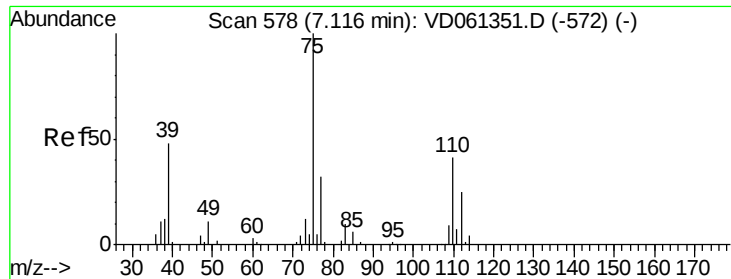
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD061607.D
 Acq: 5 Apr 2019 6:37

Tgt Ion:113 Resp: 250623
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.6
 192 18.6 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

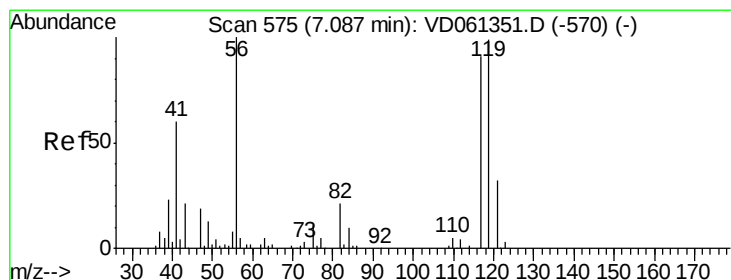
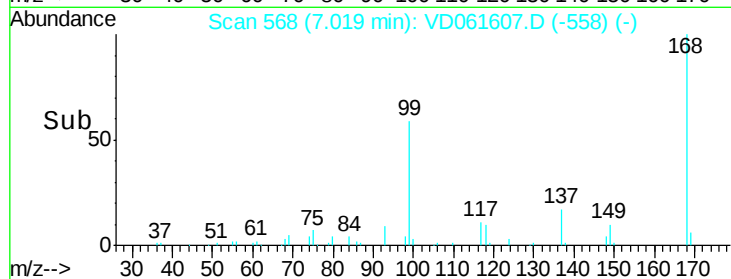
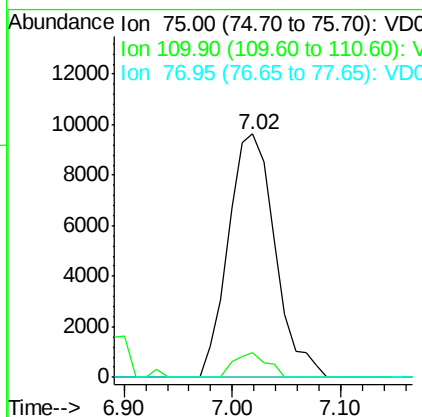
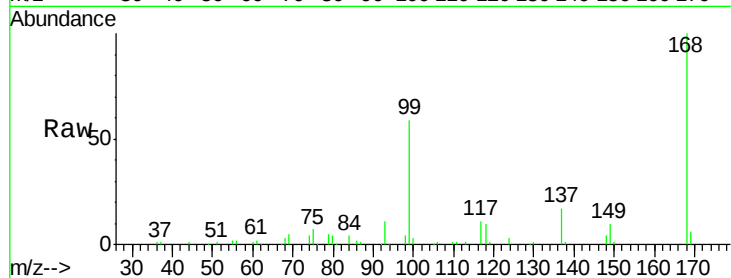




#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061607.D
 Acq: 5 Apr 2019 6:37

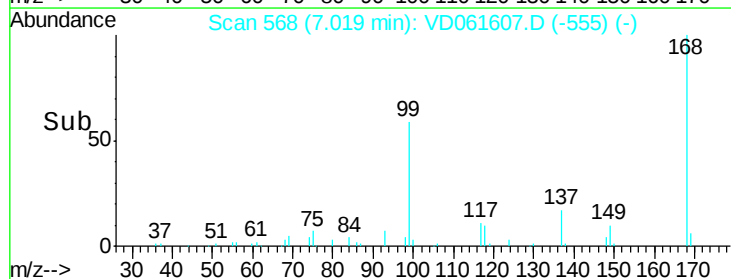
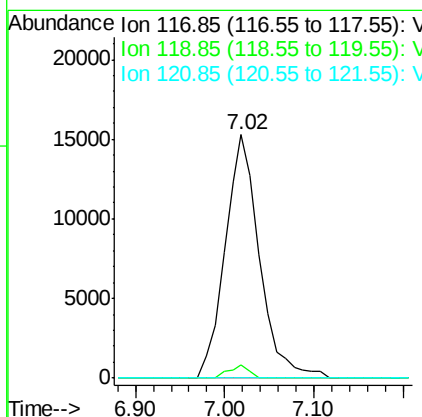
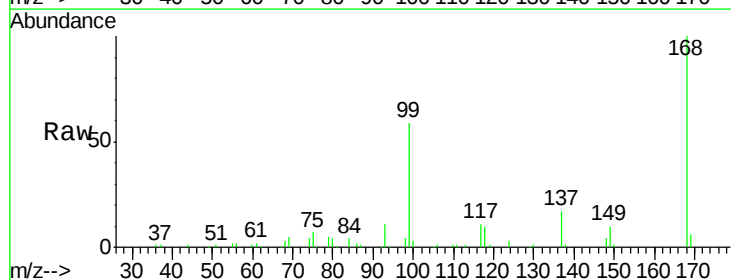
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 ClientSampleId :

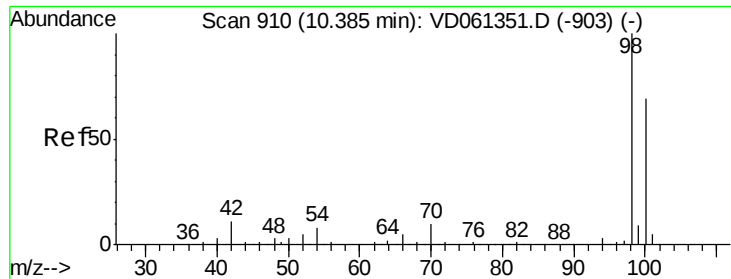
Tot Ion: 75 Resp: 28841
 Ion Ratio Lower Upper
 75 100
 110 10.0 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.942 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD061607.D
 Acq: 5 Apr 2019 6:37

Tgt Ion: 117 Resp: 41023
 Ion Ratio Lower Upper
 117 100
 119 5.2 80.1 120.1#
 121 0.0 25.6 38.4#

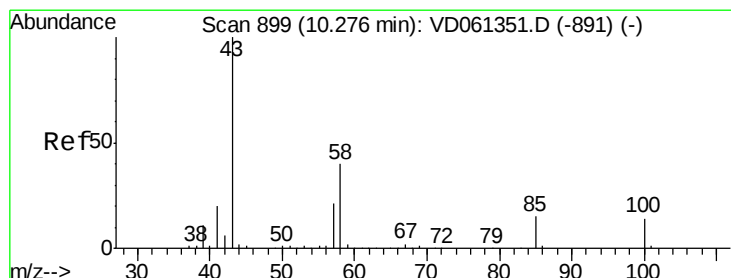
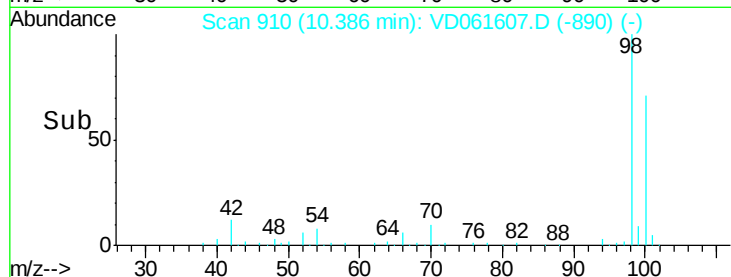
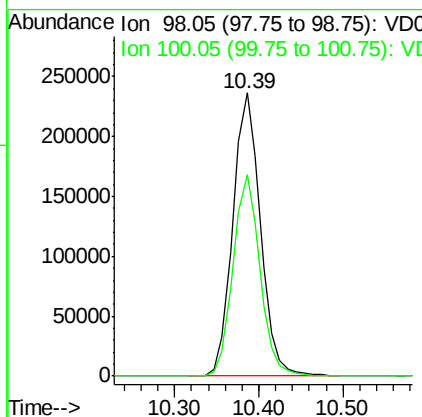
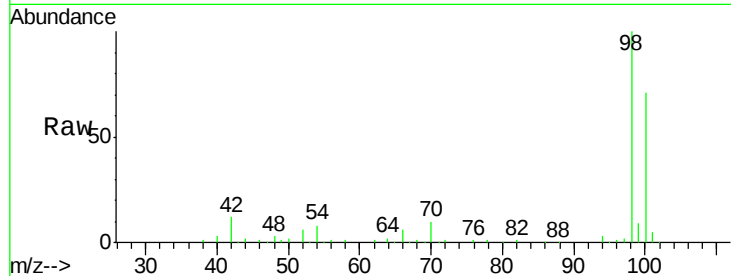




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061607.D
Acq: 5 Apr 2019 6:37

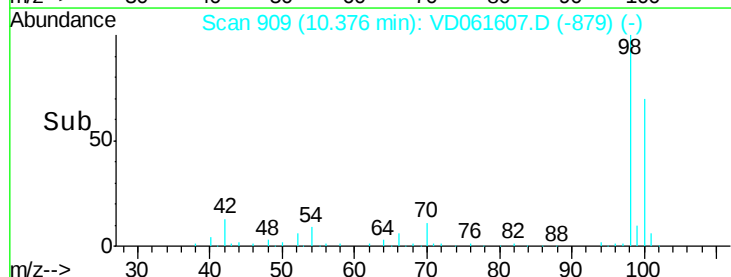
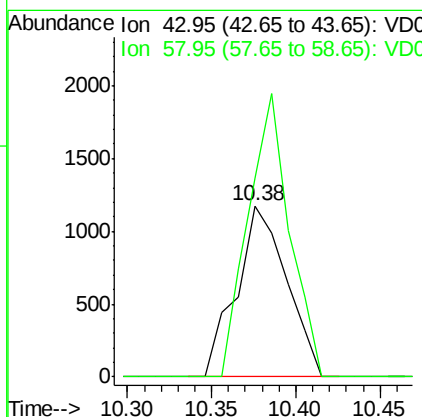
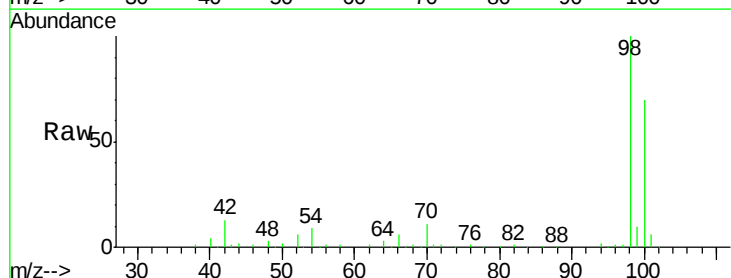
Instrument :
MSVOA_D
ClientSampleId :

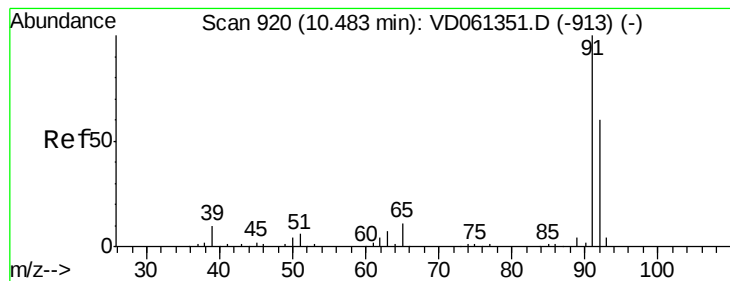
Tot Ion: 98 Resp: 538507
Ion Ratio Lower Upper
98 100
100 71.0 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 1.067 ug/l
RT: 10.38 min Scan# 909
Delta R.T. 0.10 min
Lab File: VD061607.D
Acq: 5 Apr 2019 6:37

Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
58 116.1 31.8 47.8#





#52

Toluene

Concen: 1.734 ug/l

RT: 10.48 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Instrument :

MSVOA_D

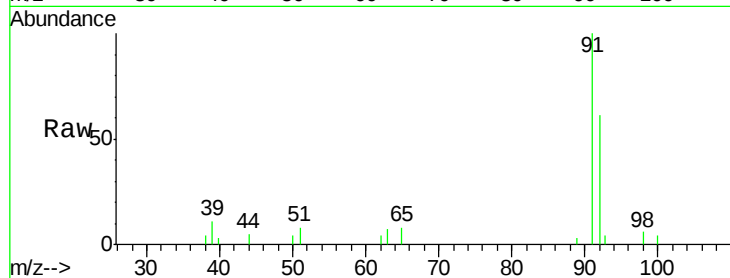
ClientSampled :

Tot Ion: 92 Resp: 15952

Ion Ratio Lower Upper

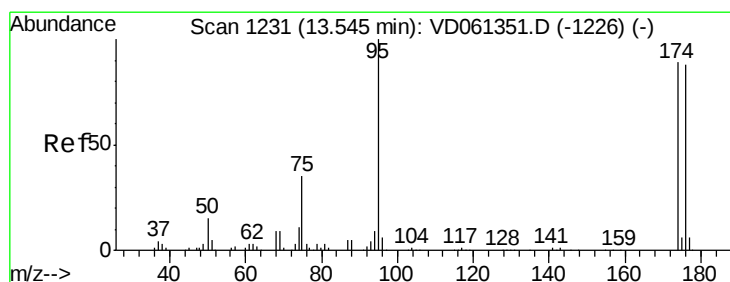
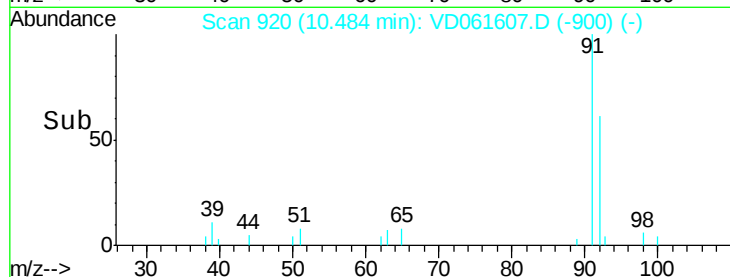
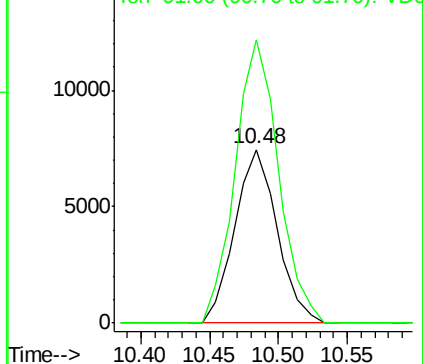
92 100

91 163.0 133.3 199.9



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# 1230

Delta R.T. -0.01 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

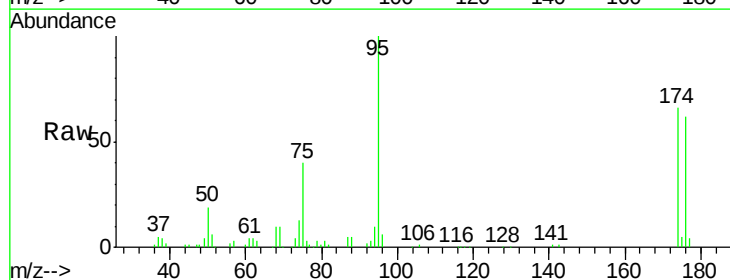
Tgt Ion: 95 Resp: 164161

Ion Ratio Lower Upper

95 100

174 66.2 0.0 178.0

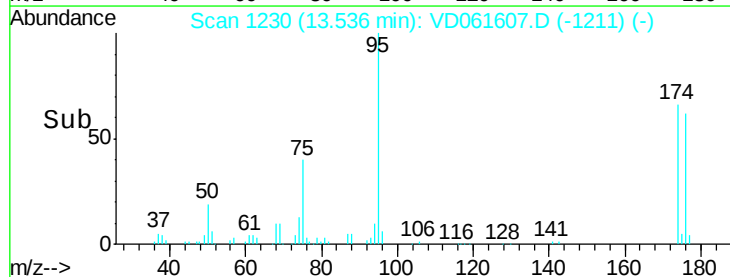
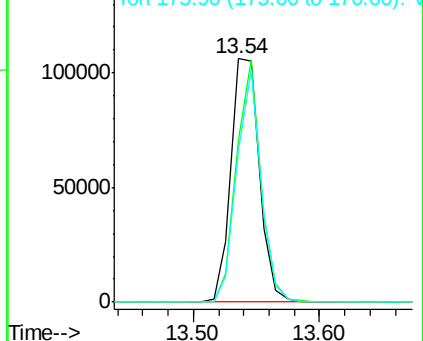
176 62.3 0.0 175.0

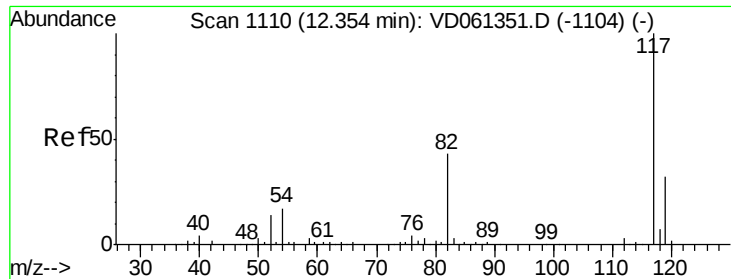


Abundance Ion 95.00 (94.70 to 95.70): VDC

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. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Instrument :

MSVOA_D

ClientSampleId :

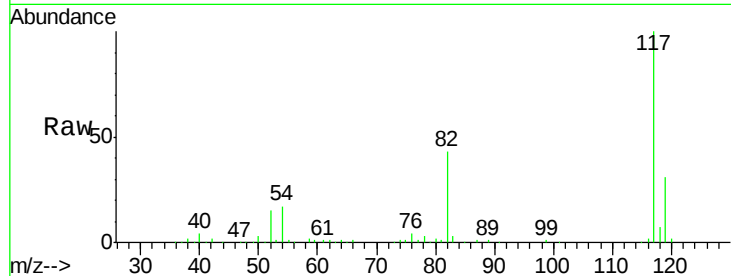
Tot Ion:117 Resp: 514066

Ion Ratio Lower Upper

117 100

82 42.6 34.4 51.6

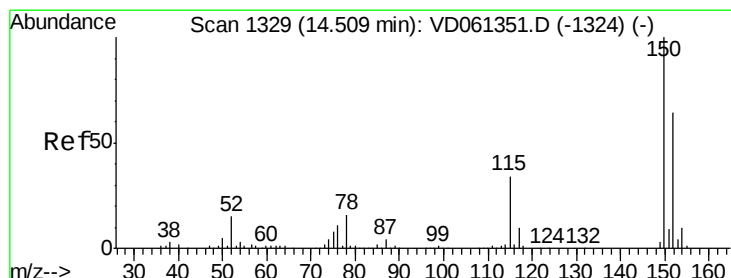
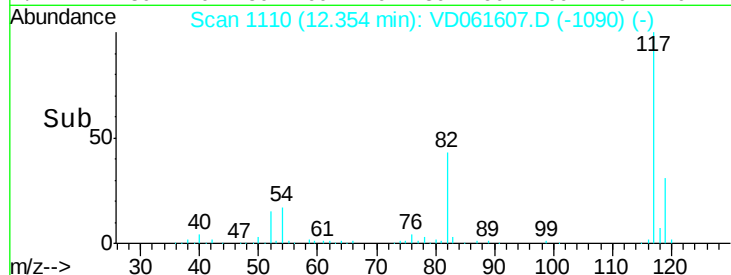
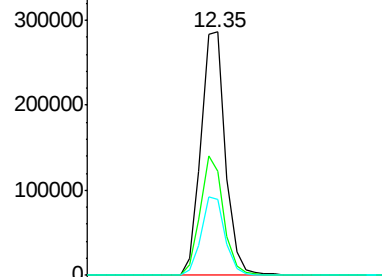
119 31.2 25.8 38.6



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# 1329

Delta R.T. 0.00 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

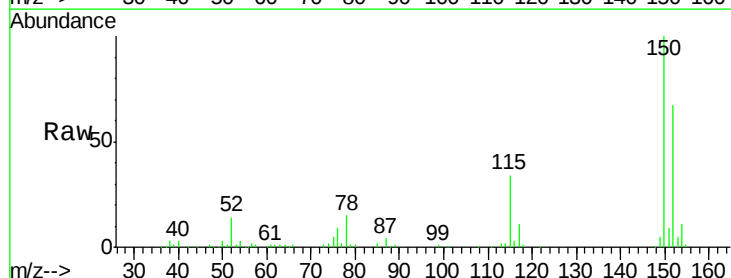
Tgt Ion:152 Resp: 147899

Ion Ratio Lower Upper

152 100

115 50.7 26.9 80.6

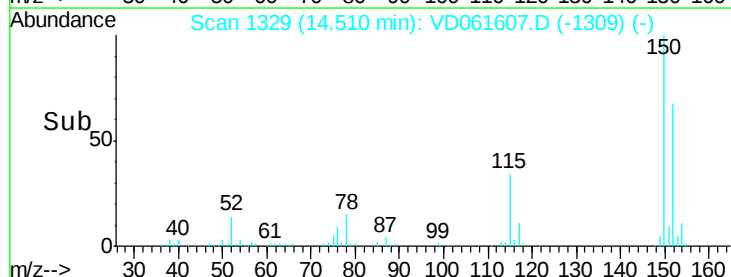
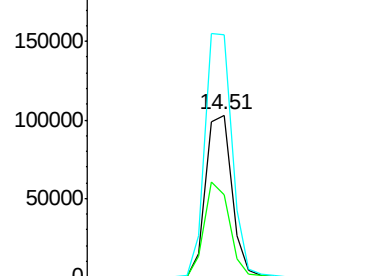
150 150.0 0.0 318.0

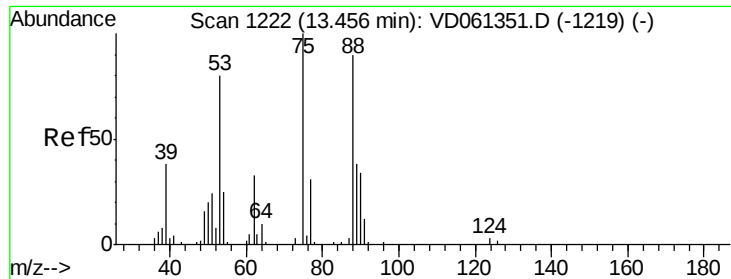


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.764 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061607.D

Acq: 5 Apr 2019 6:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 63032

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

