

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061663.D
 Acq On : 8 Apr 2019 21:16
 Operator : VA/AP
 Sample : K2317-14
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:23:28 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	7.06	168	393830	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	645217	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	527588	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	218804	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	166664	55.83	ug/l	0.01
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	6.93	113	191032	42.74	ug/l	0.01
Spiked Amount			Recovery	=	85.48%	
50) Toluene-d8	10.42	98	504493	44.92	ug/l	0.01
Spiked Amount			Recovery	=	89.84%	
62) 4-Bromofluorobenzene	13.56	95	187648	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	

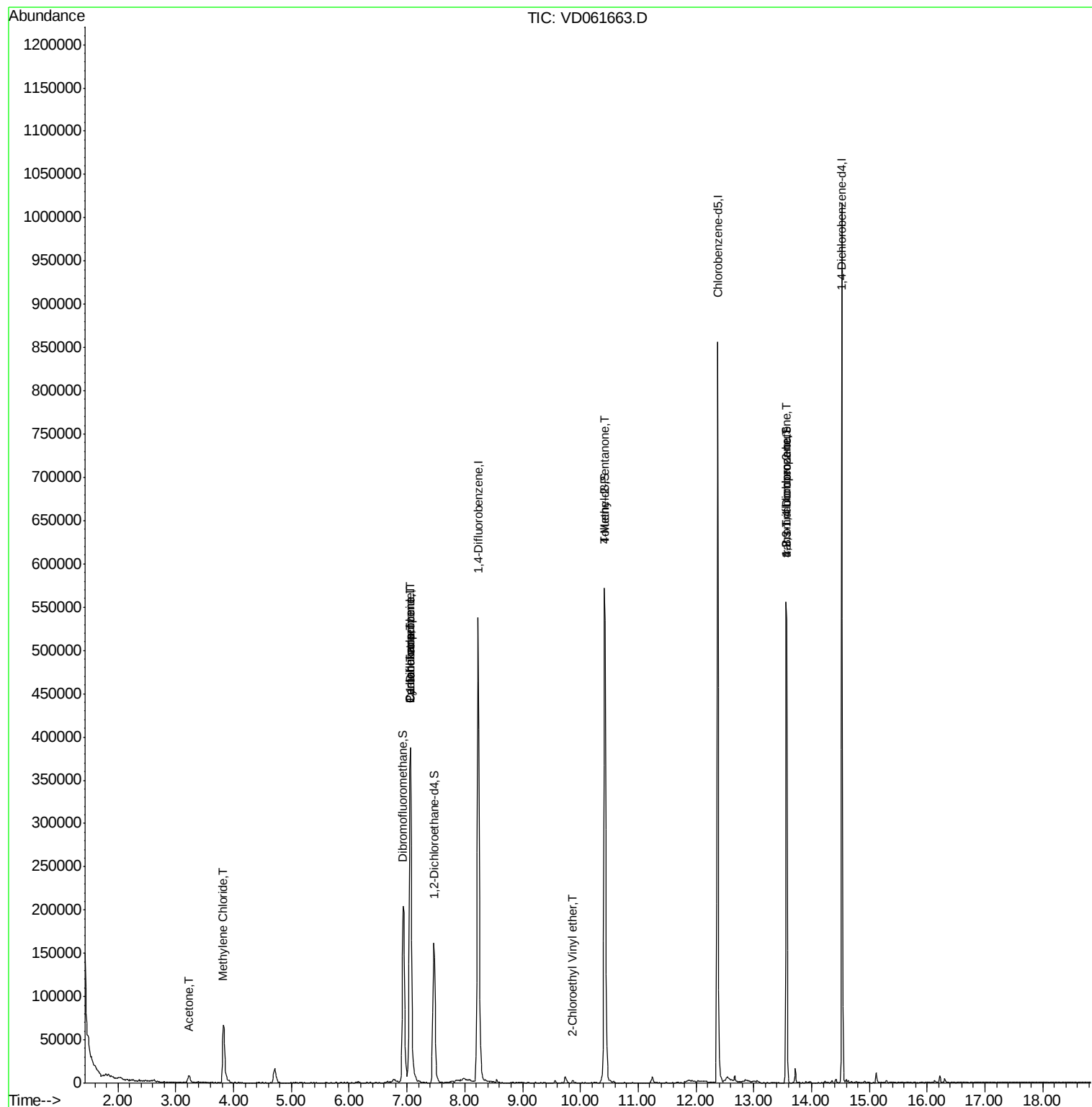
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	16938	18.981	ug/l	96
20) Methylene Chloride	3.82	84	50286	9.930	ug/l	93
31) Cyclohexane	7.06	56	6924	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	26419	4.679	ug/l #	46
38) Carbon Tetrachloride	7.06	117	36998	5.590	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	2564	1.299	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.87	63	1690	1.183	ug/l #	46
76) 1,2,3-Trichloropropane	13.56	75	61726	20.735	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	71771	79.451	ug/l #	20

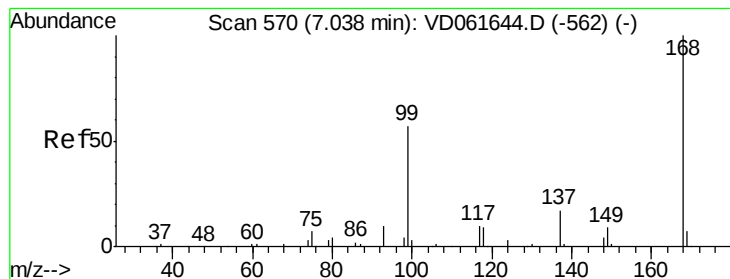
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

Instrument :

MSVOA_D

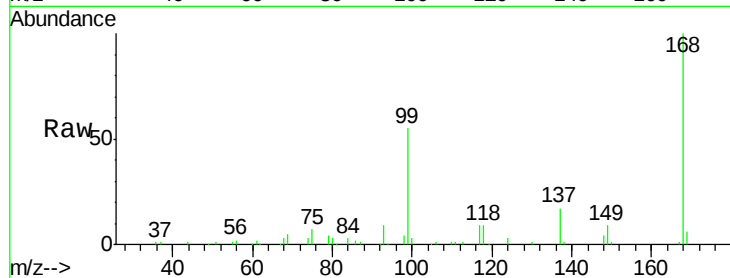
ClientSampleId :

Tot Ion:168 Resp: 393830

Ion Ratio Lower Upper

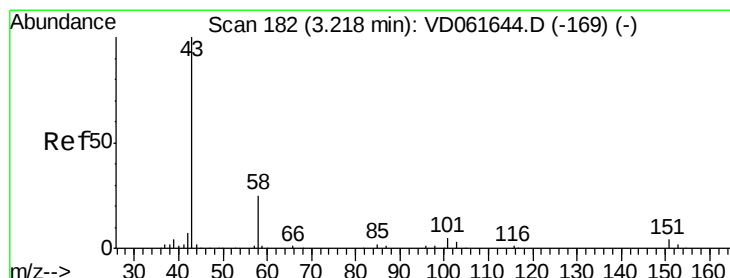
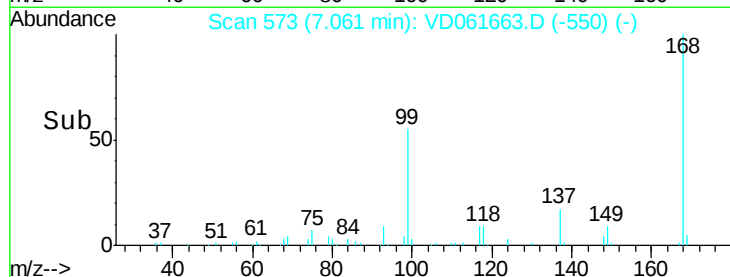
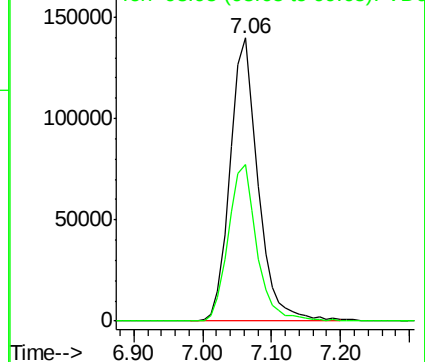
168 100

99 55.3 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: 18.981 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061663.D

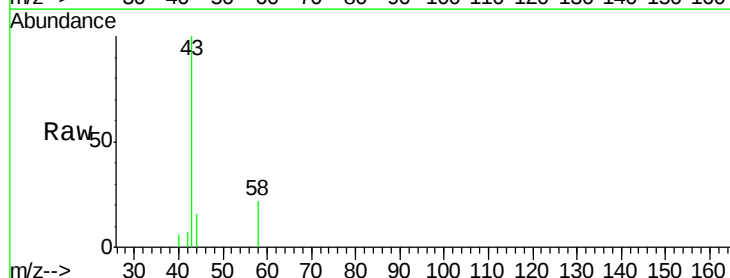
Acq: 8 Apr 2019 21:16

Tgt Ion: 43 Resp: 16938

Ion Ratio Lower Upper

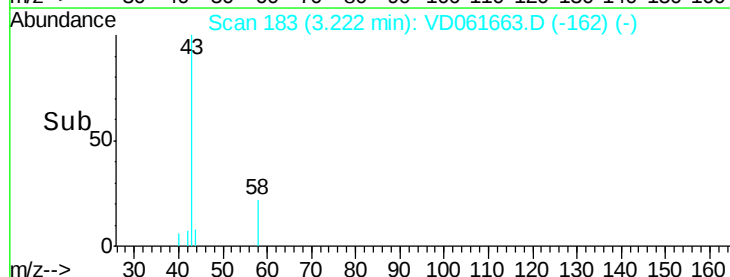
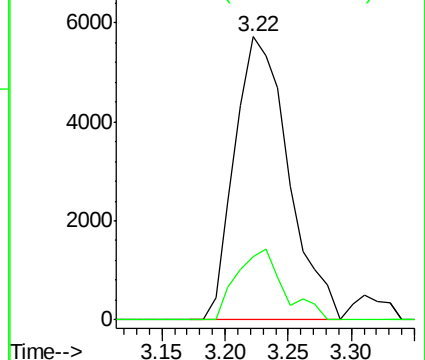
43 100

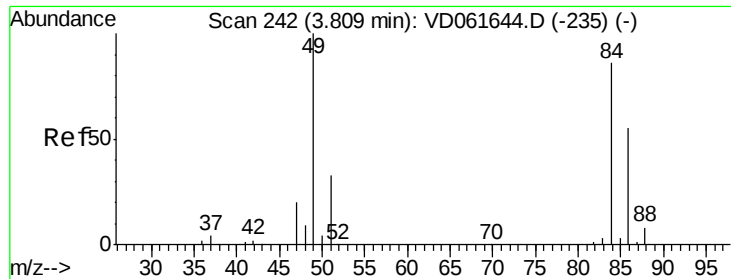
58 22.5 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

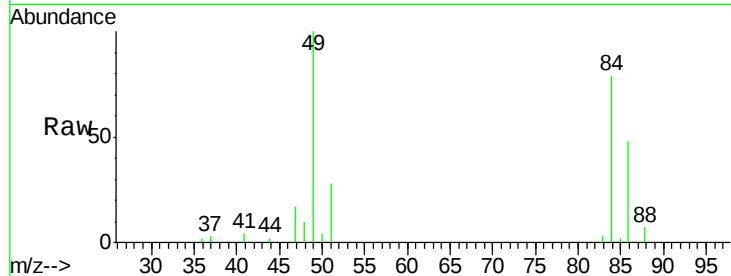




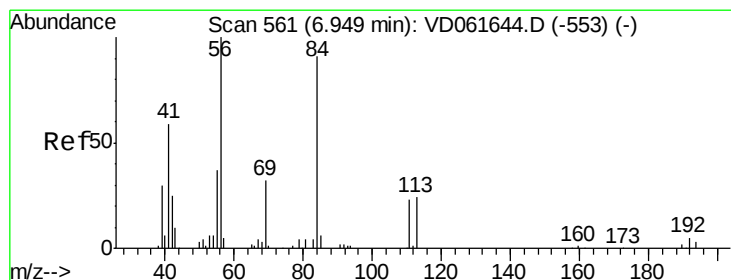
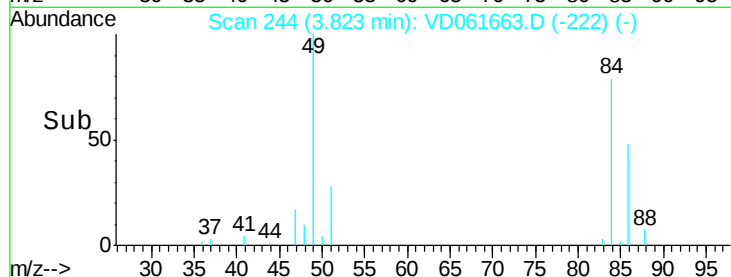
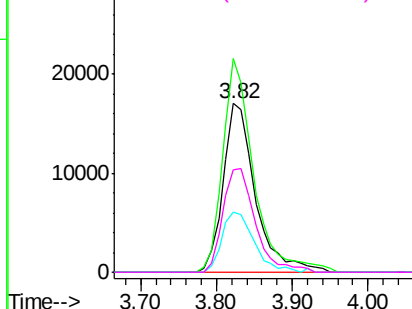
#20
Methvlene Chloride
Concen: 9.930 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061663.D
Acq: 8 Apr 2019 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 50286
Ion Ratio Lower Upper
84 100
49 126.7 93.0 139.4
51 35.9 30.4 45.6
86 61.1 51.0 76.4

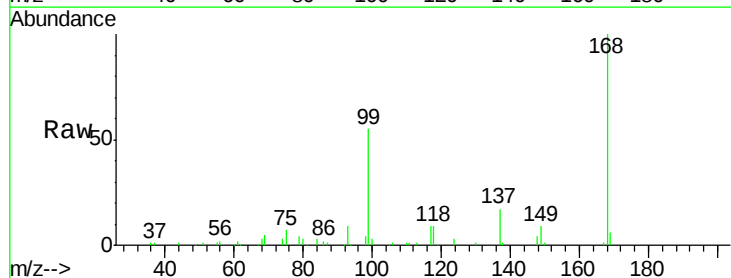


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

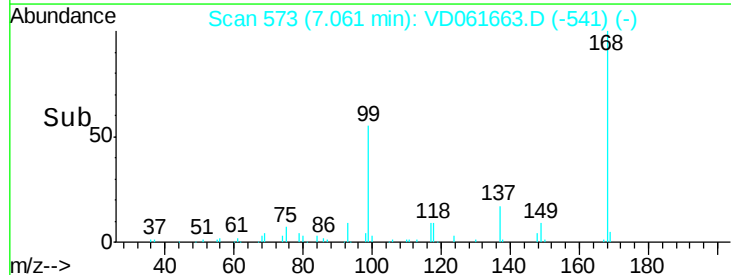
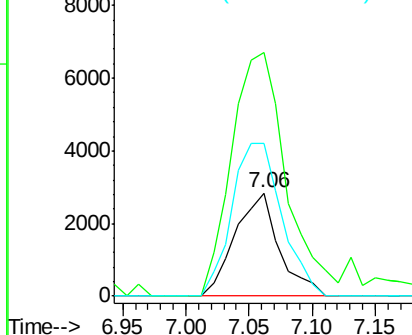


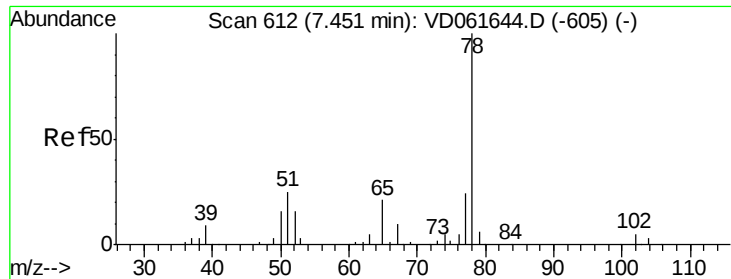
#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061663.D
Acq: 8 Apr 2019 21:16

Tgt Ion: 56 Resp: 6924
Ion Ratio Lower Upper
56 100
69 235.7 25.8 38.6#
84 147.9 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

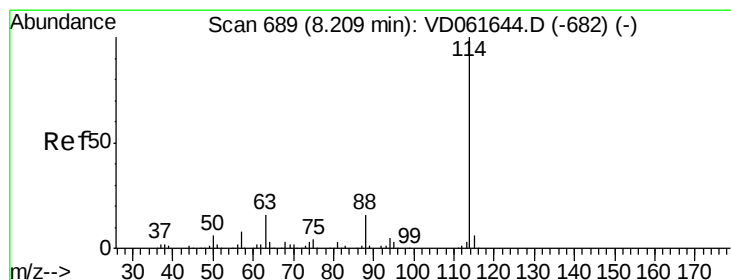
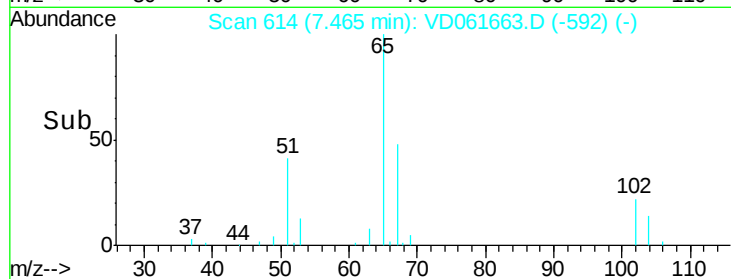
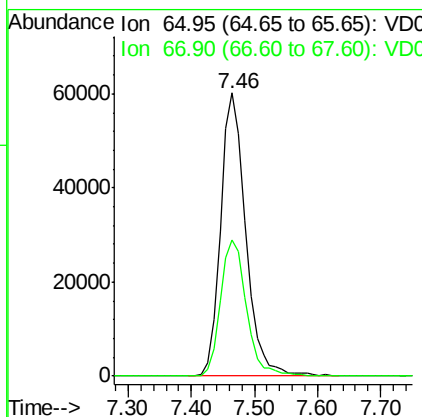
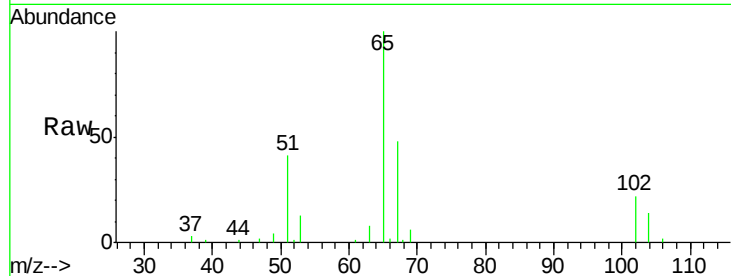




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061663.D
 Acq: 8 Apr 2019 21:16

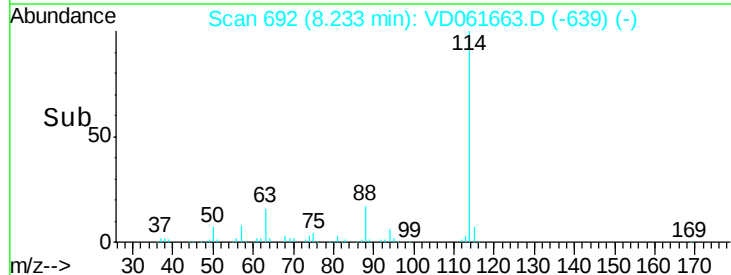
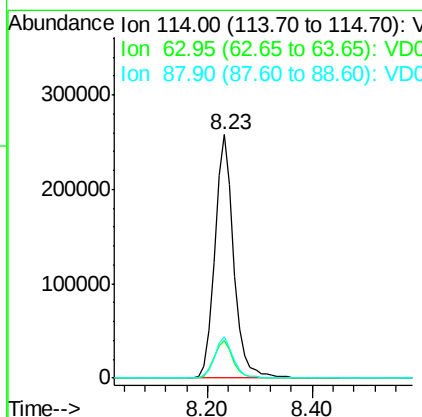
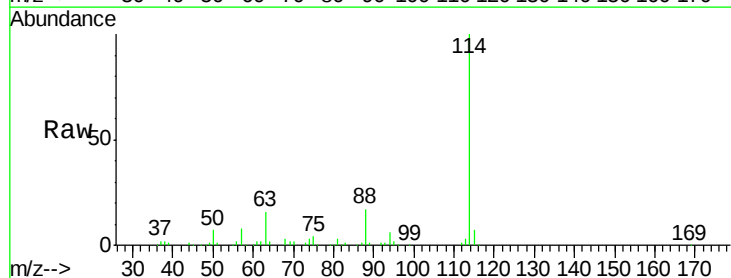
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 166664
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061663.D
 Acq: 8 Apr 2019 21:16

Tgt Ion: 114 Resp: 645217
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.8 0.0 31.8

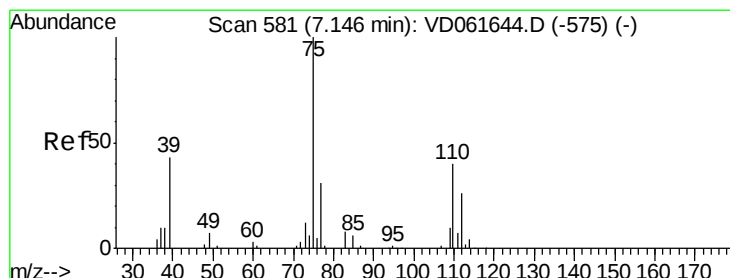
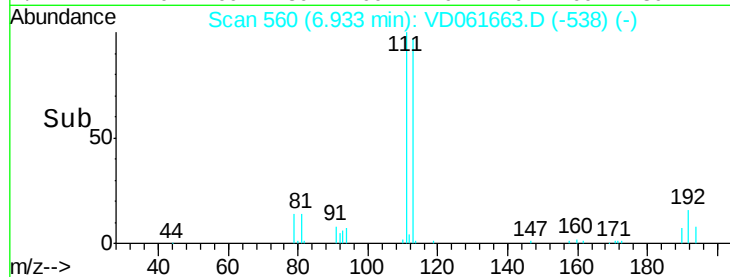
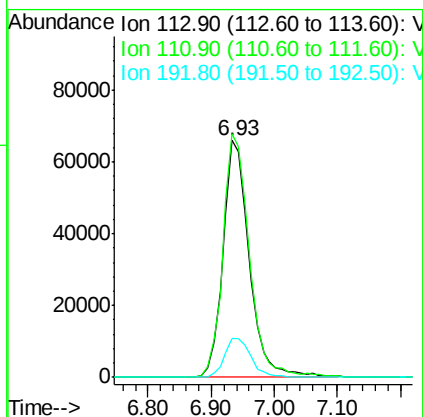
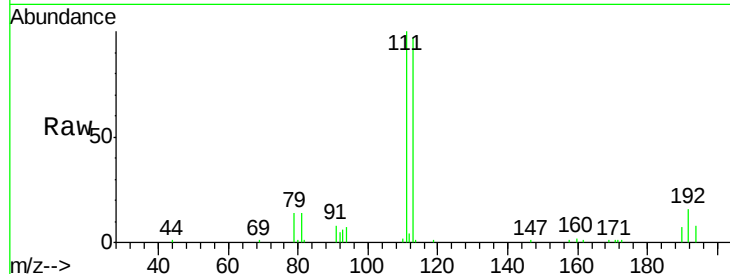




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061663.D
 Acq: 8 Apr 2019 21:16

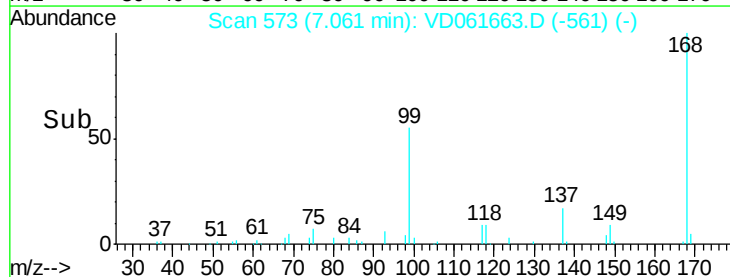
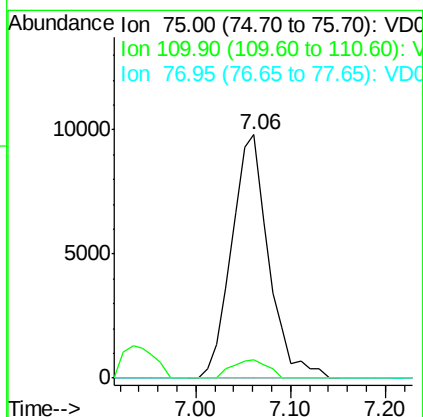
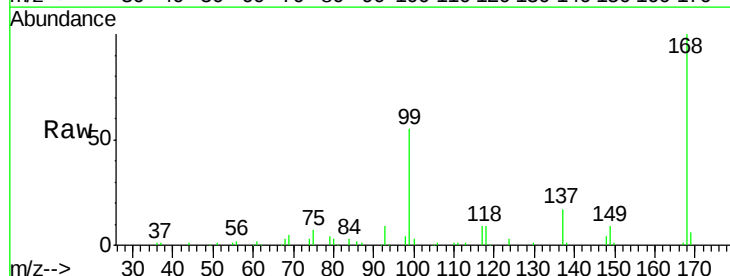
Instrument :
 MSVOA_D
 ClientSampleId :

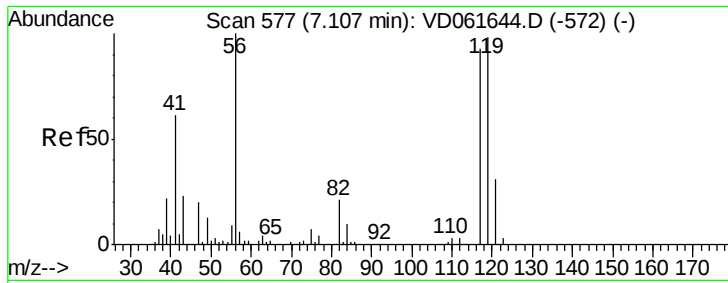
Tot Ion:113 Resp: 191032
 Ion Ratio Lower Upper
 113 100
 111 102.7 79.3 118.9
 192 16.6 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061663.D
 Acq: 8 Apr 2019 21:16

Tgt Ion: 75 Resp: 26419
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.7 59.0#
 77 0.0 24.8 37.2#

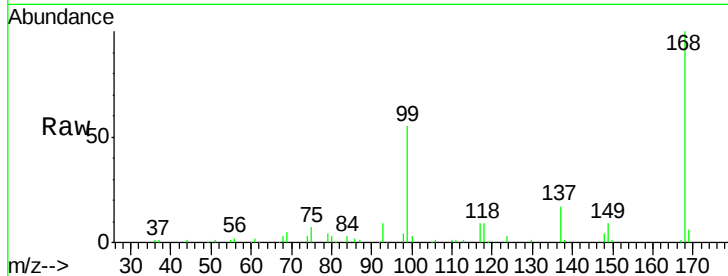




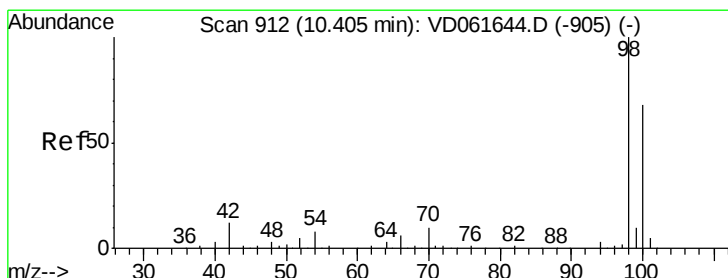
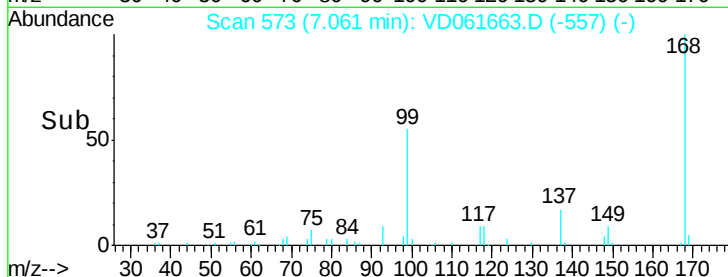
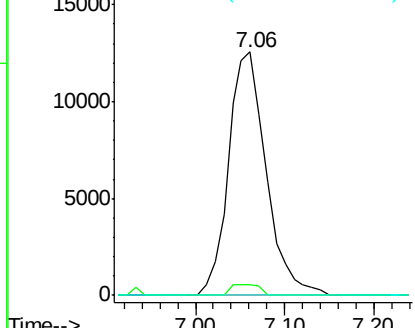
#38
Carbon Tetrachloride
Concen: 5.590 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD061663.D
Acq: 8 Apr 2019 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 36998
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.7 37.1#

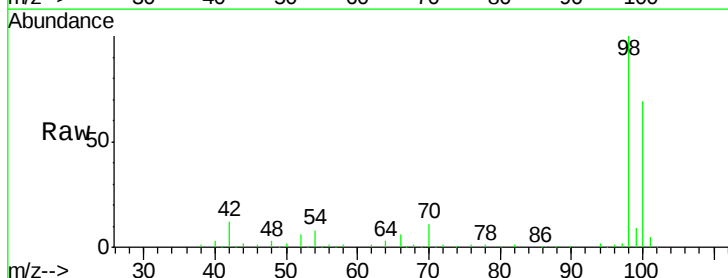


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

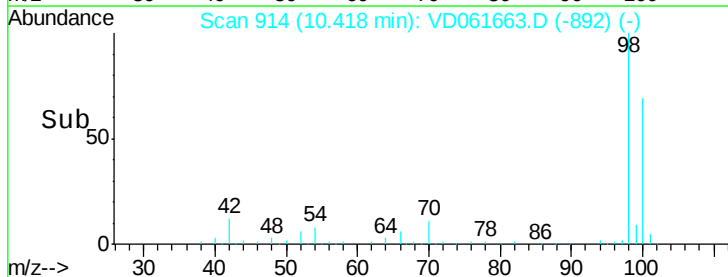
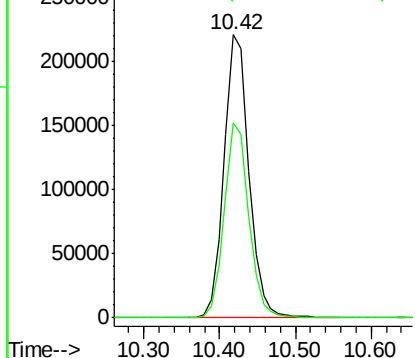


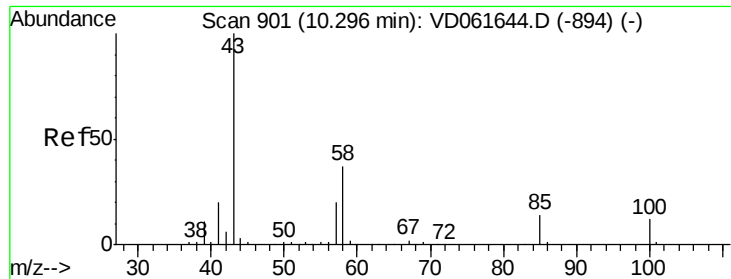
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061663.D
Acq: 8 Apr 2019 21:16

Tgt Ion: 98 Resp: 504493
Ion Ratio Lower Upper
98 100
100 69.1 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: 1.299 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.13 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

Instrument :

MSVOA_D

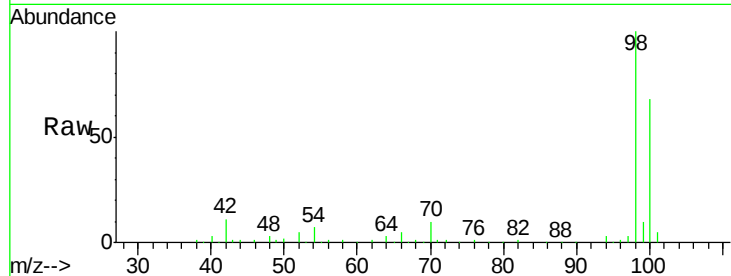
ClientSampled :

Tot Ion: 43 Resp: 2564

Ion Ratio Lower Upper

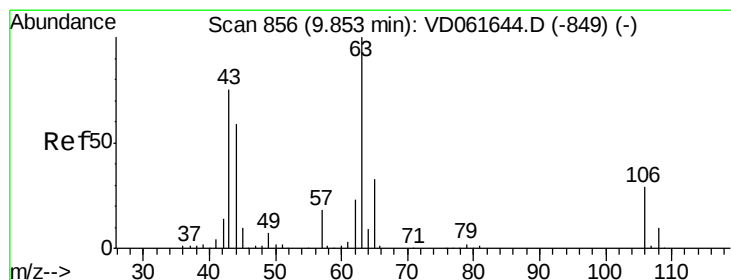
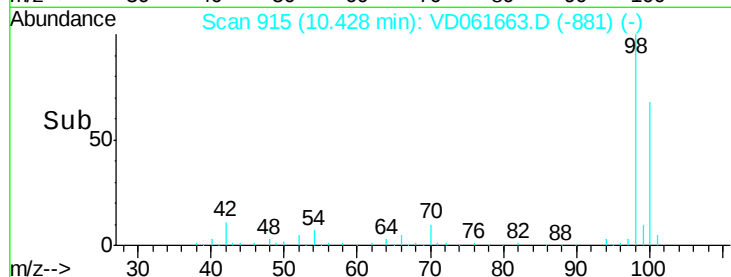
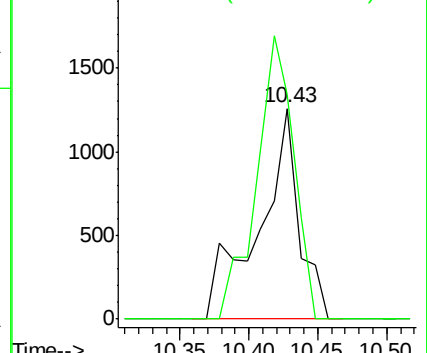
43 100

58 106.9 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.183 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD061663.D

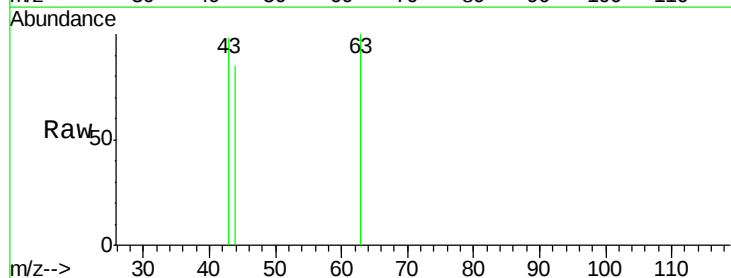
Acq: 8 Apr 2019 21:16

Tgt Ion: 63 Resp: 1690

Ion Ratio Lower Upper

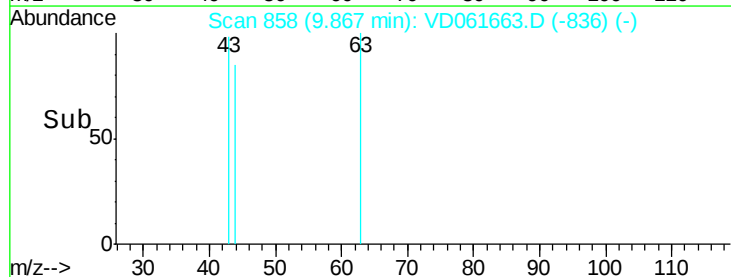
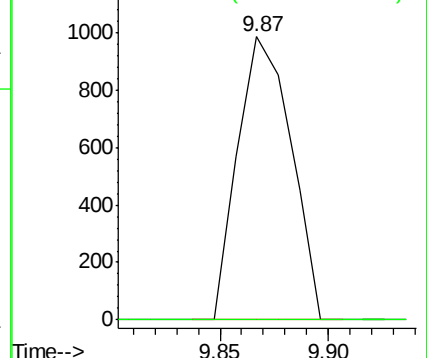
63 100

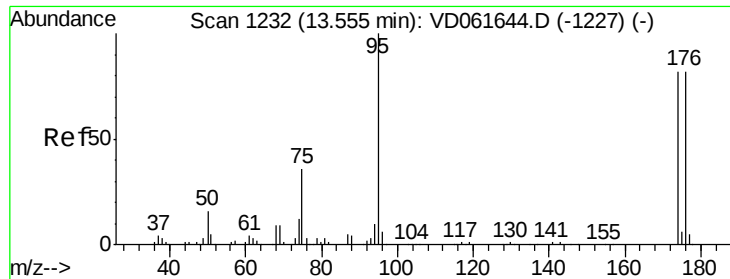
106 0.0 23.0 34.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

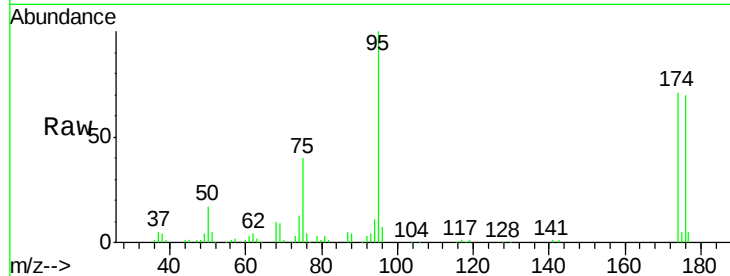
Tot Ion: 95 Resp: 187648

Ion Ratio Lower Upper

95 100

174 71.0 0.0 164.6

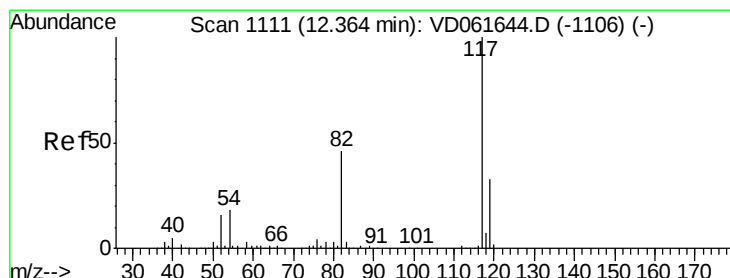
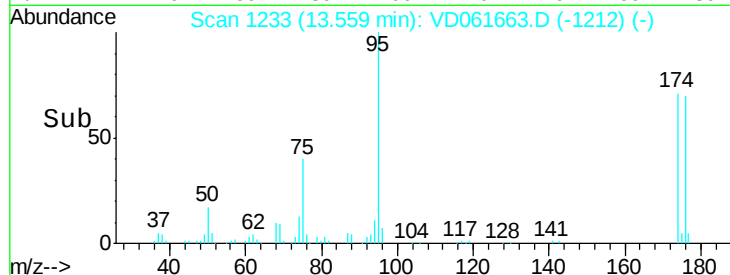
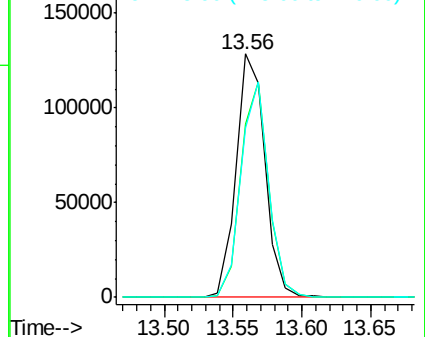
176 69.8 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

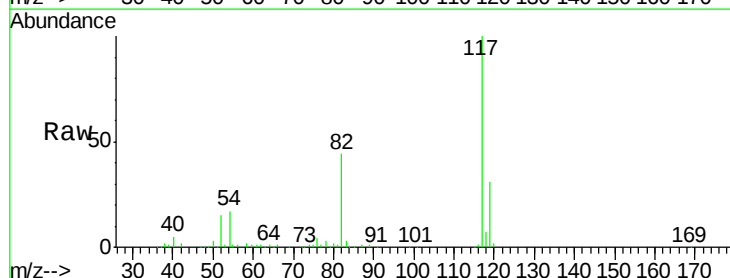
Tgt Ion: 117 Resp: 527588

Ion Ratio Lower Upper

117 100

82 43.9 36.8 55.2

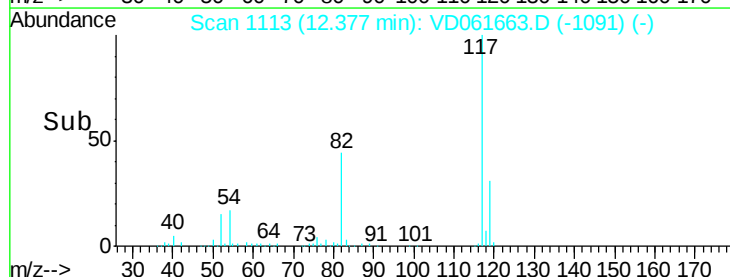
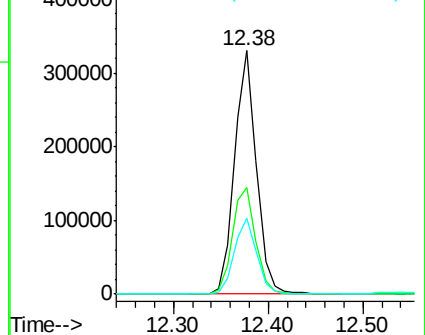
119 31.4 26.1 39.1

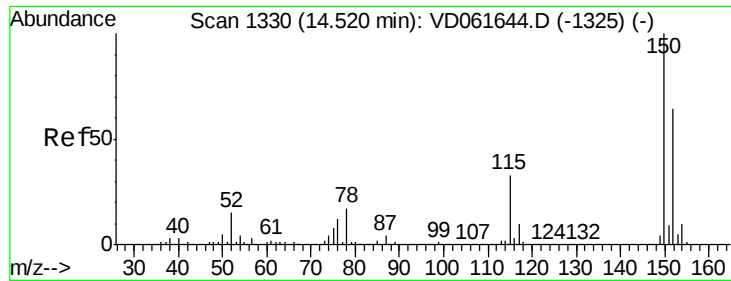


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

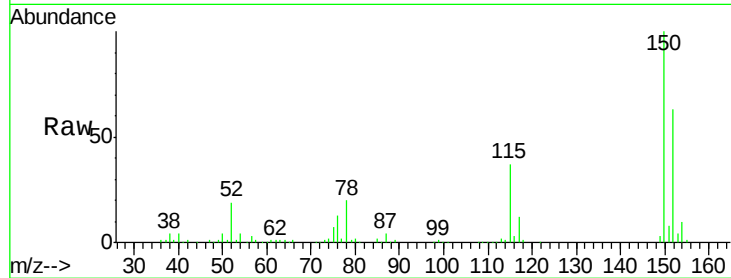
Tot Ion:152 Resp: 218804

Ion Ratio Lower Upper

152 100

115 59.9 26.4 79.2

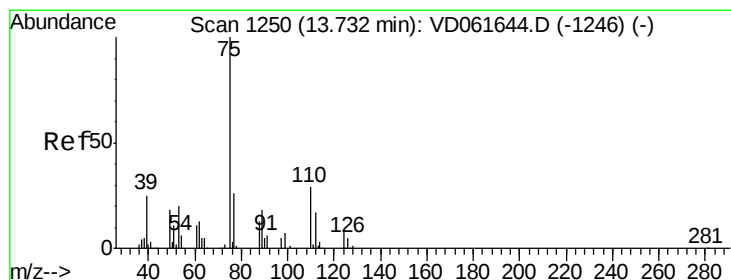
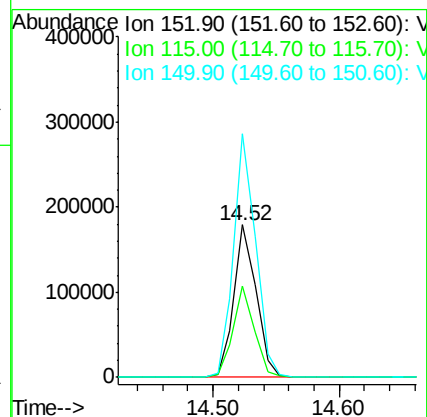
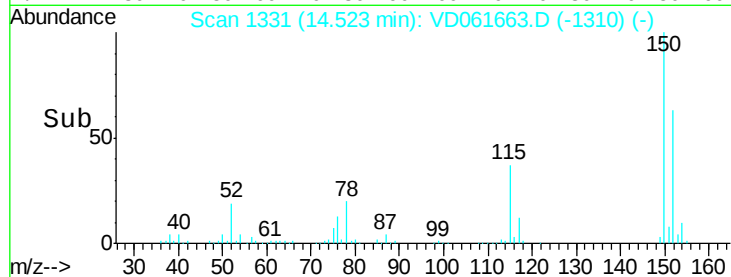
150 159.8 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 20.735 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061663.D

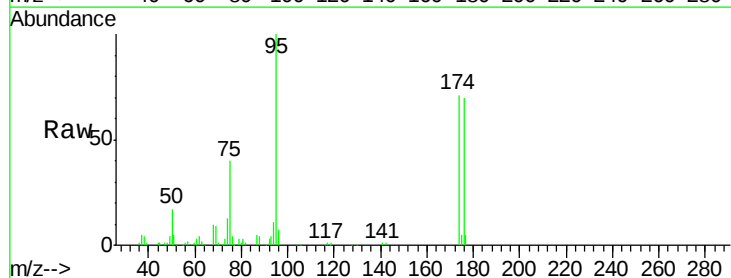
Acq: 8 Apr 2019 21:16

Tgt Ion: 75 Resp: 61726

Ion Ratio Lower Upper

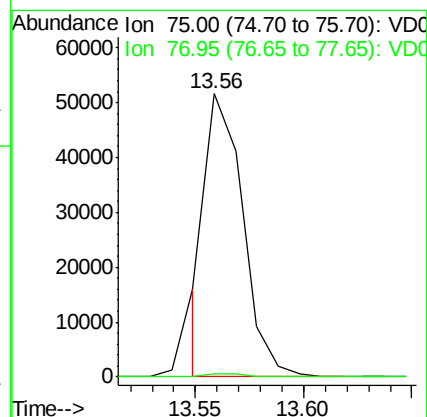
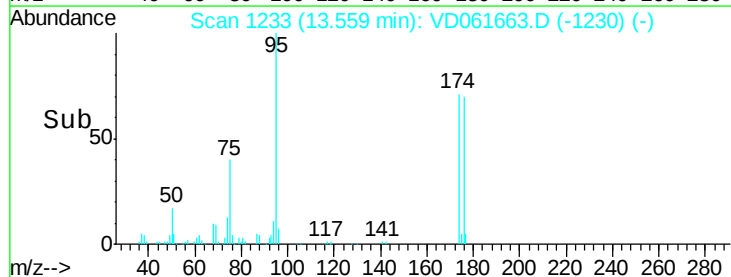
75 100

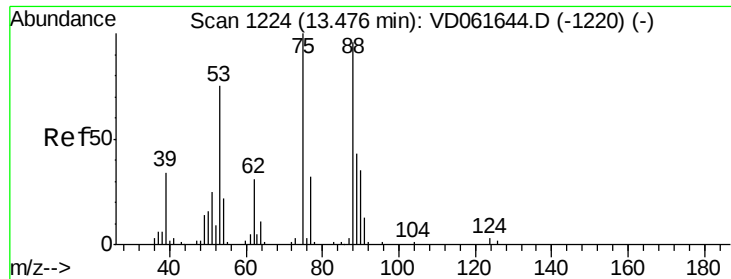
77 1.2 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 79.451 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061663.D

Acq: 8 Apr 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

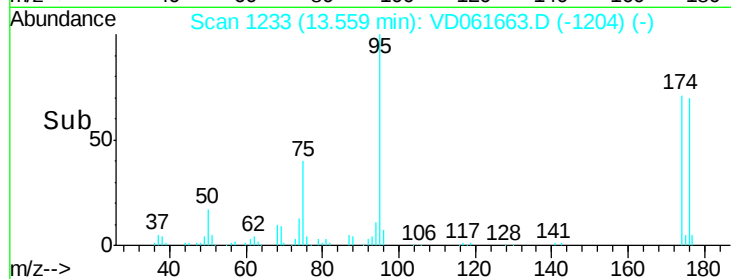
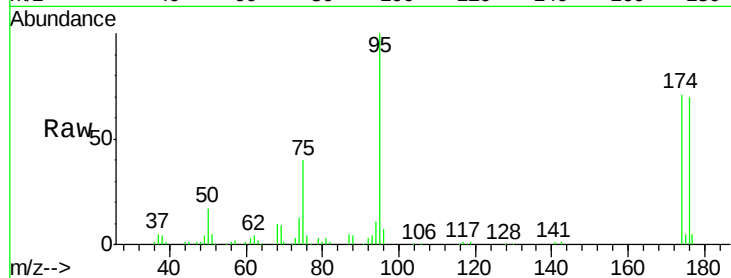
Tot Ion: 75 Resp: 71771

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

