

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062072.D
 Acq On : 29 Apr 2019 19:41
 Operator : FY/SY
 Sample : K2194-07
 Misc : 6.53qm/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:12:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	444003	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	777283	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	632253	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	266652	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	206754	59.50	ug/l	-0.03
Spiked Amount			Recovery	=	119.00%	
35) Dibromofluoromethane	6.90	113	283727	52.78	ug/l	-0.04
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.39	98	608713	47.59	ug/l	-0.03
Spiked Amount			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	13.54	95	268731	52.38	ug/l	-0.02
Spiked Amount			Recovery	=	104.76%	

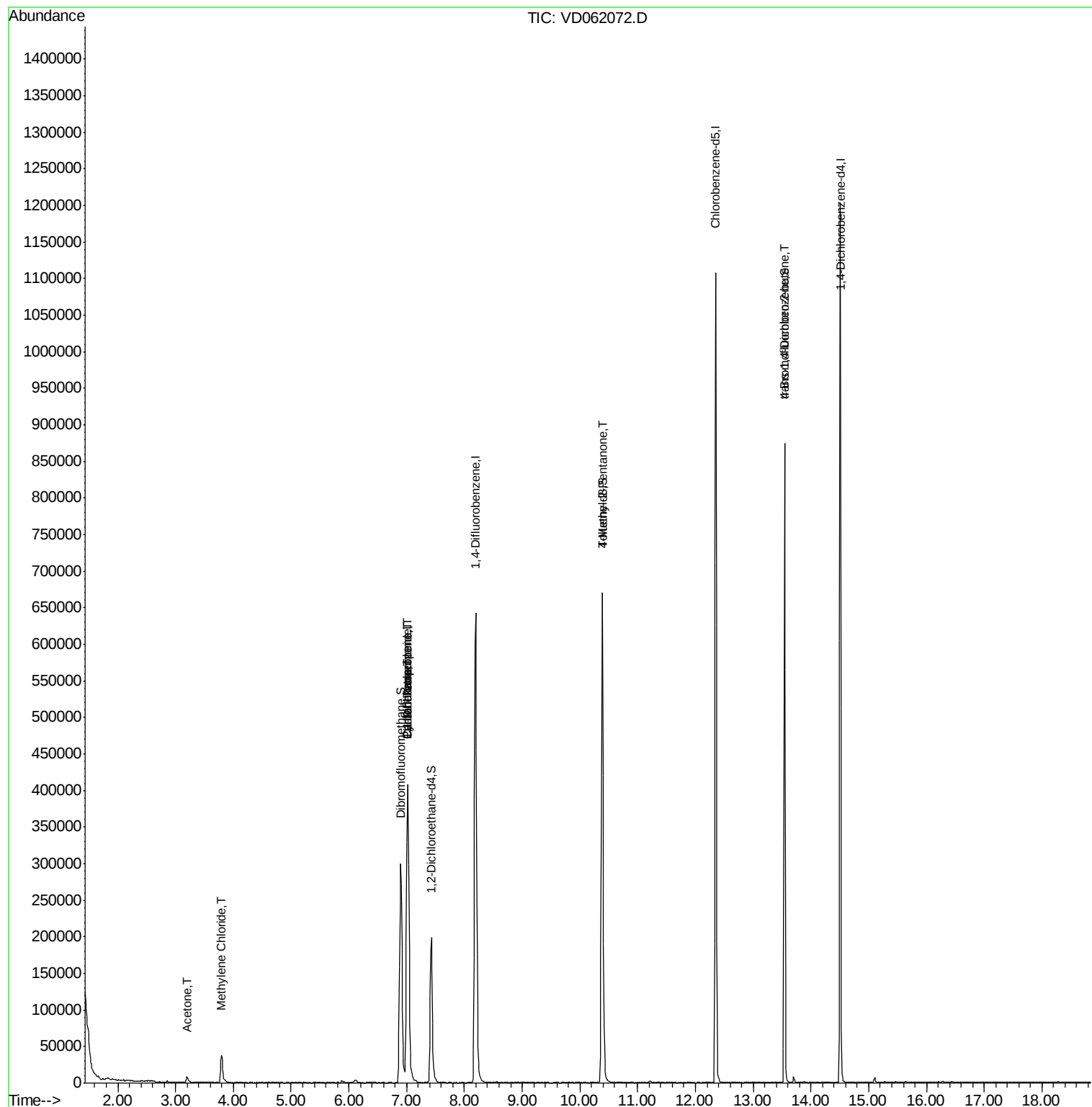
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	418	Below Cal	#	12
16) Acetone	3.20	43	15945	19.217	ug/l #	85
18) Methyl Acetate	3.62	43	223	Below Cal	#	53
20) Methylene Chloride	3.80	84	26063	3.486	ug/l	94
31) Cyclohexane	7.02	56	7366	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	32878	5.429	ug/l #	50
38) Carbon Tetrachloride	7.02	117	41802	5.447	ug/l #	17
51) 4-Methyl-2-Pentanone	10.38	43	2943	1.276	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	104359	101.703	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

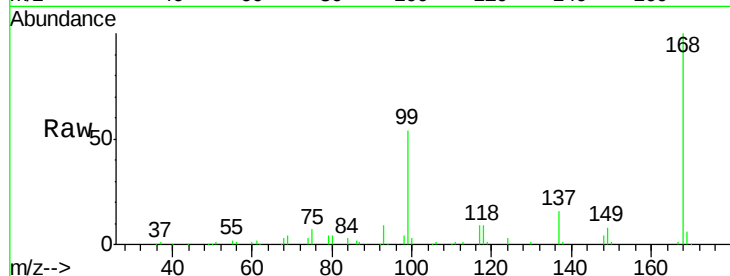
ClientSampleId :

Tot Ion:168 Resp: 444003

Ion Ratio Lower Upper

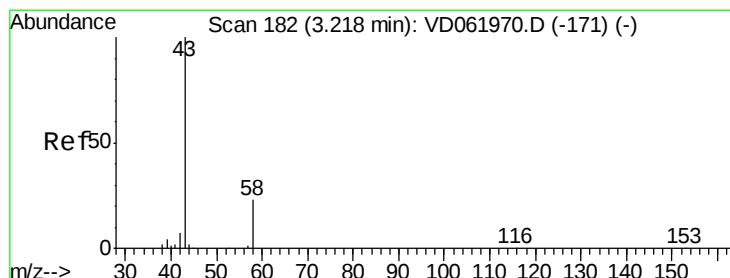
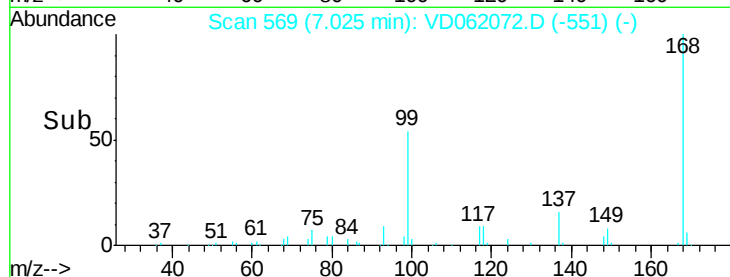
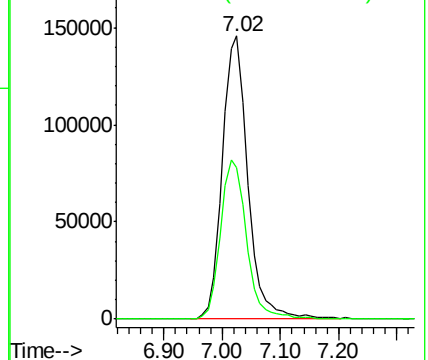
168 100

99 53.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 19.217 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062072.D

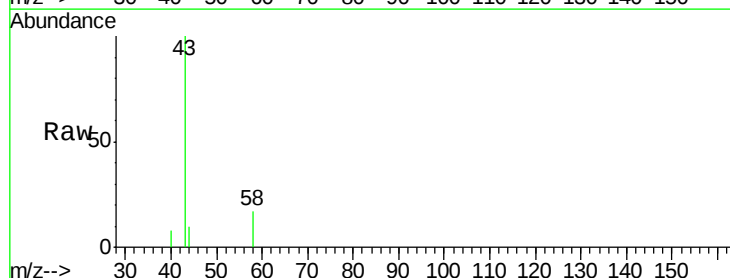
Acq: 29 Apr 2019 19:41

Tgt Ion: 43 Resp: 15945

Ion Ratio Lower Upper

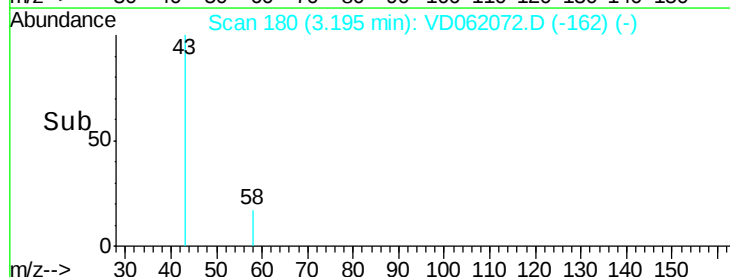
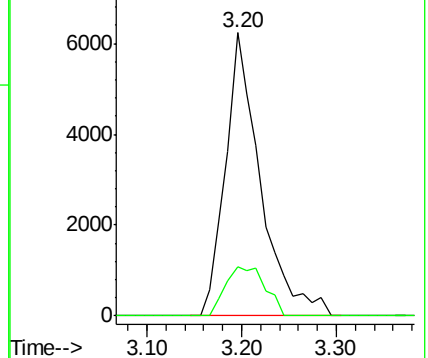
43 100

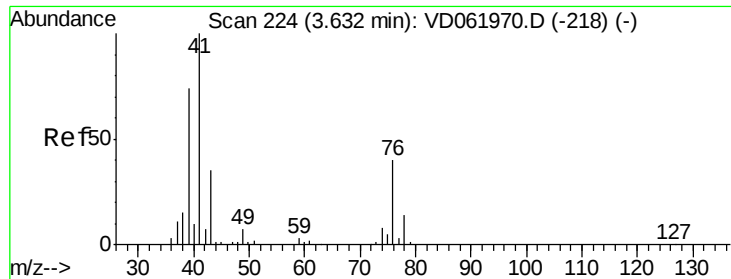
58 17.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

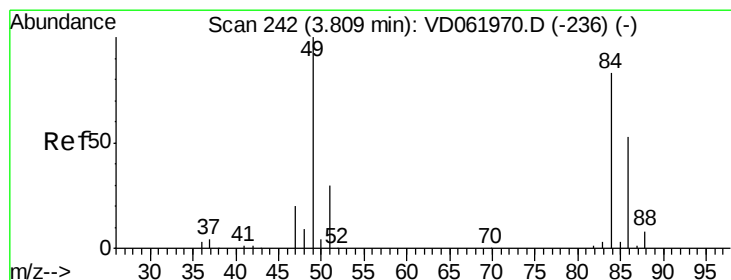
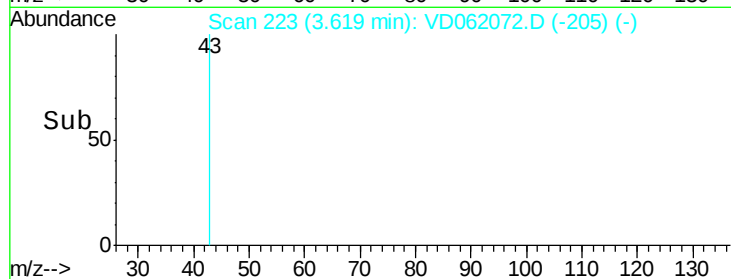
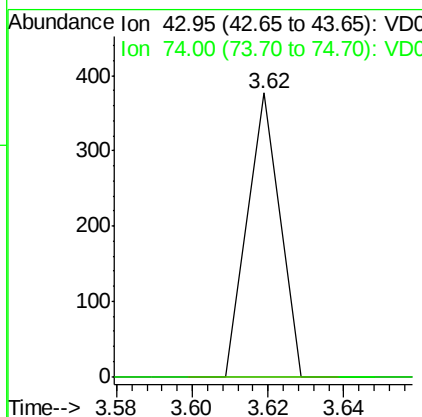
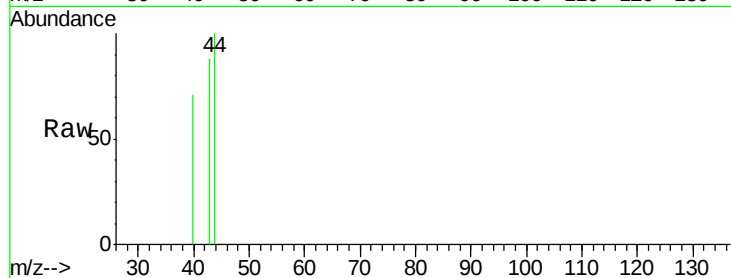




#18
Methyl Acetate
Concen: Below Cal
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD062072.D
Acq: 29 Apr 2019 19:41

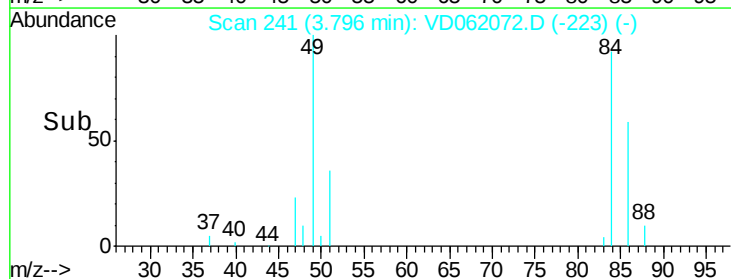
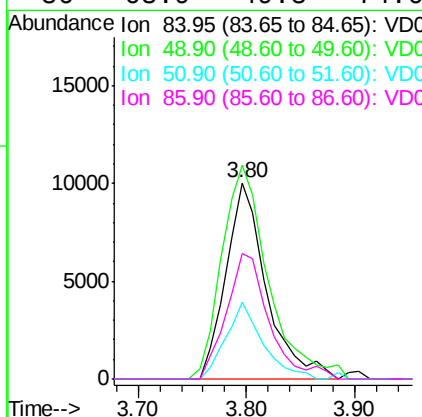
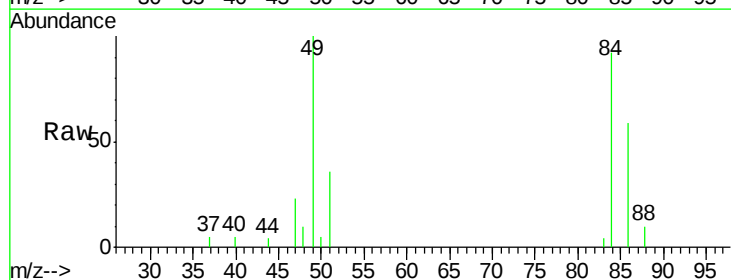
Instrument :
MSVOA_D
ClientSampleId :

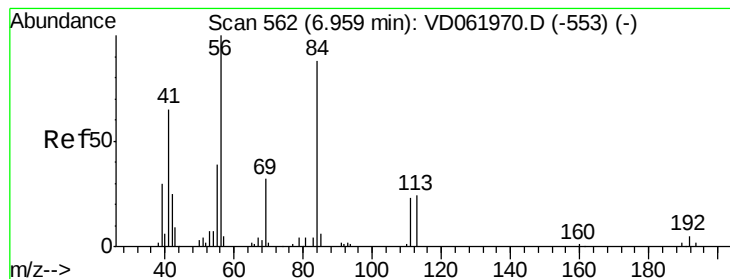
Tot Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 3.486 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062072.D
Acq: 29 Apr 2019 19:41

Tgt Ion: 84 Resp: 26063
Ion Ratio Lower Upper
84 100
49 109.0 94.0 141.0
51 39.1 29.0 43.4
86 63.9 49.8 74.6





#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

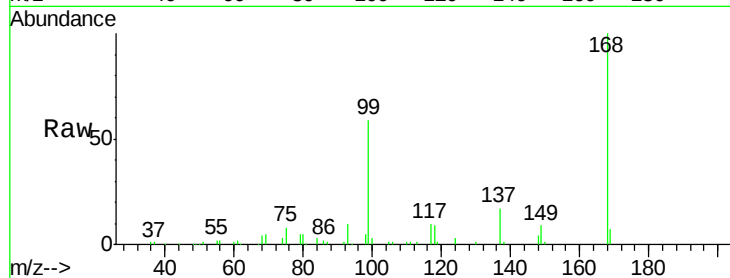
Tot Ion: 56 Resp: 7366

Ion Ratio Lower Upper

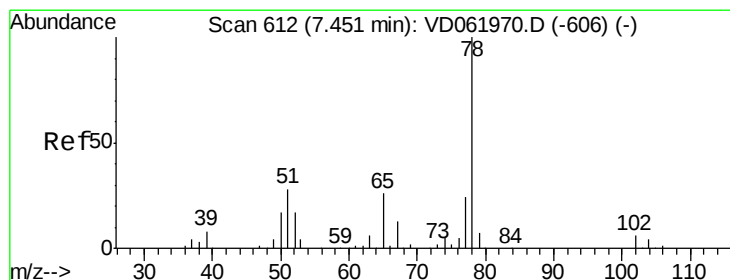
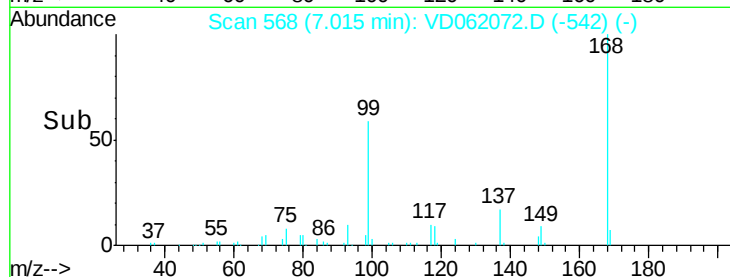
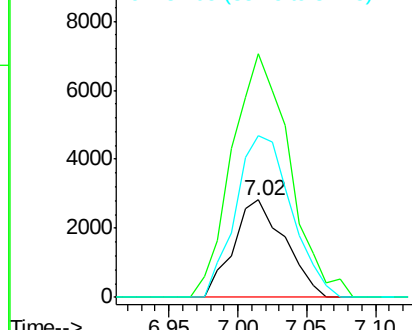
56 100

69 249.9 25.8 38.6#

84 165.8 72.2 108.4#



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: 59.497 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062072.D

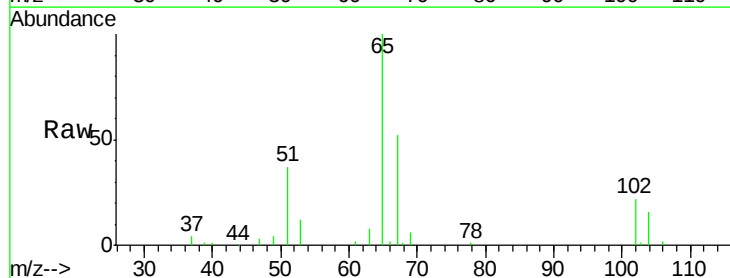
Acq: 29 Apr 2019 19:41

Tgt Ion: 65 Resp: 206754

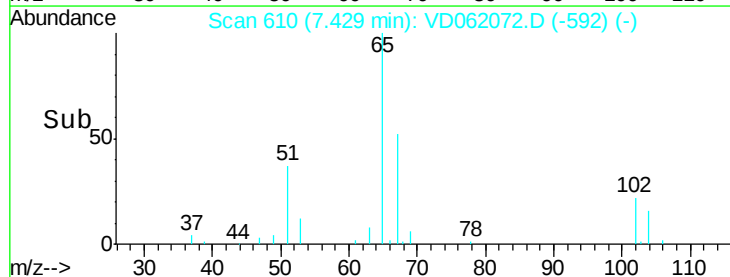
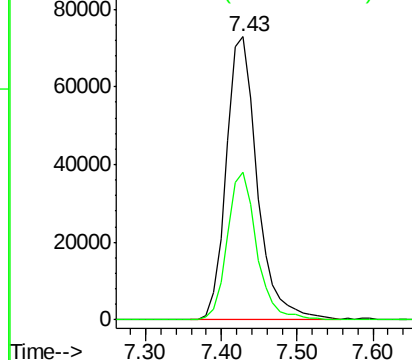
Ion Ratio Lower Upper

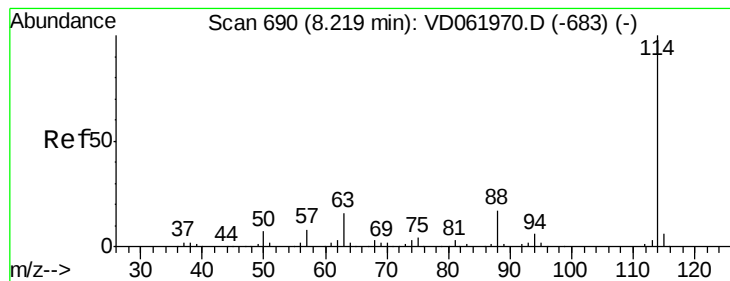
65 100

67 52.3 0.0 98.0



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: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

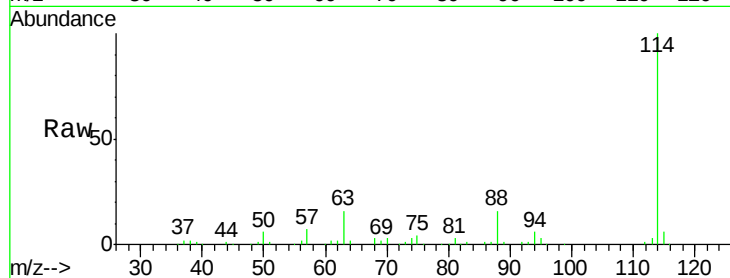
Tot Ion:114 Resp: 777283

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

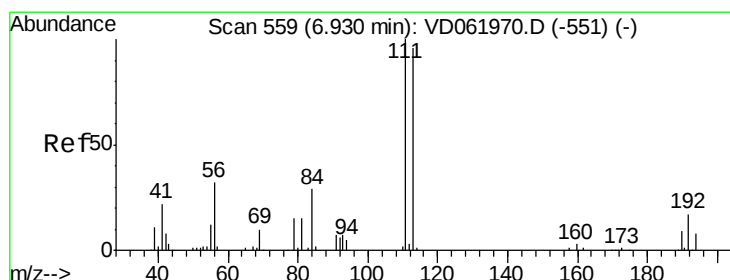
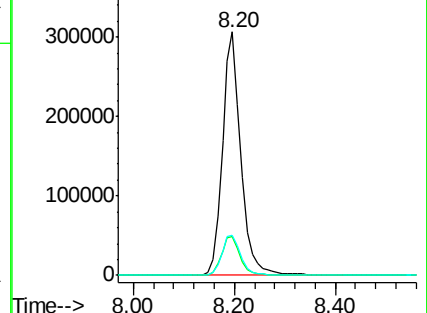
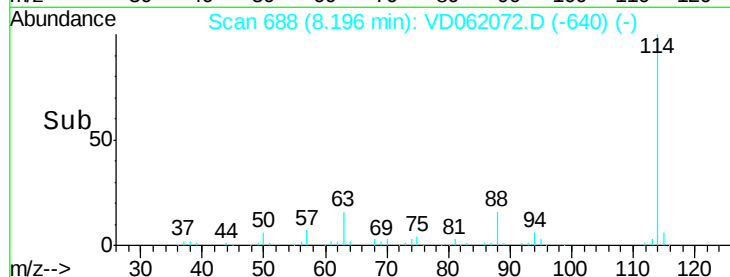
88 16.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.780 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

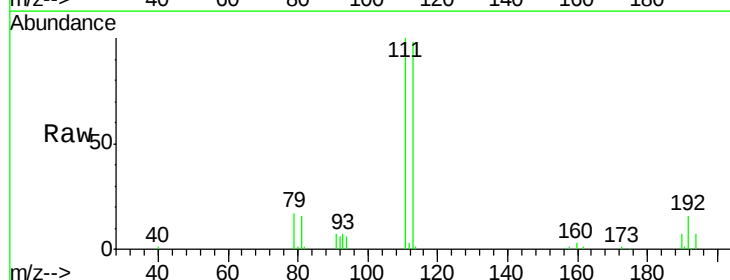
Tgt Ion:113 Resp: 283727

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

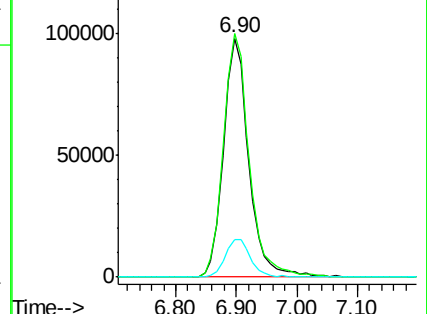
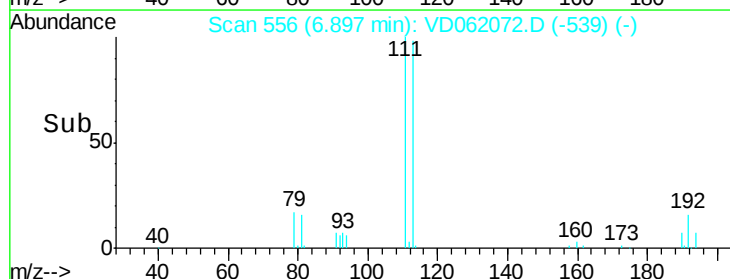
192 15.9 13.0 19.4

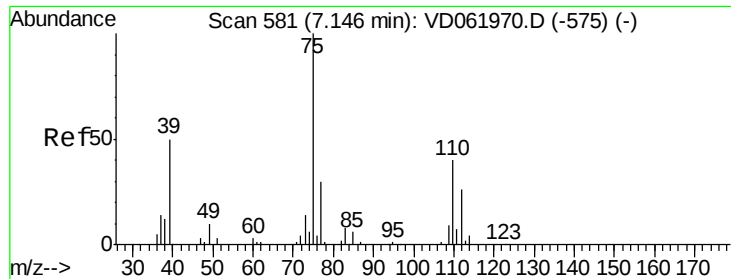


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.429 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.14 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

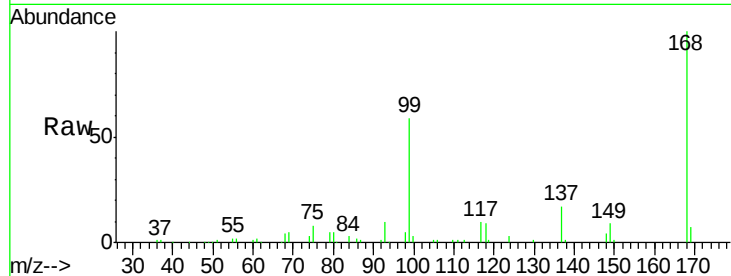
Tot Ion: 75 Resp: 32878

Ion Ratio Lower Upper

75 100

110 11.7 19.1 57.1#

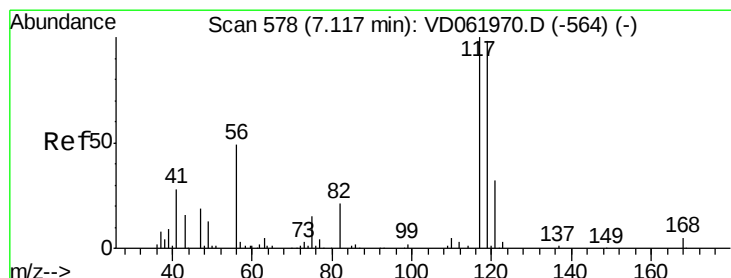
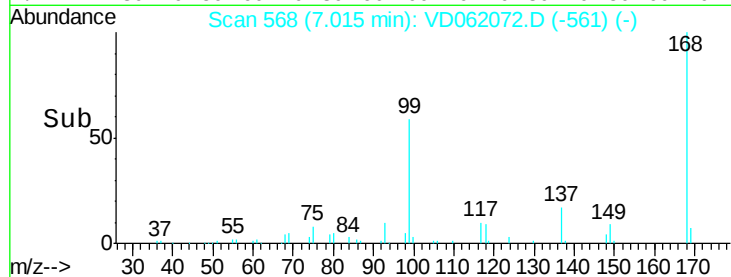
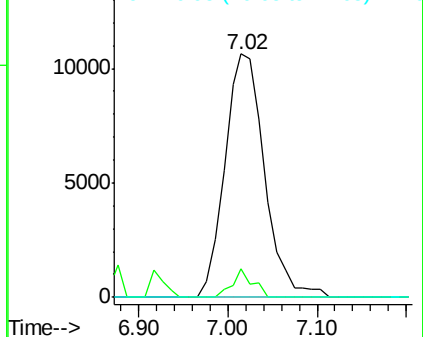
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.447 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

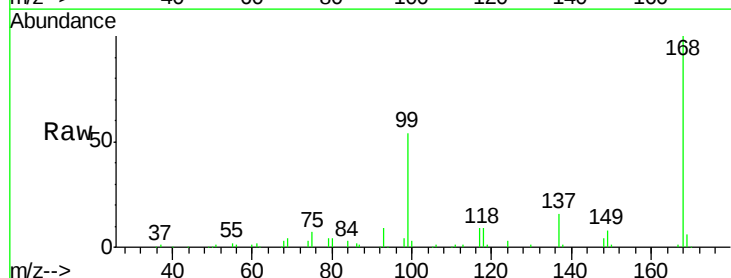
Tgt Ion: 117 Resp: 41802

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

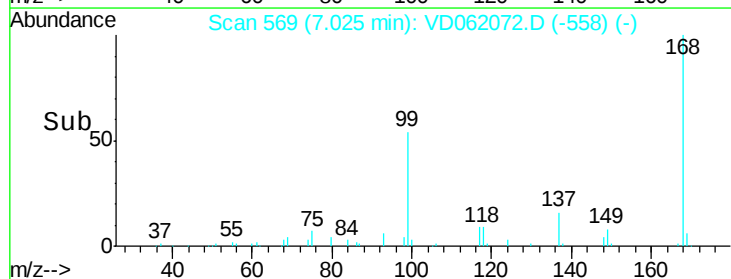
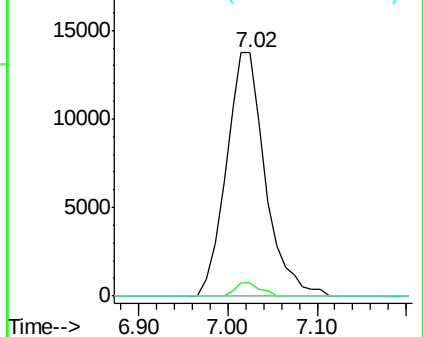
121 0.0 25.9 38.9#

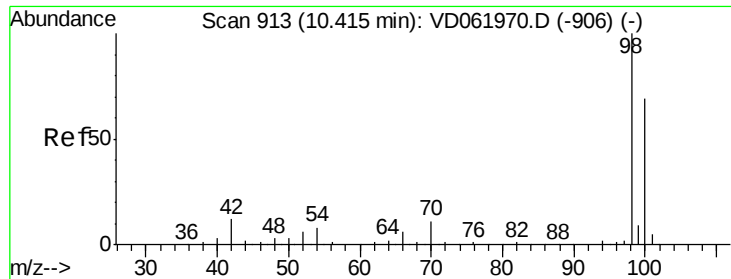


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: 47.588 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

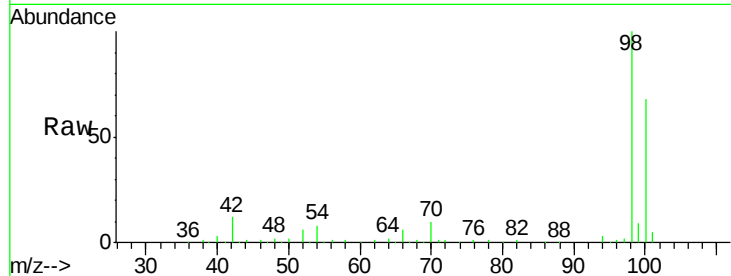
ClientSampleId :

Tot Ion: 98 Resp: 608713

Ion Ratio Lower Upper

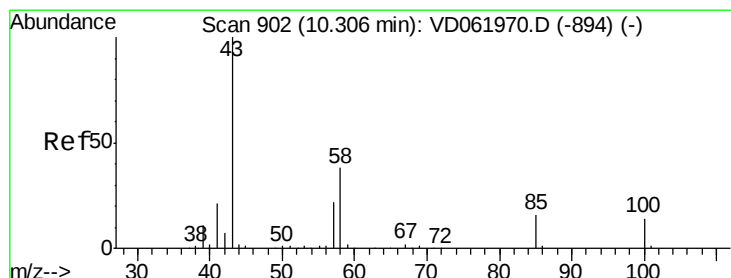
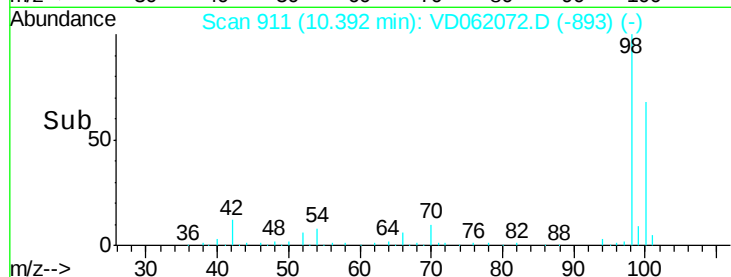
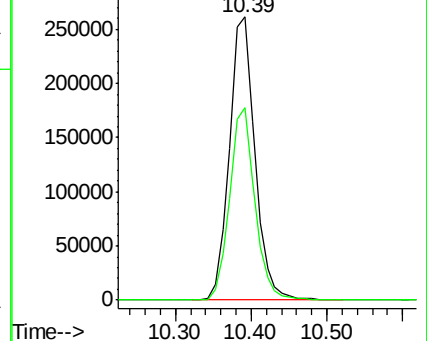
98 100

100 67.9 53.8 80.8



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: 1.276 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.08 min

Lab File: VD062072.D

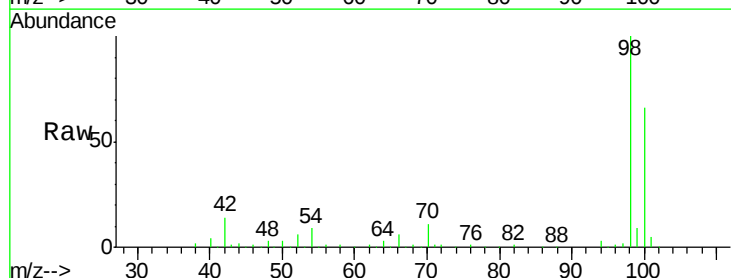
Acq: 29 Apr 2019 19:41

Tgt Ion: 43 Resp: 2943

Ion Ratio Lower Upper

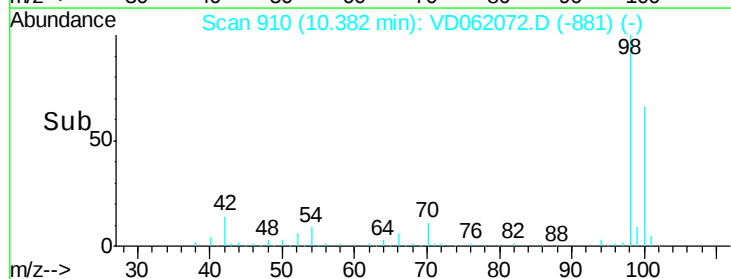
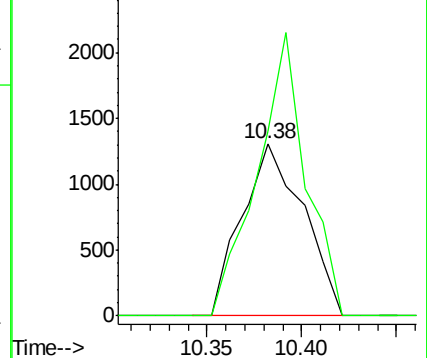
43 100

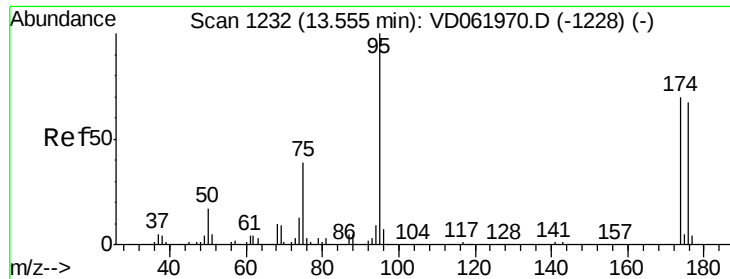
58 106.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 52.379 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

Instrument :

MSVOA_D

ClientSampled :

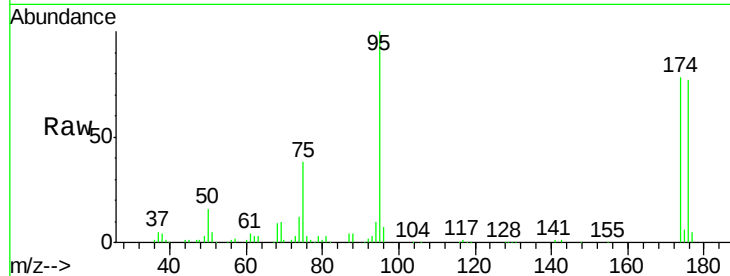
Tot Ion: 95 Resp: 268731

Ion Ratio Lower Upper

95 100

174 78.2 0.0 181.8

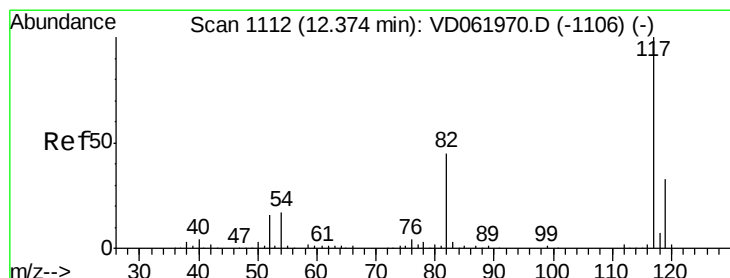
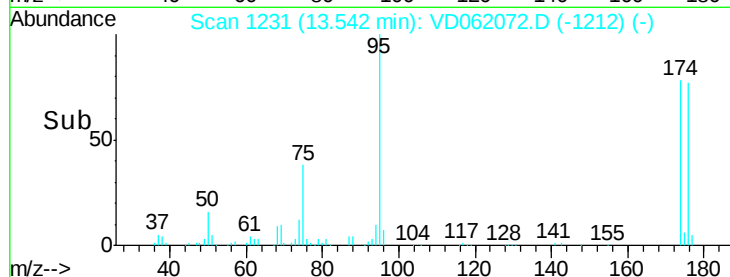
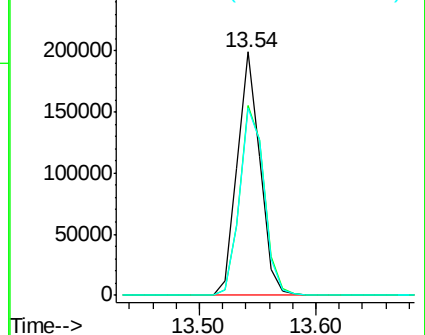
176 77.1 0.0 174.4



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062072.D

Acq: 29 Apr 2019 19:41

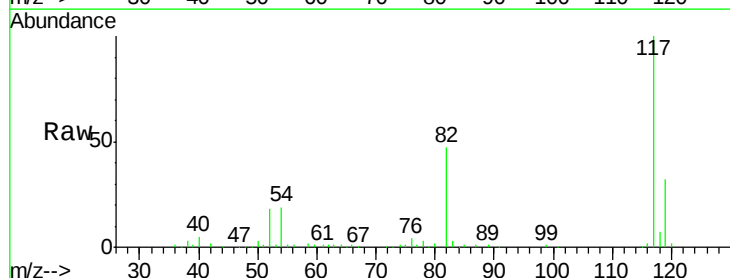
Tgt Ion: 117 Resp: 632253

Ion Ratio Lower Upper

117 100

82 47.5 36.2 54.2

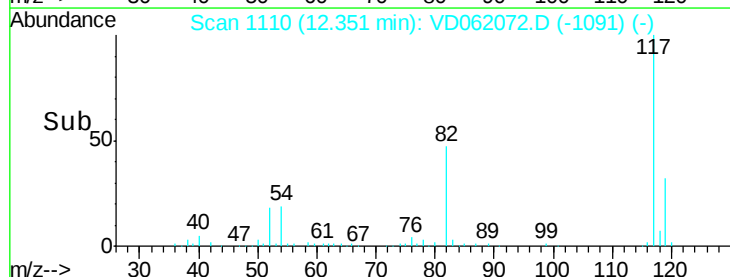
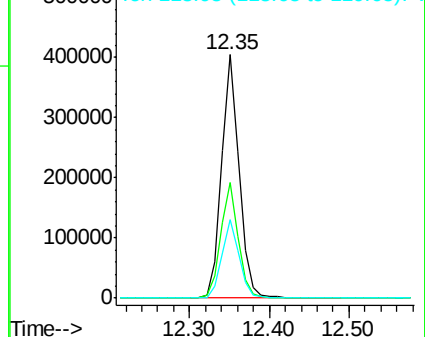
119 32.4 26.2 39.4

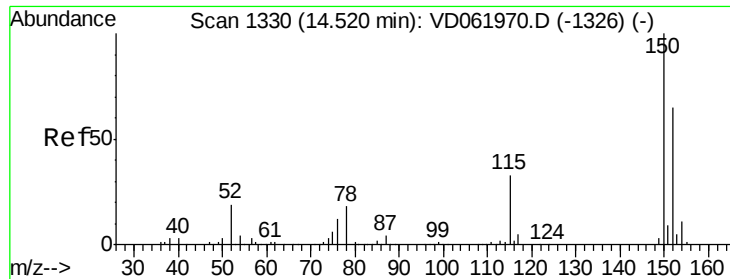


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



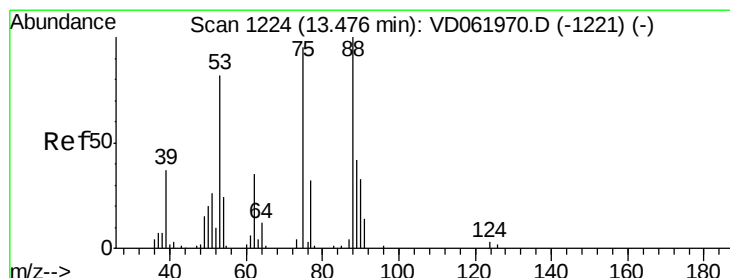
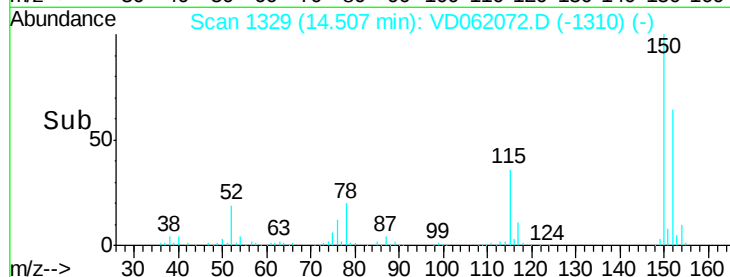
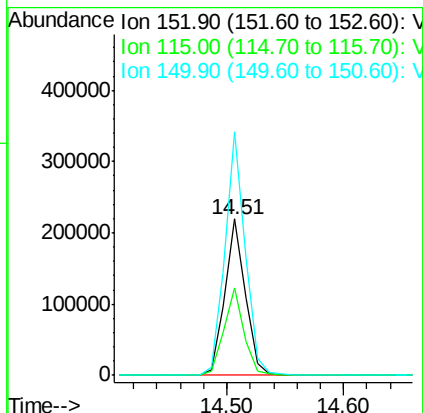
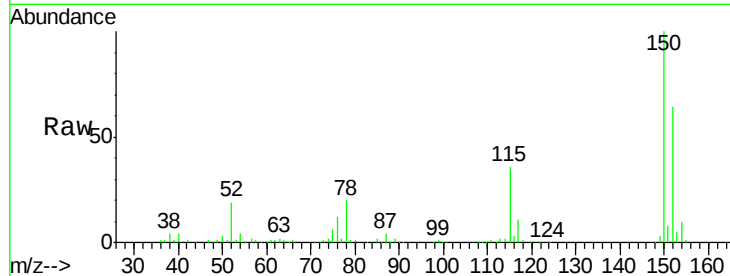


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062072.D
Acq: 29 Apr 2019 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 266652
Ion Ratio Lower Upper
152 100
115 55.6 30.9 92.7
150 155.7 0.0 314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 101.703 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062072.D
Acq: 29 Apr 2019 19:41

Tgt Ion: 75 Resp: 104359
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

