

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062078.D
 Acq On : 29 Apr 2019 22:30
 Operator : FY/SY
 Sample : K2199-17
 Misc : 6.41µm/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:13:26 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

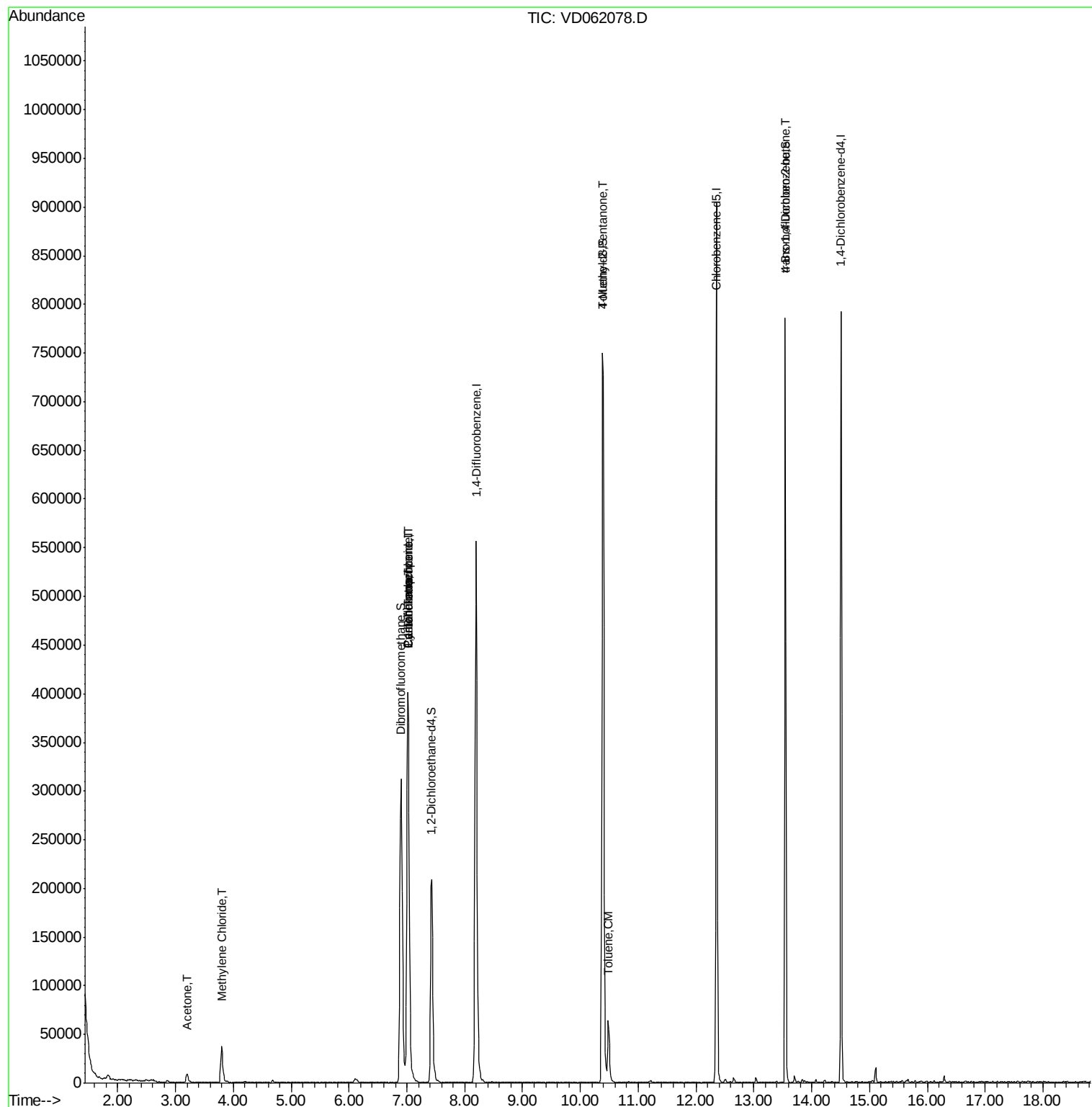
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	407303	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	668863	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	535066	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	180519	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	218138	68.43	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	136.86%	
35) Dibromofluoromethane	6.90	113	309087	66.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	133.64%	
50) Toluene-d8	10.38	98	676146	61.43	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	122.86%	
62) 4-Bromofluorobenzene	13.54	95	231388	52.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.82%	
Target Compounds						
5) Bromomethane	2.16	94	261	Below Cal	#	12
16) Acetone	3.20	43	17356	22.802	ug/l	93
20) Methylene Chloride	3.80	84	28368	4.771	ug/l	97
31) Cyclohexane	7.02	56	6849	1.442	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	31430	6.031	ug/l #	48
38) Carbon Tetrachloride	7.02	117	39015	5.908	ug/l #	16
51) 4-Methyl-2-Pentanone	10.38	43	2850	1.436	ug/l #	1
52) Toluene	10.48	92	35684	4.338	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.54	75	91026	131.036	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# 568

Delta R.T. -0.04 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

Instrument :

MSVOA_D

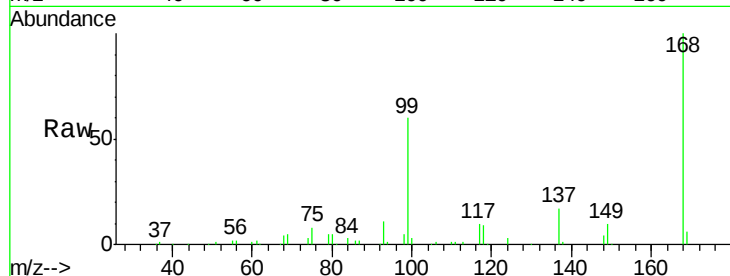
ClientSampleId :

Tot Ion:168 Resp: 407303

Ion Ratio Lower Upper

168 100

99 59.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

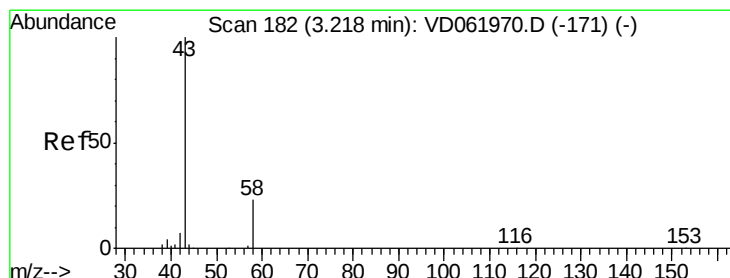
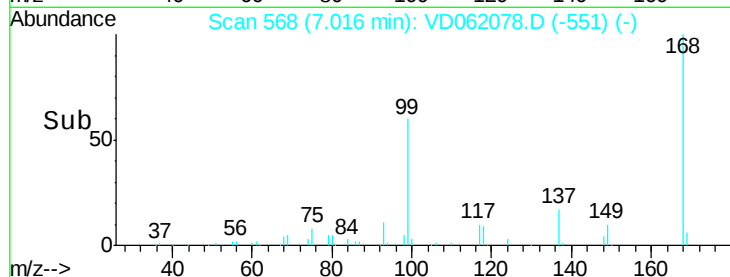
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 22.802 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062078.D

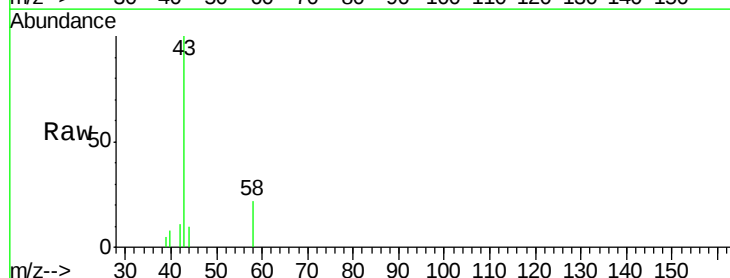
Acq: 29 Apr 2019 22:30

Tgt Ion: 43 Resp: 17356

Ion Ratio Lower Upper

43 100

58 21.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

6000

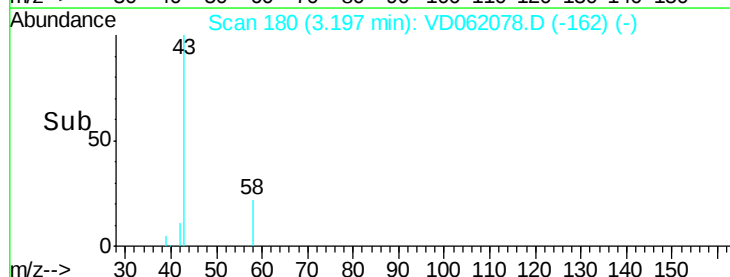
4000

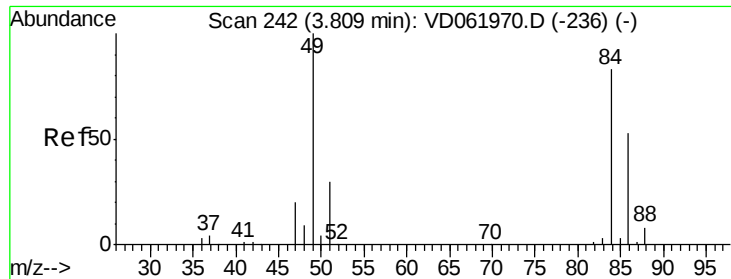
2000

0

3.10 3.20 3.30

Time-->

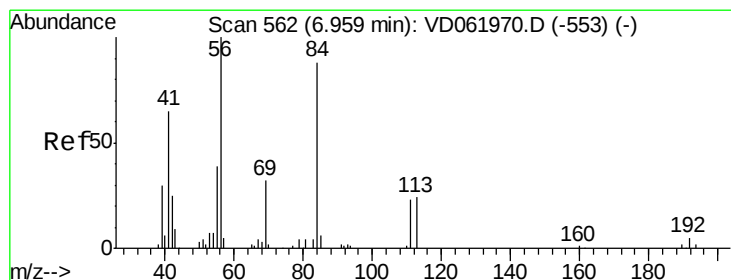
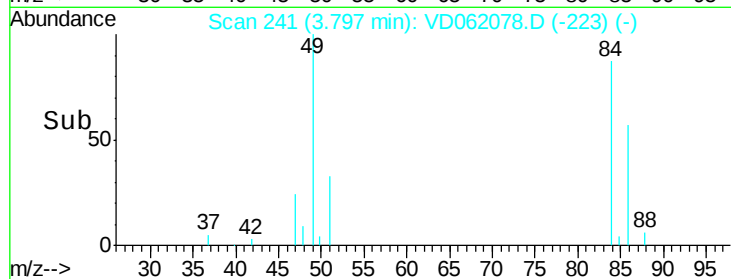
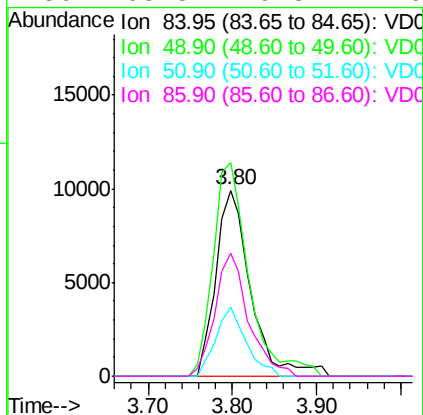
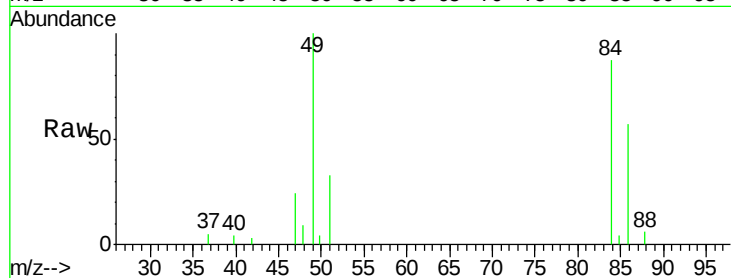




#20
Methylene Chloride
Concen: 4.771 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

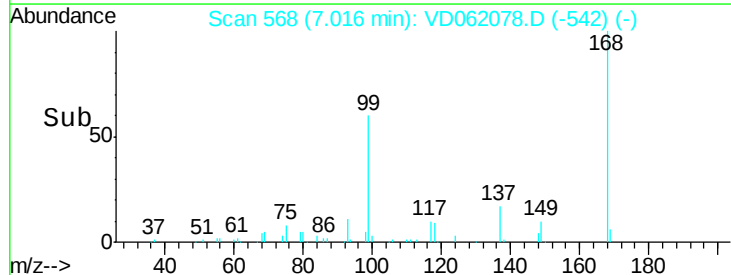
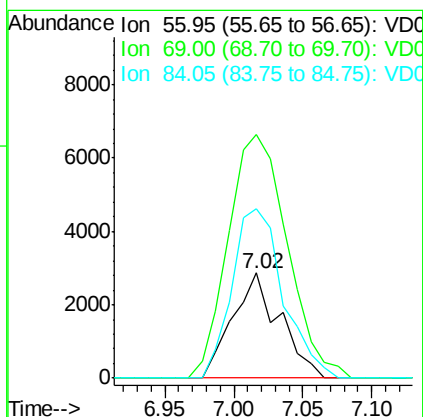
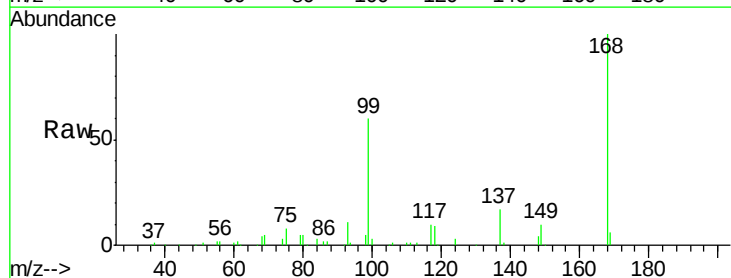
Instrument :
MSVOA_D
ClientSampleId :

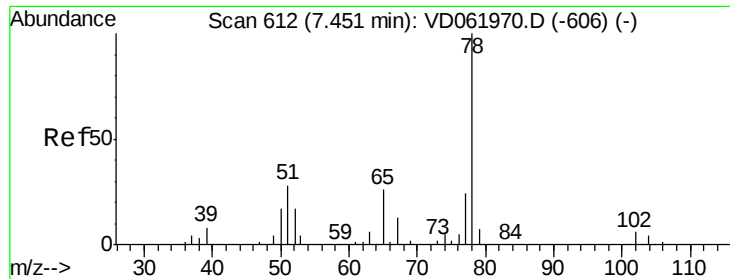
Tot Ion: 84 Resp: 28368
Ion Ratio Lower Upper
84 100
49 114.8 94.0 141.0
51 37.3 29.0 43.4
86 65.8 49.8 74.6



#31
Cyclohexane
Concen: 1.442 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

Tgt Ion: 56 Resp: 6849
Ion Ratio Lower Upper
56 100
69 231.6 25.8 38.6#
84 161.4 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 68.429 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

Instrument :

MSVOA_D

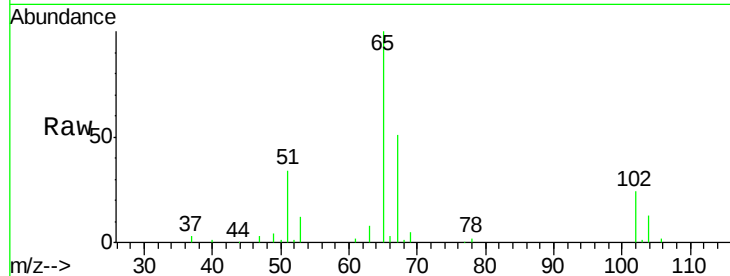
ClientSampleId :

Tot Ion: 65 Resp: 218138

Ion Ratio Lower Upper

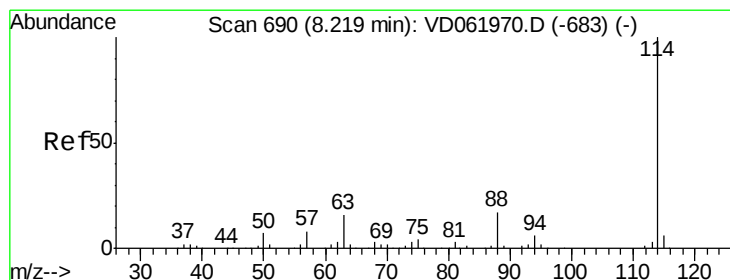
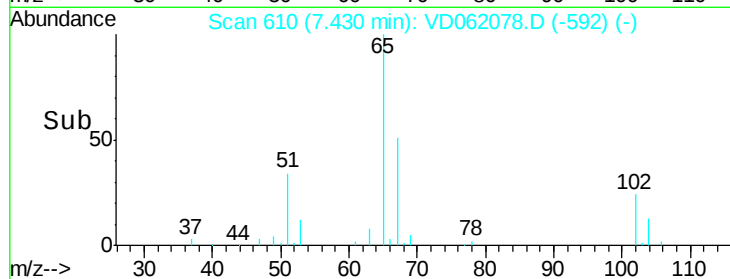
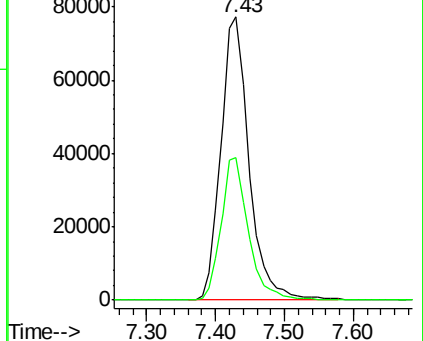
65 100

67 50.5 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: VD062078.D

Acq: 29 Apr 2019 22:30

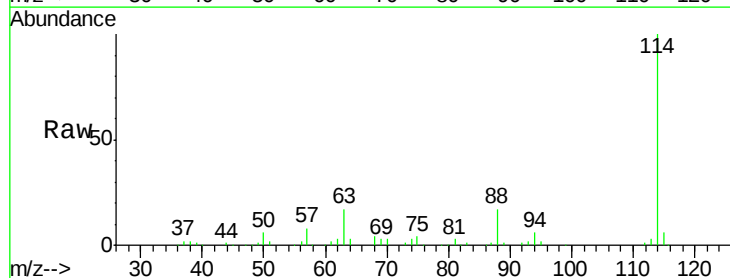
Tgt Ion: 114 Resp: 668863

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

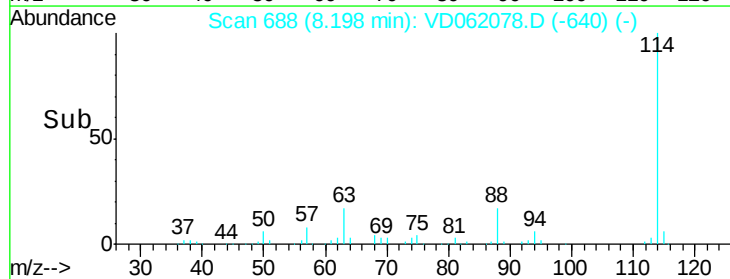
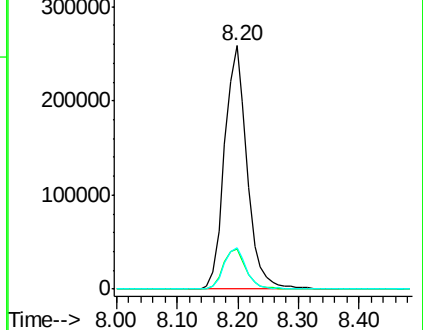
88 16.9 0.0 33.6

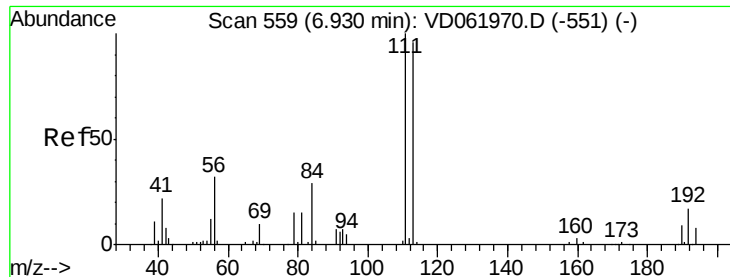


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 66.818 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

Instrument :

MSVOA_D

ClientSampleId :

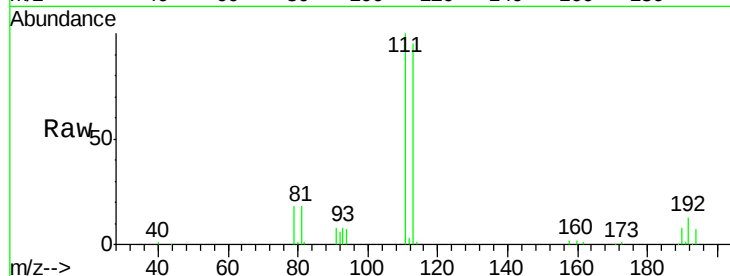
Tot Ion:113 Resp: 309087

Ion Ratio Lower Upper

113 100

111 105.1 78.5 117.7

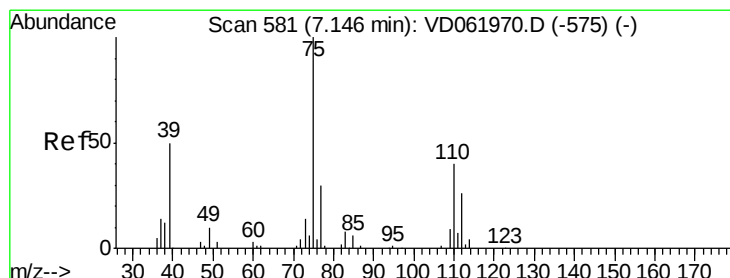
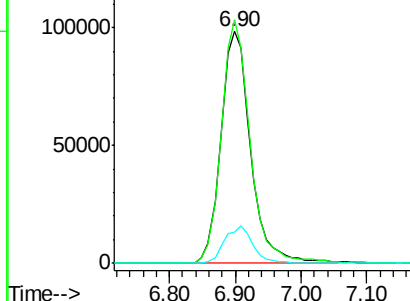
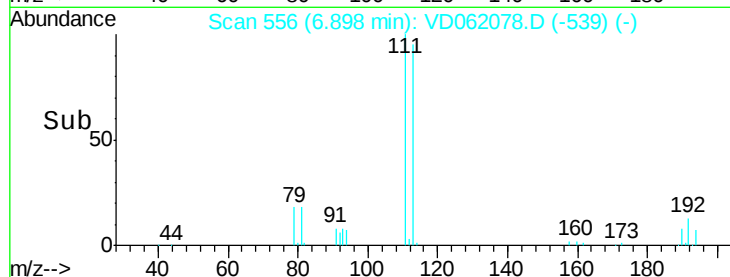
192 13.6 13.0 19.4



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: 6.031 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

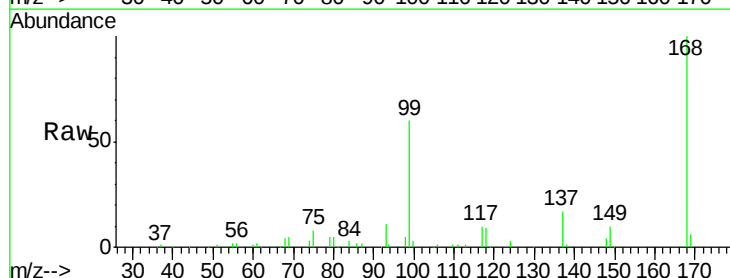
Tgt Ion: 75 Resp: 31430

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

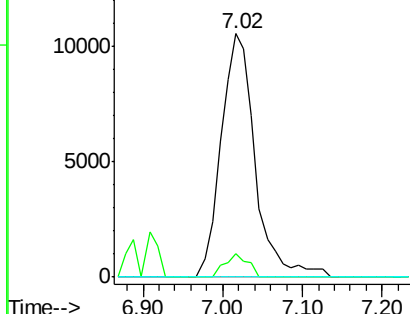
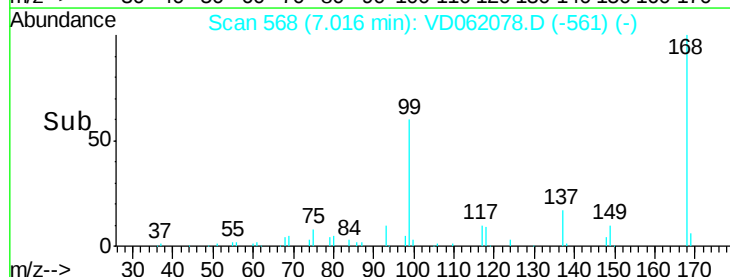
77 0.0 25.6 38.4#

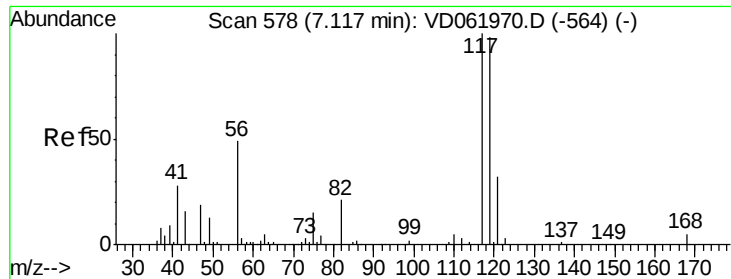


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

Instrument :

MSVOA_D

ClientSampleId :

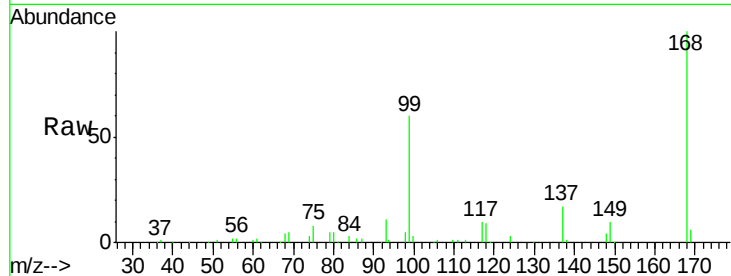
Tot Ion:117 Resp: 39015

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

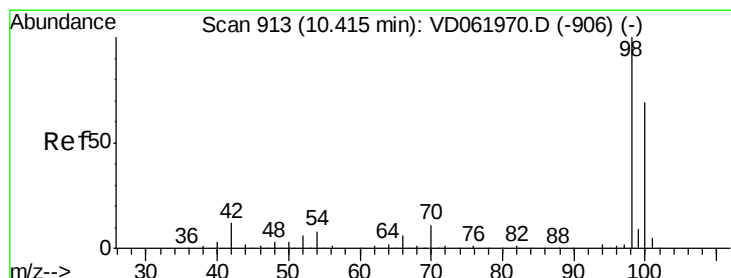
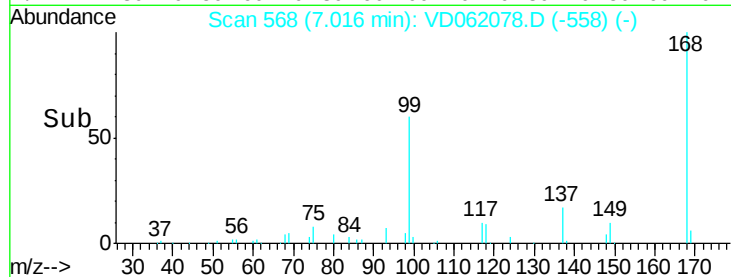
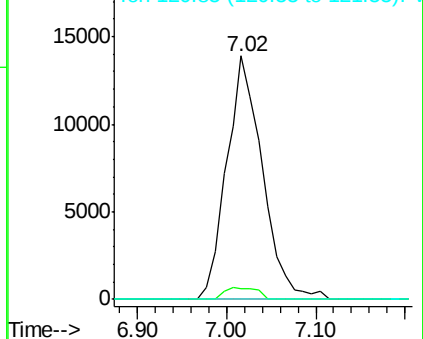
121 0.0 25.9 38.9#



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: 61.428 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.04 min

Lab File: VD062078.D

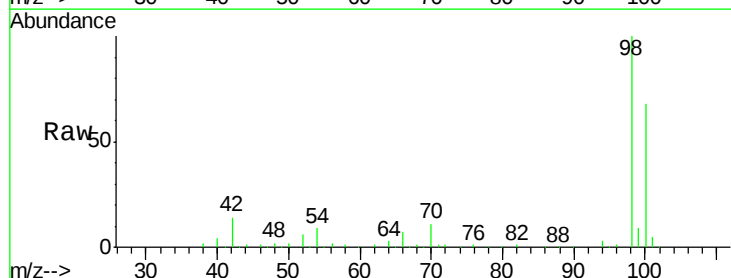
Acq: 29 Apr 2019 22:30

Tgt Ion: 98 Resp: 676146

Ion Ratio Lower Upper

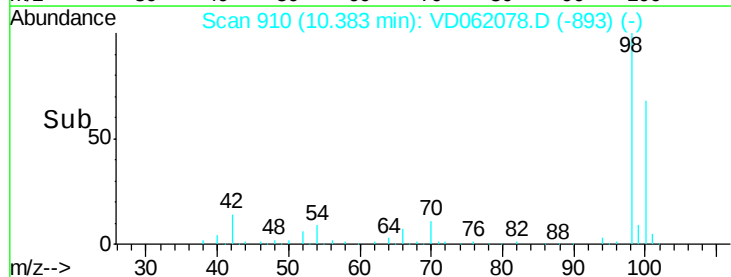
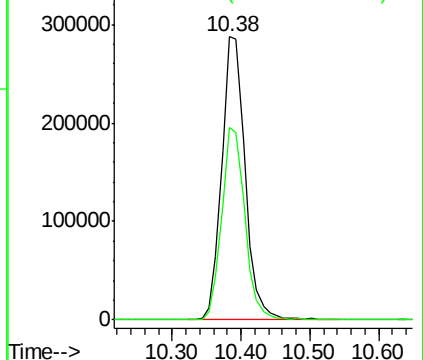
98 100

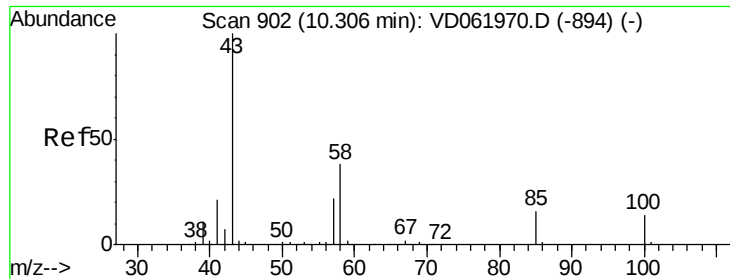
100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.436 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.08 min

Lab File: VD062078.D

Acq: 29 Apr 2019 22:30

Instrument :

MSVOA_D

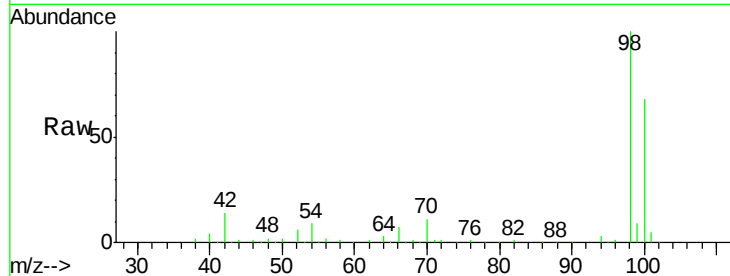
ClientSampled :

Tot Ion: 43 Resp: 2850

Ion Ratio Lower Upper

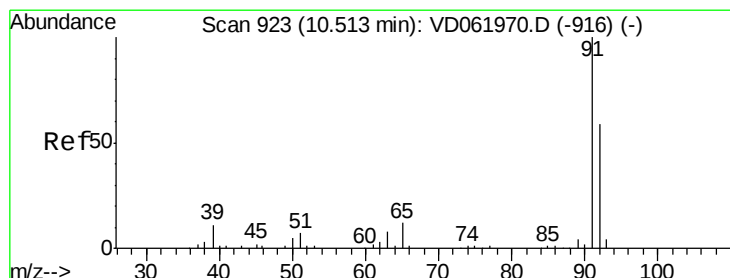
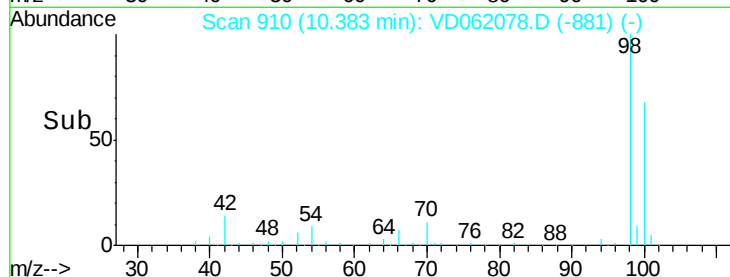
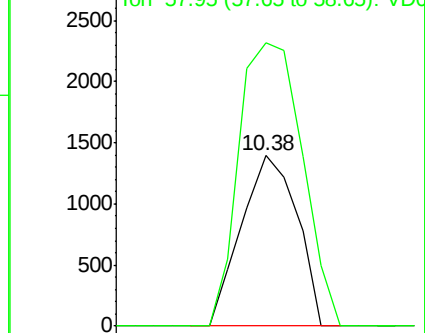
43 100

58 165.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.338 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.04 min

Lab File: VD062078.D

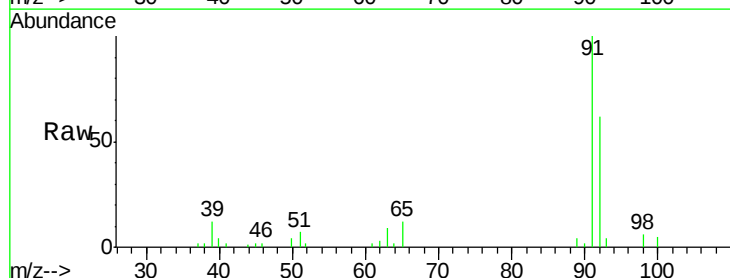
Acq: 29 Apr 2019 22:30

Tgt Ion: 92 Resp: 35684

Ion Ratio Lower Upper

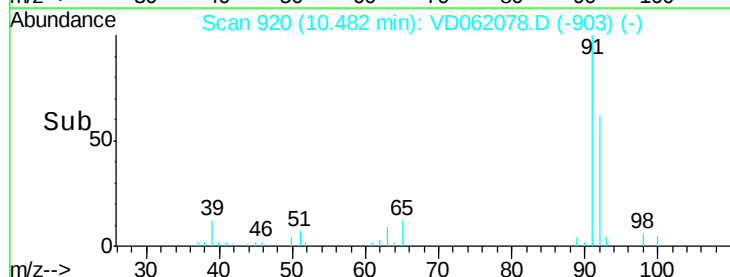
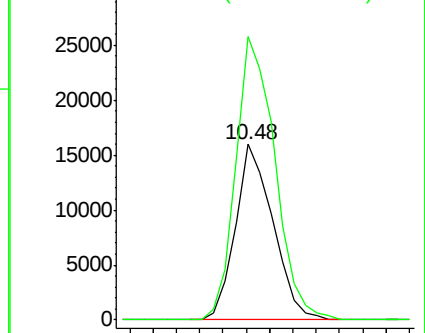
92 100

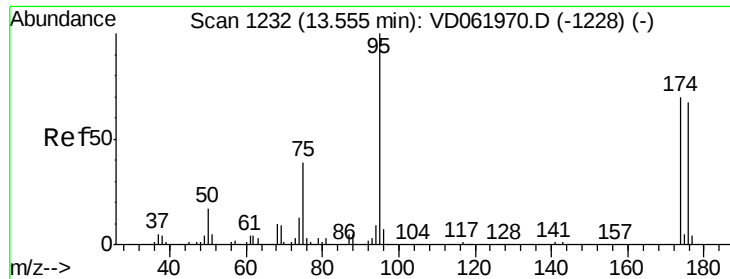
91 161.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

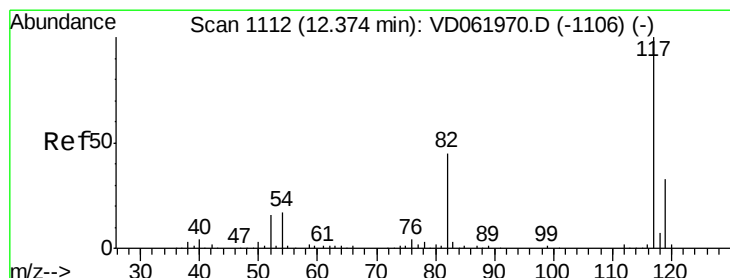
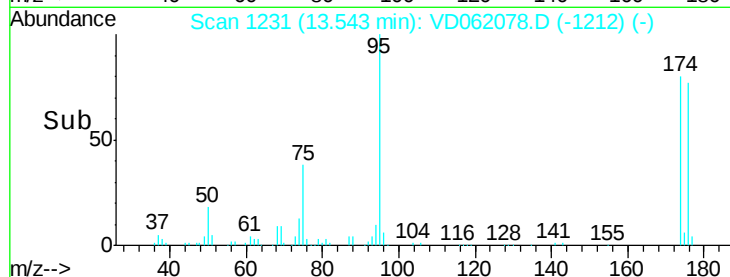
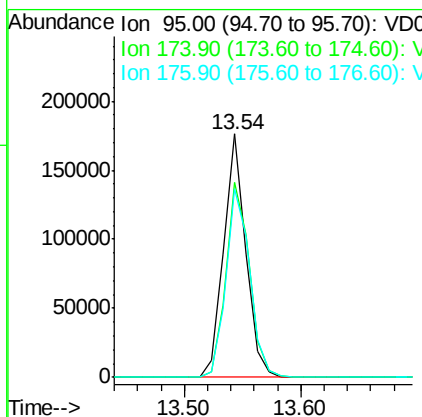
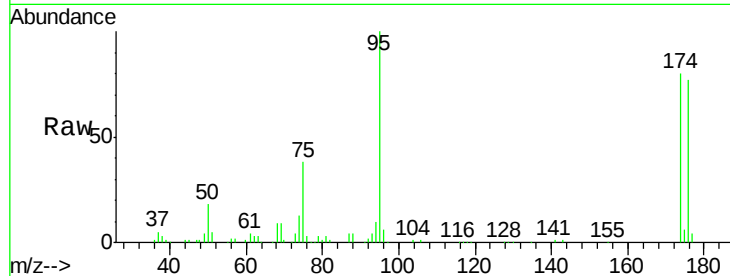




#62
4-Bromofluorobenzene
Concen: 52.411 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

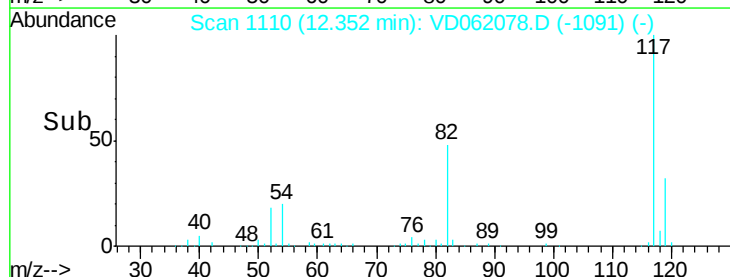
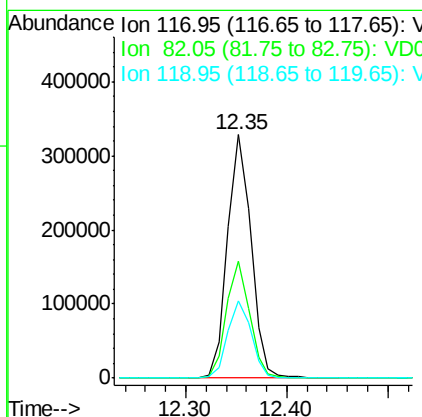
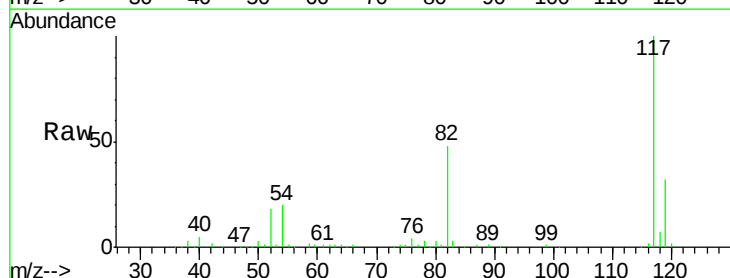
Instrument :
MSVOA_D
ClientSampleId :

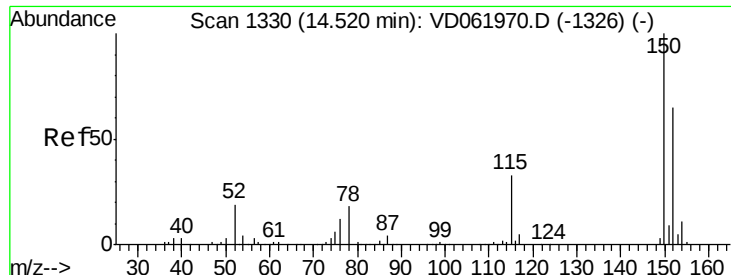
Tot Ion: 95 Resp: 231388
Ion Ratio Lower Upper
95 100
174 80.0 0.0 181.8
176 77.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

Tgt Ion: 117 Resp: 535066
Ion Ratio Lower Upper
117 100
82 48.2 36.2 54.2
119 31.7 26.2 39.4



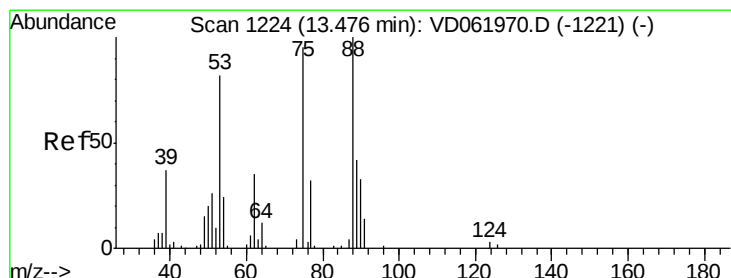
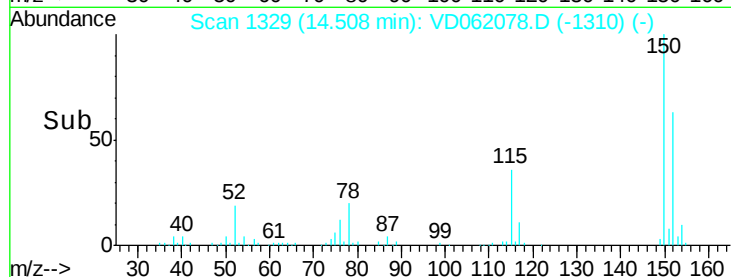
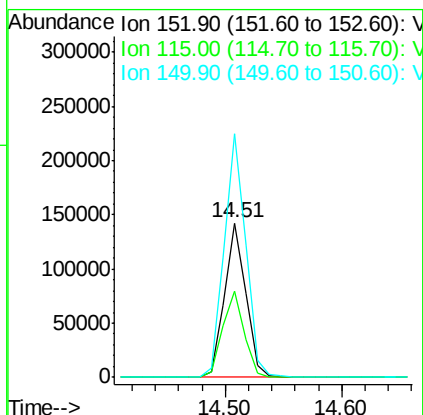
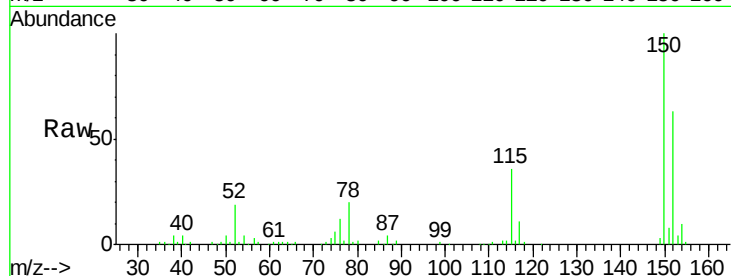


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 180519
Ion Ratio Lower Upper
152 100
115 56.1 30.9 92.7
150 157.9 0.0 314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 131.036 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062078.D
Acq: 29 Apr 2019 22:30

Tgt Ion: 75 Resp: 91026
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

