

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063161.D
 Acq On : 19 Jul 2019 18:39
 Operator : VA/AP
 Sample : K3911-02
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 05:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	798451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1125497	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	847459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	369598	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	428321	43.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.12%	
35) Dibromofluoromethane	6.92	113	397203	35.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.86%	
50) Toluene-d8	10.42	98	939835	39.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.06%	
62) 4-Bromofluorobenzene	13.56	95	364821	32.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.50%	

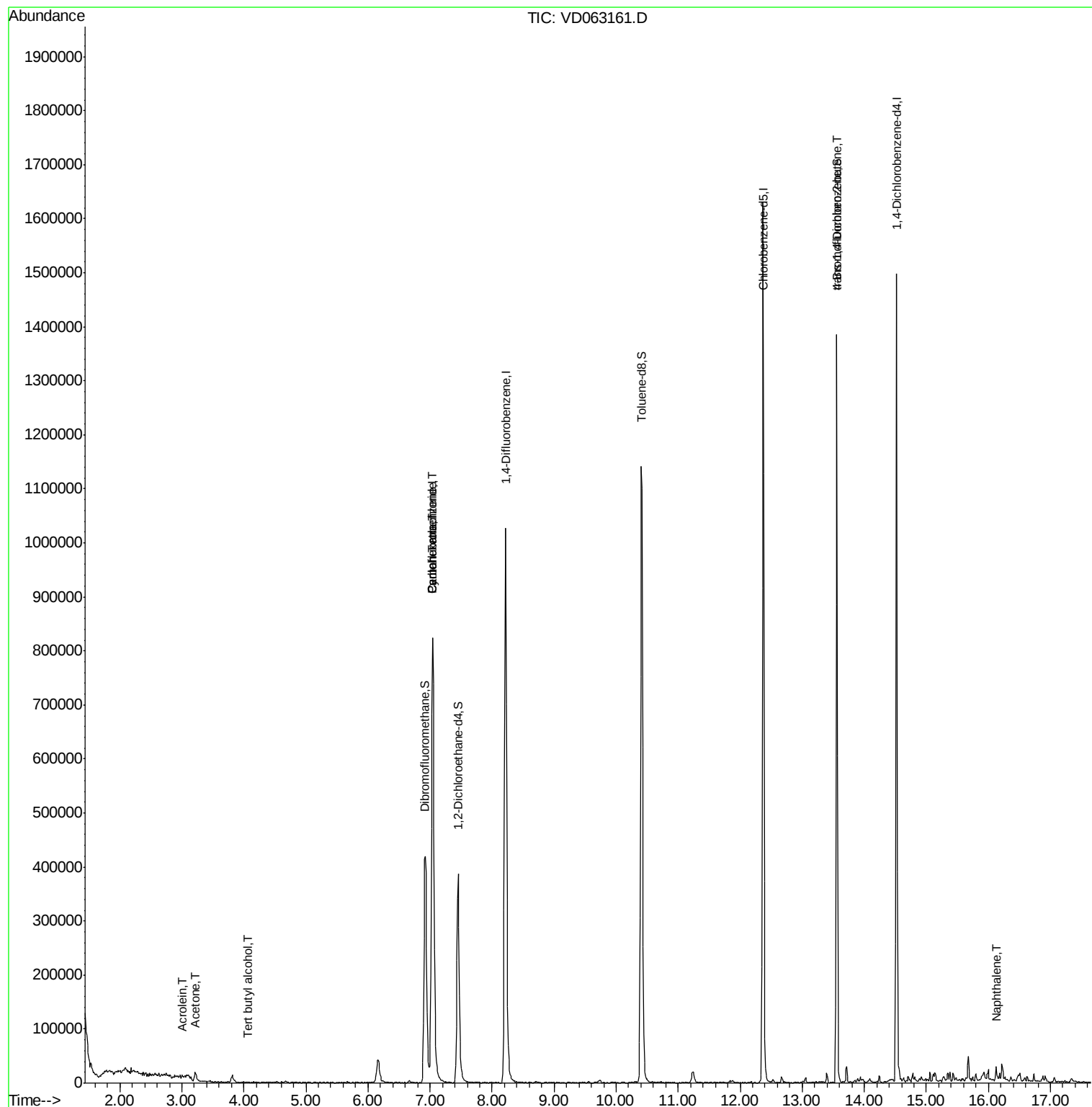
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.65	85	252	Below Cal	#	43
3) Chloromethane	1.75	50	202	Below Cal	#	48
5) Bromomethane	2.15	94	689	Below Cal	#	16
11) Tert butyl alcohol	4.06	59	677	1.179	ug/l #	77
13) Acrolein	3.03	56	285	1.645	ug/l #	1
16) Acetone	3.21	43	33328	13.873	ug/l #	87
18) Methyl Acetate	3.65	43	545	Below Cal	#	63
31) Cyclohexane	7.03	56	18007	1.902	ug/l #	17
38) Carbon Tetrachloride	7.04	117	80201	4.170	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.56	75	166989	111.534	ug/l #	1
95) Naphthalene	16.13	128	16401	1.159	ug/l #	91

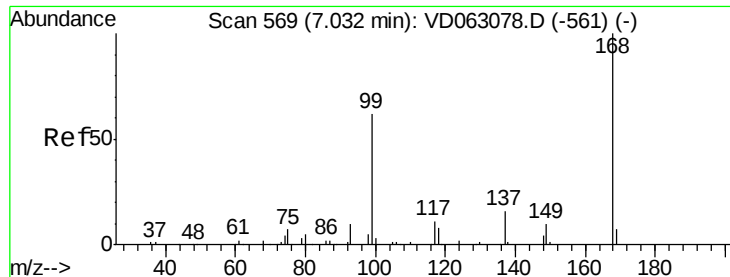
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071919\
Data File : VD063161.D
Acq On : 19 Jul 2019 18:39
Operator : VA/AP
Sample : K3911-02
Misc : 5.02g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 20 05:02:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

Instrument :

MSVOA_D

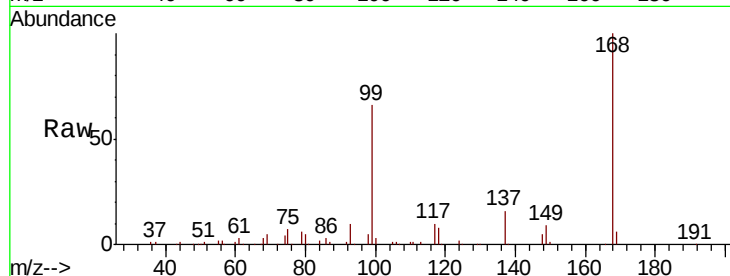
ClientSampleId :

Tot Ion:168 Resp: 798451

Ion Ratio Lower Upper

168 100

99 66.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

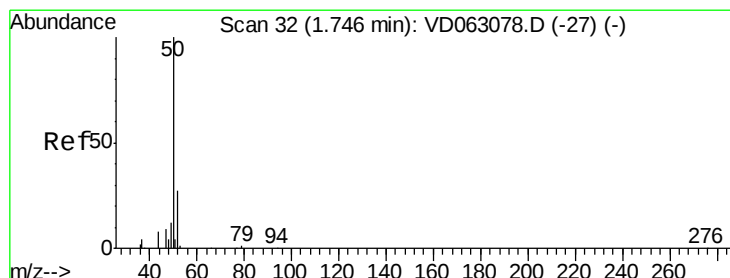
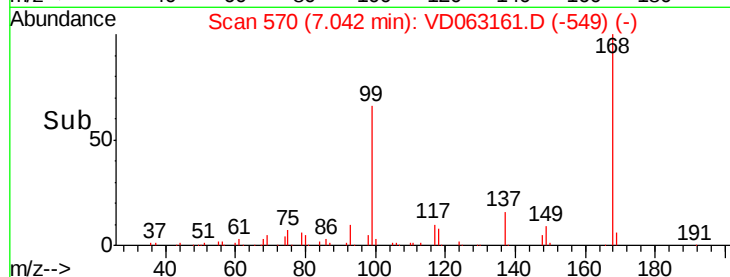
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063161.D

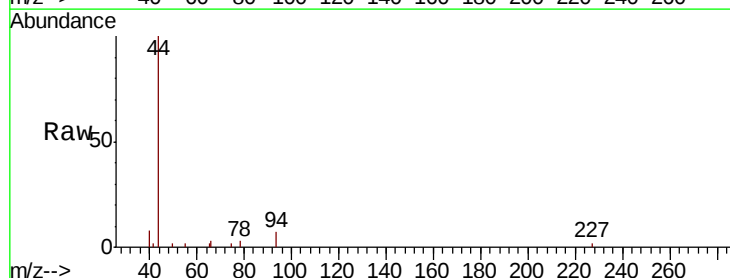
Acq: 19 Jul 2019 18:39

Tgt Ion: 50 Resp: 202

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

400

300

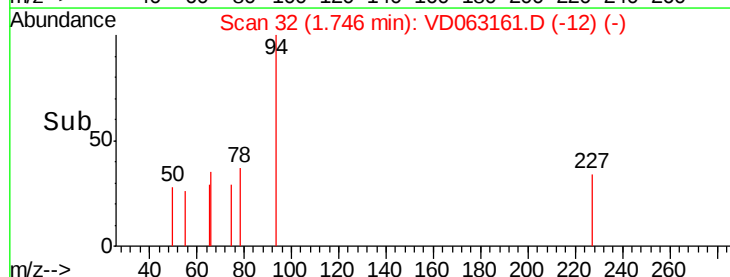
200

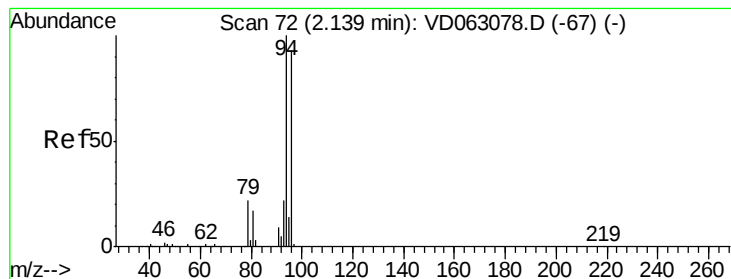
100

0

Time-->

1.73 1.74 1.75 1.76





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

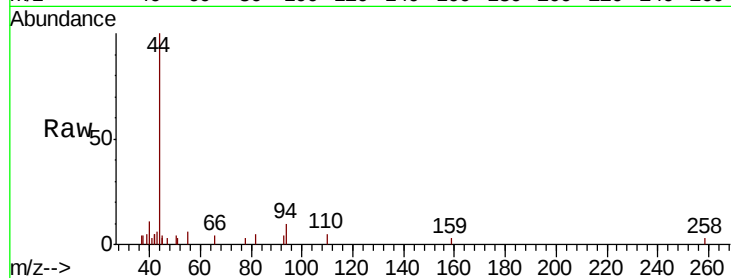
Tot Ion: 94 Resp: 689

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

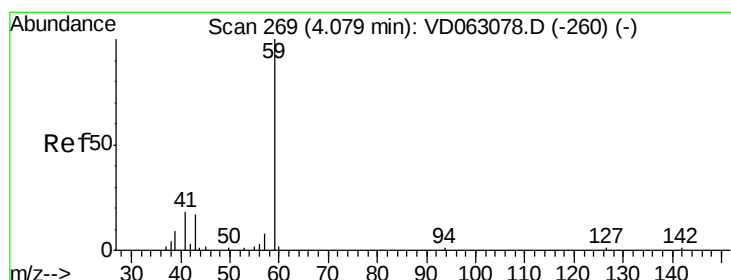
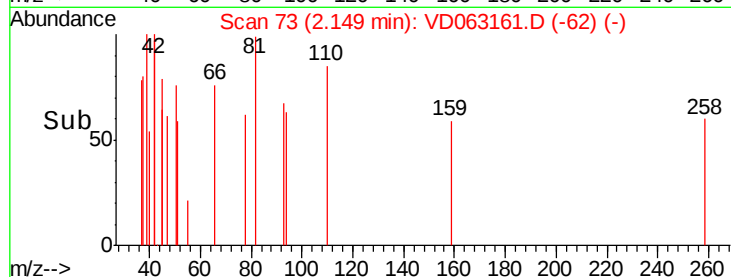
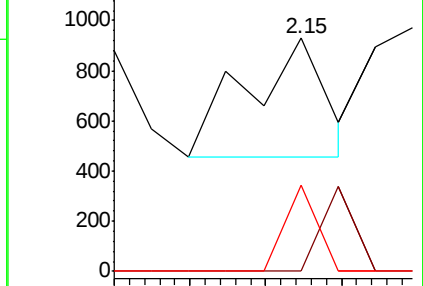
93 37.2 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#11

Tert butyl alcohol

Concen: 1.179 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.02 min

Lab File: VD063161.D

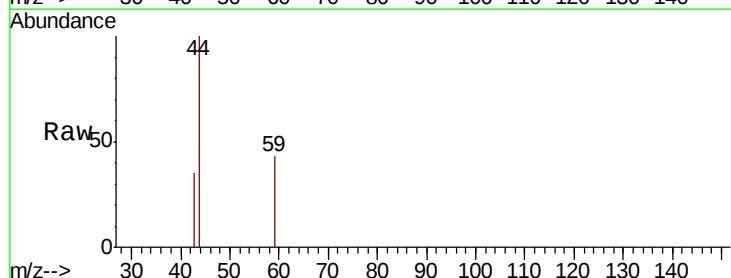
Acq: 19 Jul 2019 18:39

Tgt Ion: 59 Resp: 677

Ion Ratio Lower Upper

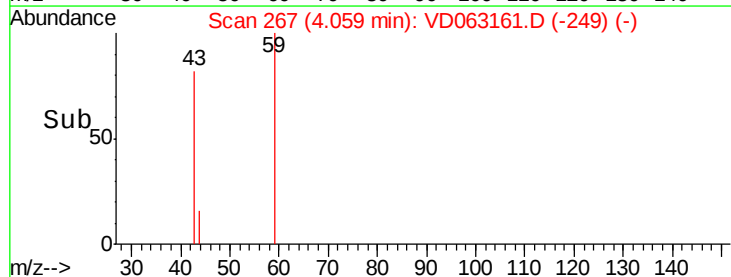
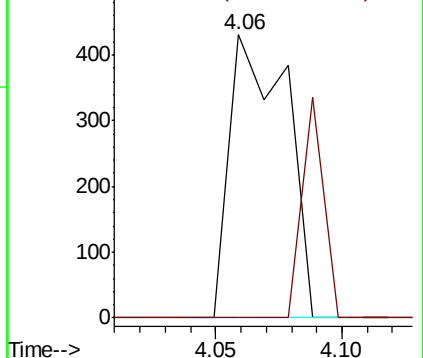
59 100

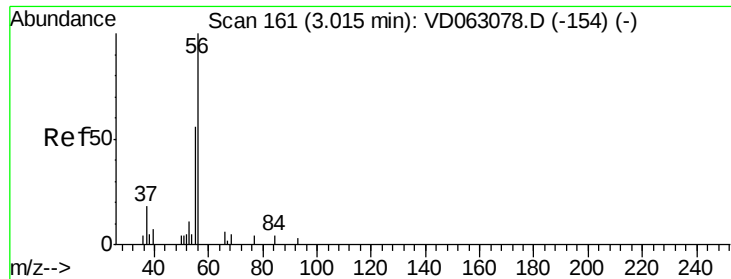
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.645 ug/l

RT: 3.03 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

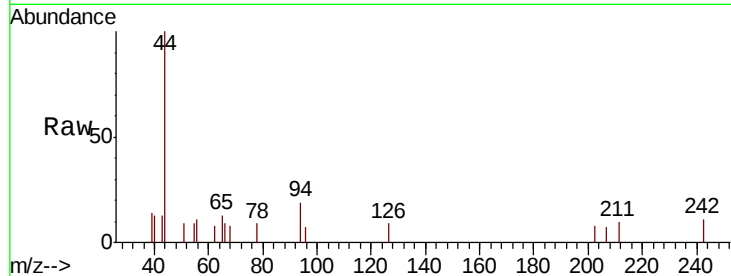
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 285

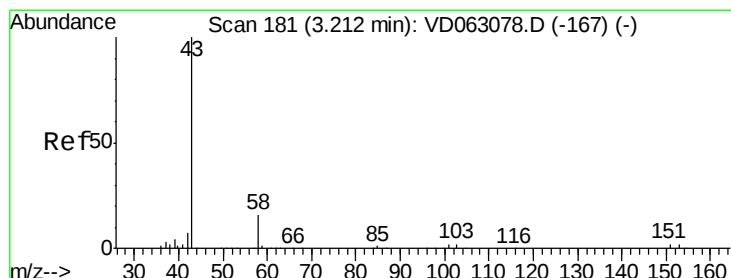
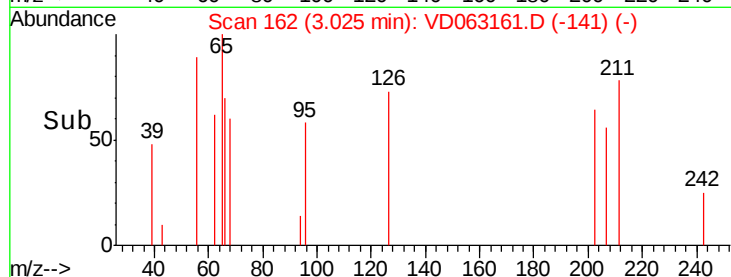
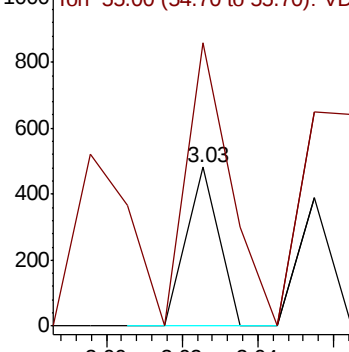
Ion Ratio Lower Upper

56 100

55 178.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 13.873 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD063161.D

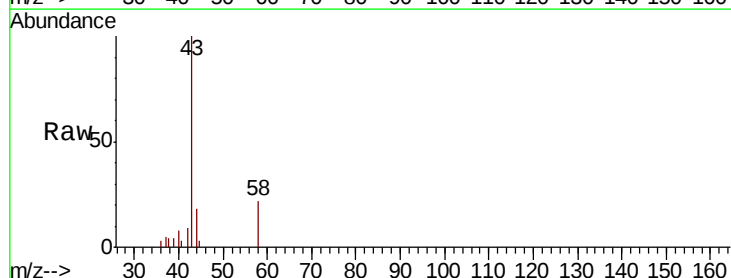
Acq: 19 Jul 2019 18:39

Tgt Ion: 43 Resp: 33328

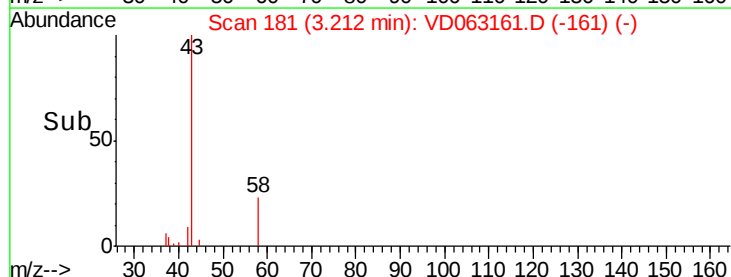
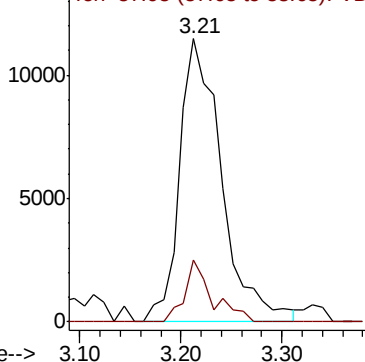
Ion Ratio Lower Upper

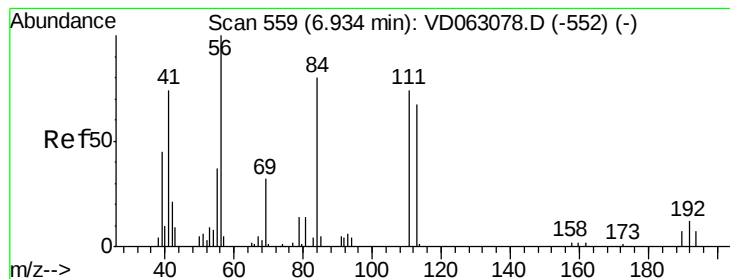
43 100

58 21.9 13.0 19.4#



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





#31

Cyclohexane

Concen: 1.902 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.10 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

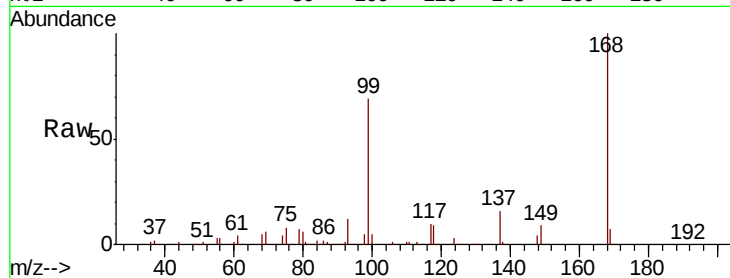
Tot Ion: 56 Resp: 18007

Ion Ratio Lower Upper

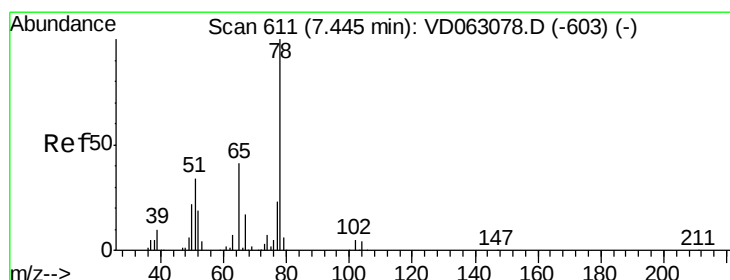
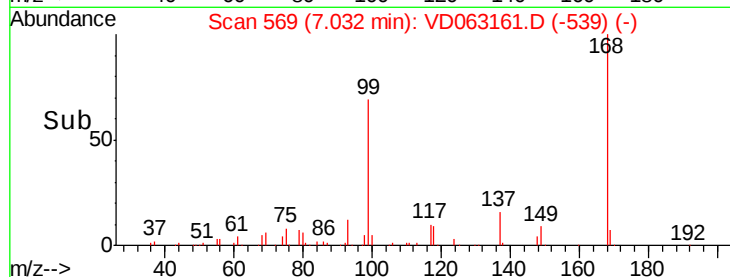
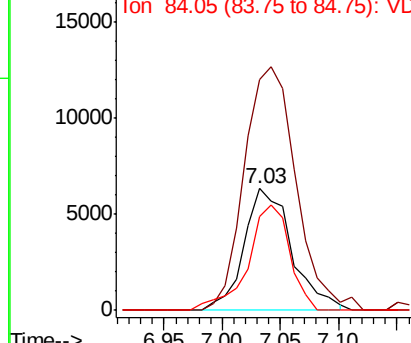
56 100

69 189.5 25.3 37.9#

84 77.6 64.2 96.4



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: 43.064 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063161.D

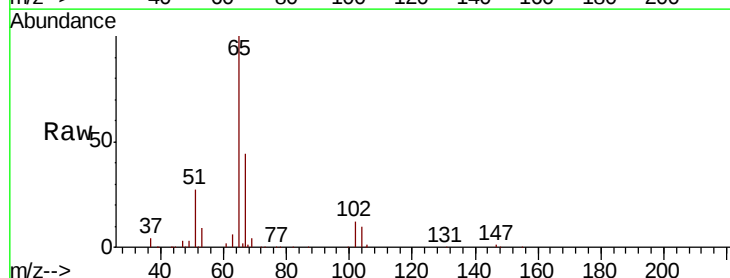
Acq: 19 Jul 2019 18:39

Tgt Ion: 65 Resp: 428321

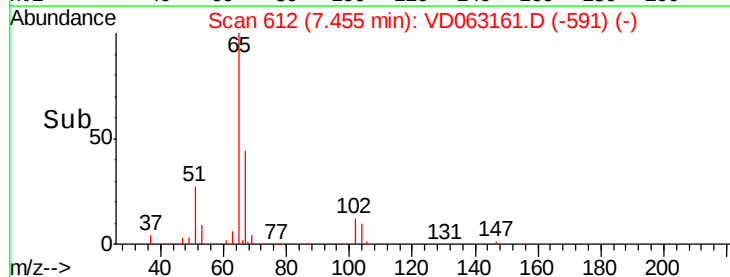
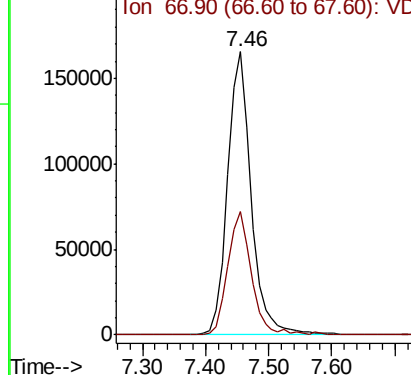
Ion Ratio Lower Upper

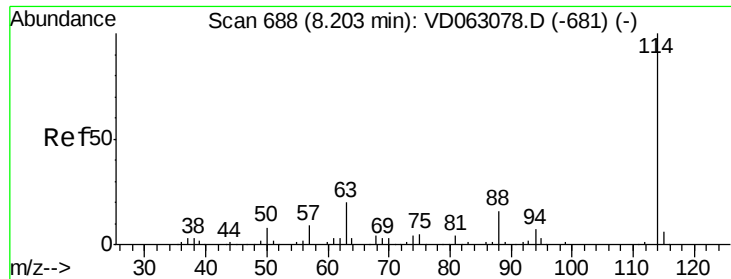
65 100

67 43.5 0.0 86.0



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

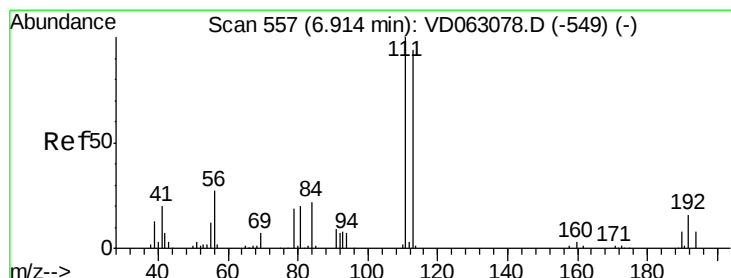
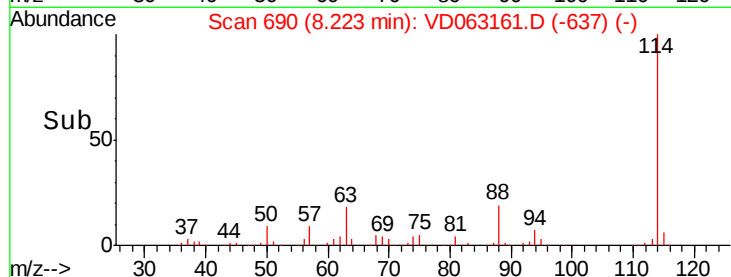
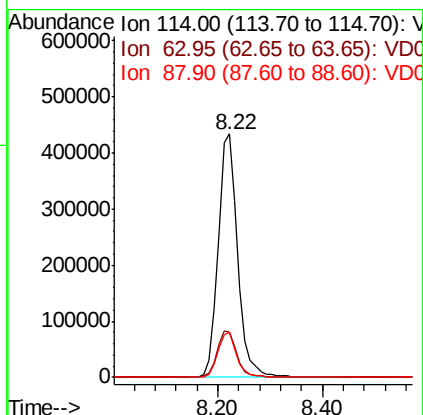
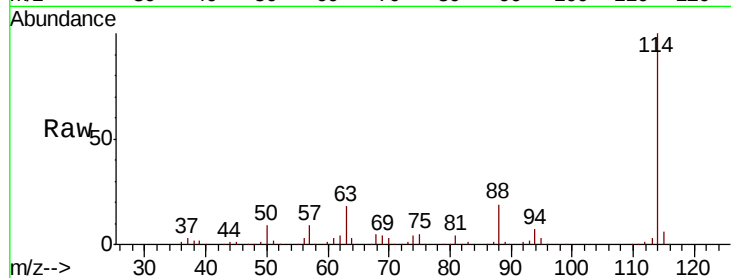




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063161.D
 Acq: 19 Jul 2019 18:39

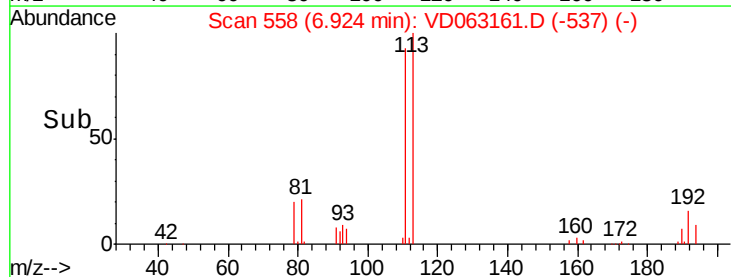
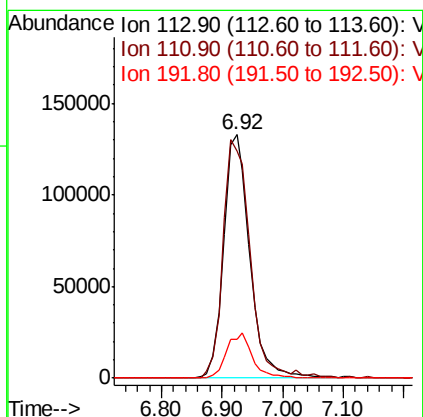
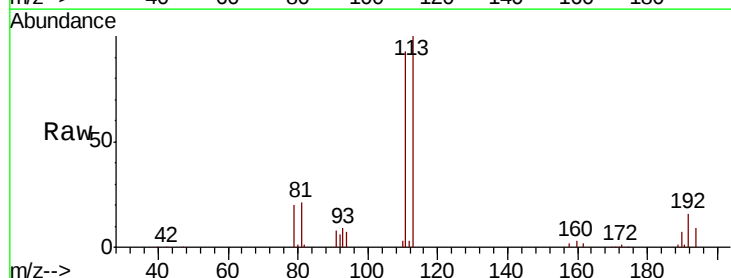
Instrument :
 MSVOA_D
 ClientSampled :

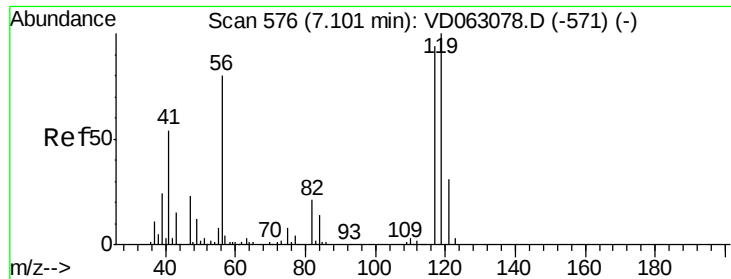
Tot Ion:114 Resp: 1125497
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.6
 88 18.7 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 35.432 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063161.D
 Acq: 19 Jul 2019 18:39

Tgt Ion:113 Resp: 397203
 Ion Ratio Lower Upper
 113 100
 111 93.3 84.8 127.2
 192 16.0 13.4 20.0

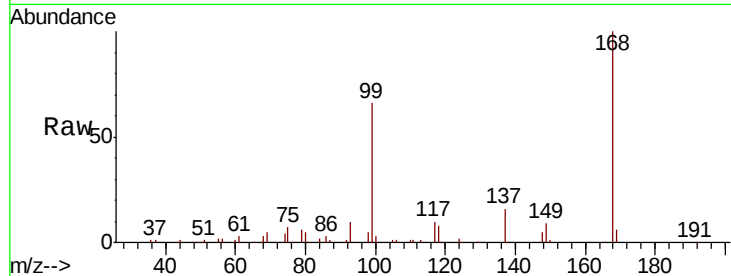




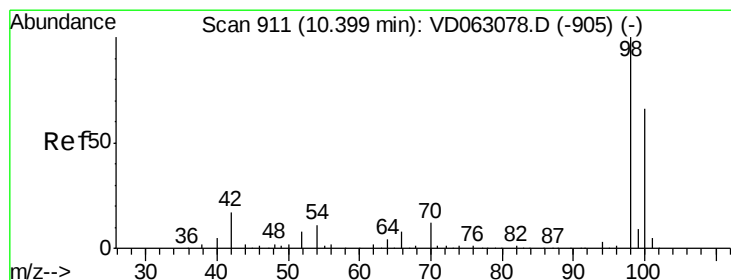
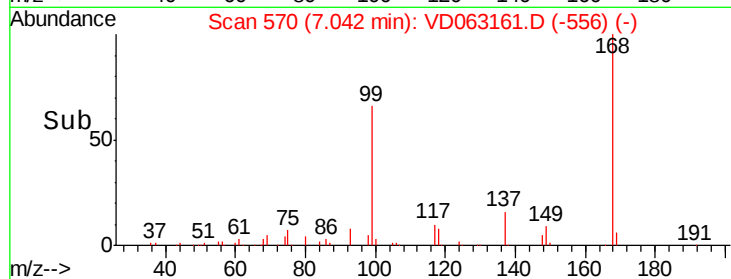
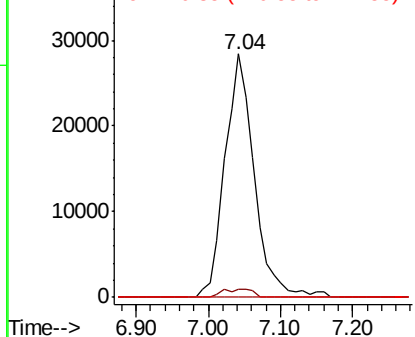
#38
Carbon Tetrachloride
Concen: 4.170 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063161.D
Acq: 19 Jul 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 80201
Ion Ratio Lower Upper
117 100
119 3.3 80.0 120.0#
121 0.0 25.0 37.4#

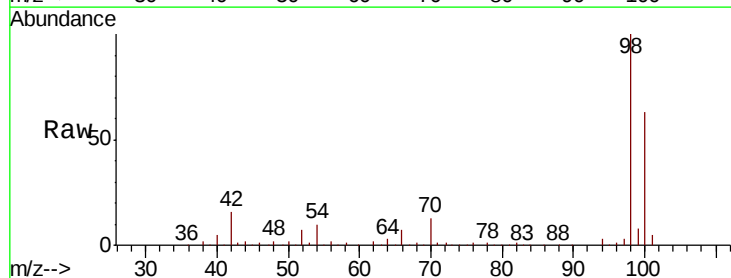


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

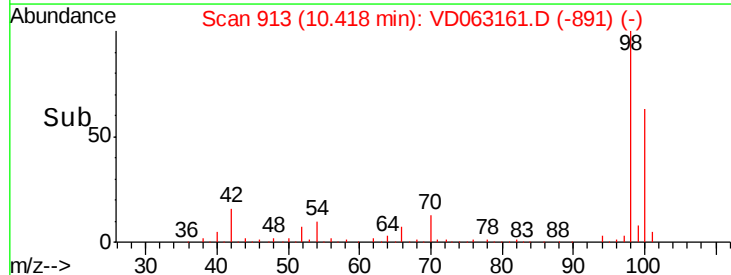
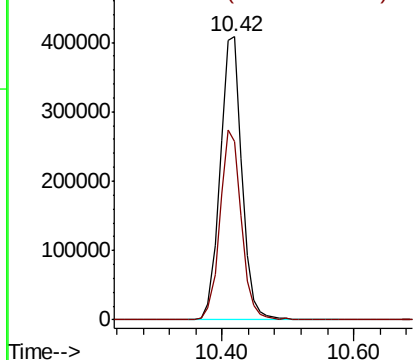


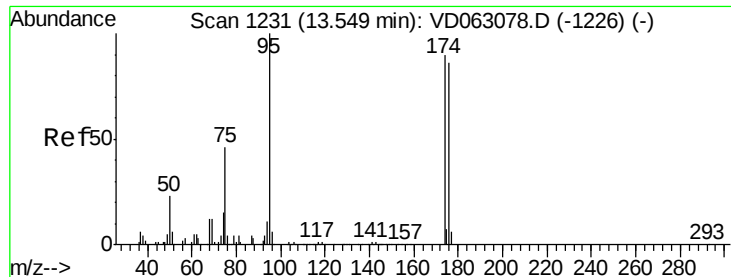
#50
Toluene-d8
Concen: 39.030 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063161.D
Acq: 19 Jul 2019 18:39

Tgt Ion: 98 Resp: 939835
Ion Ratio Lower Upper
98 100
100 62.9 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: 32.748 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

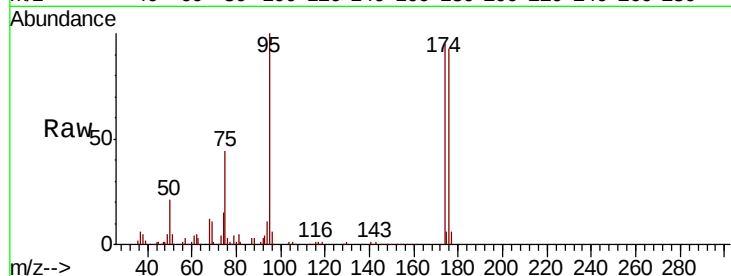
Tot Ion: 95 Resp: 364821

Ion Ratio Lower Upper

95 100

174 95.1 0.0 180.6

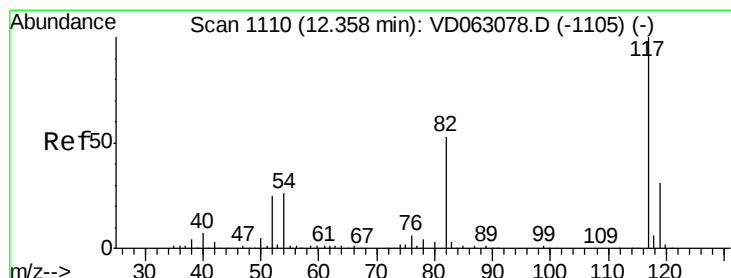
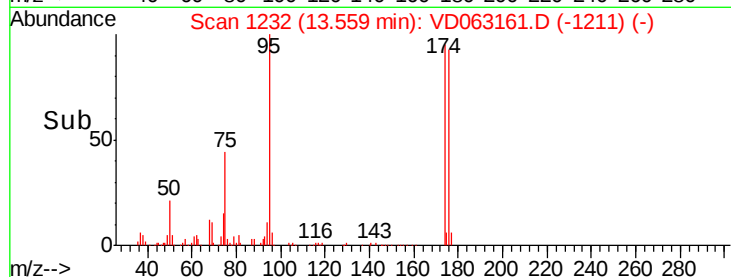
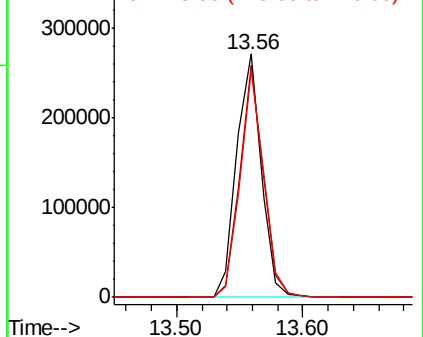
176 93.4 0.0 172.2



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: 12.37 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

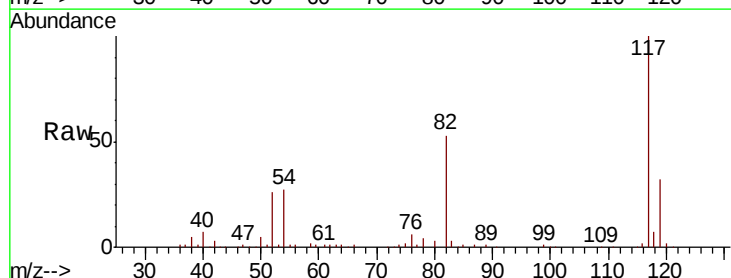
Tgt Ion: 117 Resp: 847459

Ion Ratio Lower Upper

117 100

82 52.8 42.3 63.5

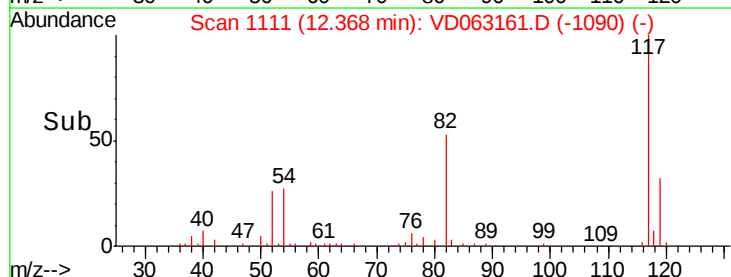
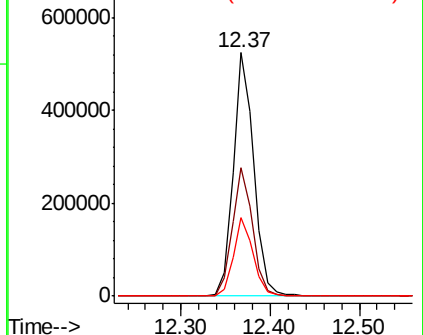
119 32.5 25.2 37.8

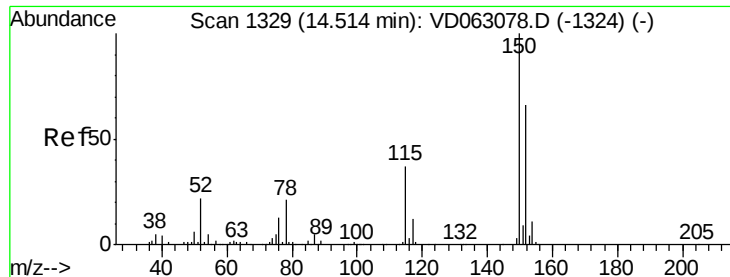


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.01 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

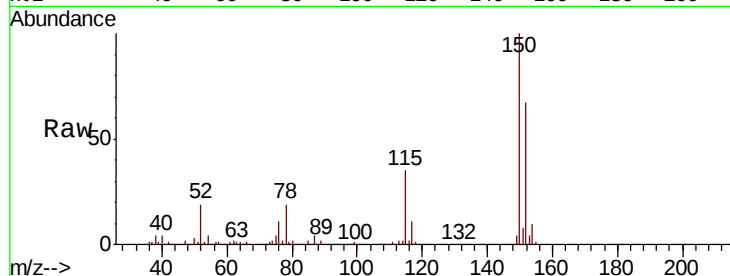
Tot Ion:152 Resp: 369598

Ion Ratio Lower Upper

152 100

115 51.5 28.9 86.8

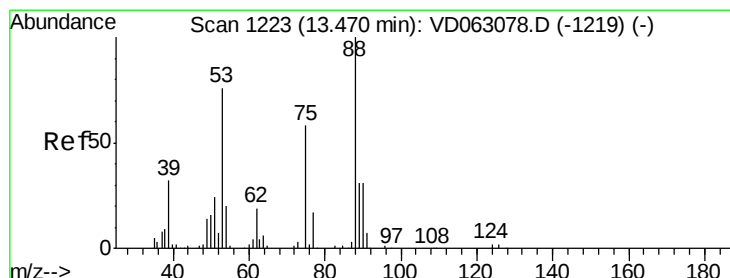
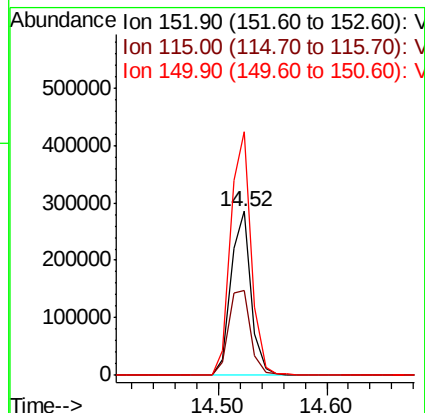
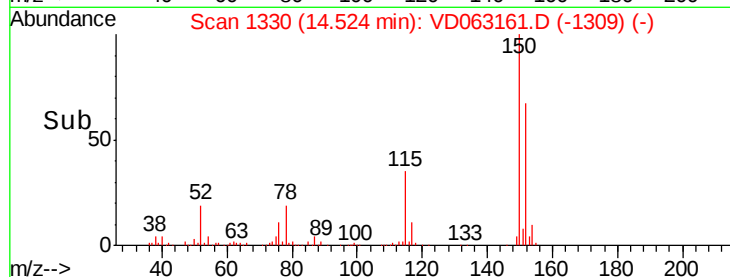
150 148.7 0.0 313.8



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: 111.534 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063161.D

Acq: 19 Jul 2019 18:39

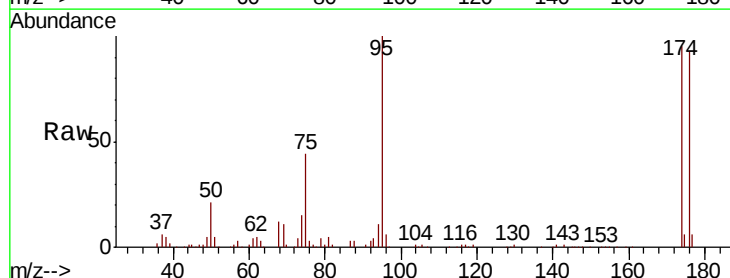
Tgt Ion: 75 Resp: 166989

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

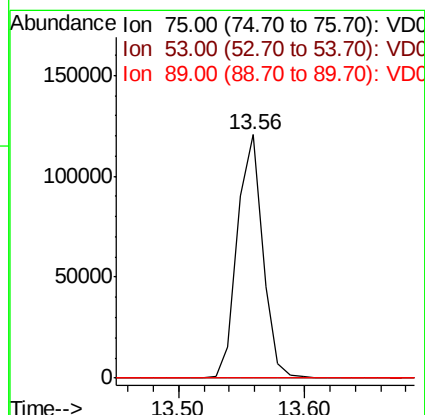
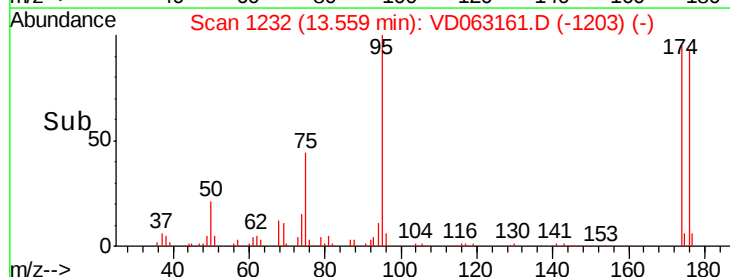
89 0.0 43.1 64.7#

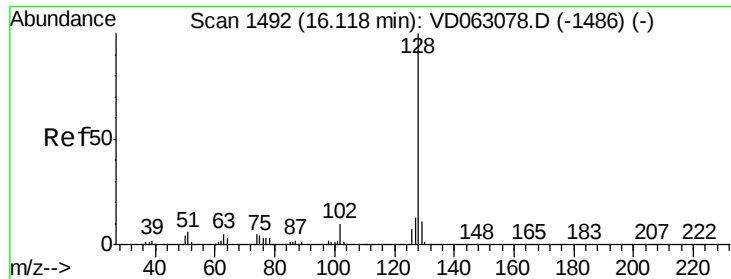


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
 Naphthalene
 Concen: 1.159 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD063161.D
 Acq: 19 Jul 2019 18:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.7	16.1#
129	14.3	8.7	13.1#

