

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063534.D
 Acq On : 13 Aug 2019 18:25
 Operator : JC/SY
 Sample : K4088-01
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:29:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

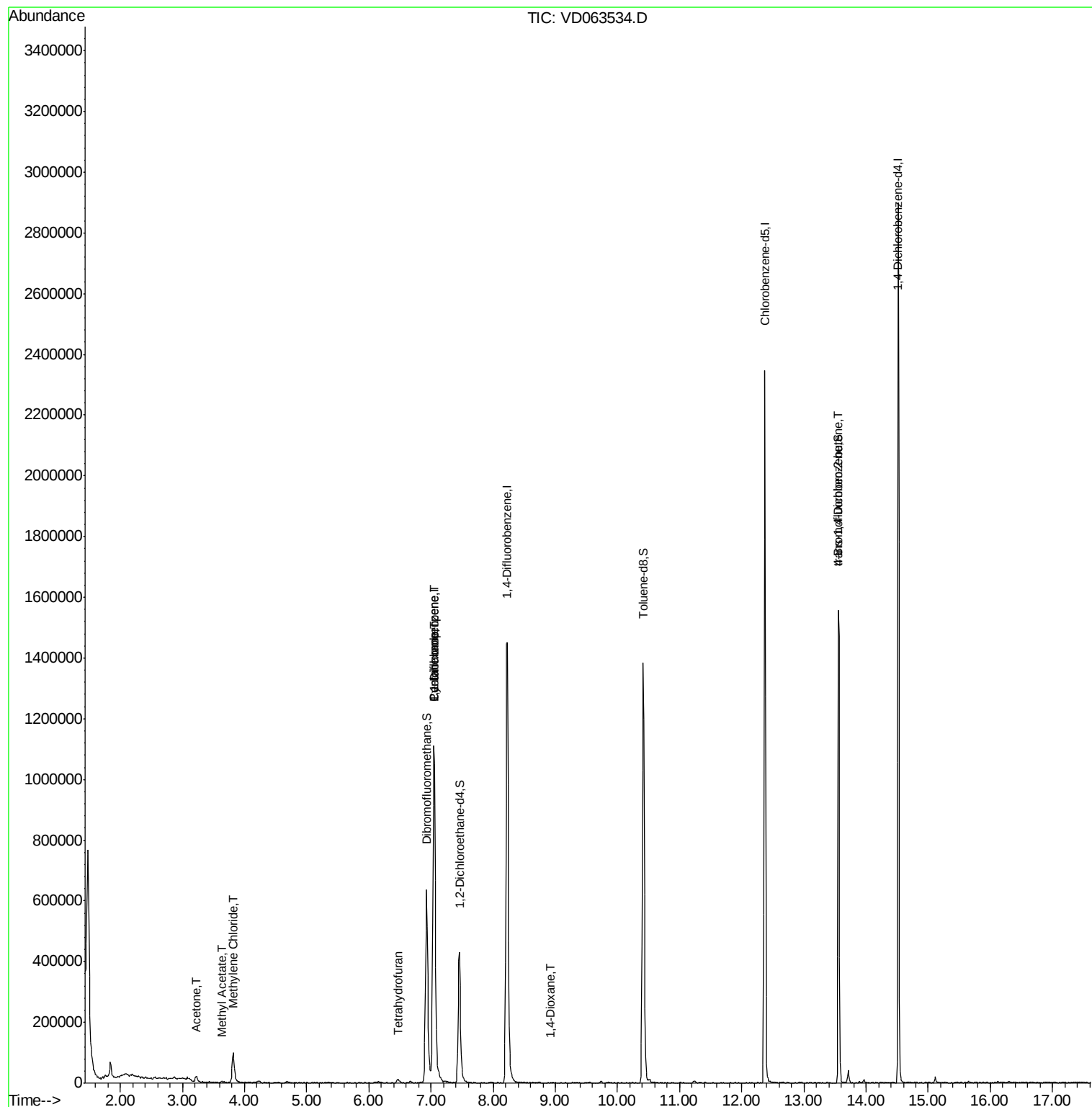
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1108885	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	1627266	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1279530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	613288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	484325	40.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.72%	
35) Dibromofluoromethane	6.93	113	539740	39.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.76%	
50) Toluene-d8	10.41	98	1147128	38.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.14%	
62) 4-Bromofluorobenzene	13.55	95	475321	34.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.62%	
Target Compounds						
16) Acetone	3.22	43	35888	14.894	ug/l	97
18) Methyl Acetate	3.64	43	5679	1.244	ug/l #	57
20) Methylene Chloride	3.82	84	58939	5.657	ug/l	95
29) Tetrahydrofuran	6.48	42	9591	8.649	ug/l	97
31) Cyclohexane	7.04	56	23897	2.233	ug/l #	24
36) 1,1-Dichloropropene	7.05	75	80249	5.579	ug/l #	50
49) 1,4-Dioxane	8.92	88	254	29.807	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.55	75	212263	112.204	ug/l #	1

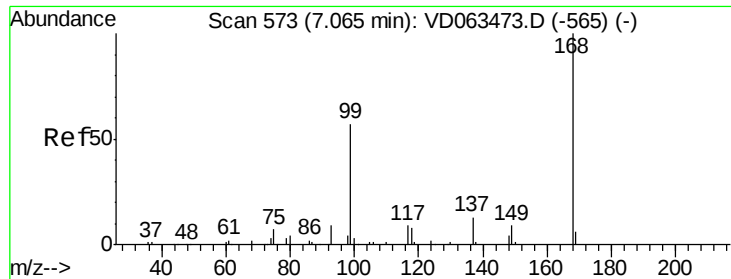
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063534.D
Acq On : 13 Aug 2019 18:25
Operator : JC/SY
Sample : K4088-01
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 14 08:29:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration



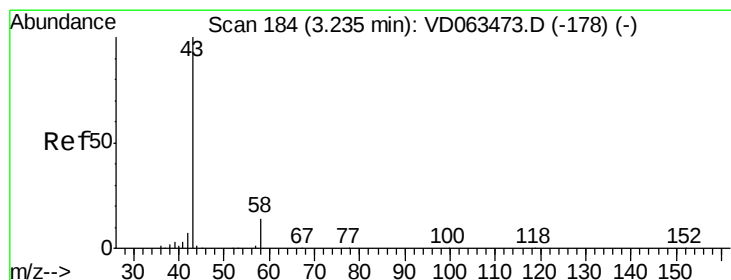
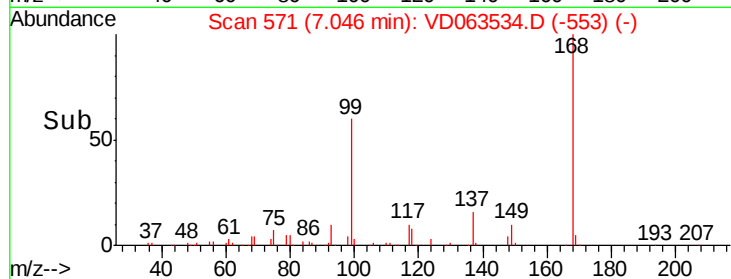
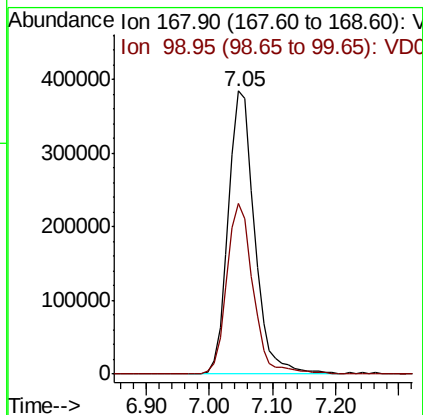
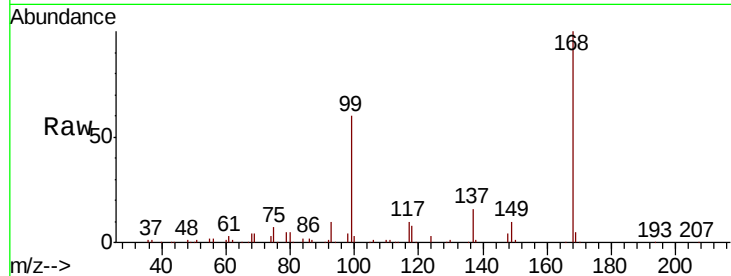


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.02 min
 Lab File: VD063534.D
 Acq: 13 Aug 2019 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

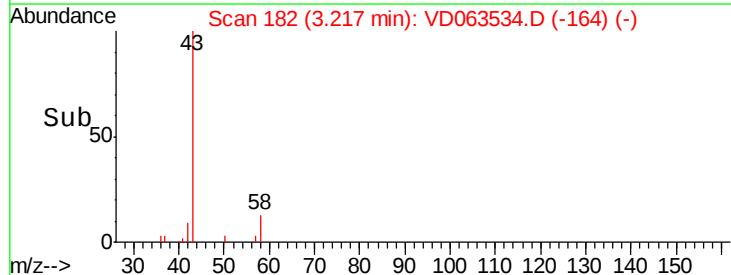
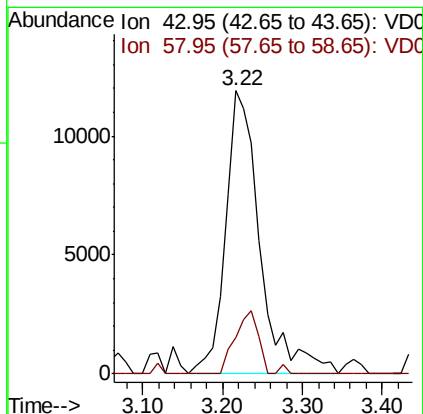
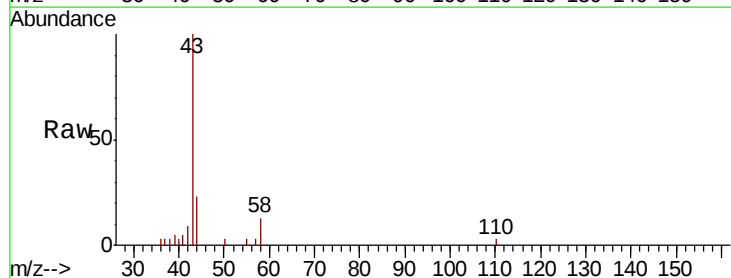
Tot Ion:168 Resp: 1108885
 Ion Ratio Lower Upper
 168 100
 99 60.2 46.7 70.1

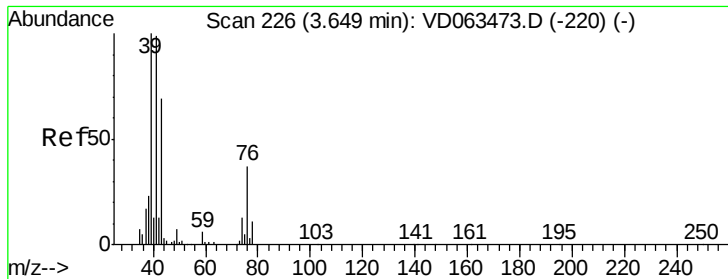


#16

Acetone
 Concen: 14.894 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063534.D
 Acq: 13 Aug 2019 18:25

Tgt Ion: 43 Resp: 35888
 Ion Ratio Lower Upper
 43 100
 58 12.9 11.4 17.2

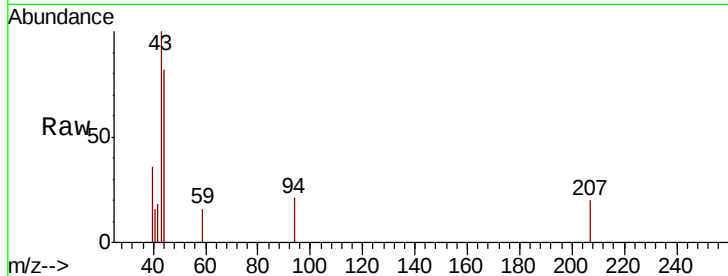




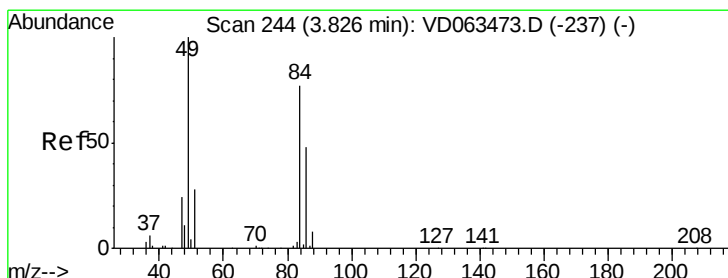
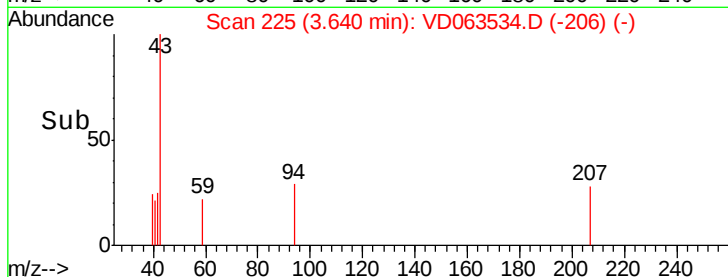
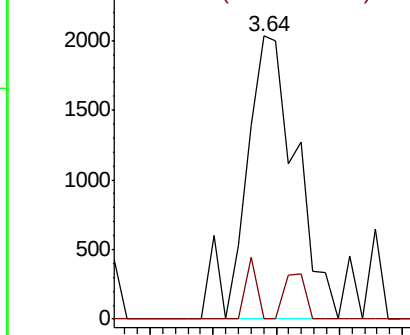
#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063534.D
Acq: 13 Aug 2019 18:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5679
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#

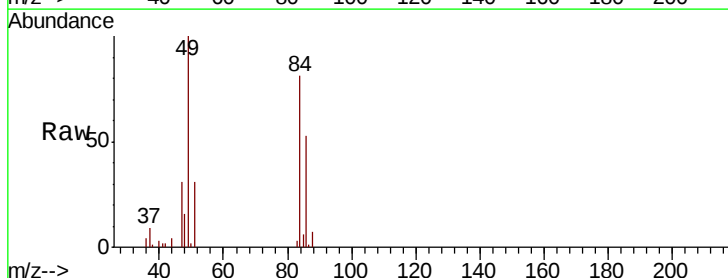


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

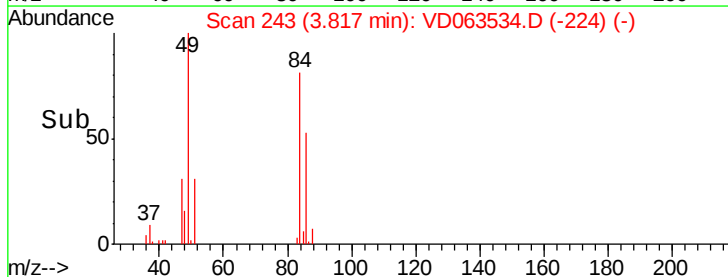
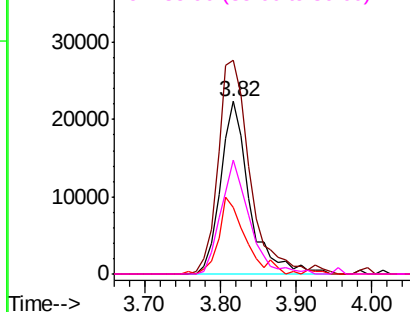


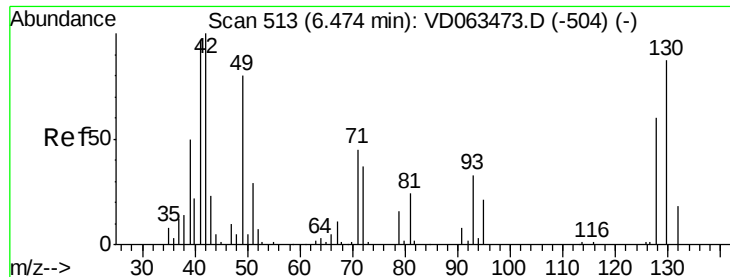
#20
Methylene Chloride
Concen: 5.657 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063534.D
Acq: 13 Aug 2019 18:25

Tgt Ion: 84 Resp: 58939
Ion Ratio Lower Upper
84 100
49 124.0 103.4 155.2
51 38.7 28.5 42.7
86 66.0 49.4 74.2



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





#29

Tetrahydrofuran

Concen: 8.649 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

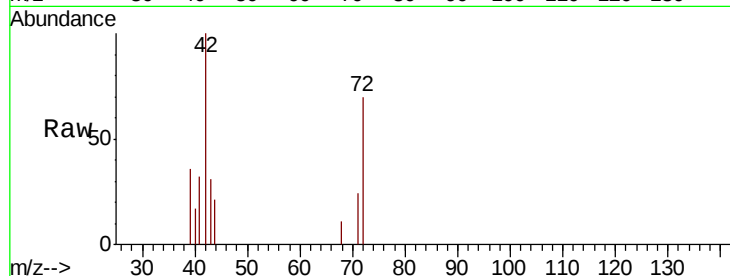
Tot Ion: 42 Resp: 9591

Ion Ratio Lower Upper

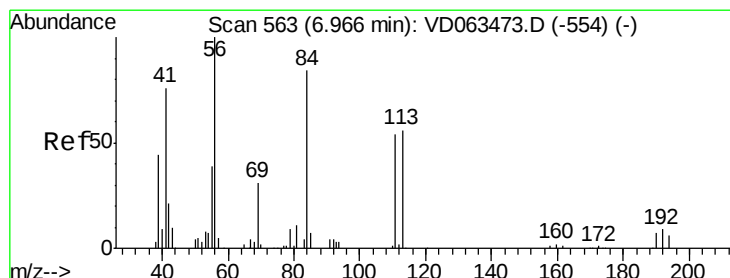
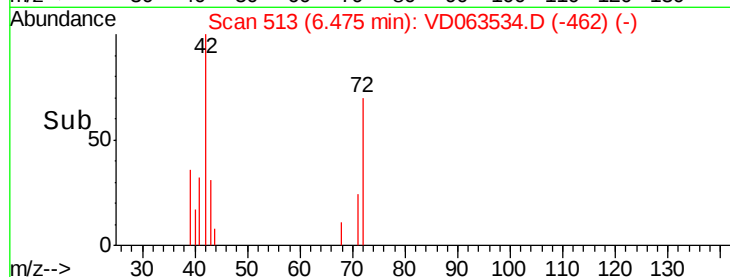
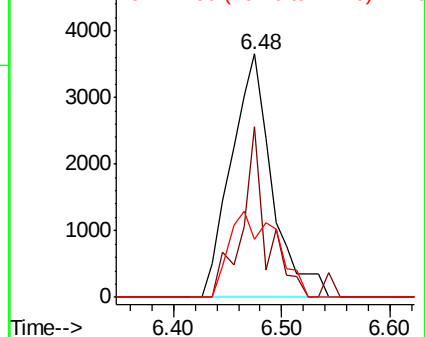
42 100

72 42.3 31.5 47.3

71 41.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.233 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

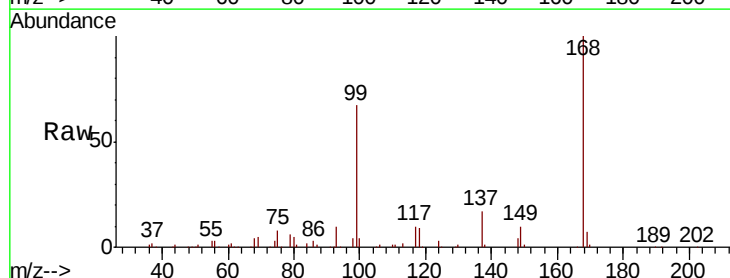
Tgt Ion: 56 Resp: 23897

Ion Ratio Lower Upper

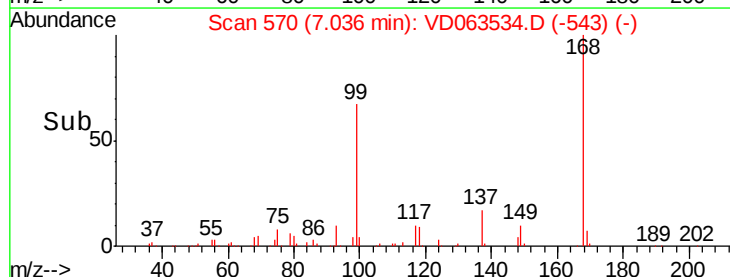
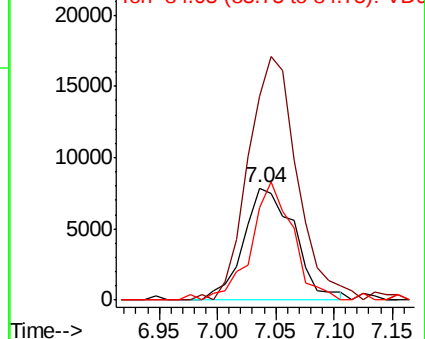
56 100

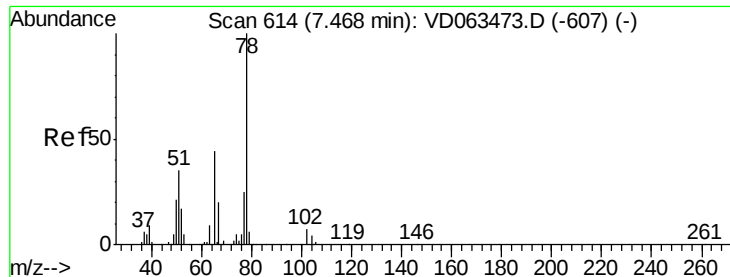
69 182.0 25.0 37.6#

84 82.5 69.7 104.5



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: 40.861 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

Instrument :

MSVOA_D

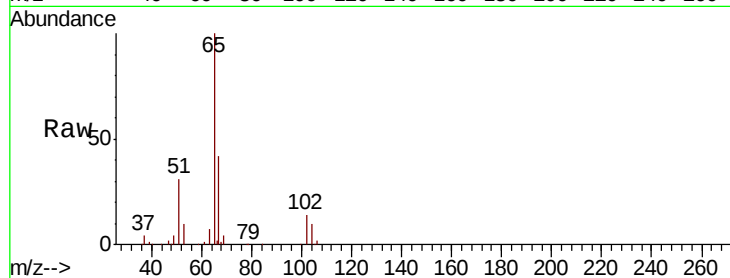
ClientSampled :

Tot Ion: 65 Resp: 484325

Ion Ratio Lower Upper

65 100

67 41.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

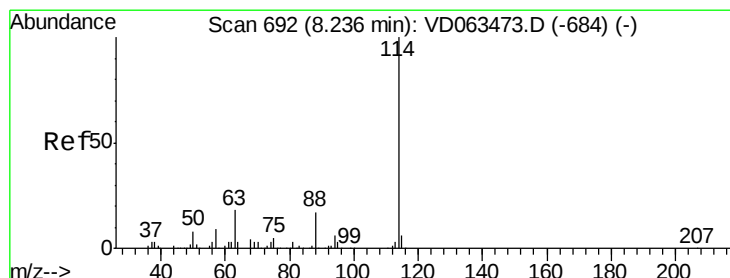
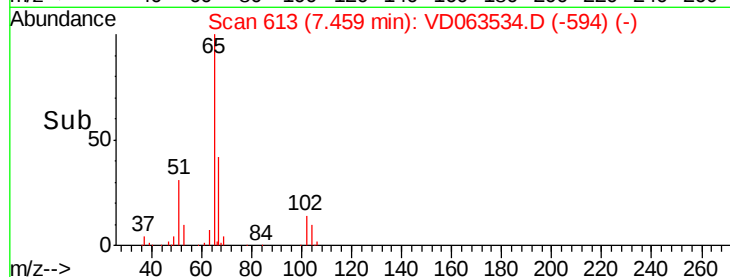
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

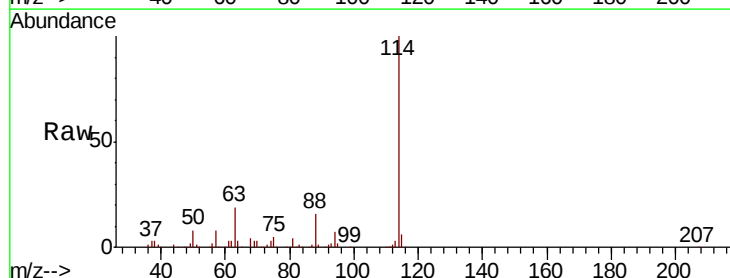
Tgt Ion: 114 Resp: 1627266

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.2

88 16.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

800000

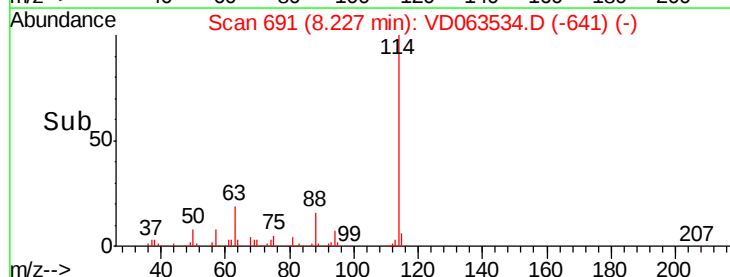
600000

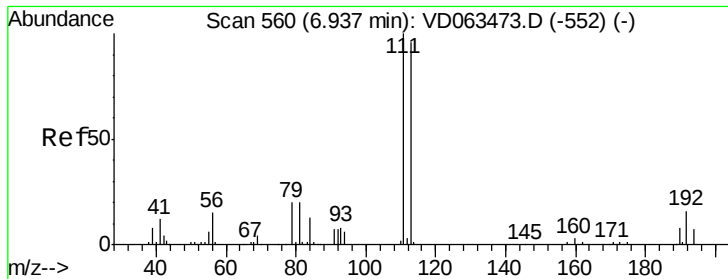
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 39.383 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

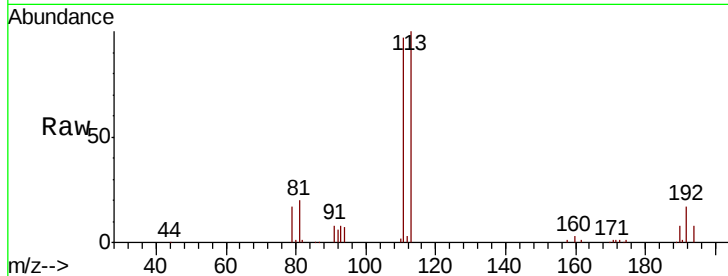
Tot Ion:113 Resp: 539740

Ion Ratio Lower Upper

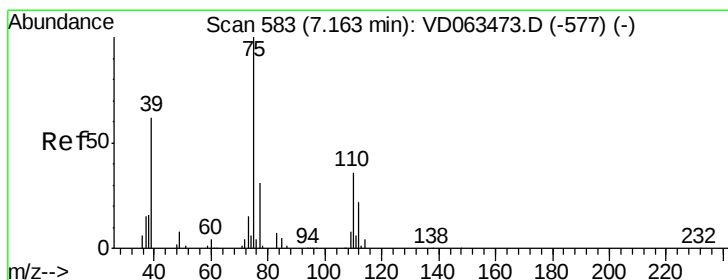
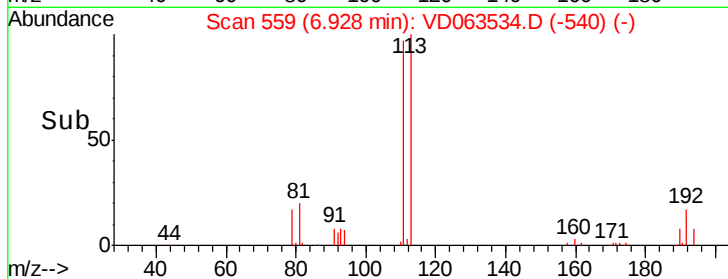
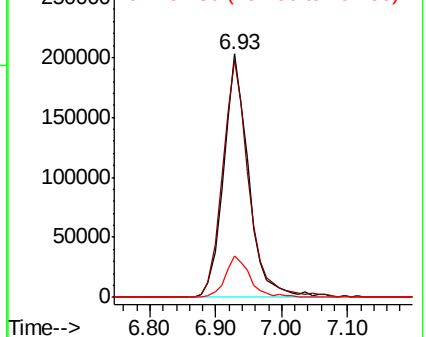
113 100

111 97.4 83.1 124.7

192 16.9 13.1 19.7



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: 5.579 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

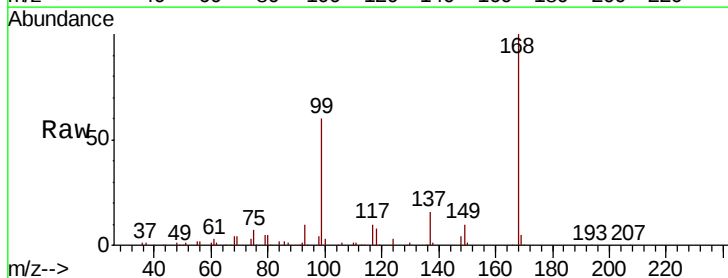
Tgt Ion: 75 Resp: 80249

Ion Ratio Lower Upper

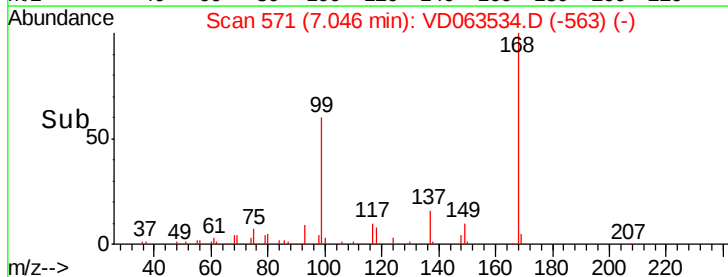
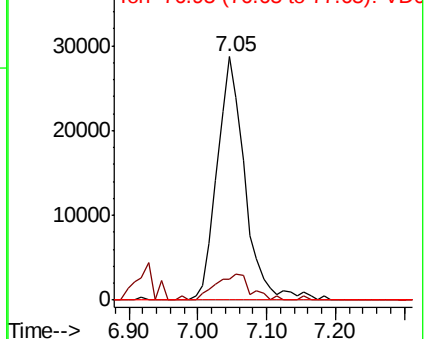
75 100

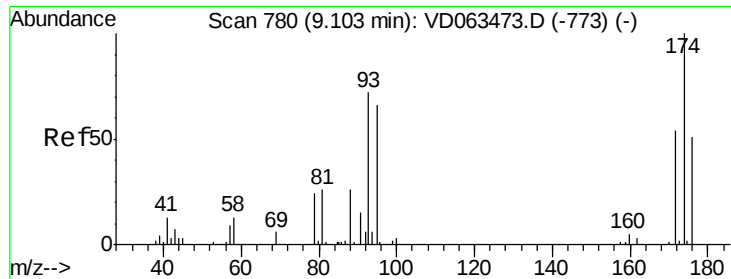
110 8.7 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

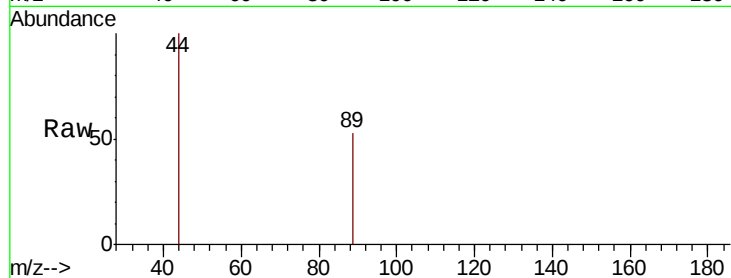




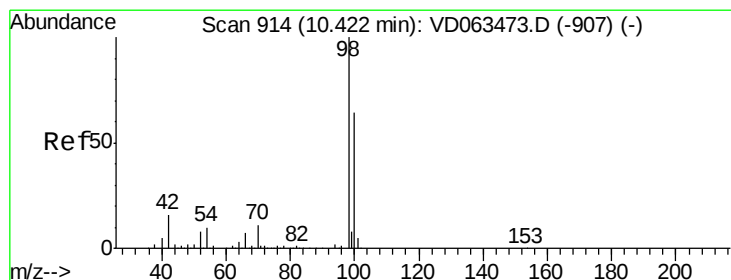
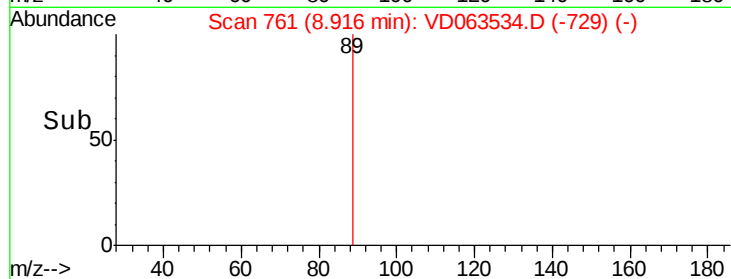
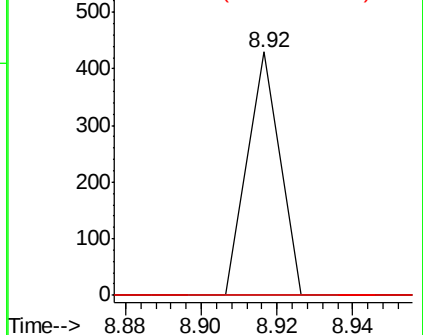
#49
 1,4-Dioxane
 Concen: 29.807 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. -0.19 min
 Lab File: VD063534.D
 Acq: 13 Aug 2019 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 254
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#

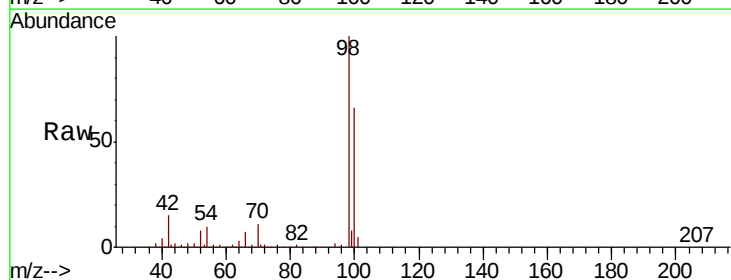


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

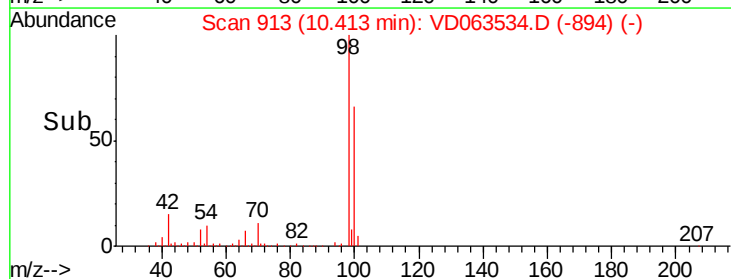
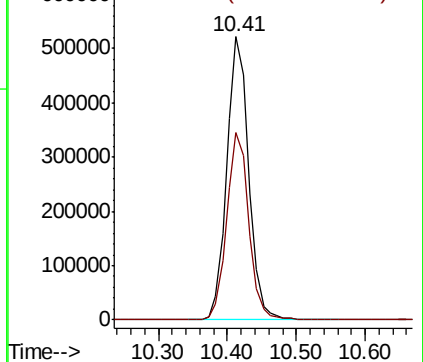


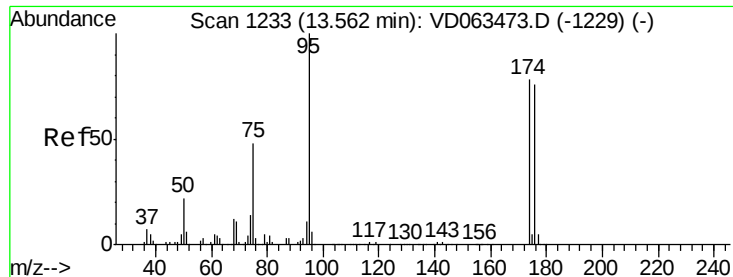
#50
 Toluene-d8
 Concen: 38.071 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063534.D
 Acq: 13 Aug 2019 18:25

Tgt Ion: 98 Resp: 1147128
 Ion Ratio Lower Upper
 98 100
 100 66.2 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 34.805 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

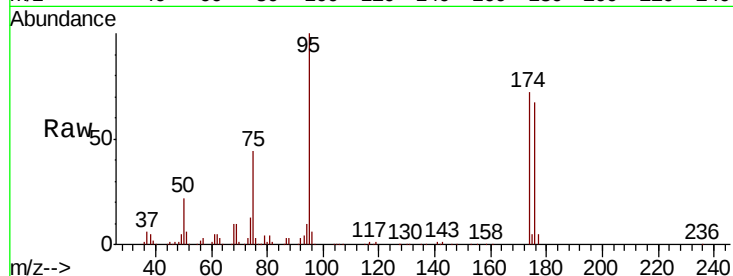
Tot Ion: 95 Resp: 475321

Ion Ratio Lower Upper

95 100

174 71.7 0.0 155.4

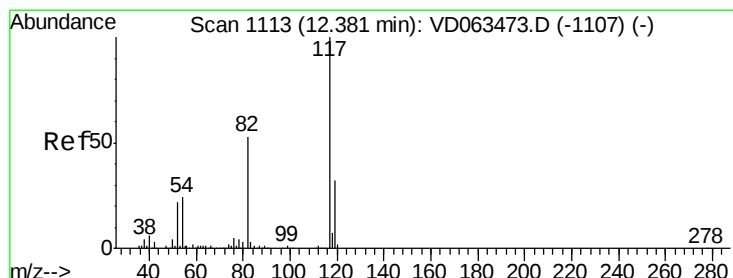
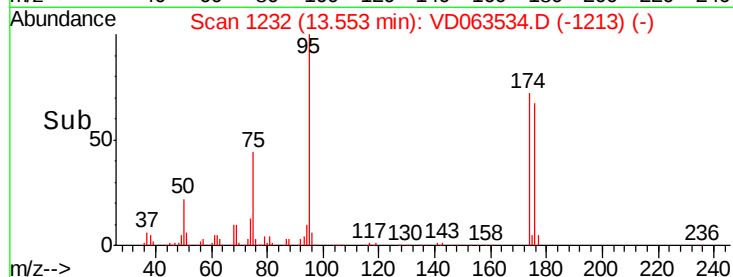
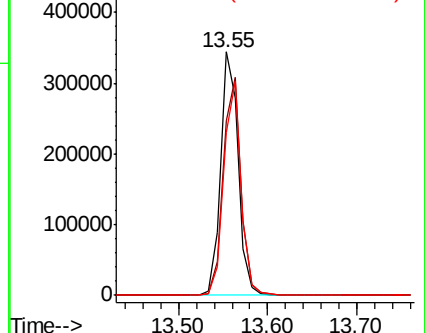
176 66.9 0.0 152.4



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: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

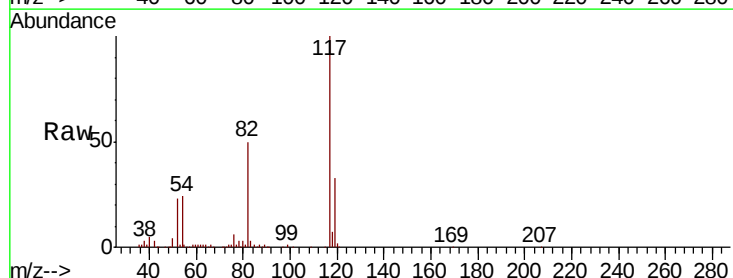
Tgt Ion: 117 Resp: 1279530

Ion Ratio Lower Upper

117 100

82 50.2 42.0 63.0

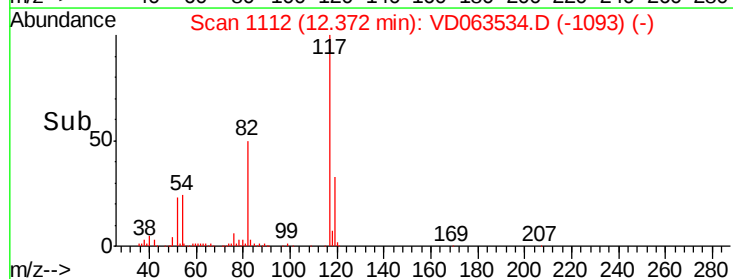
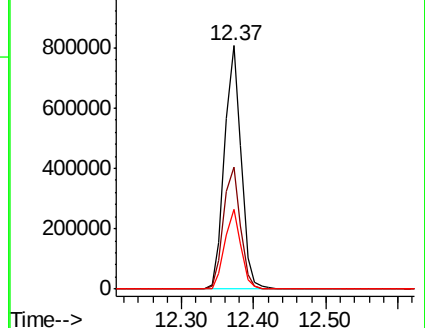
119 32.6 25.4 38.0

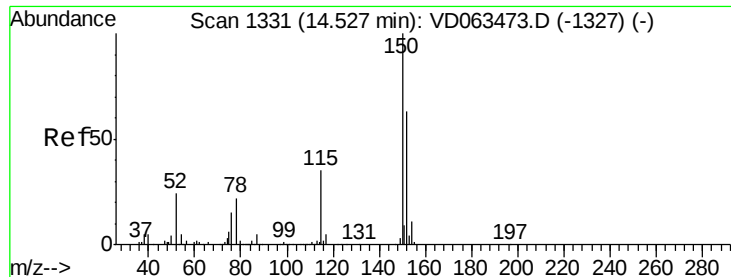


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063534.D

Acq: 13 Aug 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

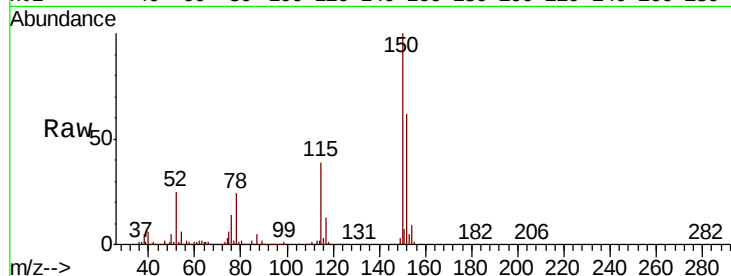
Tot Ion:152 Resp: 613288

Ion Ratio Lower Upper

152 100

115 62.9 30.9 92.7

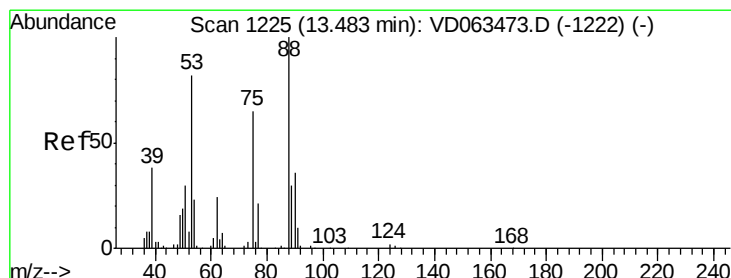
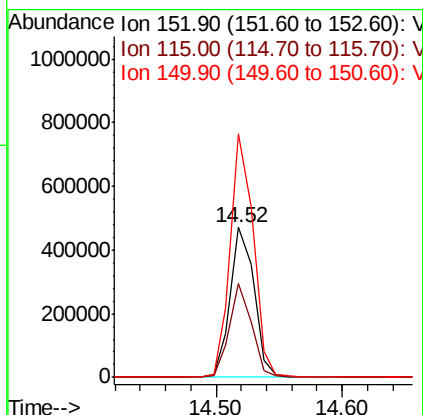
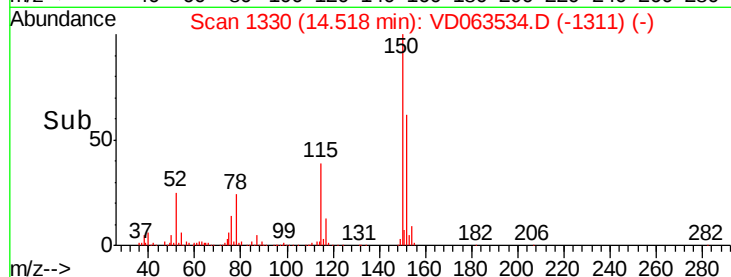
150 162.5 0.0 318.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 112.204 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063534.D

Acq: 13 Aug 2019 18:25

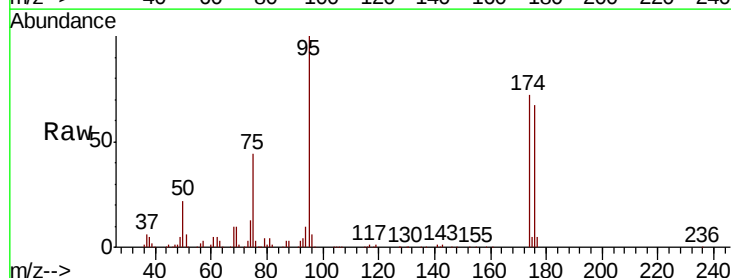
Tgt Ion: 75 Resp: 212263

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

