

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063665.D
 Acq On : 19 Aug 2019 18:40
 Operator : JC/SY
 Sample : K4401-03
 Misc : 6.69g/5ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1359B

Quant Time: Aug 20 08:16:47 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	7.04	168	1017039	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1426604	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1149138	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	456138	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	575523	52.94	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	105.88%	
35) Dibromofluoromethane	6.91	113	425010	35.37	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	70.74%	
50) Toluene-d8	10.40	98	1243454	47.07	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	13.55	95	480308	40.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.24%	

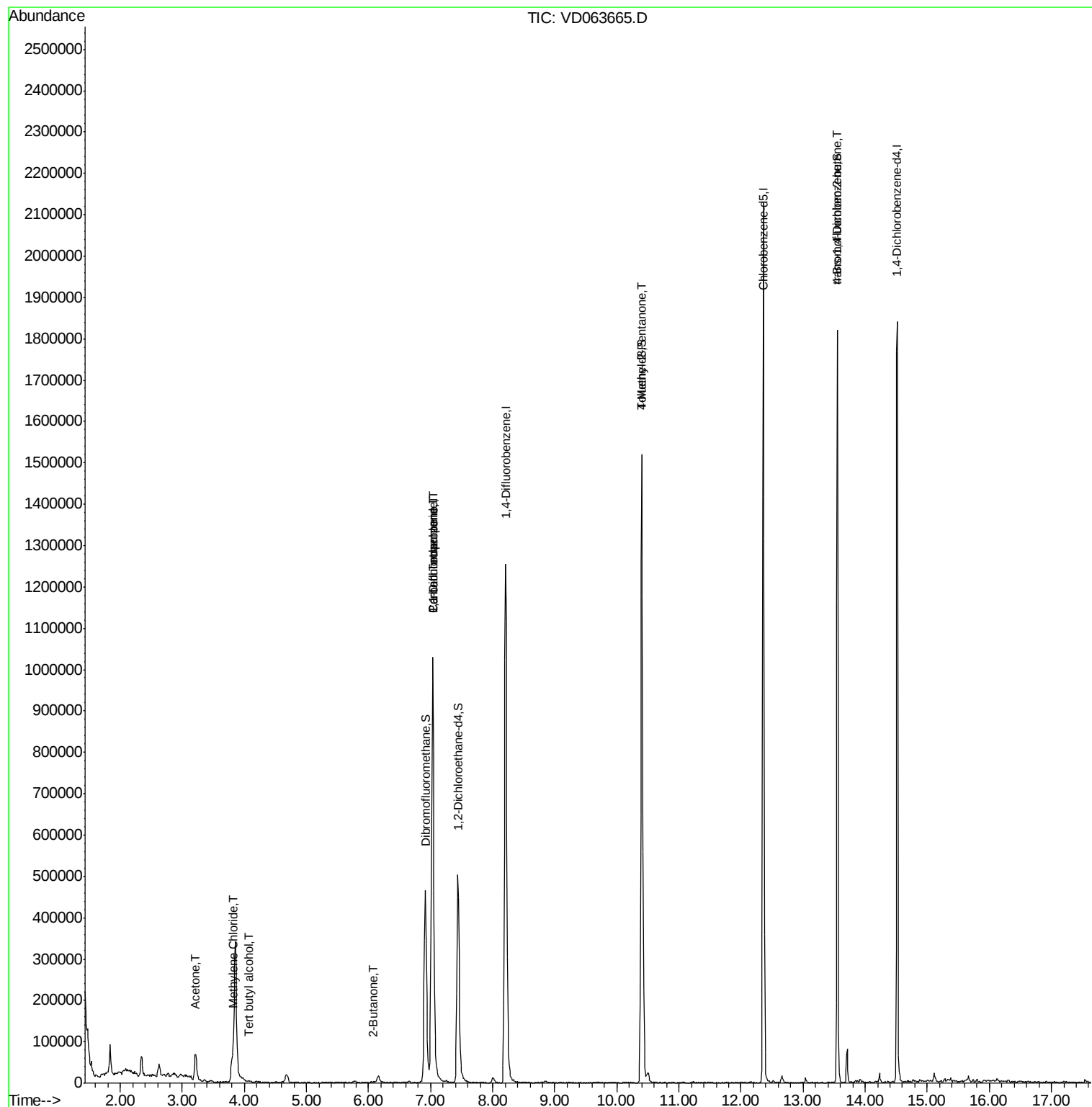
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	1037	2.191	ug/l #	71
16) Acetone	3.21	43	125498	56.788	ug/l	94
20) Methylene Chloride	3.81	84	30663	3.209	ug/l #	97
25) 2-Butanone	6.07	43	5041	2.310	ug/l #	58
36) 1,1-Dichloropropene	7.04	75	76161	6.039	ug/l #	51
38) Carbon Tetrachloride	7.04	117	97170	5.112	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	7865	1.624	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	213564	151.785	ug/l #	1

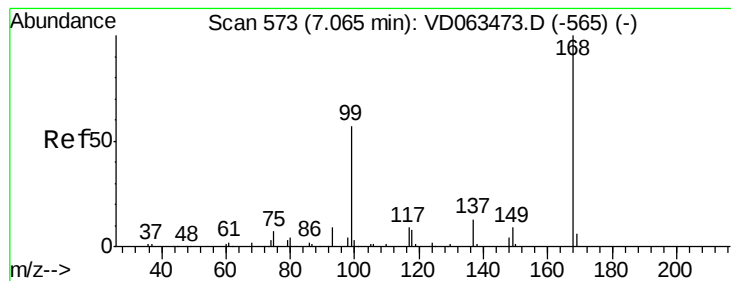
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
Data File : VD063665.D
Acq On : 19 Aug 2019 18:40
Operator : JC/SY
Sample : K4401-03
Misc : 6.69g/5ml/MSVOA_D/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1359B

Quant Time: Aug 20 08:16:47 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: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

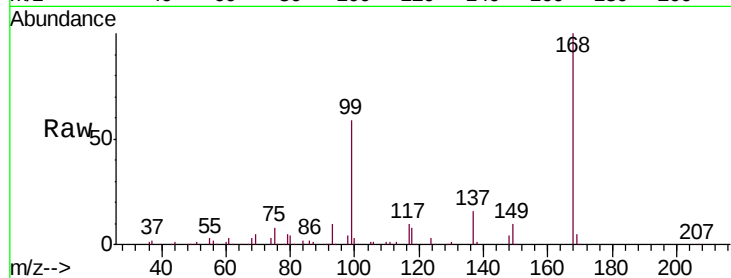
TP-1359B

Tgt Ion:168 Resp: 1017039

Ion Ratio Lower Upper

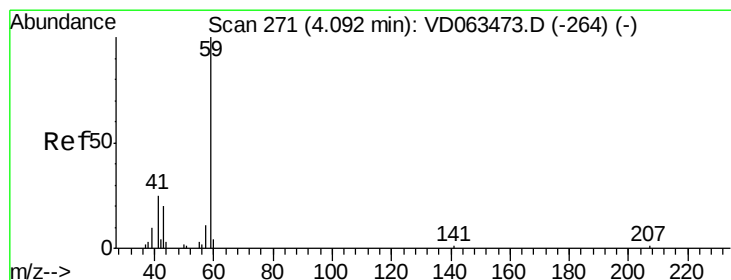
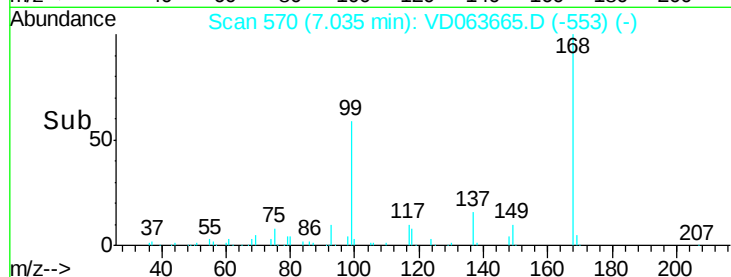
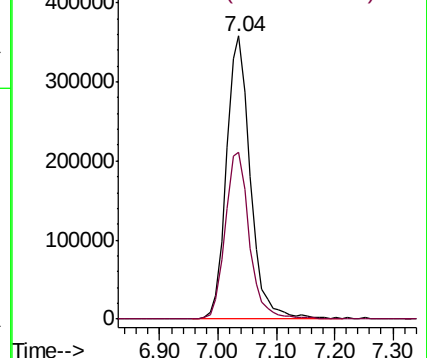
168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.191 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063665.D

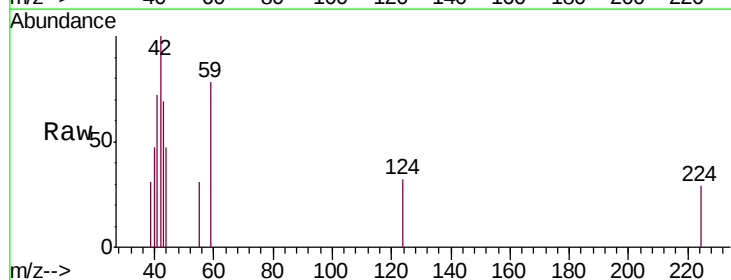
Acq: 19 Aug 2019 18:40

Tgt Ion: 59 Resp: 1037

Ion Ratio Lower Upper

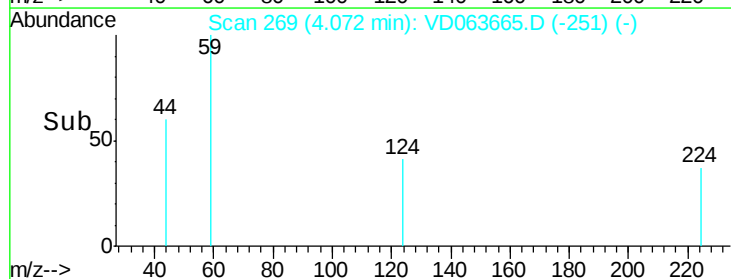
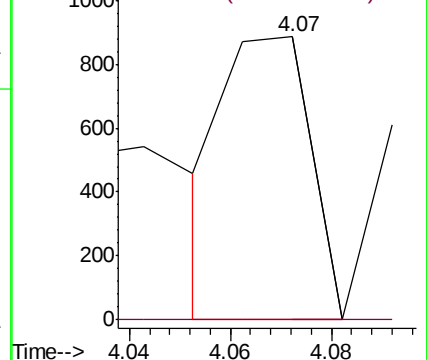
59 100

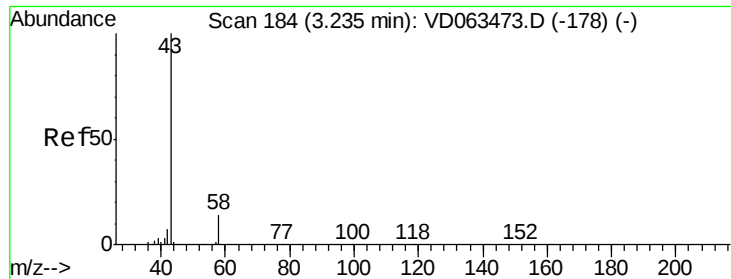
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

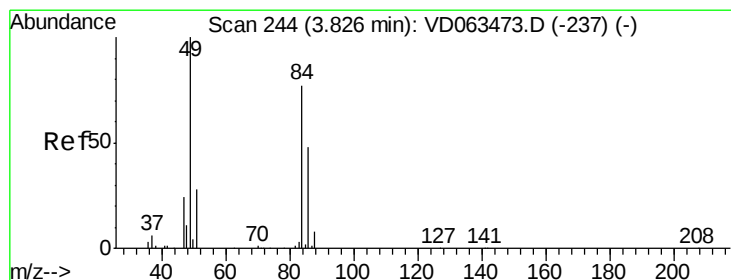
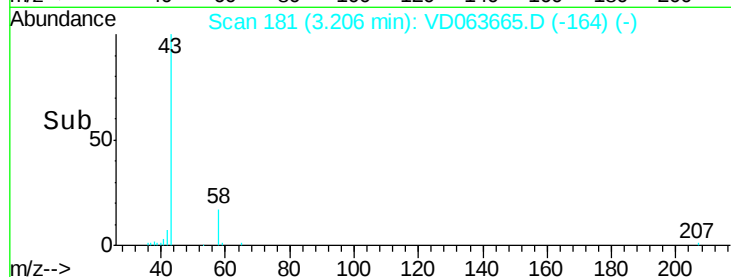
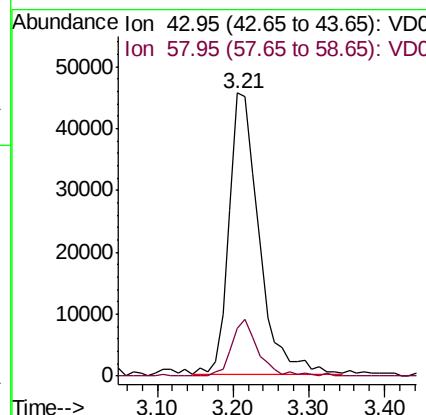
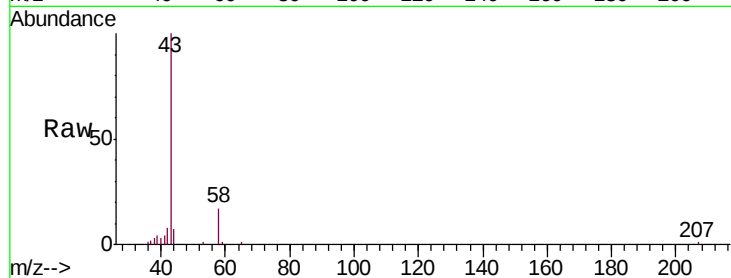




#16
Acetone
Concen: 56.788 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063665.D
Acq: 19 Aug 2019 18:40

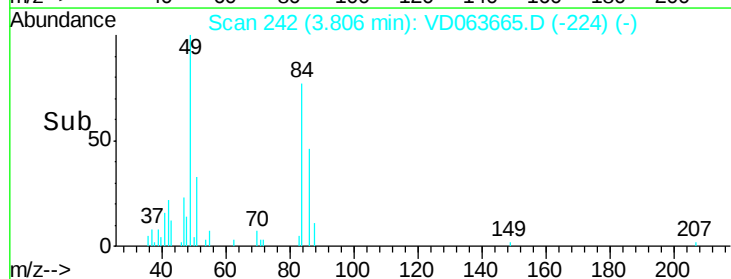
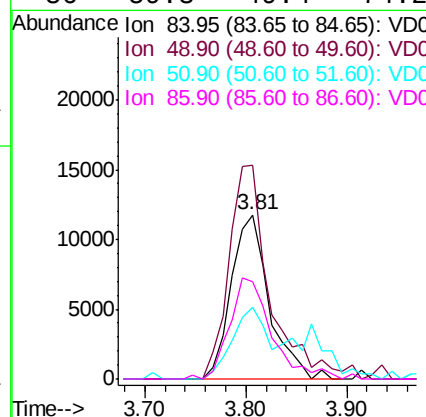
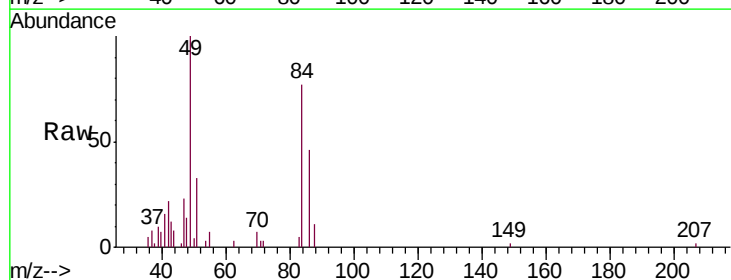
Instrument :
MSVOA_D
ClientSampleId :
TP-1359B

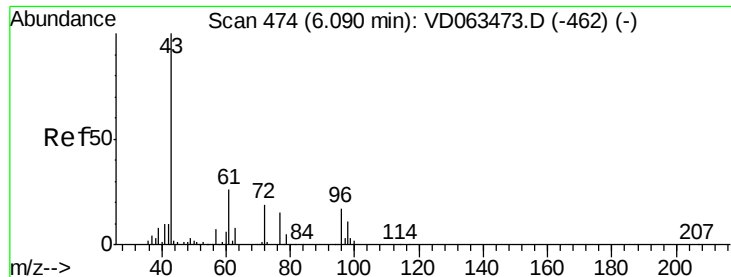
Tgt Ion: 43 Resp: 125498
Ion Ratio Lower Upper
43 100
58 16.8 11.4 17.2



#20
Methylene Chloride
Concen: 3.209 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063665.D
Acq: 19 Aug 2019 18:40

Tgt Ion: 84 Resp: 30663
Ion Ratio Lower Upper
84 100
49 130.0 103.4 155.2
51 43.4 28.5 42.7#
86 59.3 49.4 74.2





#25

2-Butanone

Concen: 2.310 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

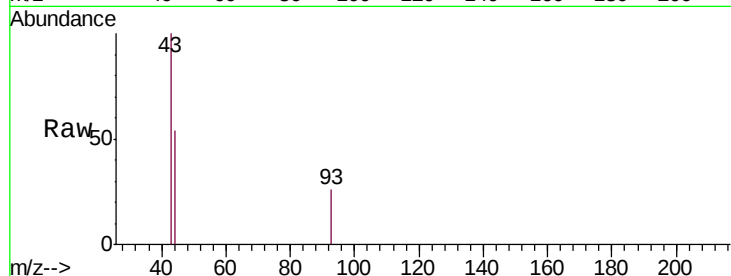
TP-1359B

Tgt Ion: 43 Resp: 5041

Ion Ratio Lower Upper

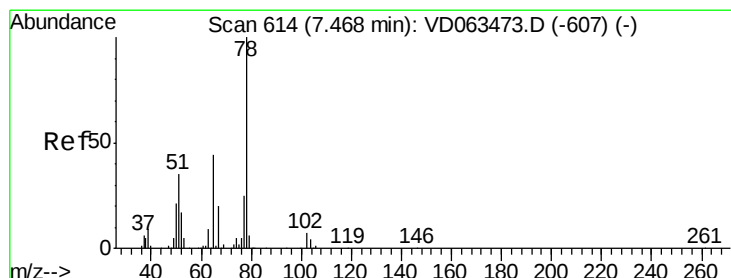
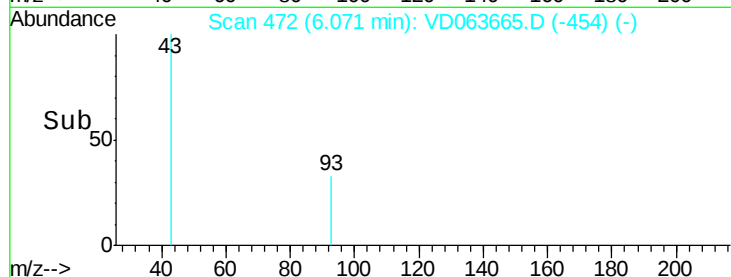
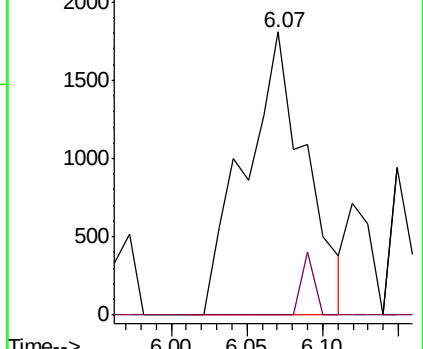
43 100

72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.939 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063665.D

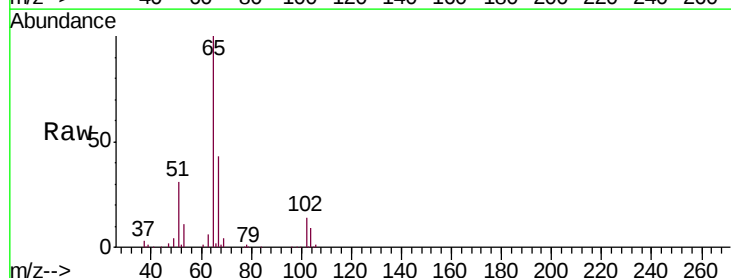
Acq: 19 Aug 2019 18:40

Tgt Ion: 65 Resp: 575523

Ion Ratio Lower Upper

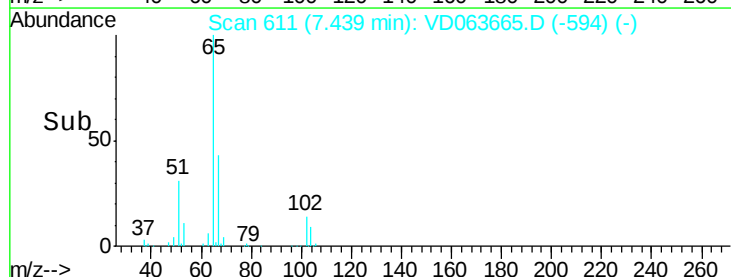
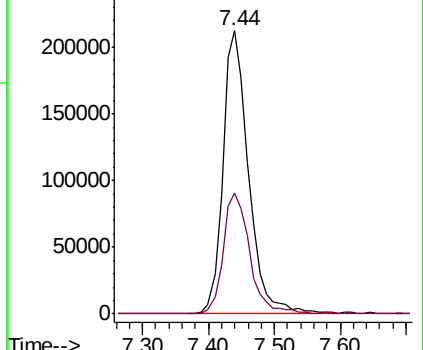
65 100

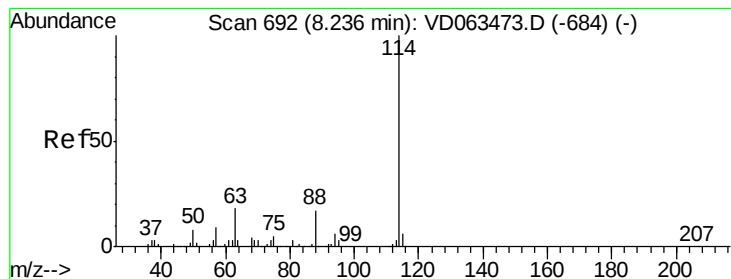
67 42.6 0.0 89.2



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: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

TP-1359B

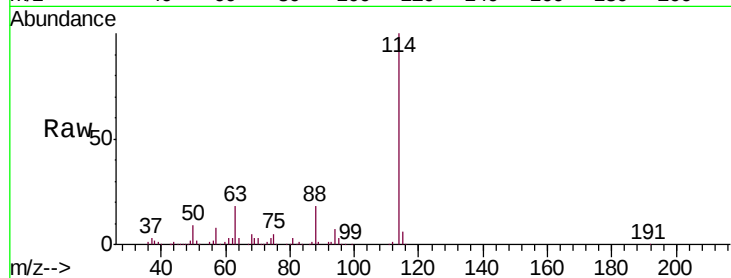
Tgt Ion:114 Resp: 1426604

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

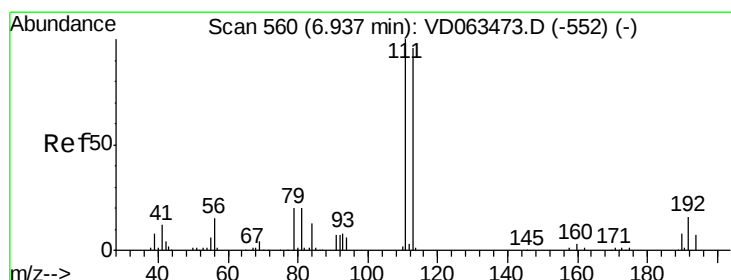
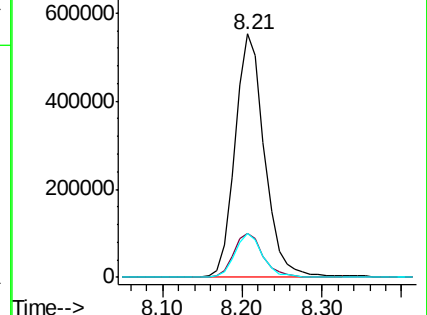
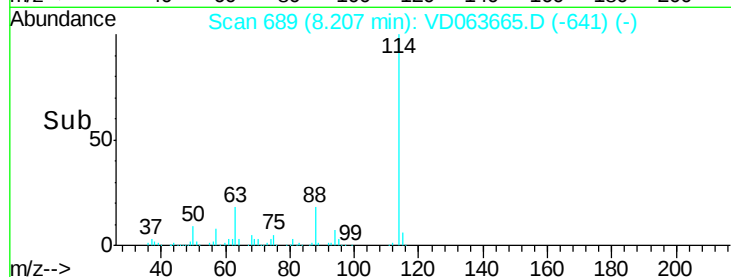
88 17.9 0.0 35.0



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: 35.373 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

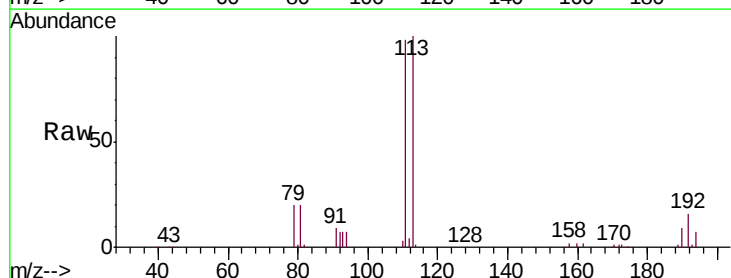
Tgt Ion:113 Resp: 425010

Ion Ratio Lower Upper

113 100

111 98.4 83.1 124.7

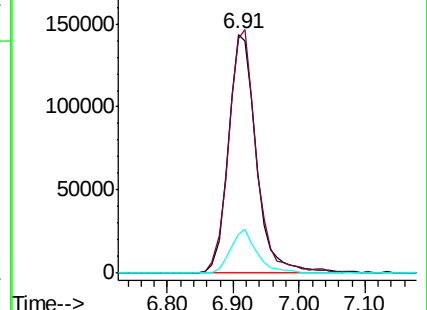
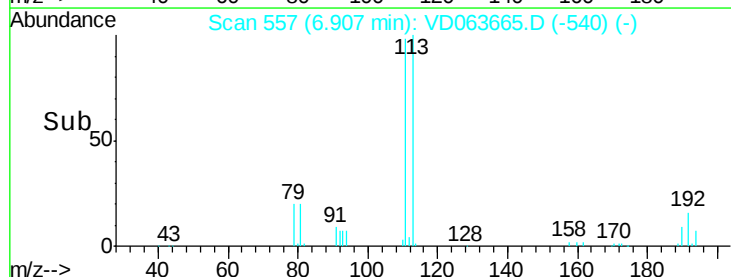
192 16.4 13.1 19.7

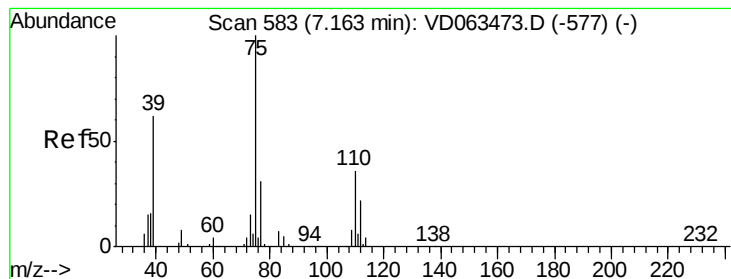


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.039 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

TP-1359B

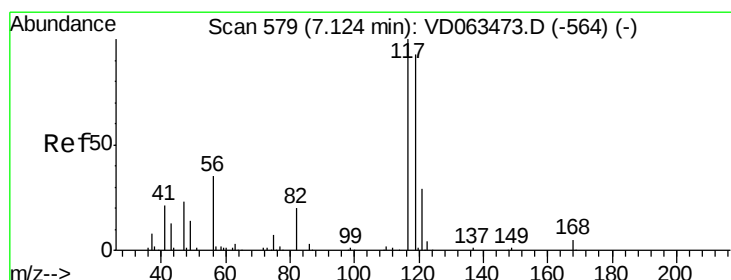
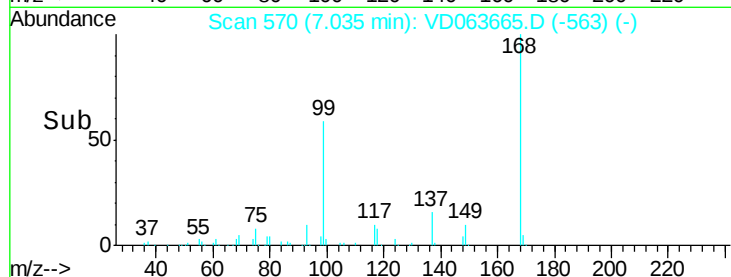
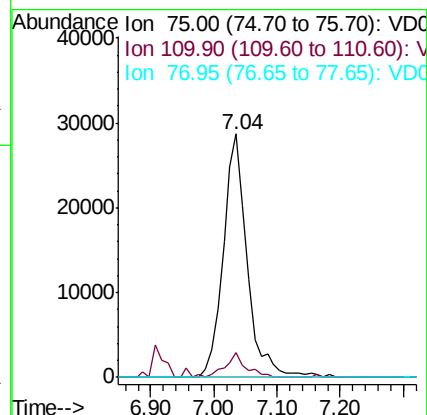
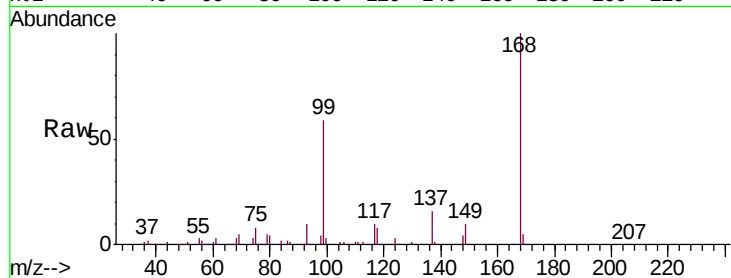
Tgt Ion: 75 Resp: 76161

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.112 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

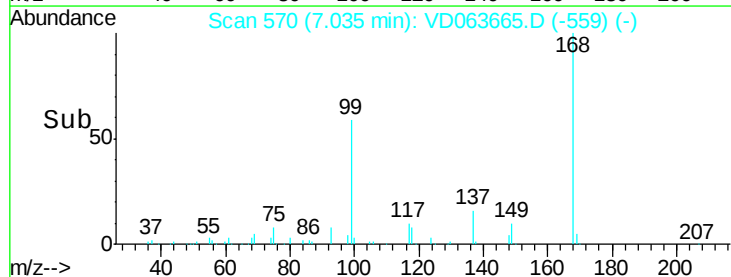
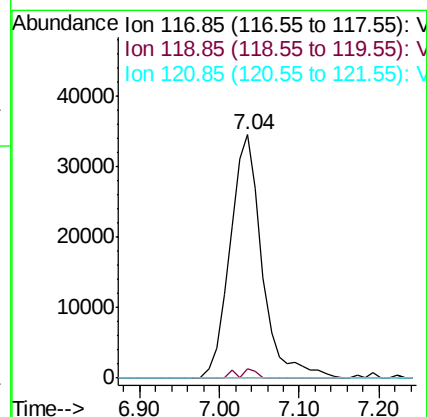
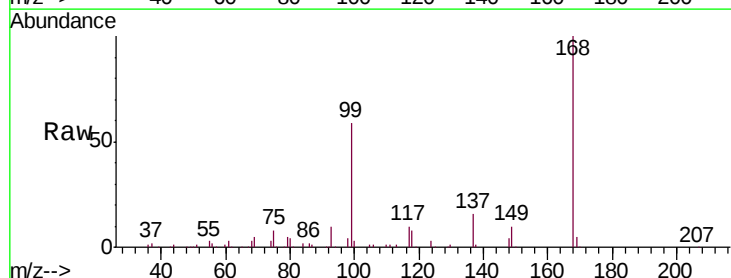
Tgt Ion: 117 Resp: 97170

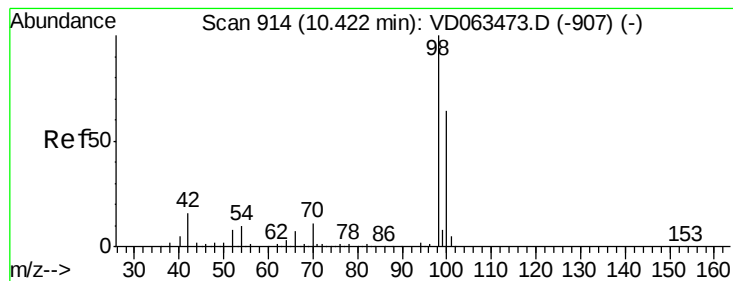
Ion Ratio Lower Upper

117 100

119 3.7 74.2 111.2#

121 0.0 23.1 34.7#





#50

Toluene-d8

Concen: 47.073 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

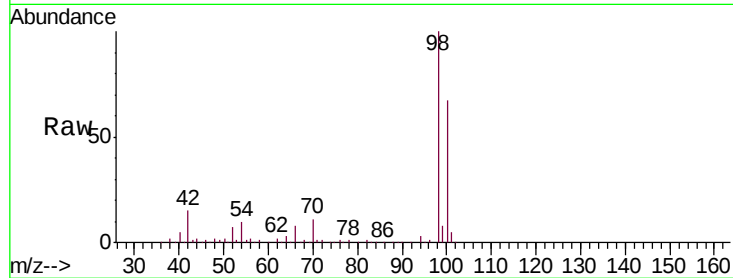
TP-1359B

Tgt Ion: 98 Resp: 1243454

Ion Ratio Lower Upper

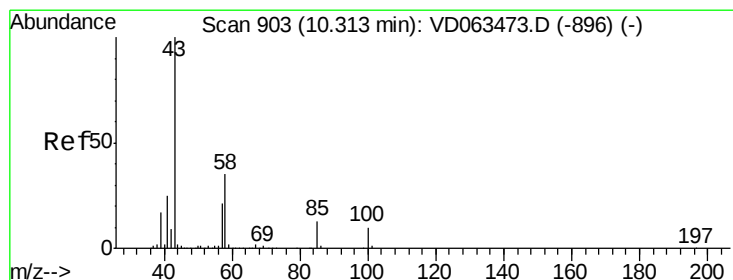
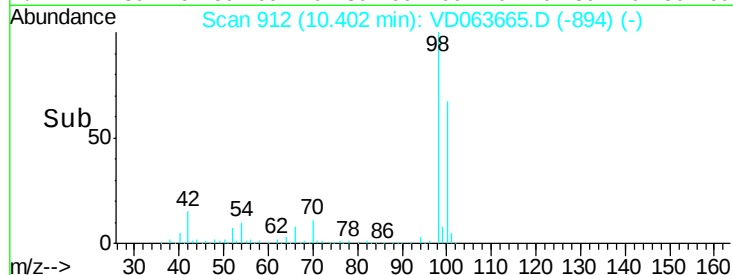
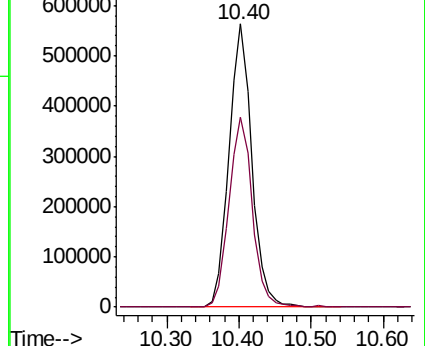
98 100

100 67.3 51.7 77.5



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: 1.624 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063665.D

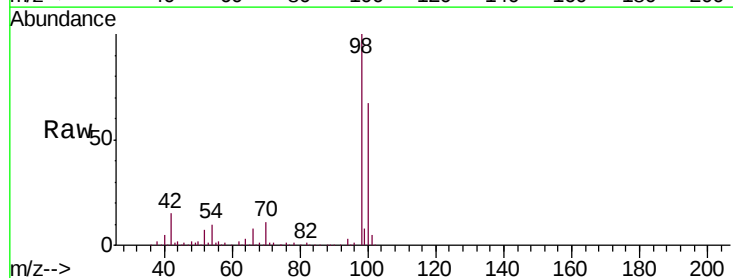
Acq: 19 Aug 2019 18:40

Tgt Ion: 43 Resp: 7865

Ion Ratio Lower Upper

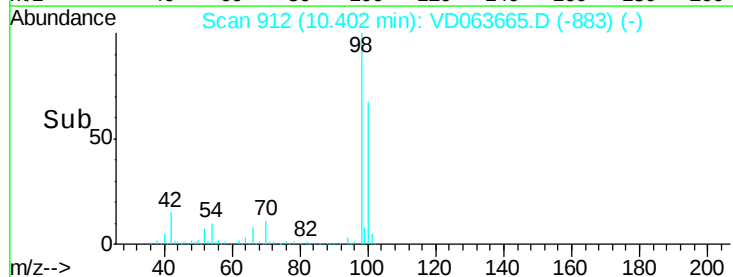
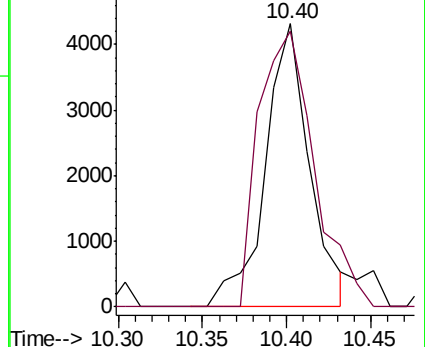
43 100

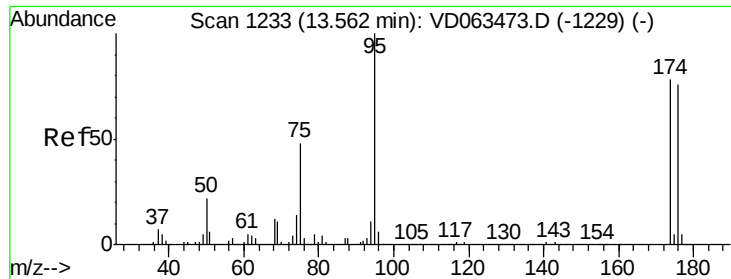
58 97.6 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 40.117 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

TP-1359B

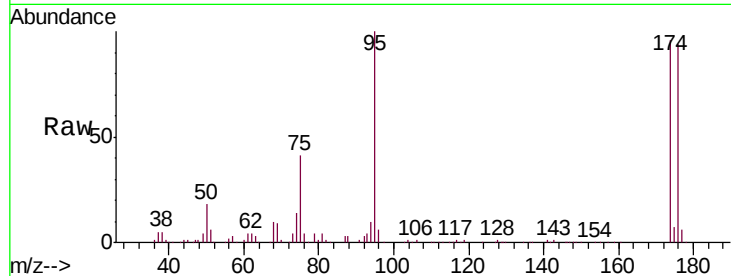
Tgt Ion: 95 Resp: 480308

Ion Ratio Lower Upper

95 100

174 95.6 0.0 155.4

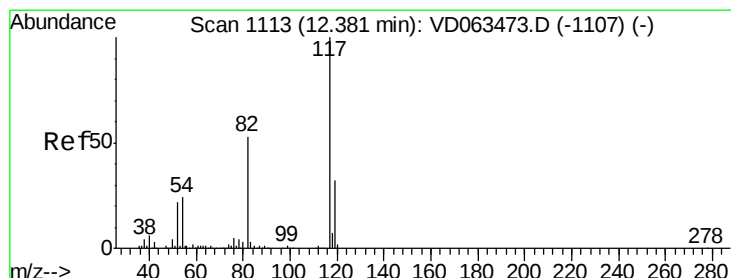
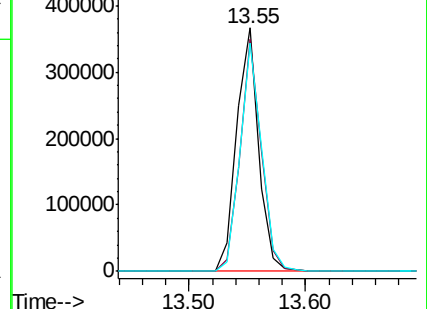
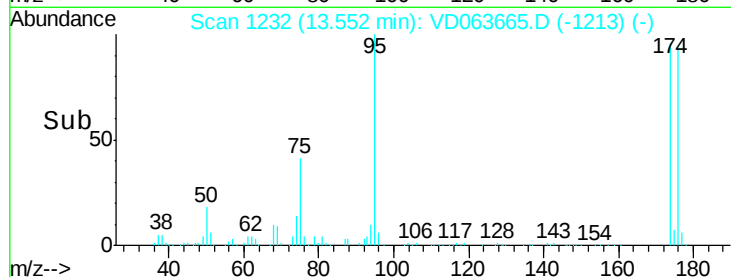
176 93.9 0.0 152.4



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: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

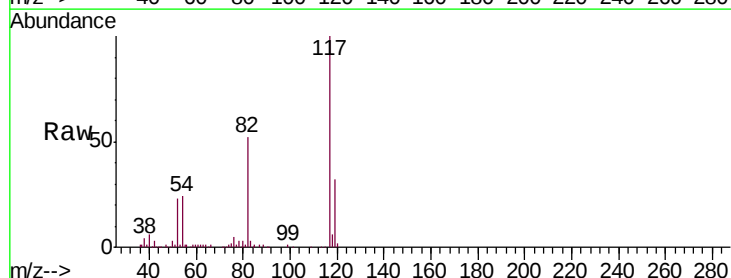
Tgt Ion: 117 Resp: 1149138

Ion Ratio Lower Upper

117 100

82 51.6 42.0 63.0

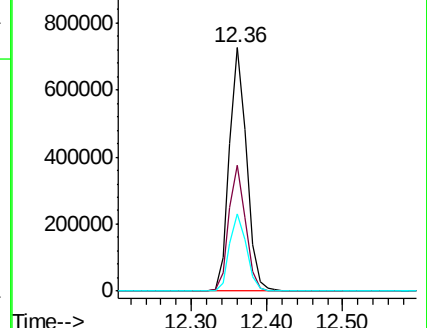
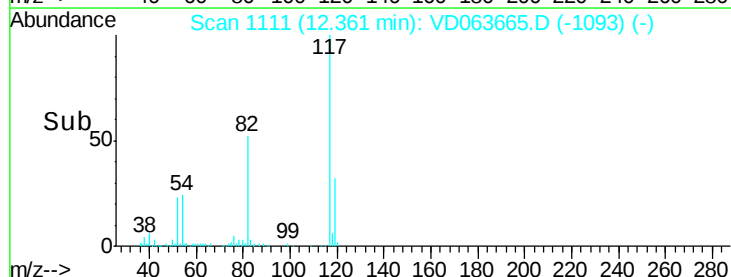
119 31.7 25.4 38.0

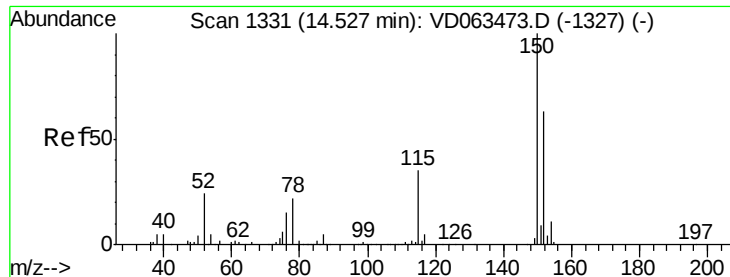


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063665.D

Acq: 19 Aug 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

TP-1359B

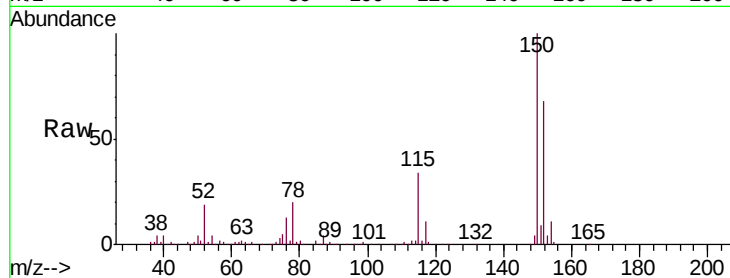
Tgt Ion:152 Resp: 456138

Ion Ratio Lower Upper

152 100

115 49.7 30.9 92.7

150 147.7 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

600000

400000

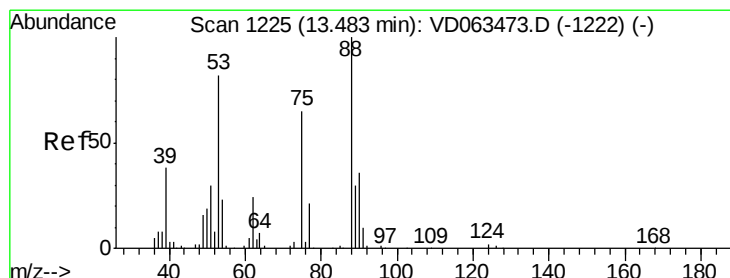
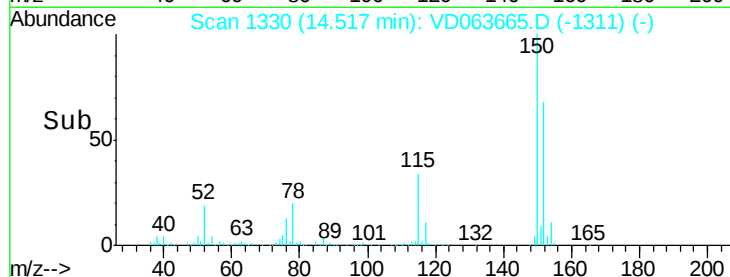
200000

0

14.52

14.40 14.50 14.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 151.785 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063665.D

Acq: 19 Aug 2019 18:40

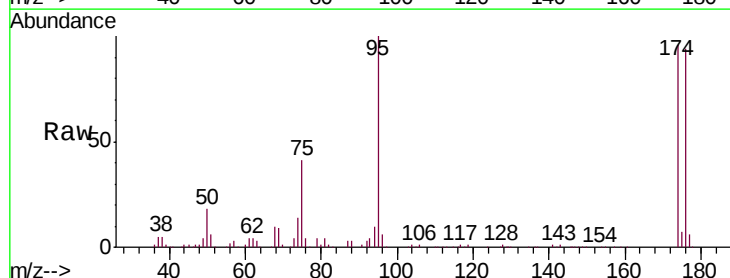
Tgt Ion: 75 Resp: 213564

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

200000

150000

100000

50000

0

13.55

13.50 13.60

Time-->

