

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063536.D
 Acq On : 13 Aug 2019 19:20
 Operator : JC/SY
 Sample : K4319-04
 Misc : 5.59g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:29:53 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	7.06	168	1069842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1465285	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1095047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	523233	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	452235	39.55	ug/l	0.00
Spiked Amount			Recovery	=	79.10%	
35) Dibromofluoromethane	6.93	113	529837	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	
50) Toluene-d8	10.41	98	974534	35.92	ug/l	0.00
Spiked Amount			Recovery	=	71.84%	
62) 4-Bromofluorobenzene	13.56	95	392899	31.95	ug/l	0.00
Spiked Amount			Recovery	=	63.90%	

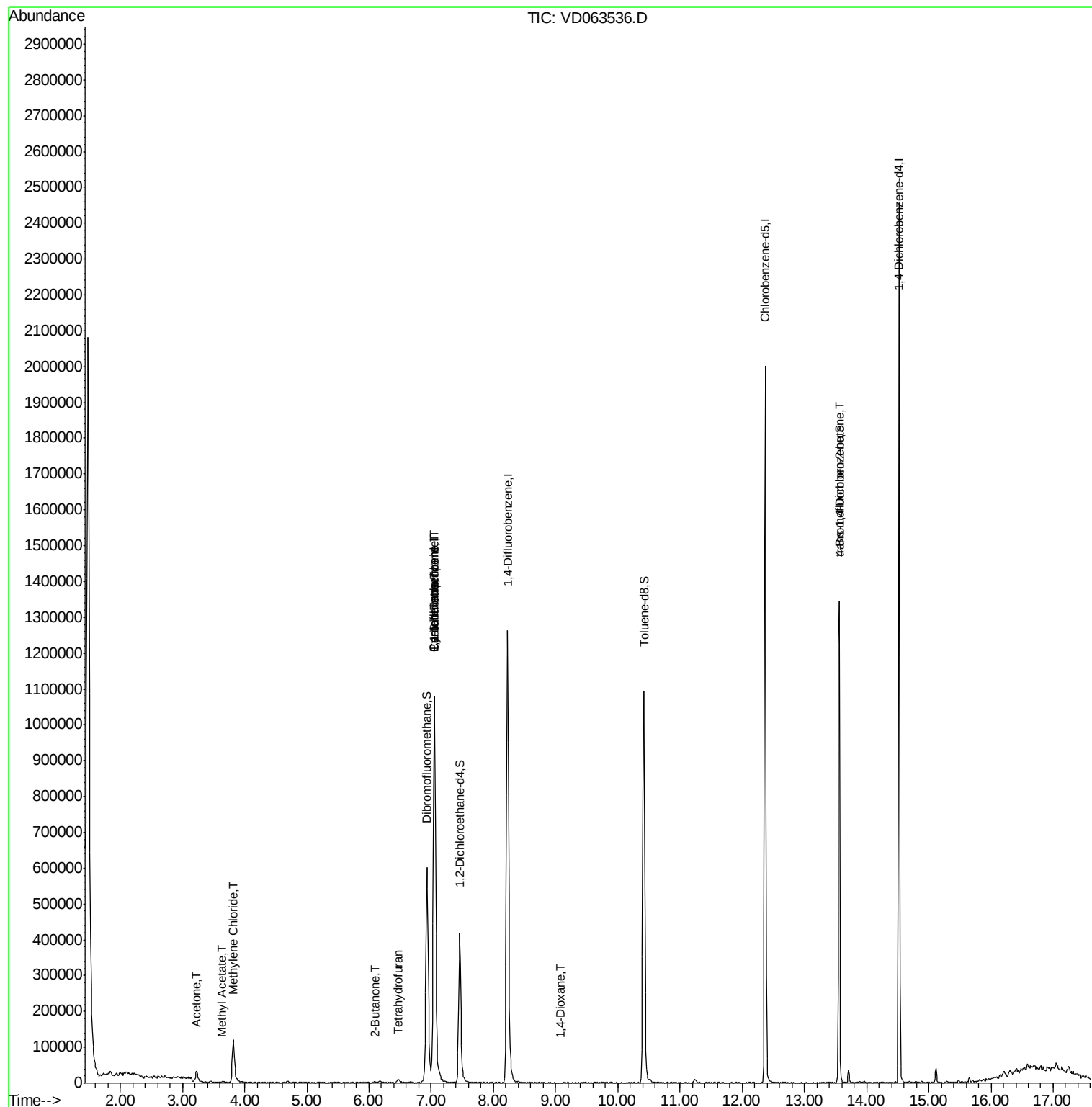
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	50386	21.674	ug/l #	92
18) Methyl Acetate	3.64	43	5572	1.265	ug/l #	57
20) Methylene Chloride	3.82	84	76821	7.642	ug/l	94
25) 2-Butanone	6.09	43	3376	1.470	ug/l #	84
29) Tetrahydrofuran	6.48	42	7527	7.036	ug/l #	89
31) Cyclohexane	7.06	56	24100	2.334	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	80657	6.227	ug/l #	49
38) Carbon Tetrachloride	7.05	117	99512	5.097	ug/l #	18
49) 1,4-Dioxane	9.06	88	224	29.702	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.55	75	177701	110.101	ug/l #	1

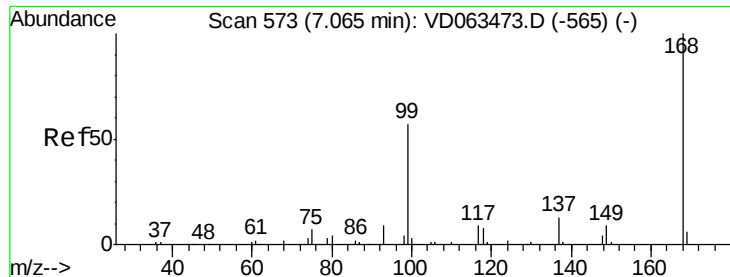
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063536.D
Acq On : 13 Aug 2019 19:20
Operator : JC/SY
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 14 08:29:53 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: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

Instrument :

MSVOA_D

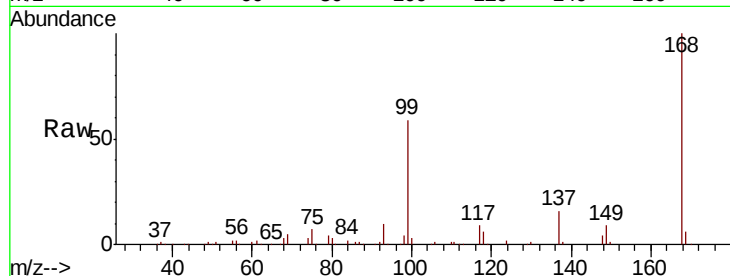
ClientSampleId :

Tot Ion:168 Resp: 1069842

Ion Ratio Lower Upper

168 100

99 59.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

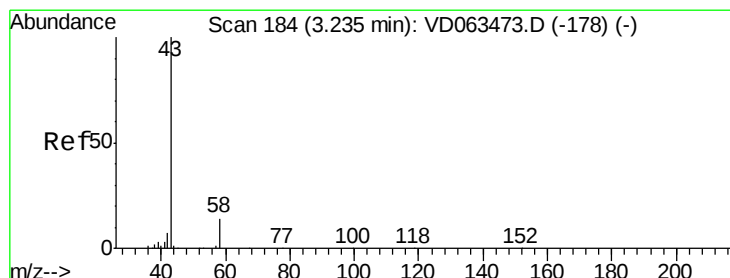
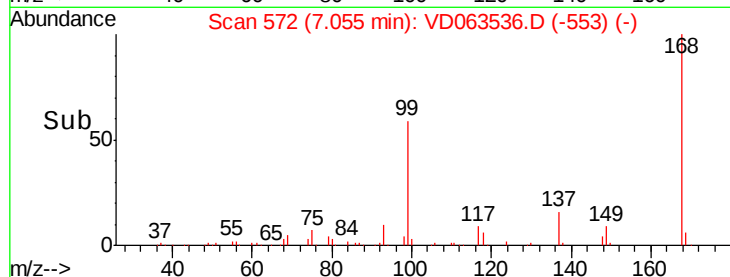
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#16

Acetone

Concen: 21.674 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063536.D

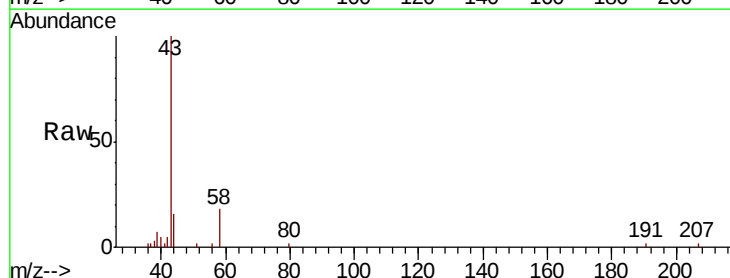
Acq: 13 Aug 2019 19:20

Tgt Ion: 43 Resp: 50386

Ion Ratio Lower Upper

43 100

58 17.5 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

20000

15000

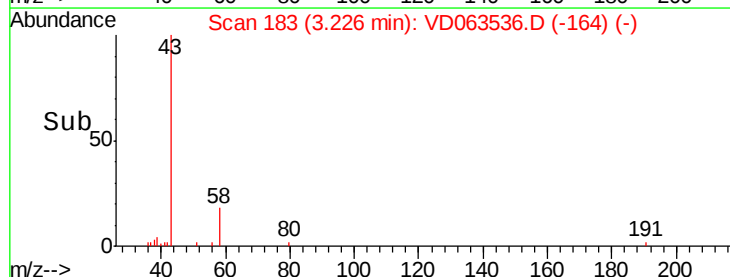
10000

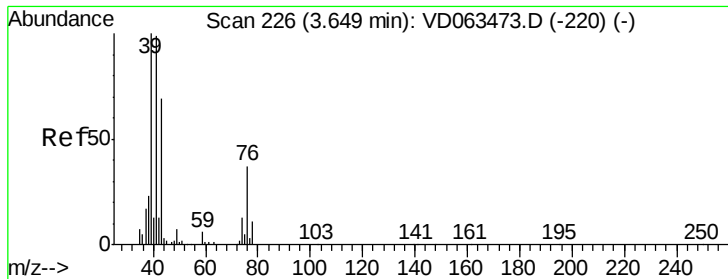
5000

0

Time-->

3.10 3.20 3.30

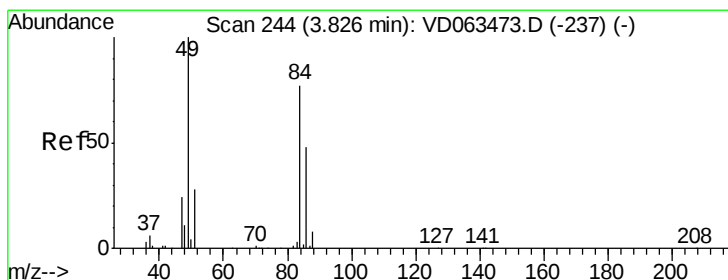
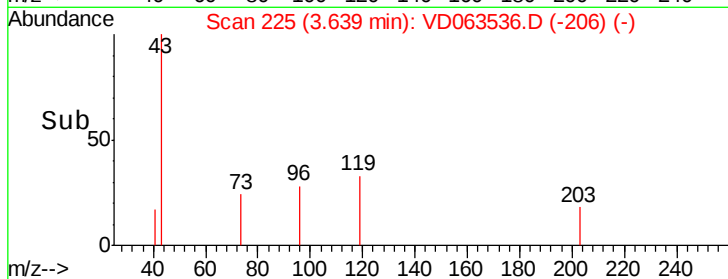
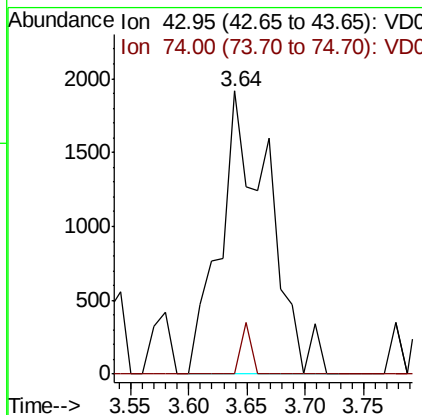
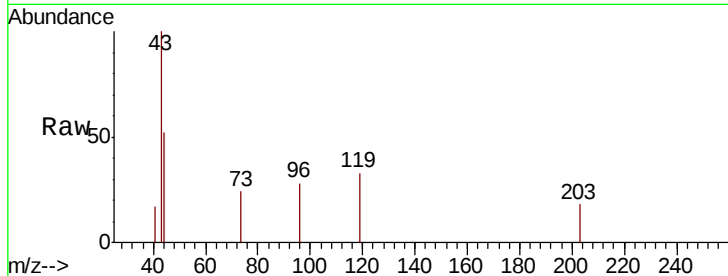




#18
Methyl Acetate
Concen: 1.265 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063536.D
Acq: 13 Aug 2019 19:20

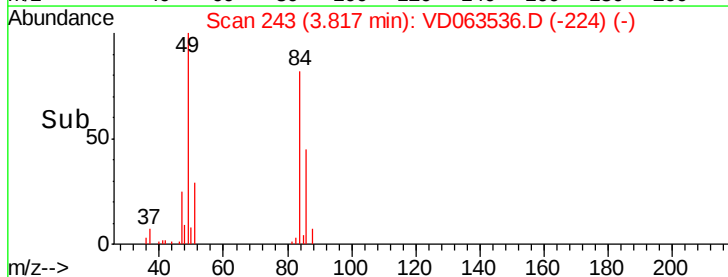
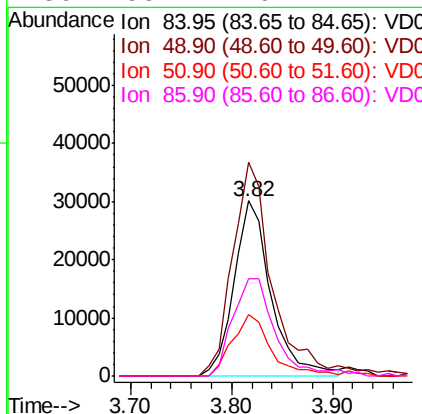
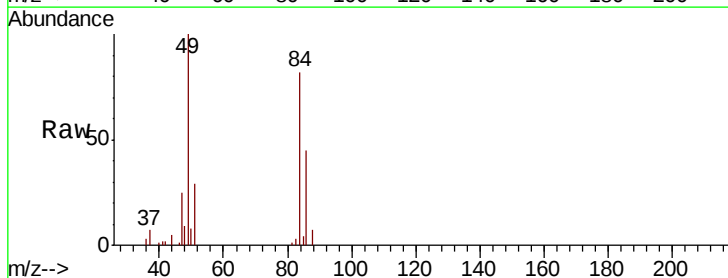
Instrument :
MSVOA_D
ClientSampleId :

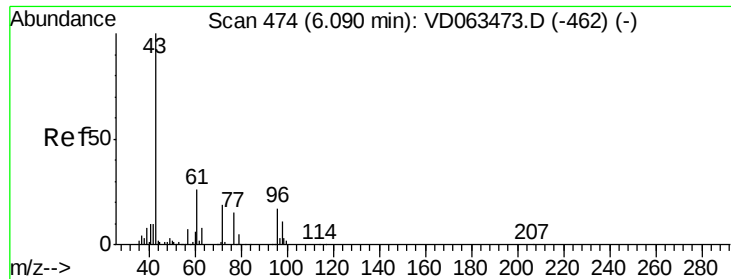
Tot Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 7.642 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063536.D
Acq: 13 Aug 2019 19:20

Tgt Ion: 84 Resp: 76821
Ion Ratio Lower Upper
84 100
49 121.9 103.4 155.2
51 35.4 28.5 42.7
86 55.4 49.4 74.2





#25

2-Butanone

Concen: 1.470 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

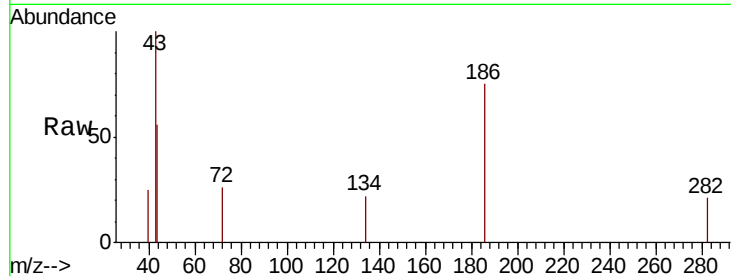
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3376

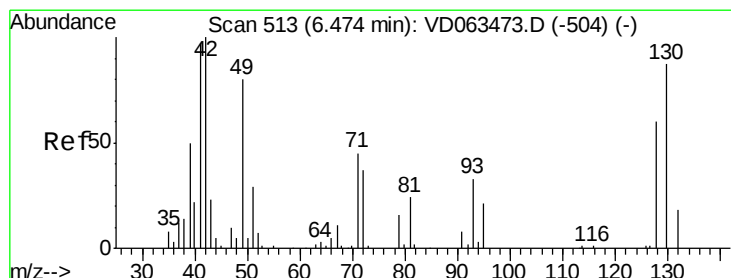
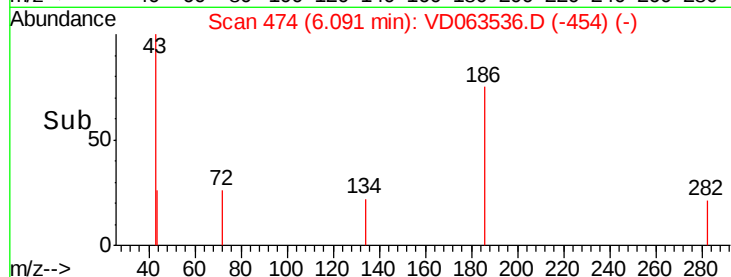
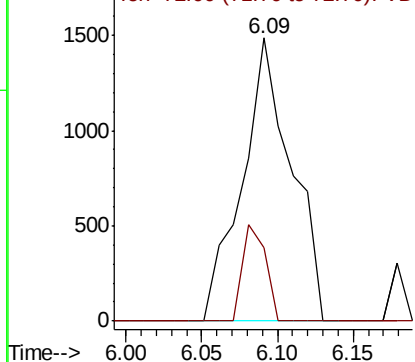
Ion Ratio Lower Upper

43 100

72 26.1 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 7.036 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

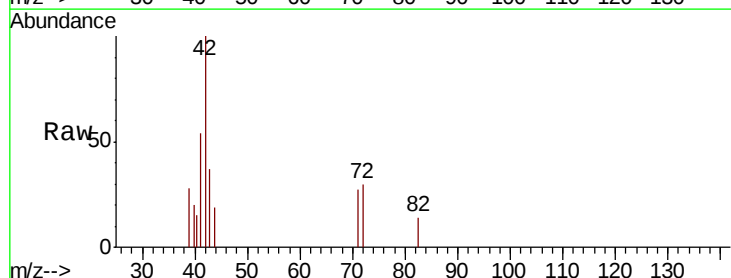
Tgt Ion: 42 Resp: 7527

Ion Ratio Lower Upper

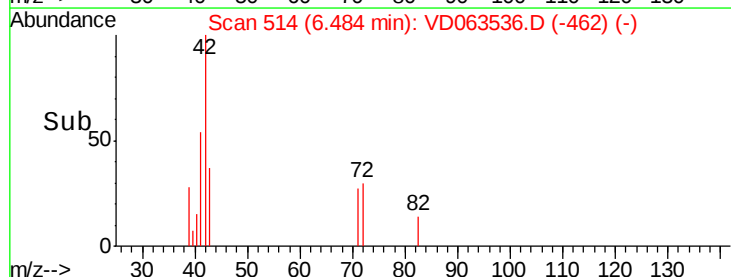
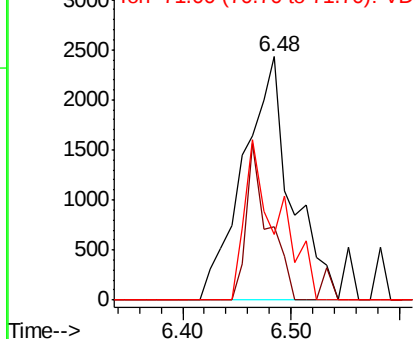
42 100

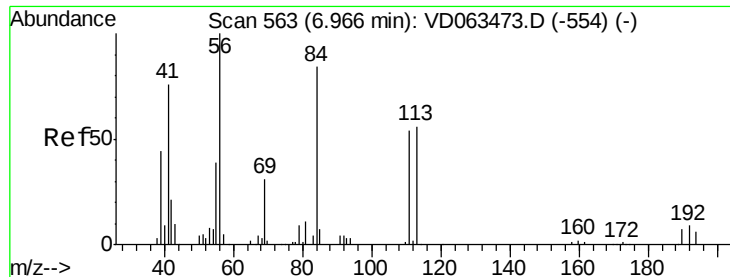
72 29.8 31.5 47.3#

71 46.1 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

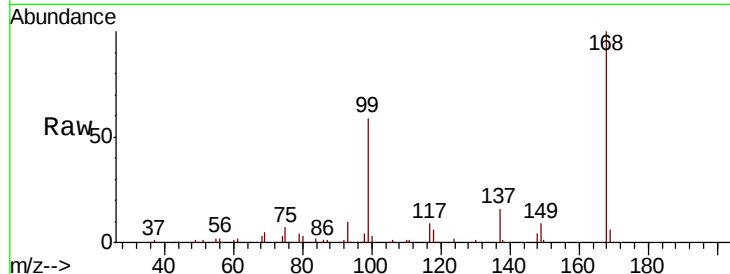




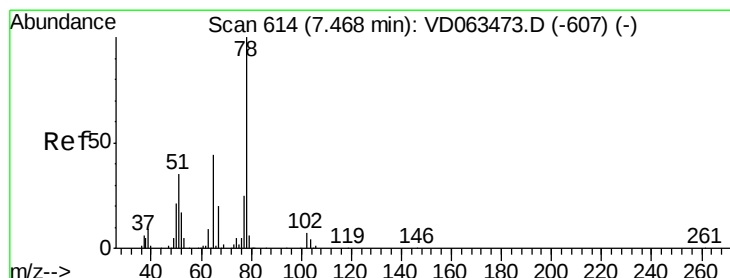
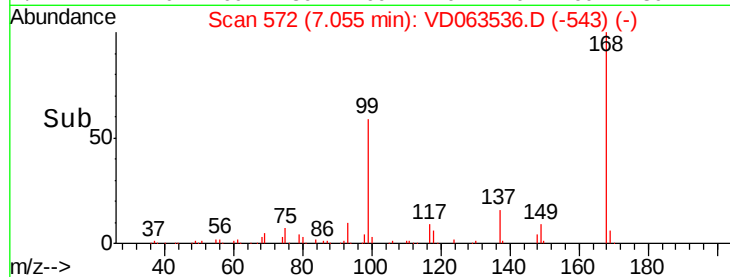
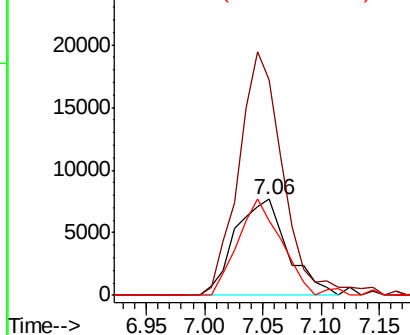
#31
Cyclohexane
Concen: 2.334 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063536.D
Acq: 13 Aug 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 24100
Ion Ratio Lower Upper
56 100
69 223.7 25.0 37.6#
84 78.4 69.7 104.5

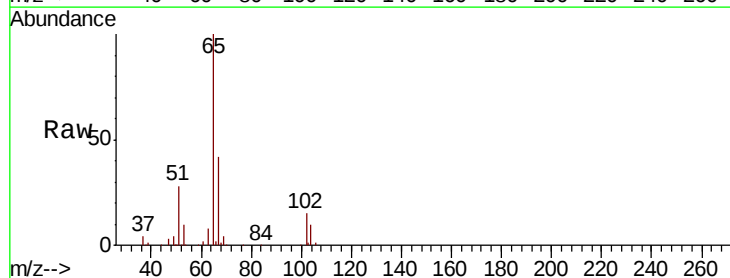


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

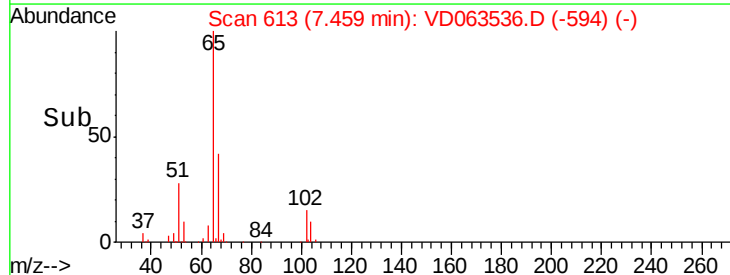
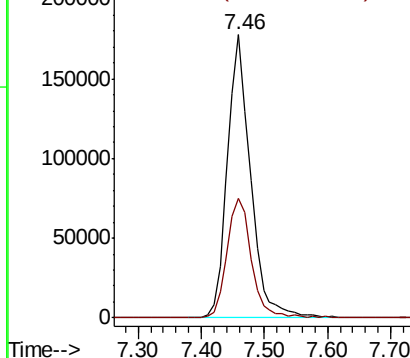


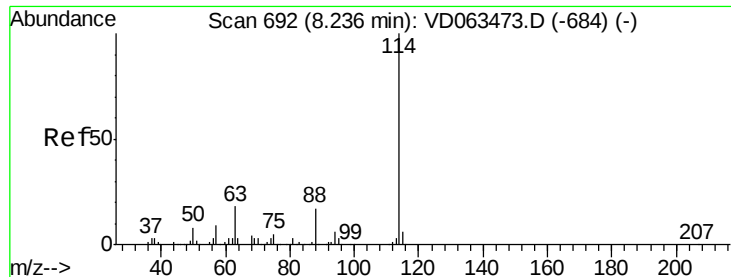
#33
1,2-Dichloroethane-d4
Concen: 39.546 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063536.D
Acq: 13 Aug 2019 19:20

Tgt Ion: 65 Resp: 452235
Ion Ratio Lower Upper
65 100
67 42.2 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: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

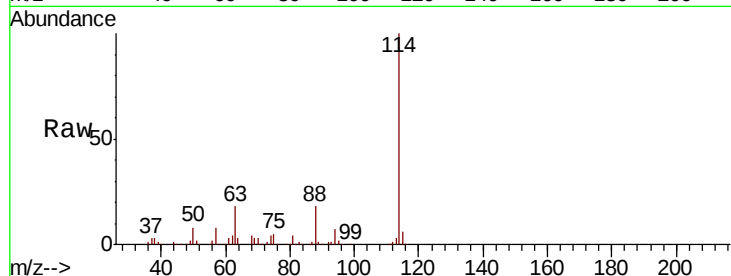
Tot Ion:114 Resp: 1465285

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

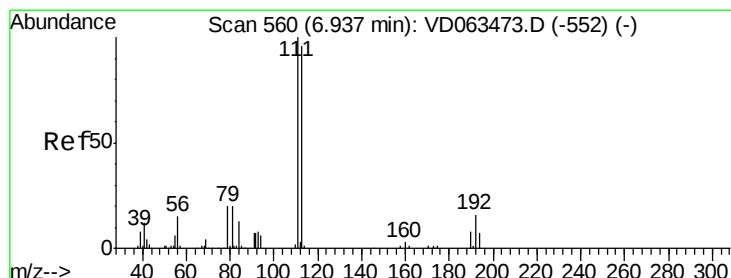
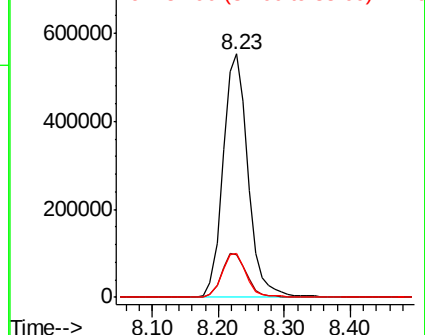
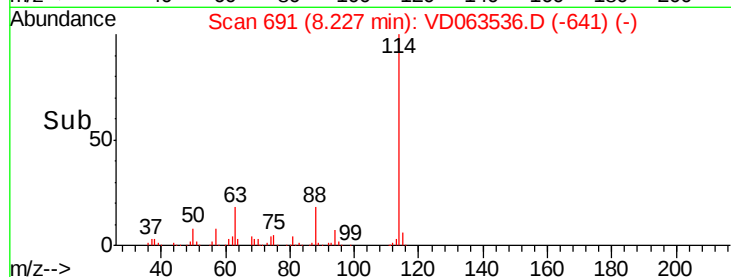
88 18.2 0.0 35.0



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: 42.934 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

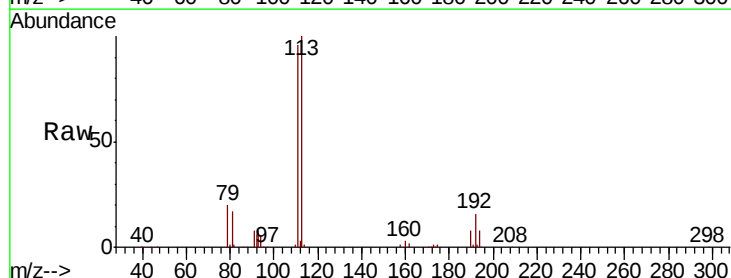
Tgt Ion:113 Resp: 529837

Ion Ratio Lower Upper

113 100

111 95.7 83.1 124.7

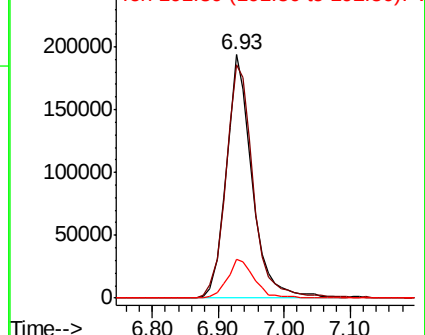
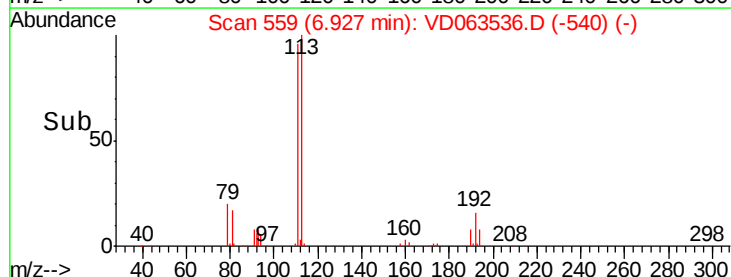
192 15.9 13.1 19.7

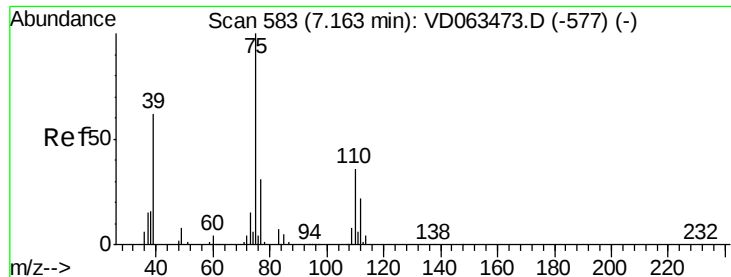


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

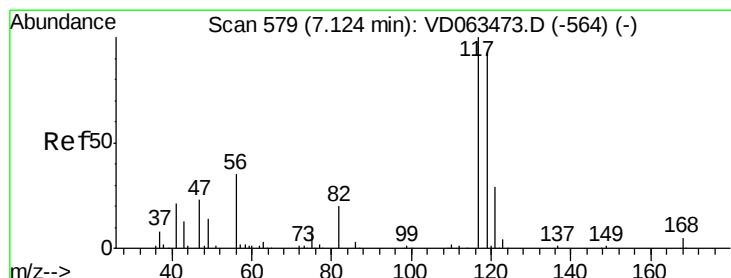
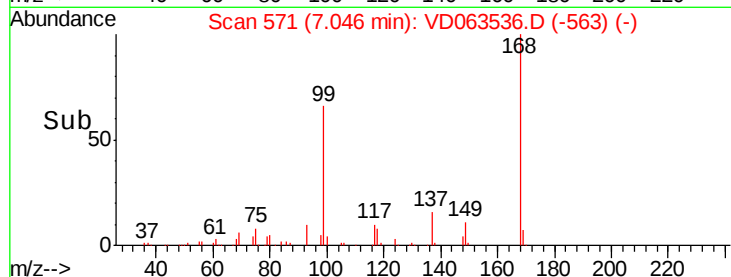
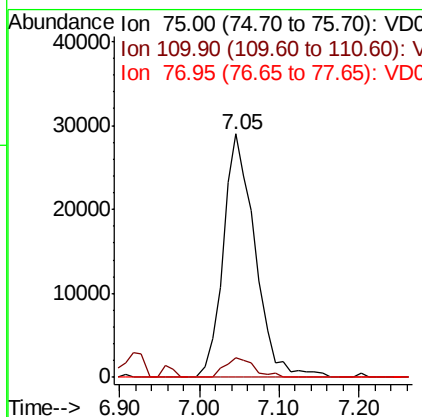
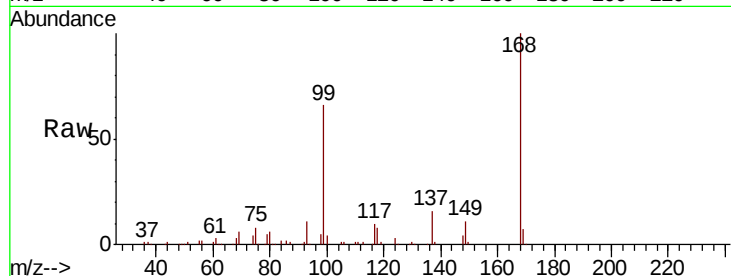




#36
 1,1-Dichloropropene
 Concen: 6.227 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063536.D
 Acq: 13 Aug 2019 19:20

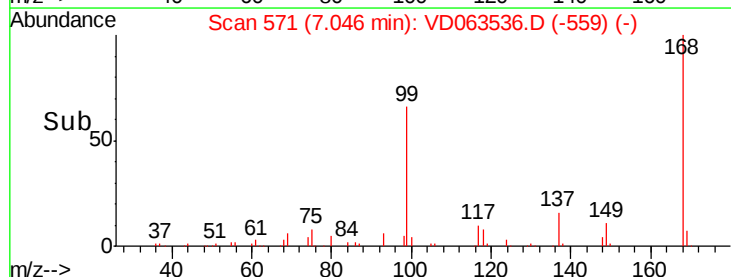
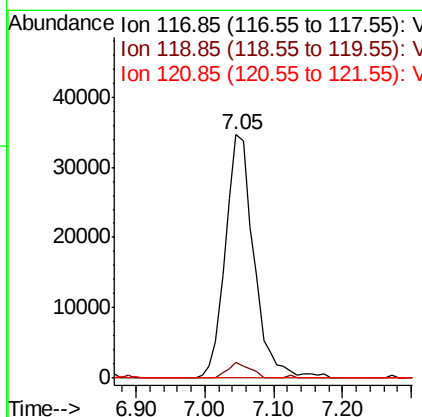
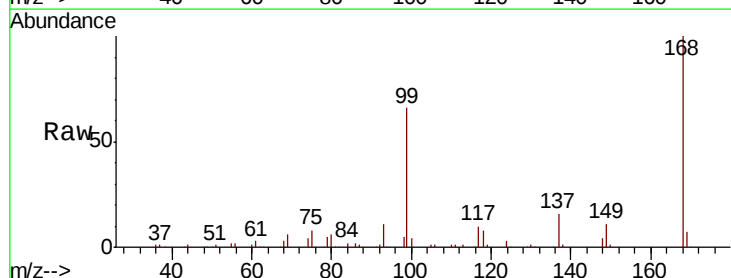
Instrument :
 MSVOA_D
 ClientSampled :

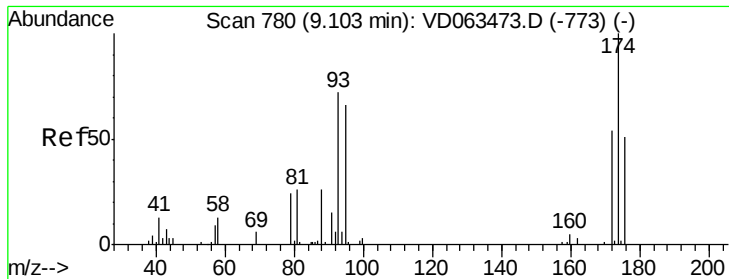
Tot Ion	75	Resp	80657
Ion Ratio	Lower	Upper	
75	100		
110	8.0	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.097 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063536.D
 Acq: 13 Aug 2019 19:20

Tgt Ion	117	Resp	99512
Ion Ratio	Lower	Upper	
117	100		
119	6.3	74.2	111.2#
121	0.0	23.1	34.7#





#49

1,4-Dioxane

Concen: 29.702 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.04 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

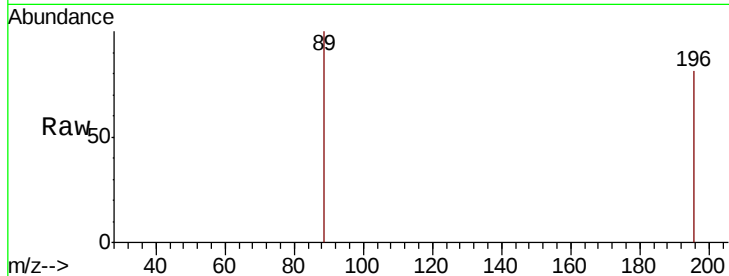
Tot Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

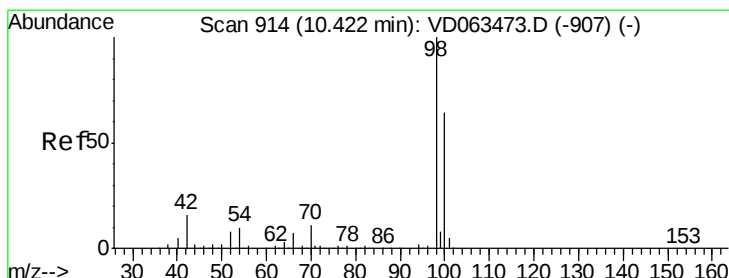
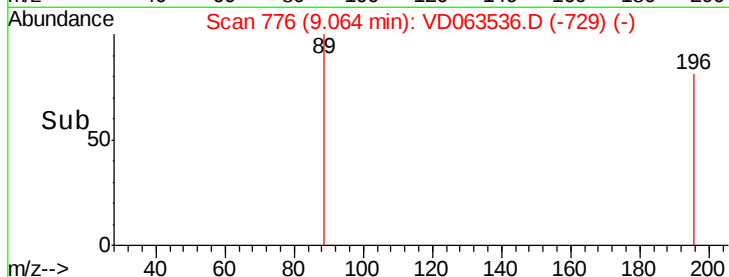
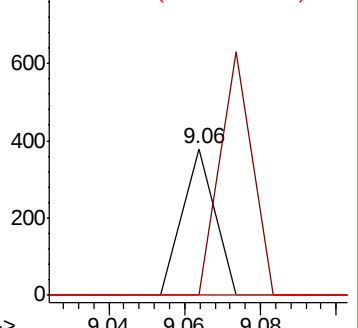
58 0.0 40.1 60.1#



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: 35.919 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063536.D

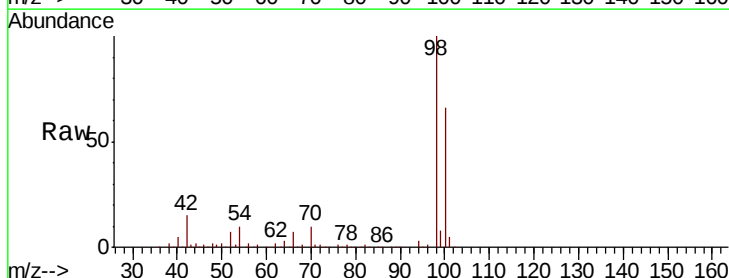
Acq: 13 Aug 2019 19:20

Tgt Ion: 98 Resp: 974534

Ion Ratio Lower Upper

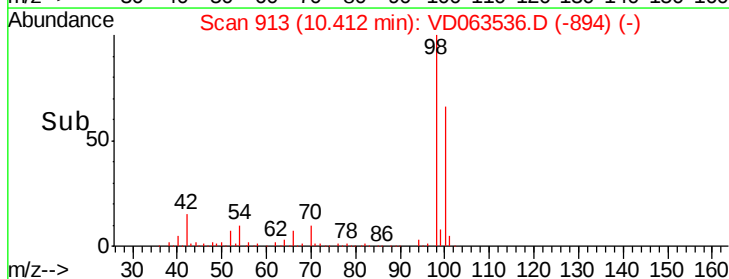
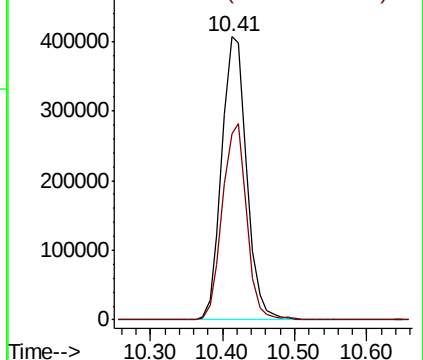
98 100

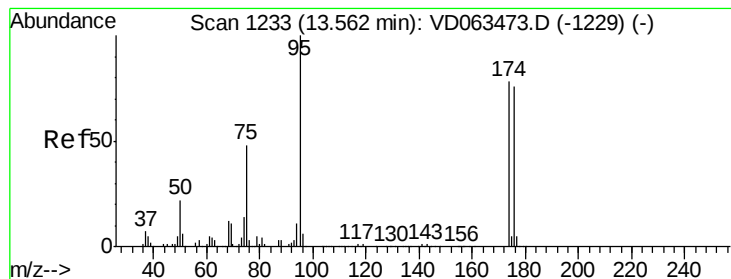
100 65.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 31.950 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

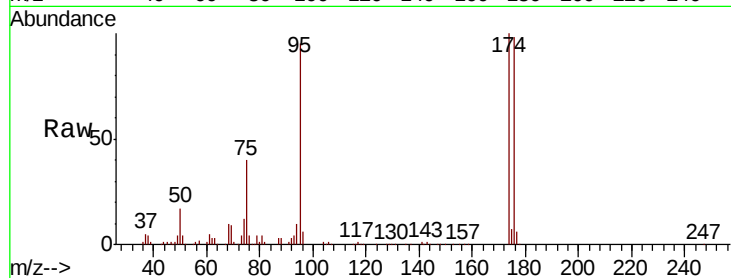
Tot Ion: 95 Resp: 392899

Ion Ratio Lower Upper

95 100

174 105.8 0.0 155.4

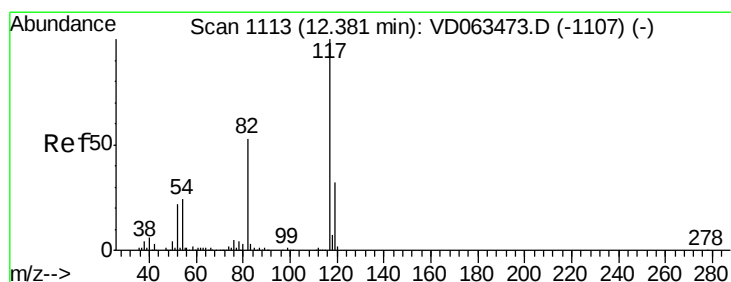
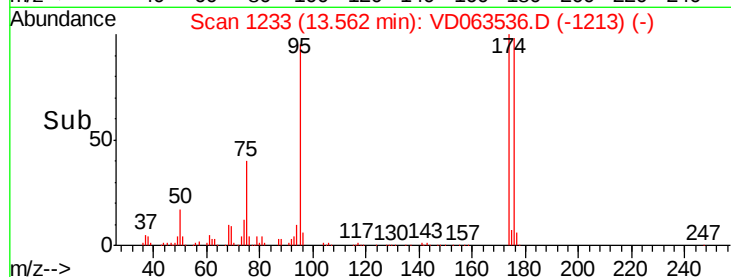
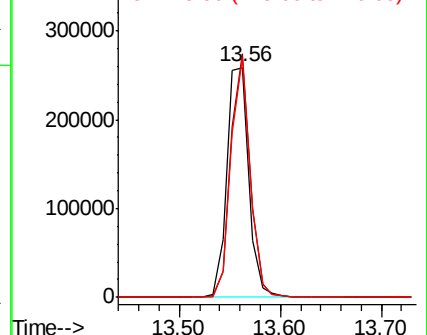
176 104.0 0.0 152.4



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: VD063536.D

Acq: 13 Aug 2019 19:20

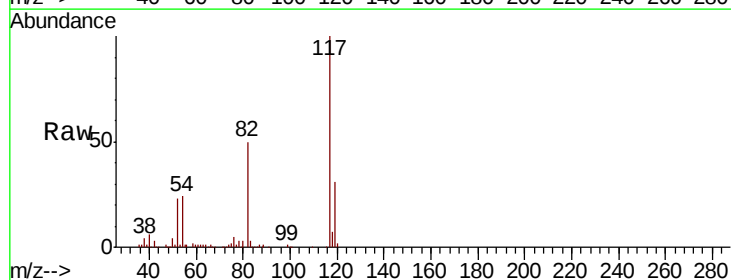
Tgt Ion: 117 Resp: 1095047

Ion Ratio Lower Upper

117 100

82 49.8 42.0 63.0

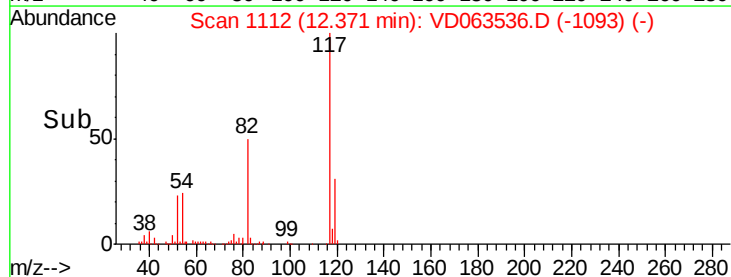
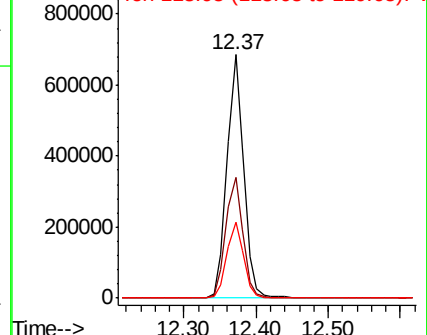
119 31.2 25.4 38.0

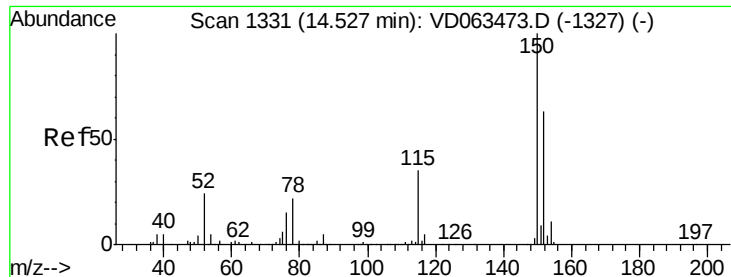


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063536.D

Acq: 13 Aug 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

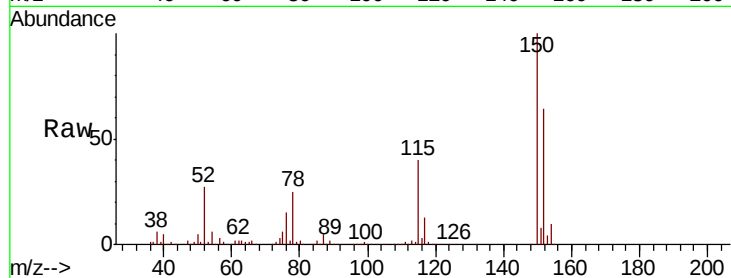
Tot Ion:152 Resp: 523233

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.7

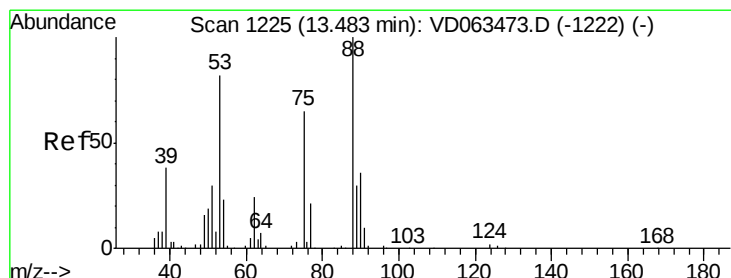
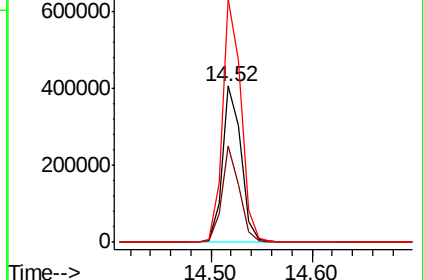
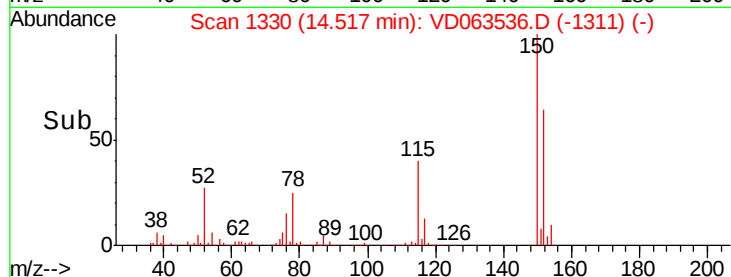
150 155.6 0.0 318.6



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: 110.101 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063536.D

Acq: 13 Aug 2019 19:20

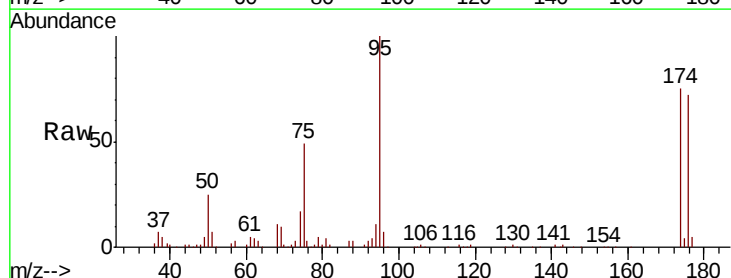
Tgt Ion: 75 Resp: 177701

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

