

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063420.D
 Acq On : 7 Aug 2019 13:14
 Operator : JC/SY
 Sample : K4192-04RE
 Misc : 4.90g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRIPLE-BARREL-BC-EASTRE

Quant Time: Aug 08 08:06:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	937976	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1197987	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	776791	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	237035	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	392674	37.73	ug/l	0.02
Spiked Amount 50.000			Recovery =	75.46%		
35) Dibromofluoromethane	6.93	113	450242	44.02	ug/l	0.02
Spiked Amount 50.000			Recovery =	88.04%		
50) Toluene-d8	10.41	98	807011	35.25	ug/l	0.01
Spiked Amount 50.000			Recovery =	70.50%		
62) 4-Bromofluorobenzene	13.55	95	247468	23.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	47.44%		

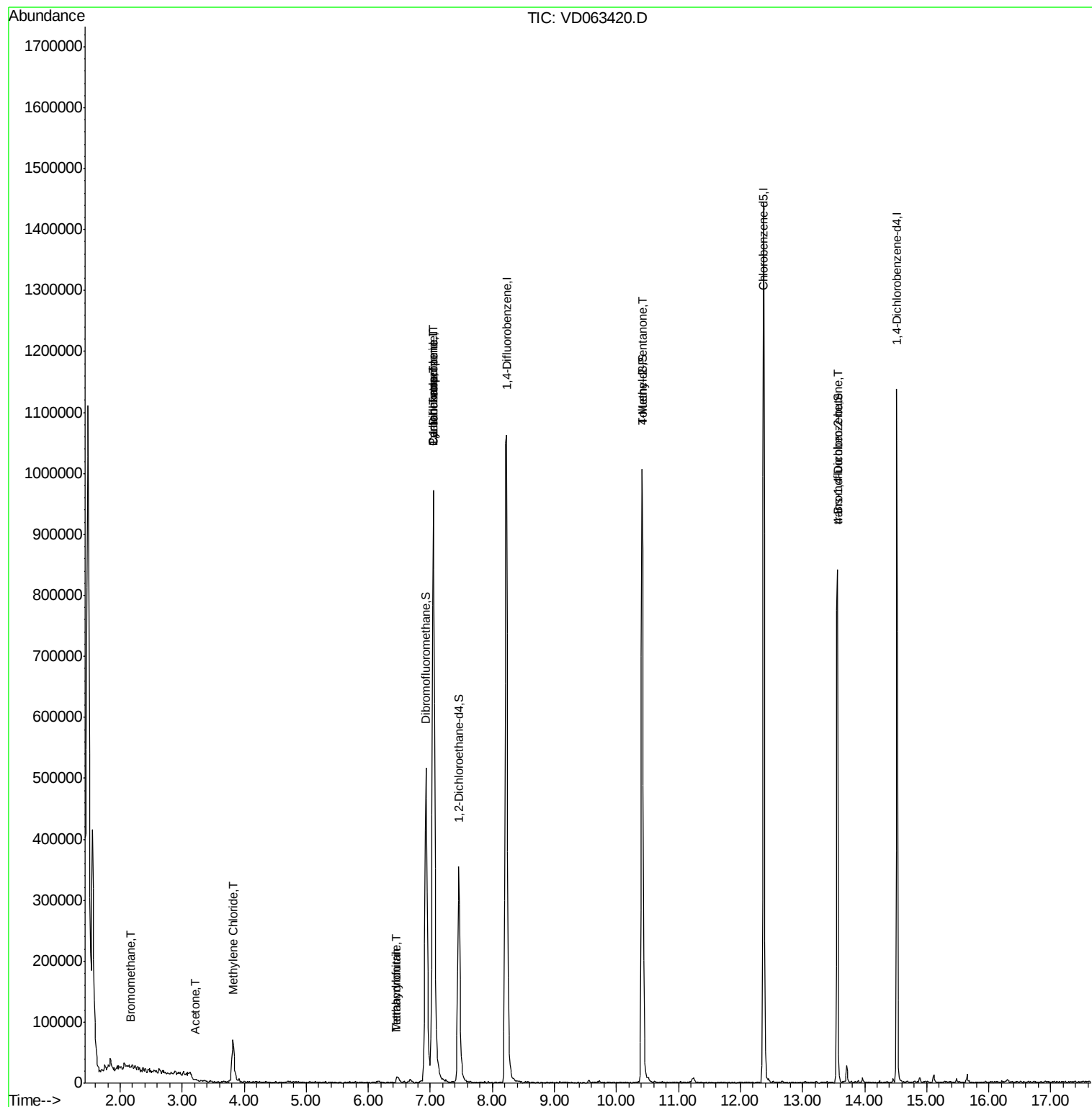
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	5508	1.184	ug/l #	12
16) Acetone	3.23	43	3637	1.794	ug/l #	62
20) Methylene Chloride	3.82	84	43810	5.345	ug/l	96
29) Tetrahydrofuran	6.46	42	8436	8.755	ug/l #	63
31) Cyclohexane	7.05	56	21205	2.287	ug/l #	14
36) 1,1-Dichloropropene	7.05	75	69633	6.369	ug/l #	57
38) Carbon Tetrachloride	7.05	117	90547	5.501	ug/l #	16
41) Methacrylonitrile	6.46	41	6566	1.118	ug/l #	92
51) 4-Methyl-2-Pentanone	10.41	43	4961	1.163	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	112737	142.600	ug/l #	3

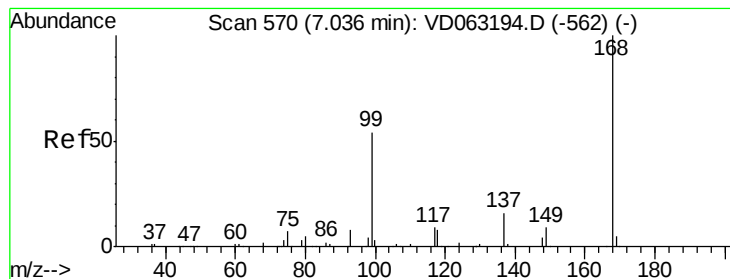
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
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Quant Time: Aug 08 08:06:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

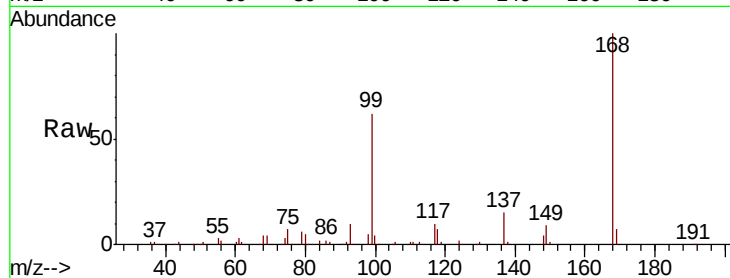
TRIPLE-BARREL-BC-EASTRE

Tgt Ion:168 Resp: 937976

Ion Ratio Lower Upper

168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

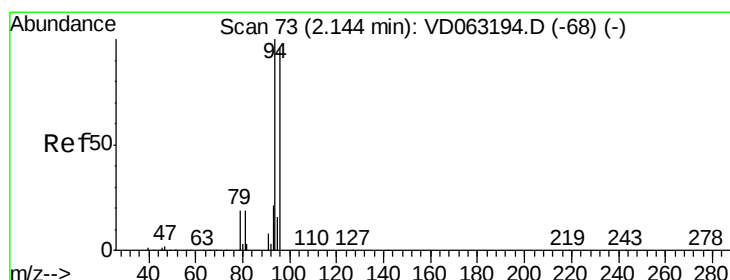
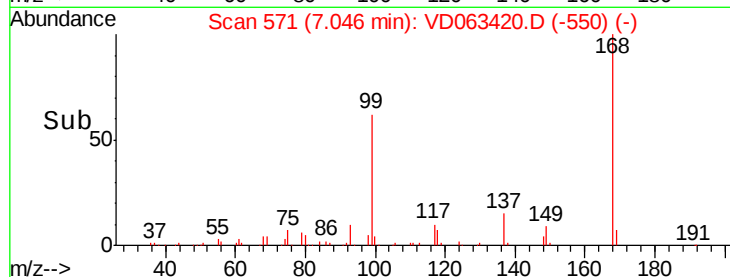
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.184 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

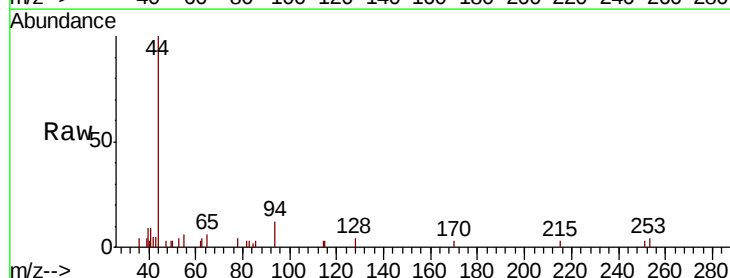
Tgt Ion: 94 Resp: 5508

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



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

2.17

2000

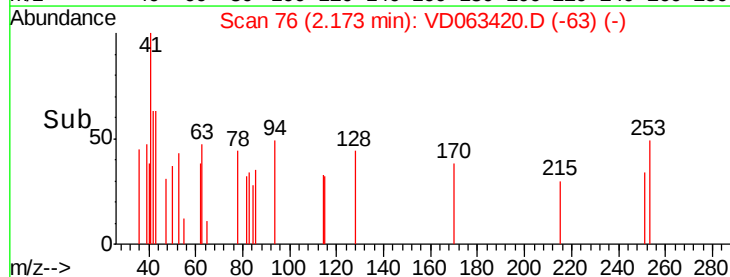
1500

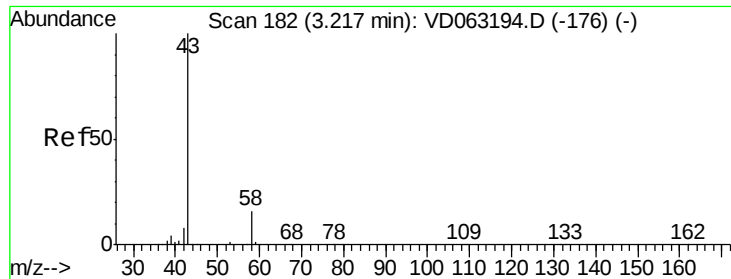
1000

500

0

Time-->





#16

Acetone

Concen: 1.794 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

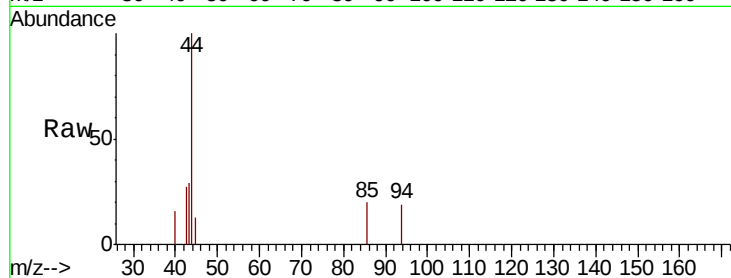
TRIPLE-BARREL-BC-EASTRE

Tgt Ion: 43 Resp: 3637

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

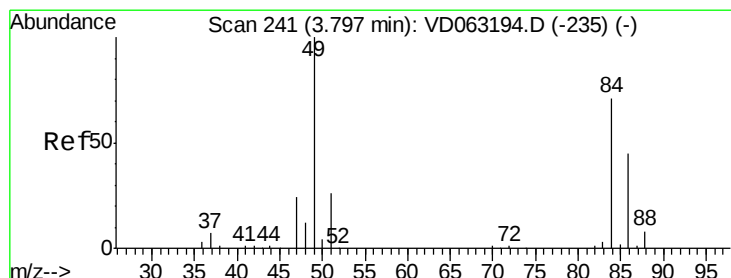
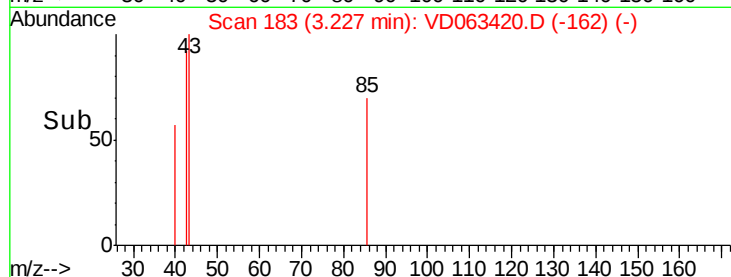
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 5.345 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Tgt Ion: 84 Resp: 43810

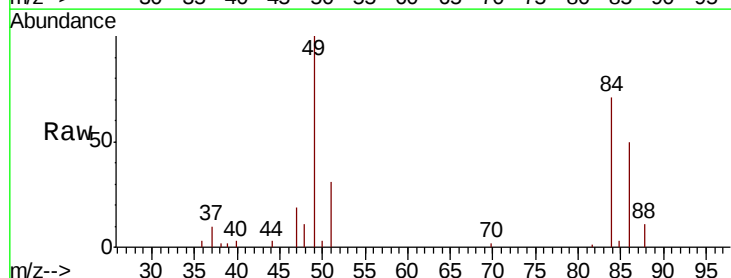
Ion Ratio Lower Upper

84 100

49 140.8 112.5 168.7

51 43.3 29.6 44.4

86 70.4 50.4 75.6



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

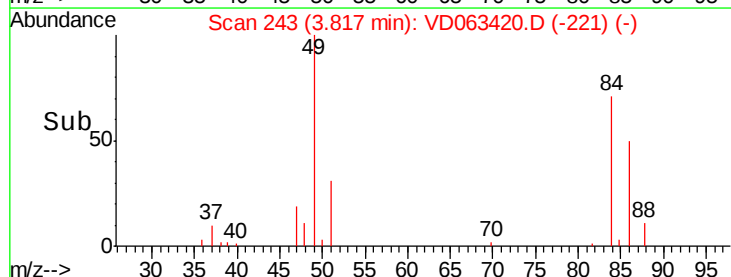
30000

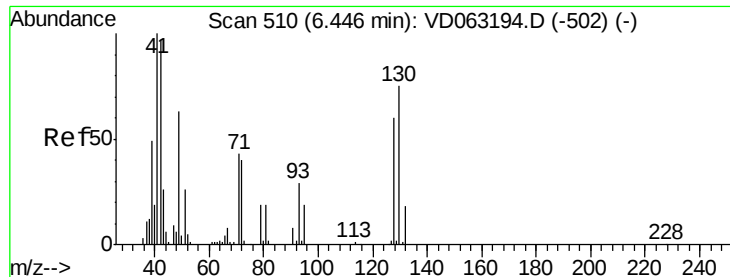
20000

10000

0

Time-->





#29

Tetrahydrofuran

Concen: 8.755 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

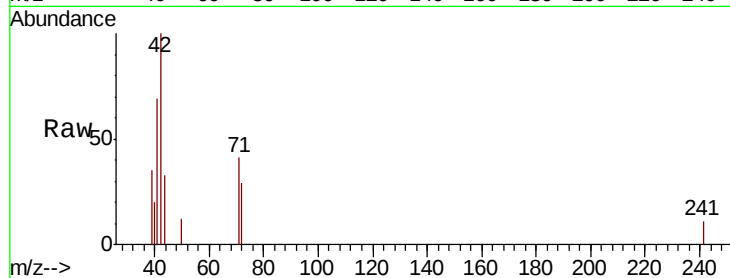
Tgt Ion: 42 Resp: 8436

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

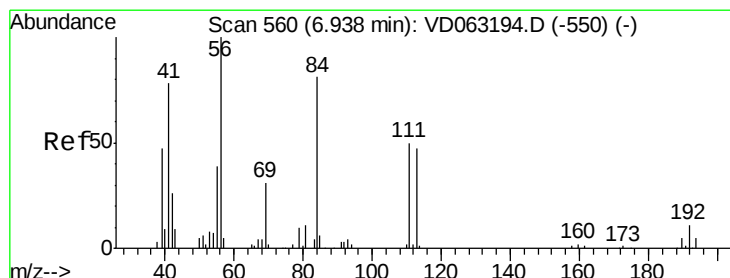
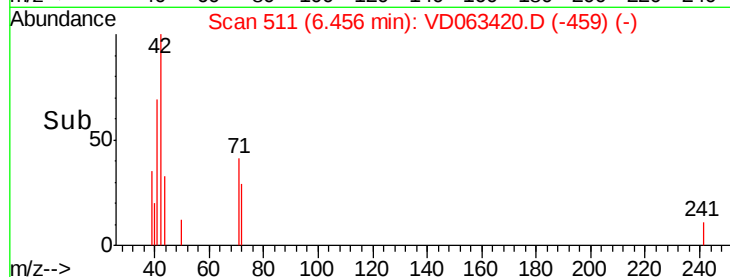
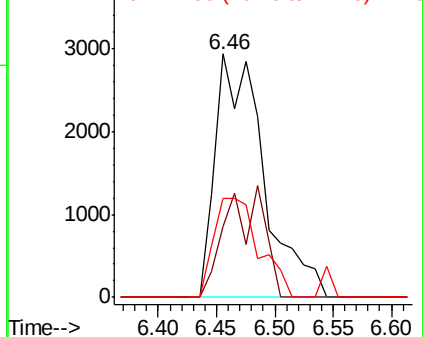
71 38.2 35.7 53.5



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: 2.287 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

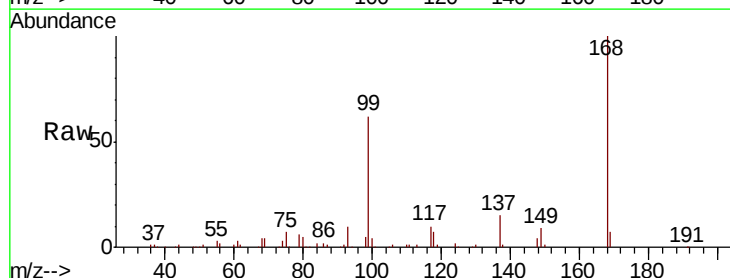
Tgt Ion: 56 Resp: 21205

Ion Ratio Lower Upper

56 100

69 182.9 24.5 36.7#

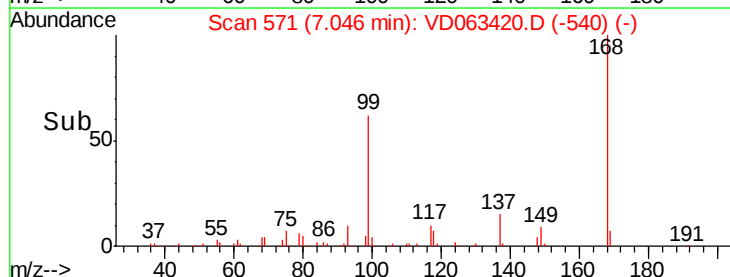
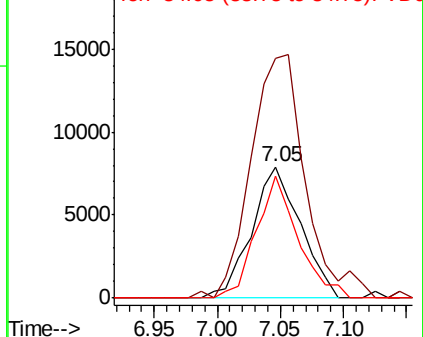
84 93.1 64.9 97.3

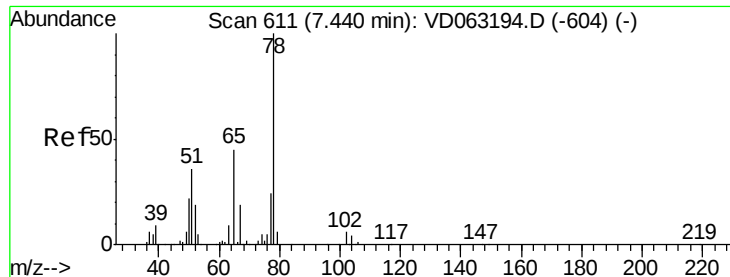


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 37.729 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

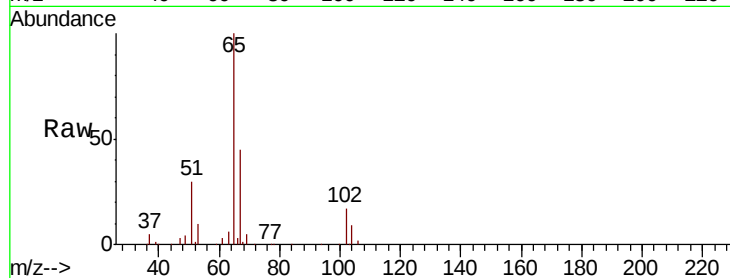
TRIPLE-BARREL-BC-EASTRE

Tgt Ion: 65 Resp: 392674

Ion Ratio Lower Upper

65 100

67 45.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

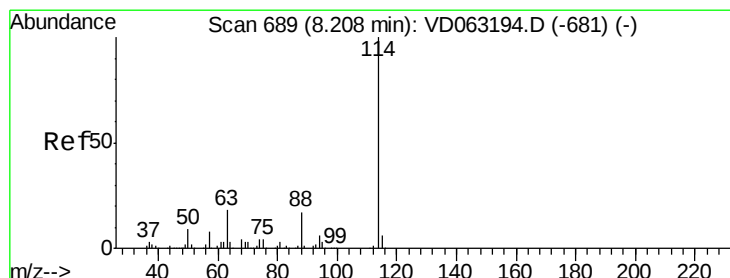
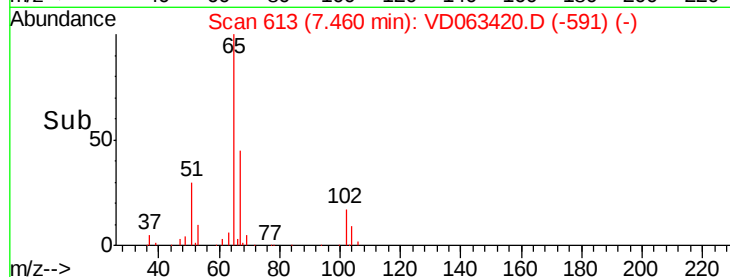
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

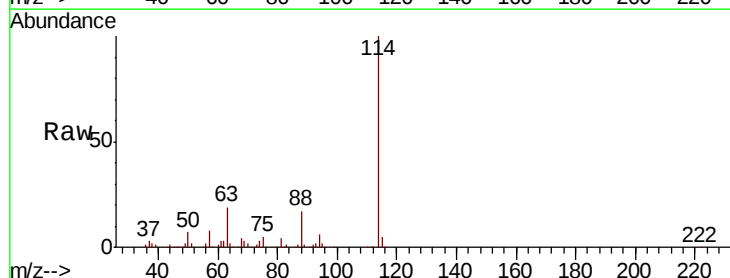
Tgt Ion: 114 Resp: 1197987

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

88 17.1 0.0 34.6



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

600000

500000

400000

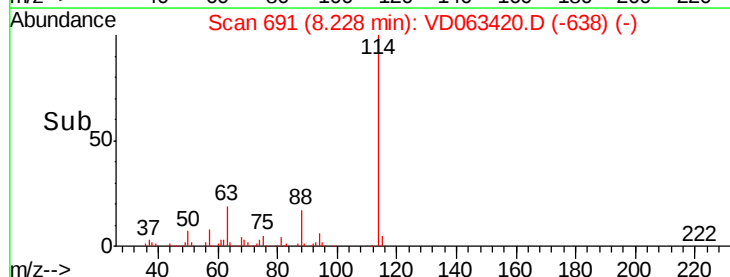
300000

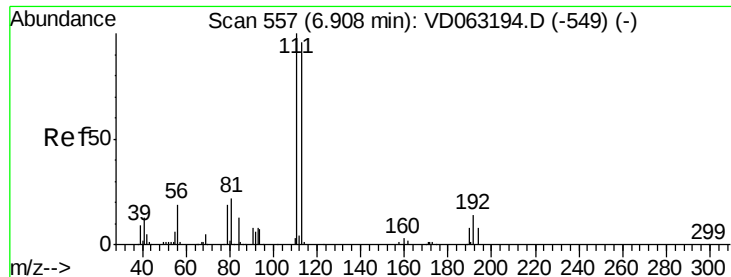
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 44.019 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

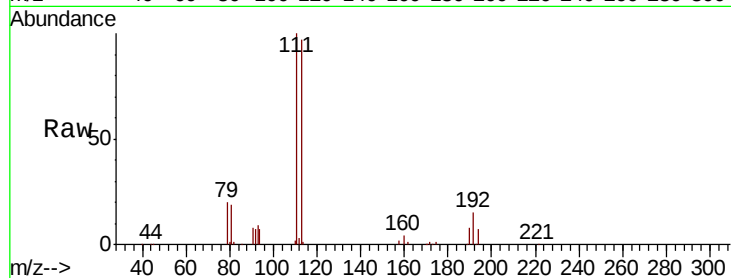
Tgt Ion:113 Resp: 450242

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

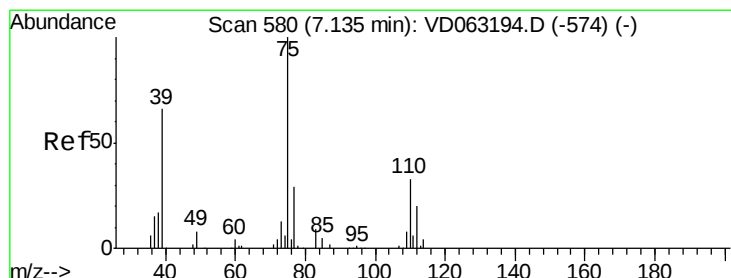
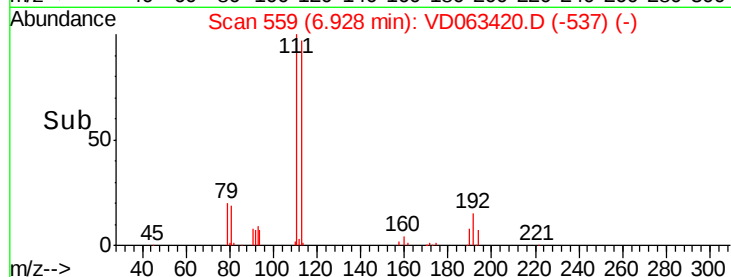
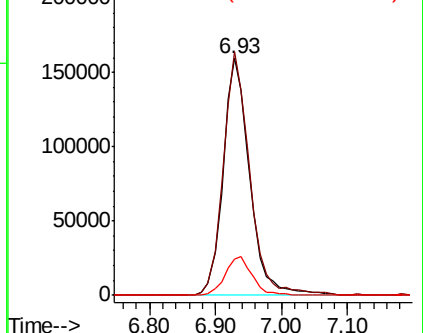
192 15.4 11.8 17.8



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: 6.369 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

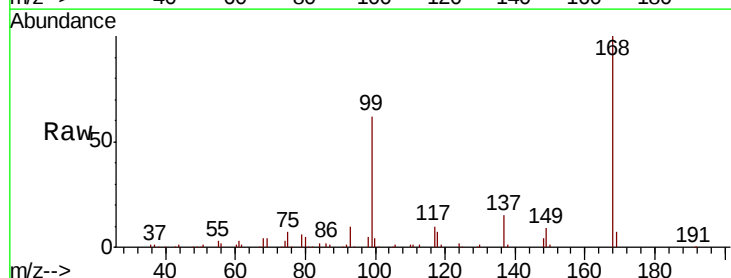
Tgt Ion: 75 Resp: 69633

Ion Ratio Lower Upper

75 100

110 13.9 16.1 48.2#

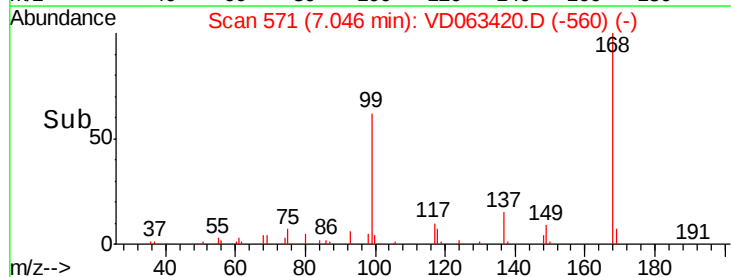
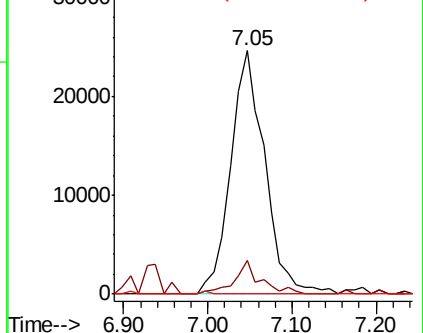
77 0.0 22.7 34.1#

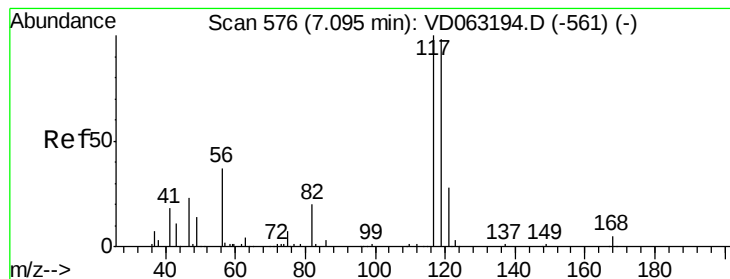


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

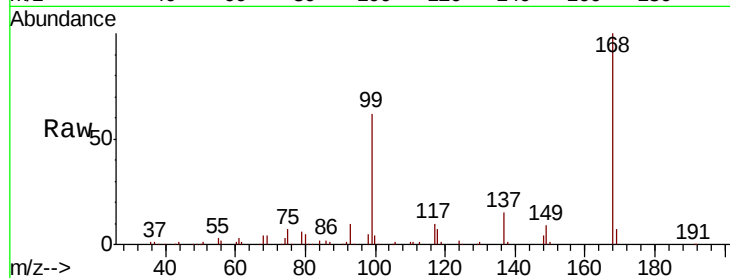
Tgt Ion:117 Resp: 90547

Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.2#

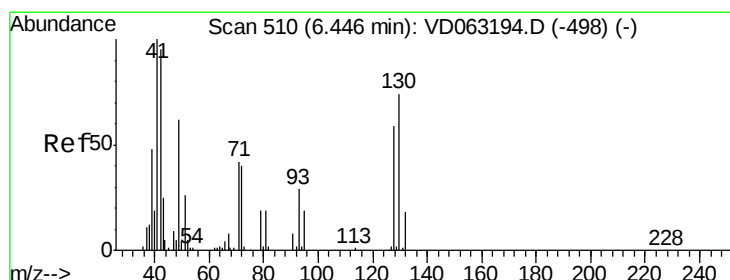
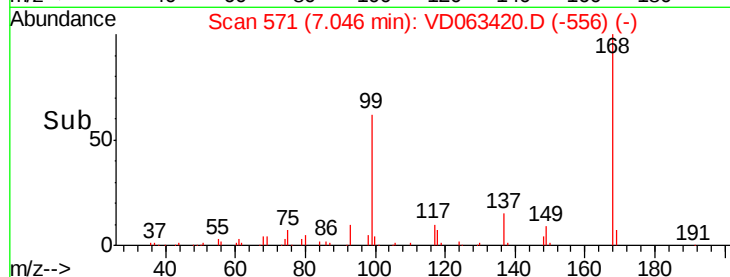
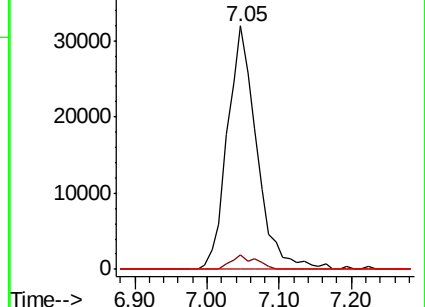
121 0.0 22.1 33.1#



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



#41

Methacrylonitrile

Concen: 1.118 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Tgt Ion: 41 Resp: 6566

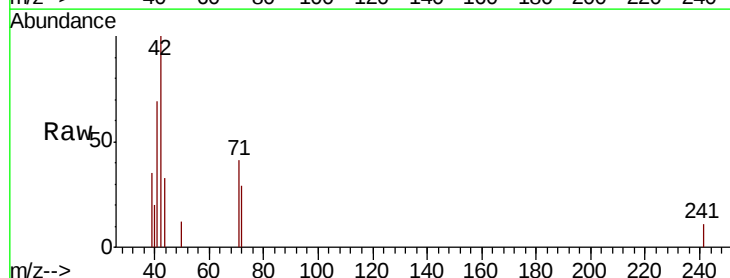
Ion Ratio Lower Upper

41 100

39 50.8 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

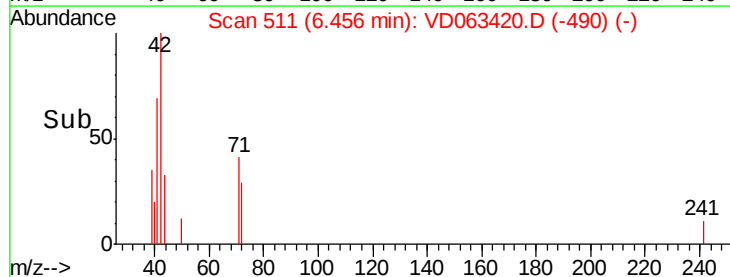
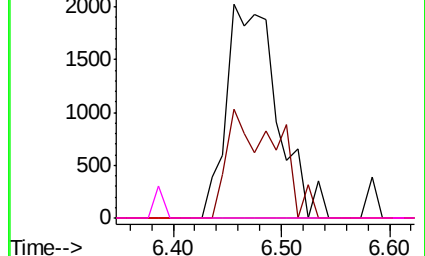


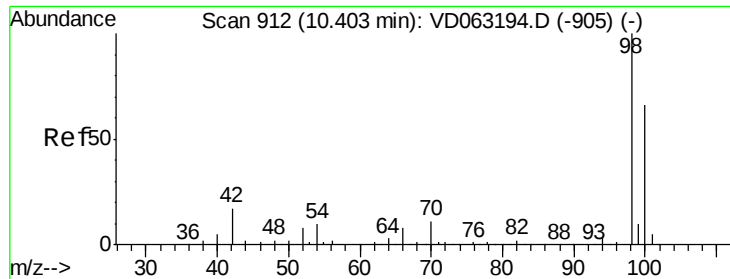
Abundance Ion 40.95 (40.65 to 41.65): V

Ion 38.95 (38.65 to 39.65): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

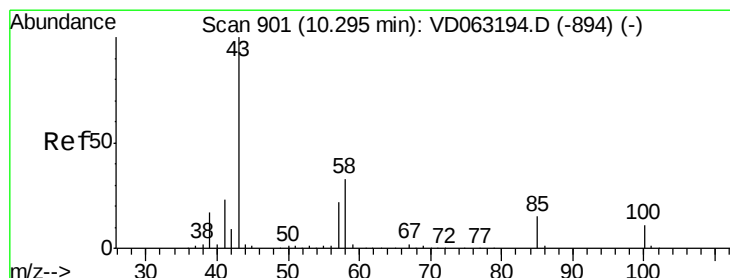
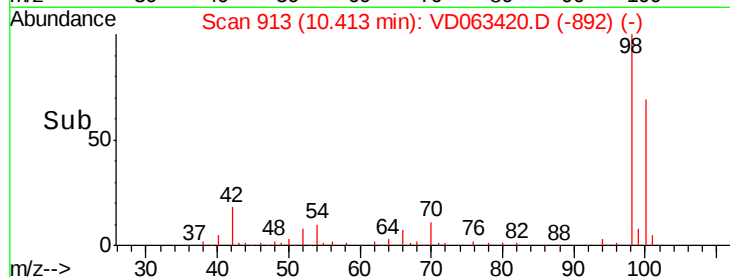
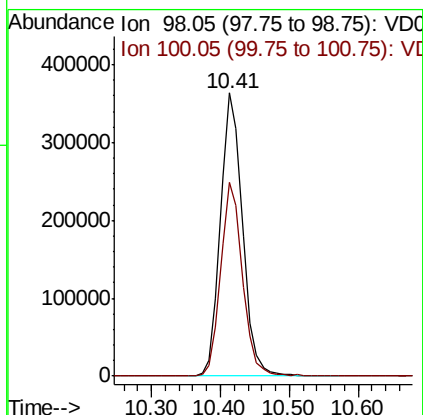
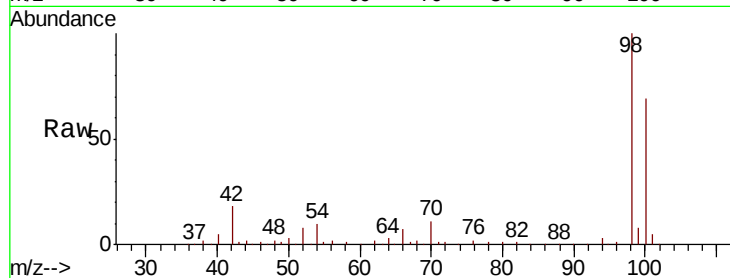




#50
Toluene-d8
Concen: 35.255 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063420.D
Acq: 7 Aug 2019 13:14

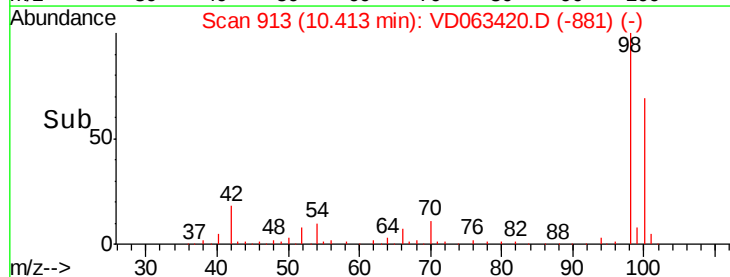
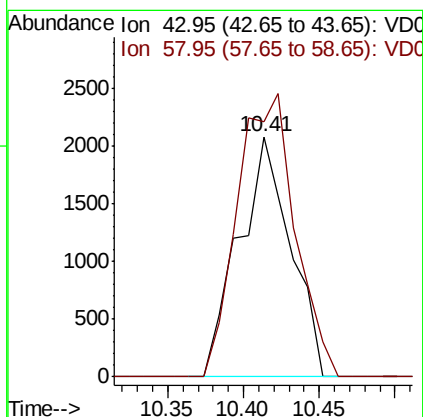
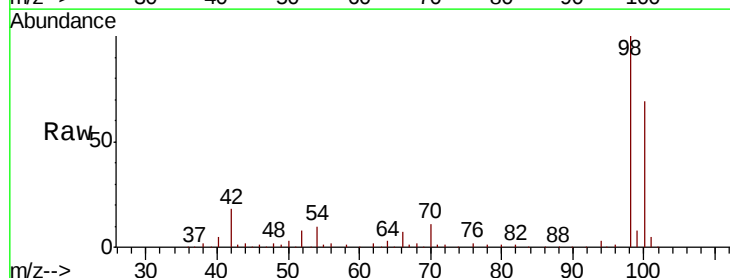
Instrument :
MSVOA_D
ClientSampleId :
TRIPLE-BARREL-BC-EASTRE

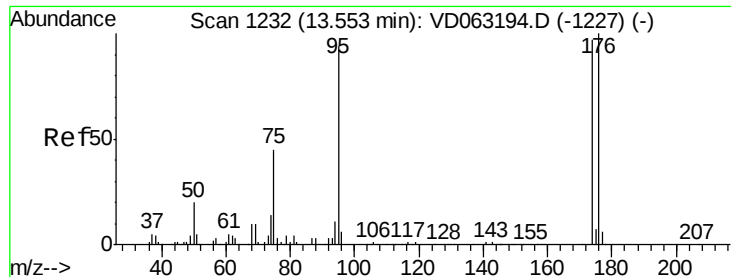
Tgt Ion: 98 Resp: 807011
Ion Ratio Lower Upper
98 100
100 68.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.163 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD063420.D
Acq: 7 Aug 2019 13:14

Tgt Ion: 43 Resp: 4961
Ion Ratio Lower Upper
43 100
58 106.1 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 23.724 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

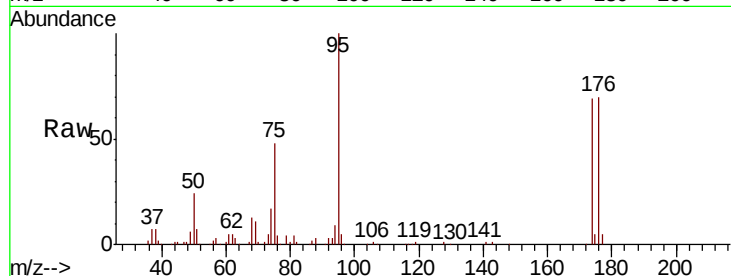
Tgt Ion: 95 Resp: 247468

Ion Ratio Lower Upper

95 100

174 69.0 0.0 205.4

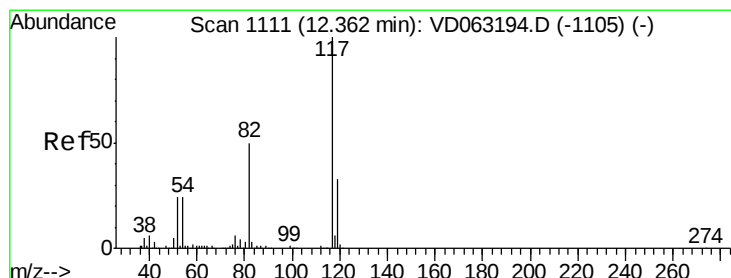
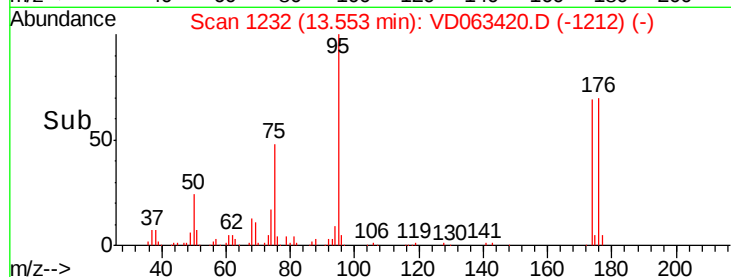
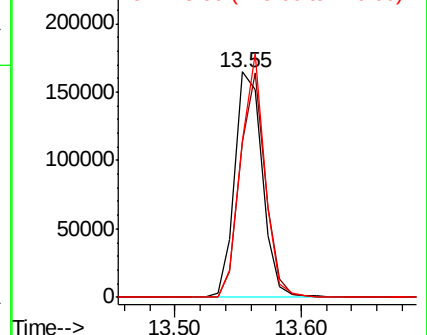
176 69.7 0.0 211.8



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: VD063420.D

Acq: 7 Aug 2019 13:14

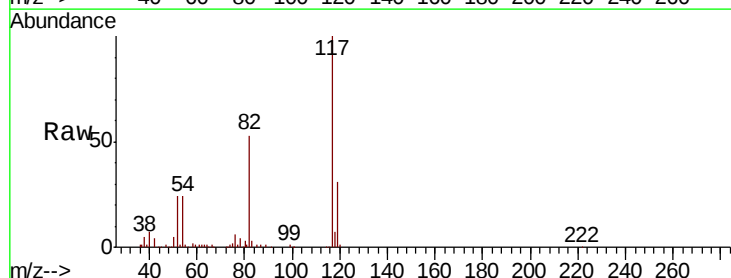
Tgt Ion: 117 Resp: 776791

Ion Ratio Lower Upper

117 100

82 52.5 40.1 60.1

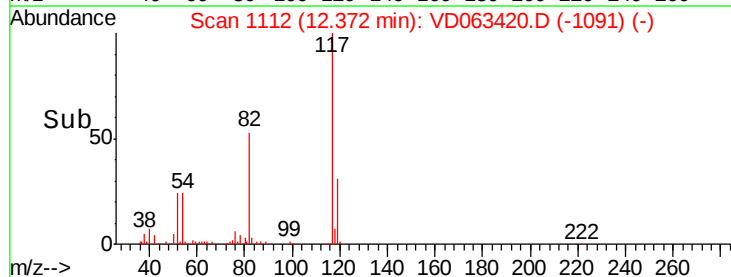
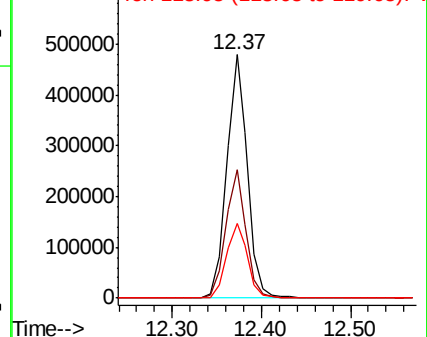
119 30.9 26.5 39.7

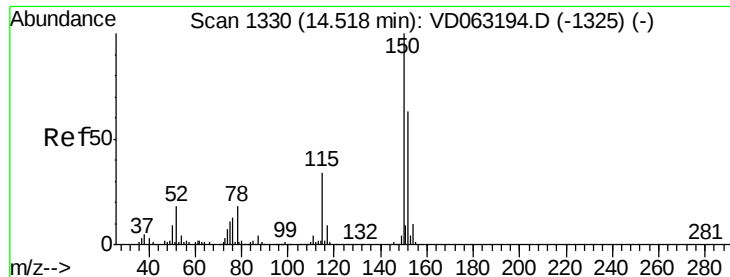


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.00 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

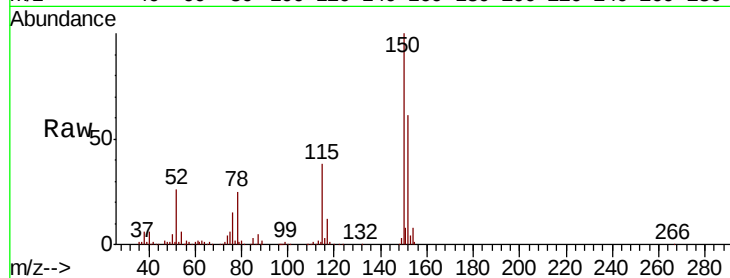
Tgt Ion: 152 Resp: 237035

Ion Ratio Lower Upper

152 100

115 62.5 27.5 82.4

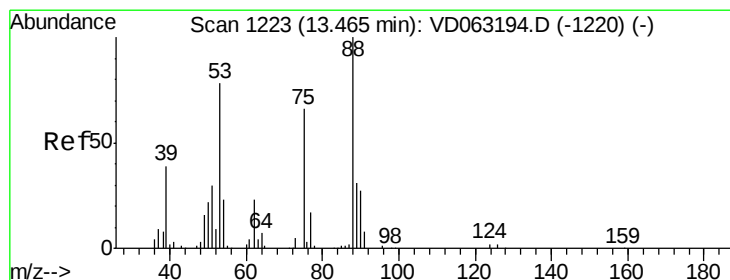
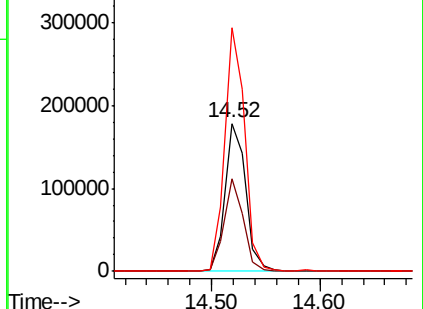
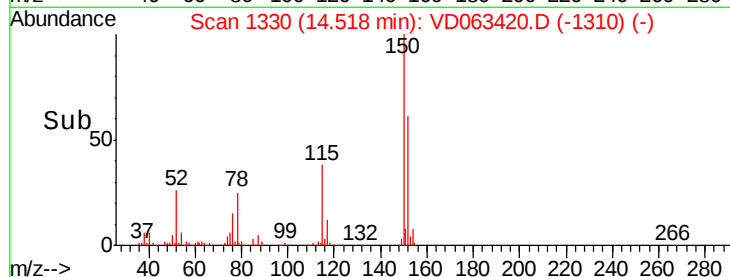
150 164.5 0.0 320.6



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: 142.600 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

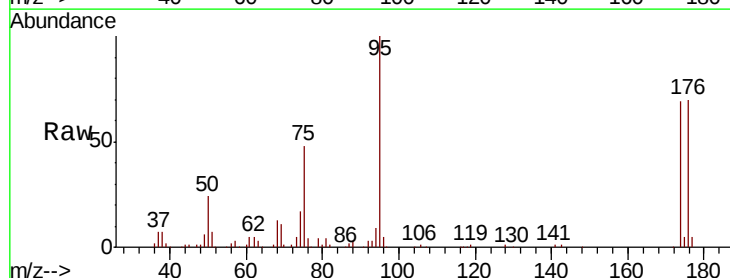
Tgt Ion: 75 Resp: 112737

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

