

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063419.D
 Acq On : 7 Aug 2019 12:47
 Operator : JC/SY
 Sample : K4192-02RE
 Misc : 4.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 08 08:05:57 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	900139	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1268694	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	815410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	254916	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	477706	47.83	ug/l	0.02
Spiked Amount 50.000			Recovery =	95.66%		
35) Dibromofluoromethane	6.93	113	514116	47.46	ug/l	0.02
Spiked Amount 50.000			Recovery =	94.92%		
50) Toluene-d8	10.42	98	980125	40.43	ug/l	0.02
Spiked Amount 50.000			Recovery =	80.86%		
62) 4-Bromofluorobenzene	13.56	95	301313	27.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	54.56%		

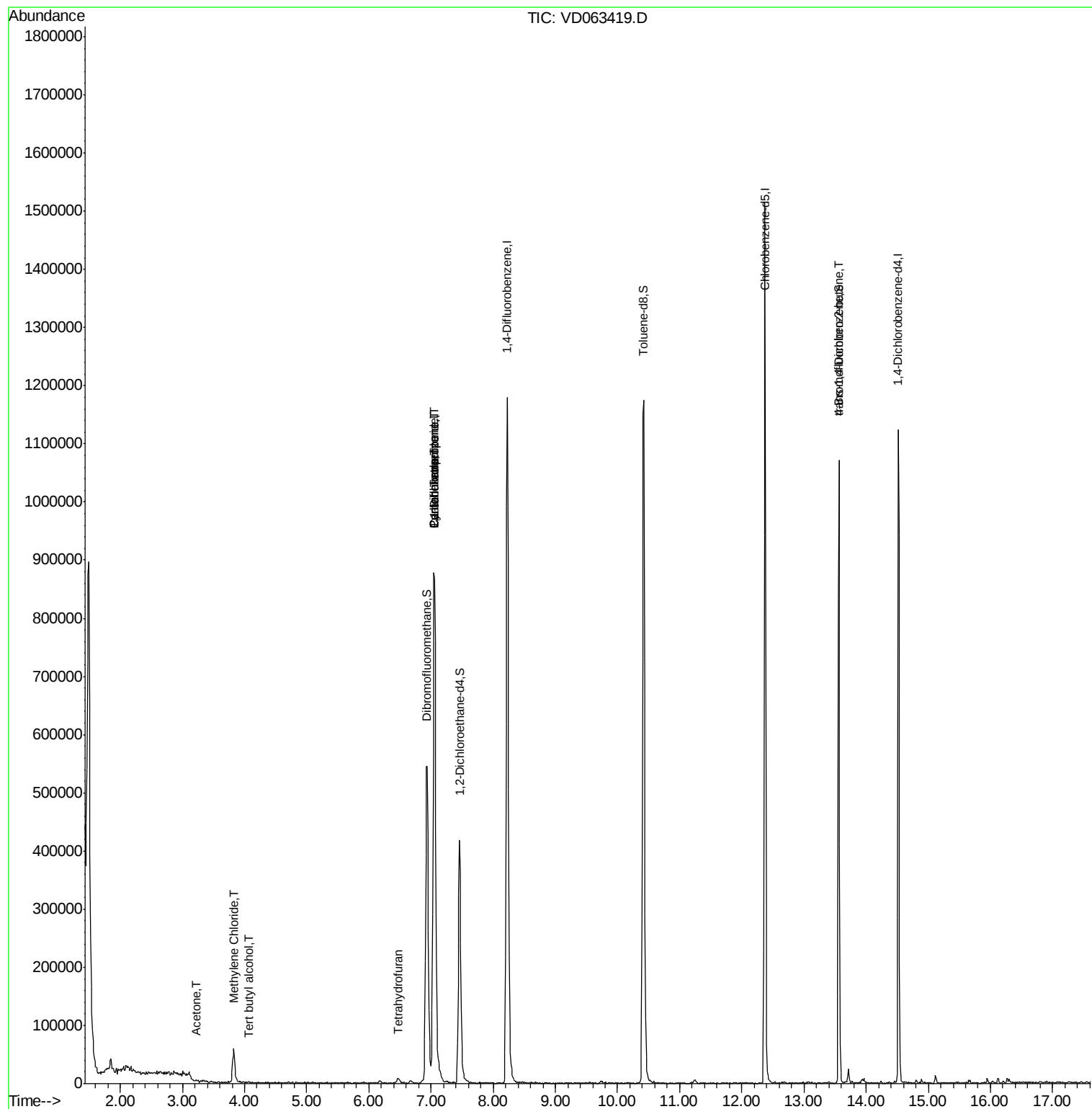
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	926	2.113	ug/l #	69
16) Acetone	3.24	43	3064	1.574	ug/l #	62
20) Methylene Chloride	3.83	84	34193	4.347	ug/l #	88
29) Tetrahydrofuran	6.47	42	6418	6.941	ug/l #	93
31) Cyclohexane	7.04	56	20003	2.248	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	71659	6.189	ug/l #	52
38) Carbon Tetrachloride	7.05	117	88333	5.068	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.56	75	136619	160.687	ug/l #	3

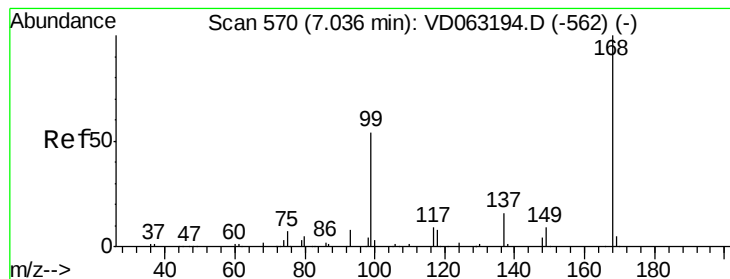
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

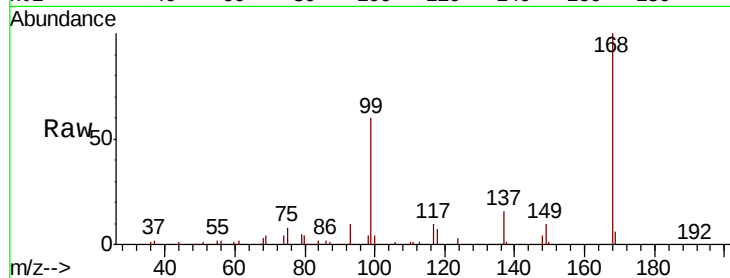
TRIPLE-BARREL-BC-WESTRE

Tgt Ion:168 Resp: 900139

Ion Ratio Lower Upper

168 100

99 59.8 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

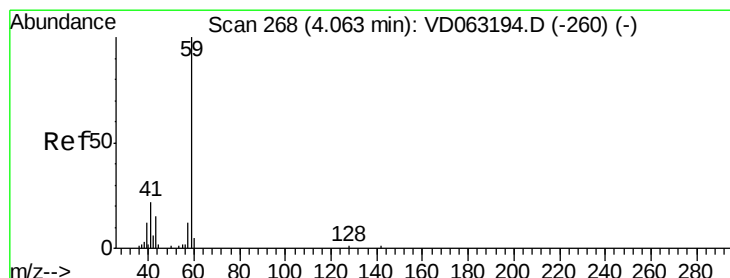
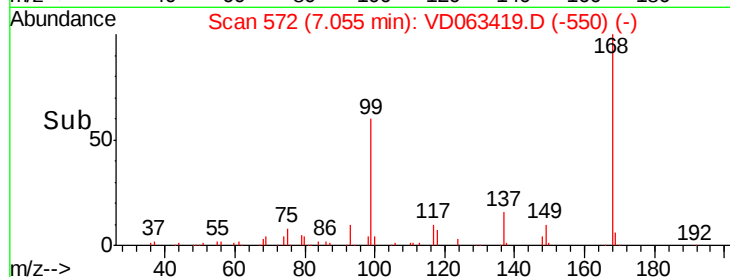
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.113 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063419.D

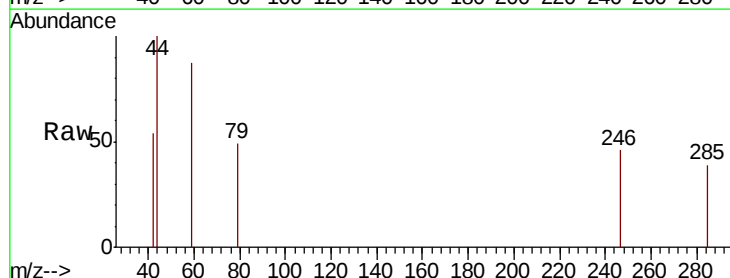
Acq: 7 Aug 2019 12:47

Tgt Ion: 59 Resp: 926

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.06

800

600

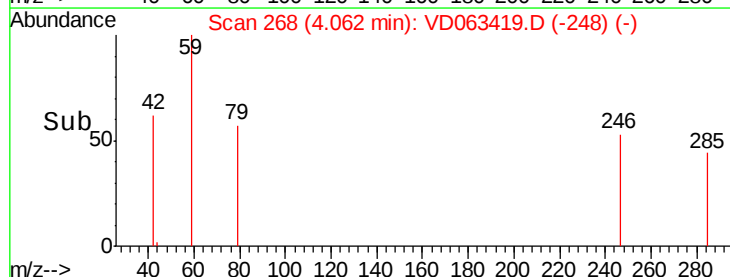
400

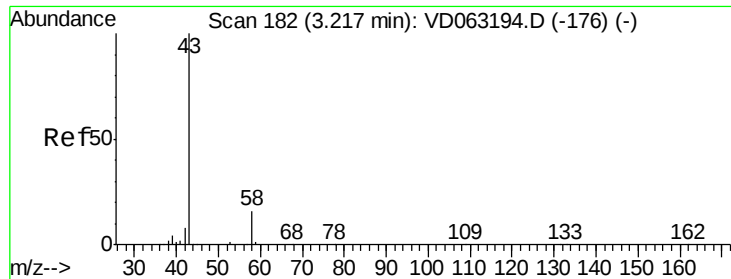
200

0

Time-->

4.05 4.10





#16

Acetone

Concen: 1.574 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

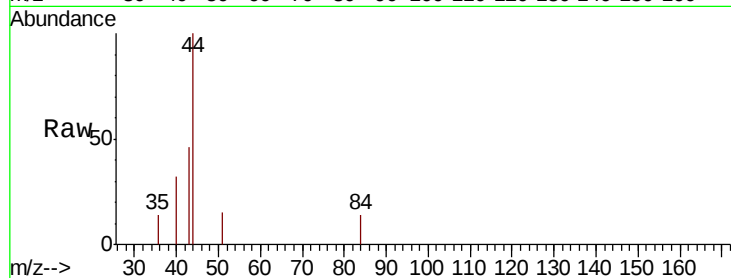
TRIPLE-BARREL-BC-WESTRE

Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

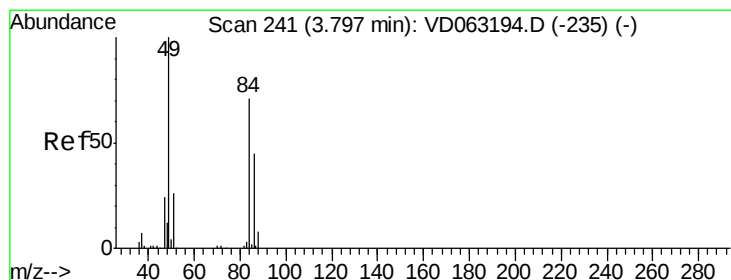
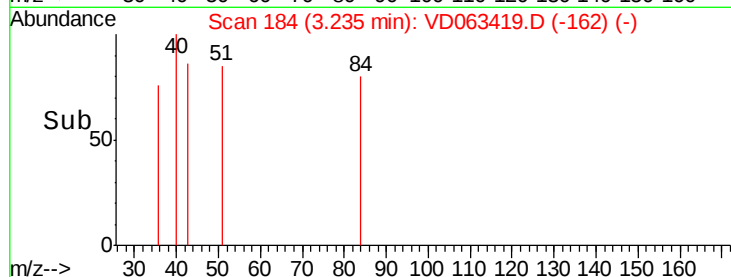
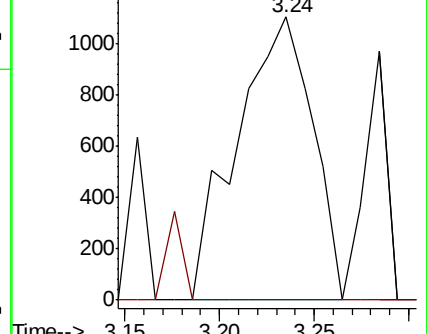
43 100

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



#20

Methylene Chloride

Concen: 4.347 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Tgt Ion: 84 Resp: 34193

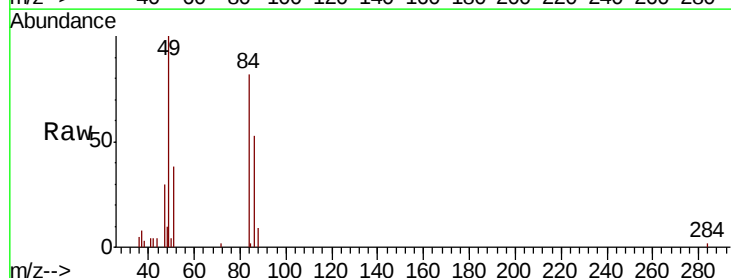
Ion Ratio Lower Upper

84 100

49 122.1 112.5 168.7

51 46.3 29.6 44.4#

86 64.8 50.4 75.6

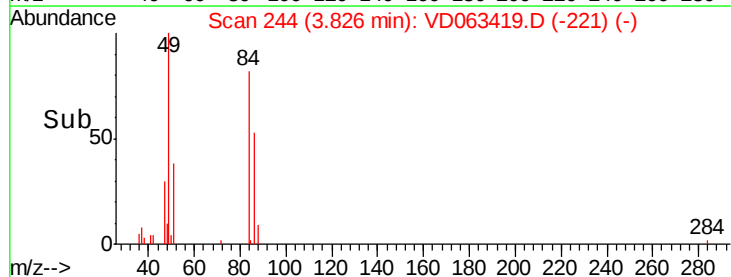
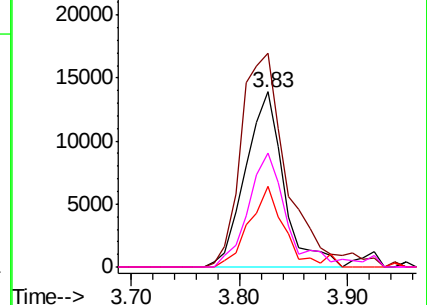


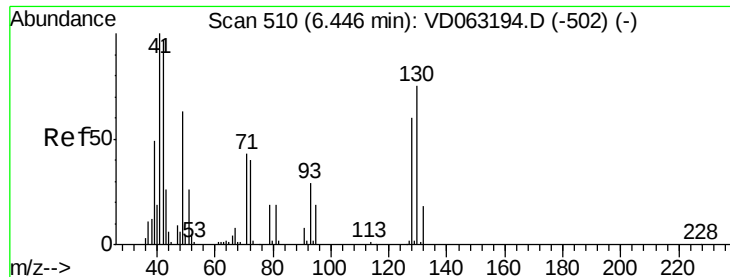
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 6.941 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-WESTRE

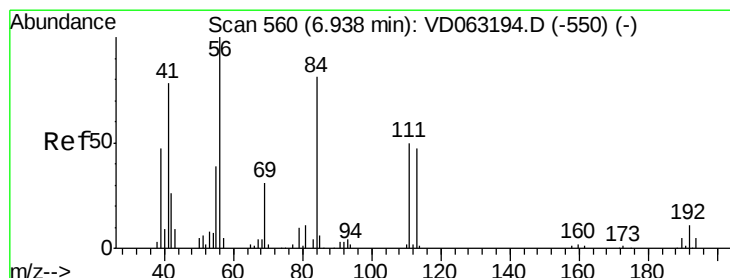
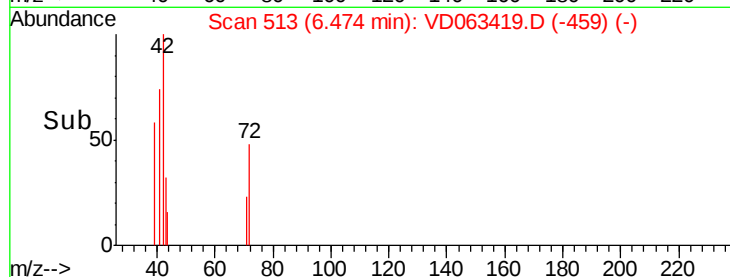
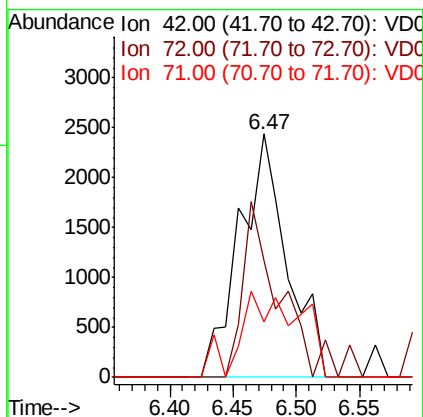
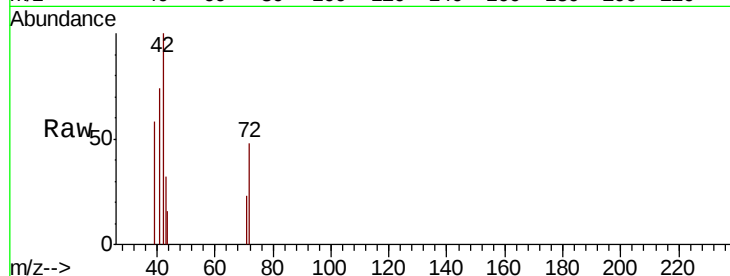
Tgt Ion: 42 Resp: 6418

Ion Ratio Lower Upper

42 100

72 50.9 33.4 50.2#

71 44.5 35.7 53.5



#31

Cyclohexane

Concen: 2.248 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

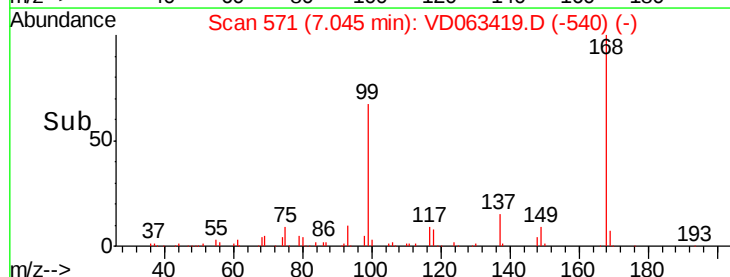
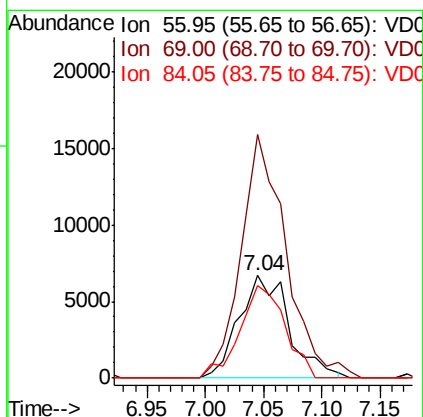
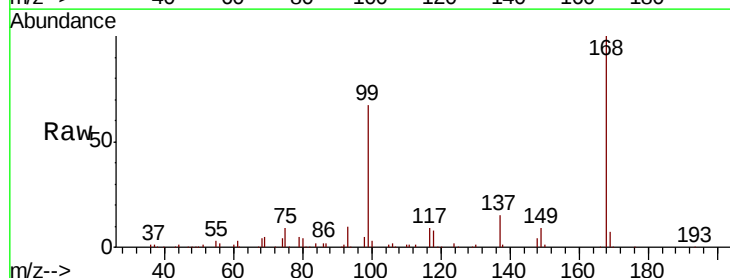
Tgt Ion: 56 Resp: 20003

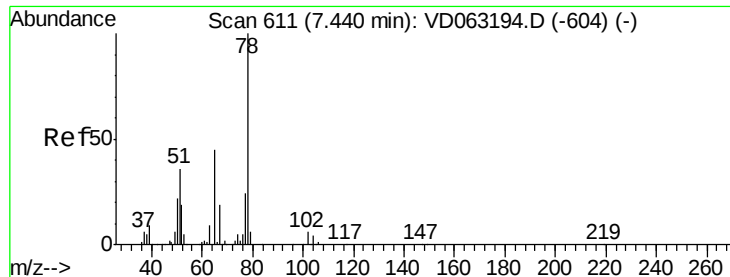
Ion Ratio Lower Upper

56 100

69 237.3 24.5 36.7#

84 90.7 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 47.828 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

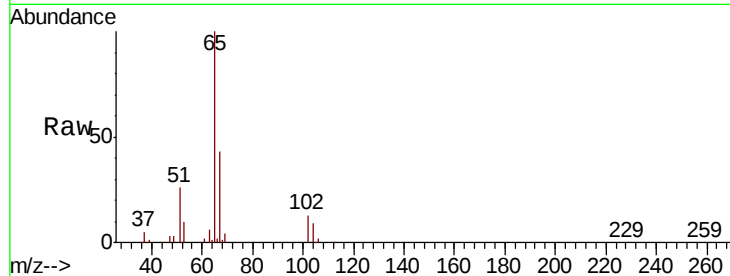
TRIPLE-BARREL-BC-WESTRE

Tgt Ion: 65 Resp: 477706

Ion Ratio Lower Upper

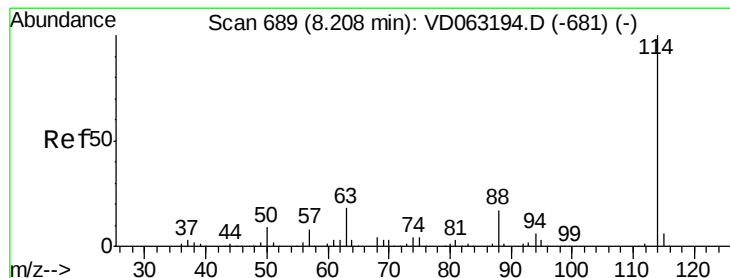
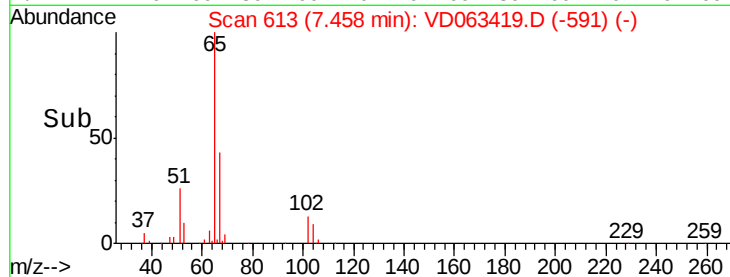
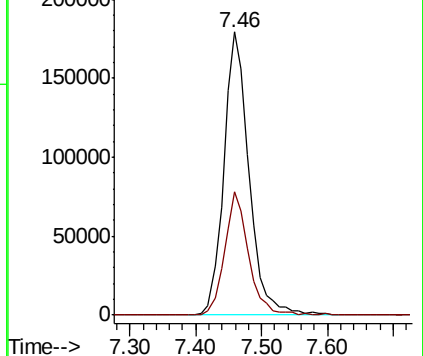
65 100

67 43.4 0.0 85.8



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. 0.02 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

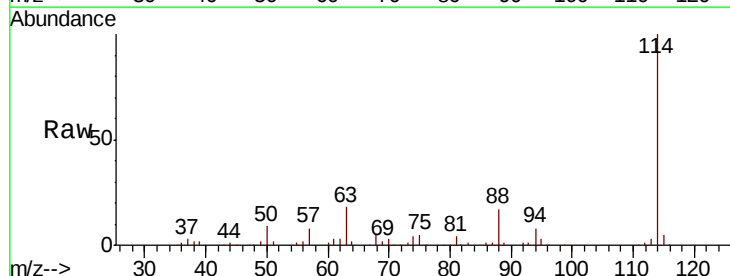
Tgt Ion: 114 Resp: 1268694

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

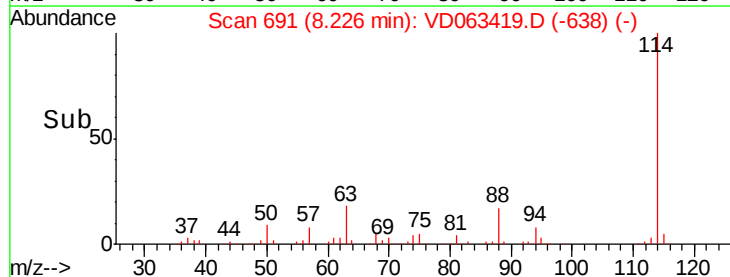
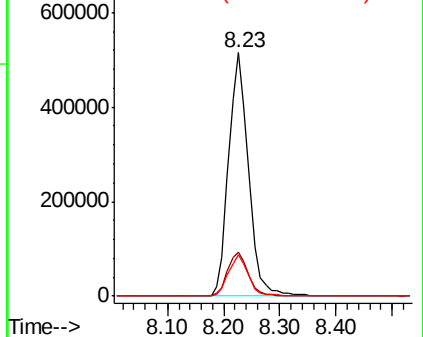
88 16.8 0.0 34.6

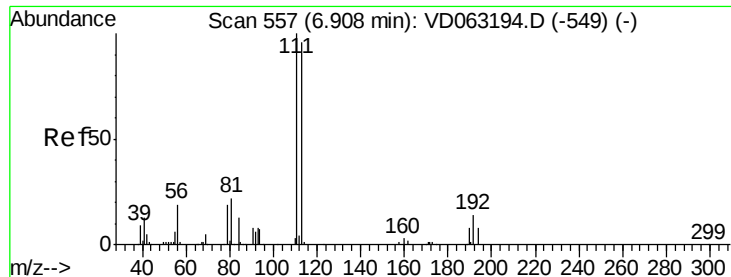


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 47.463 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-WESTRE

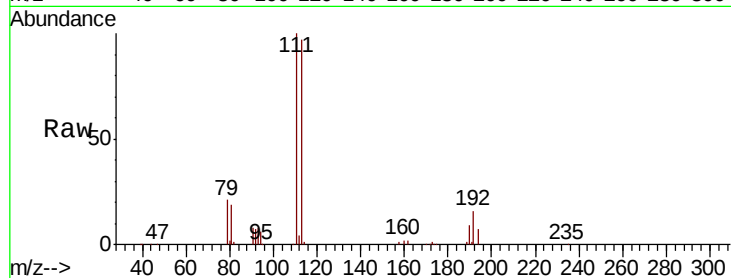
Tgt Ion: 113 Resp: 514116

Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

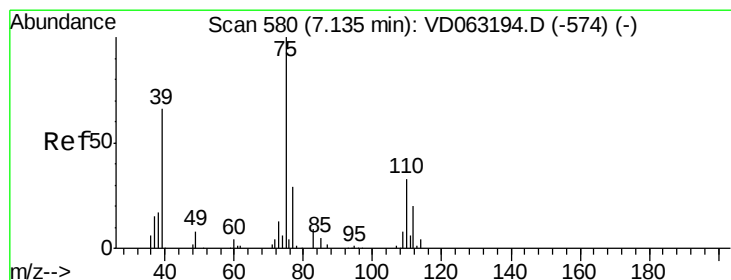
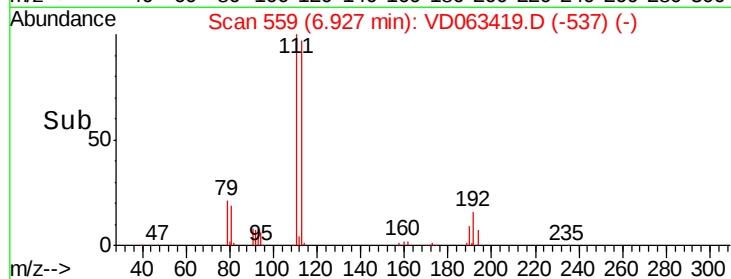
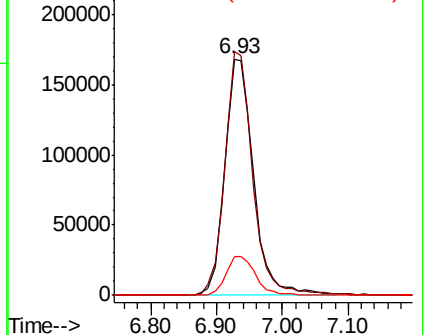
192 16.2 11.8 17.8



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: 6.189 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

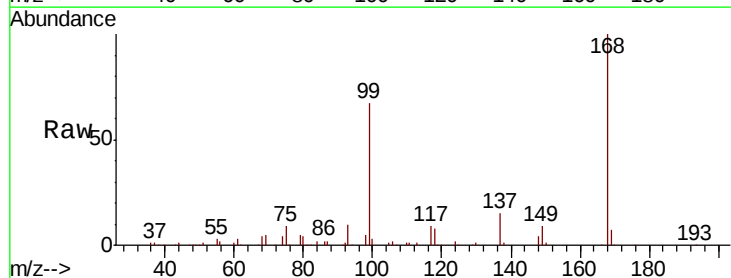
Tgt Ion: 75 Resp: 71659

Ion Ratio Lower Upper

75 100

110 8.6 16.1 48.2#

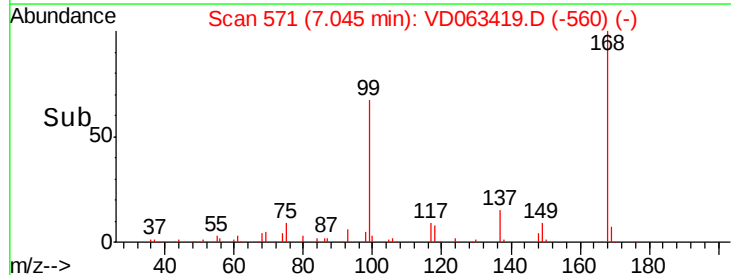
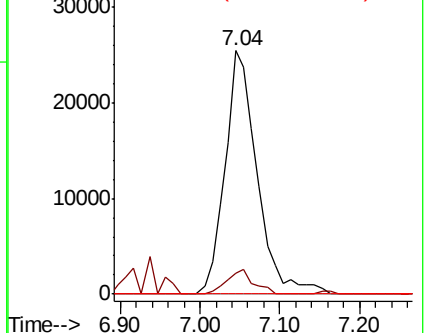
77 0.0 22.7 34.1#

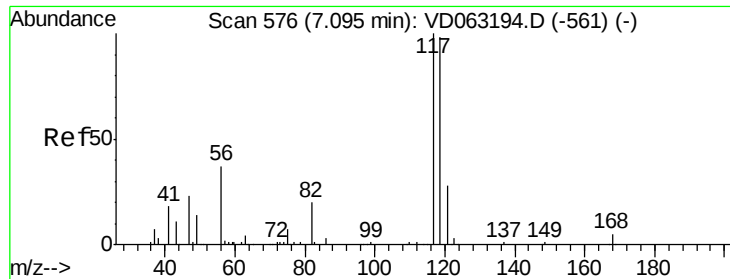


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.068 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-WESTRE

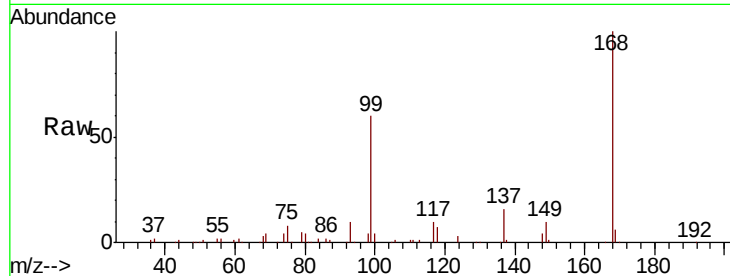
Tgt Ion:117 Resp: 88333

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

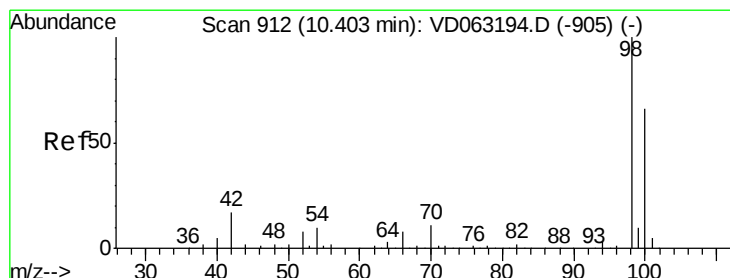
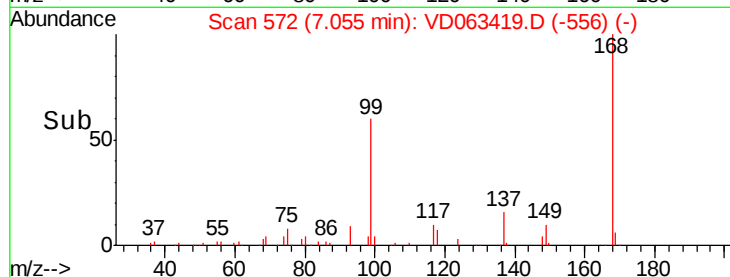
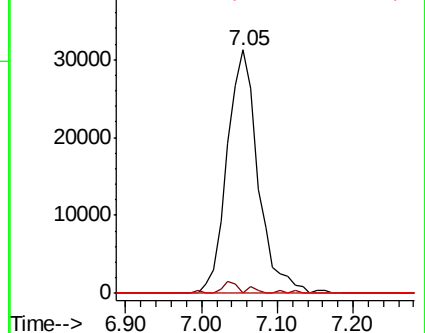
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 40.431 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063419.D

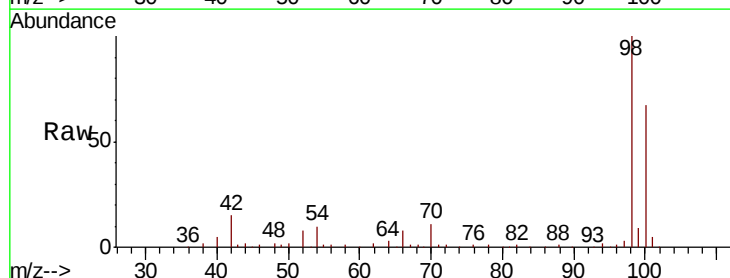
Acq: 7 Aug 2019 12:47

Tgt Ion: 98 Resp: 980125

Ion Ratio Lower Upper

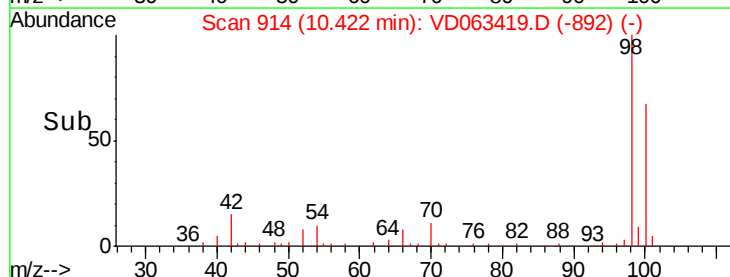
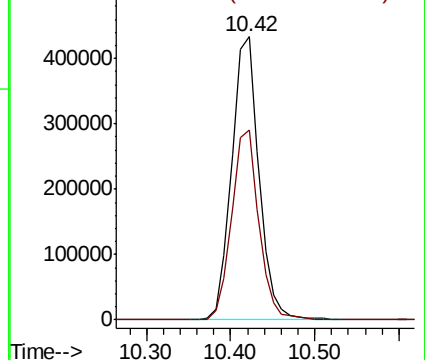
98 100

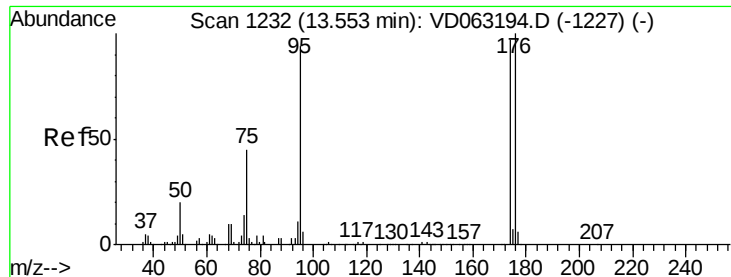
100 67.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 27.276 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

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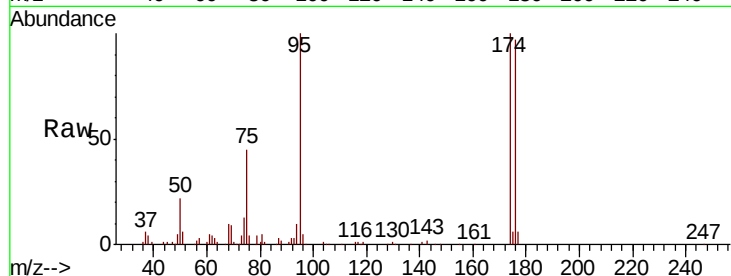
Tgt Ion: 95 Resp: 301313

Ion Ratio Lower Upper

95 100

174 99.8 0.0 205.4

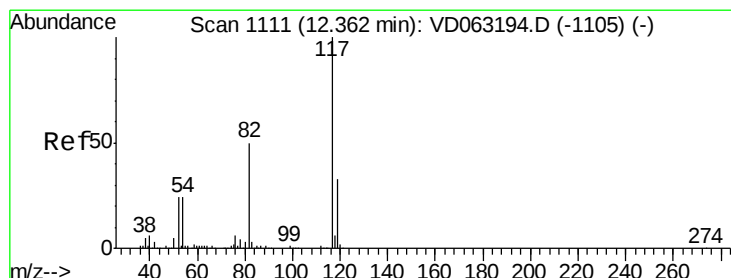
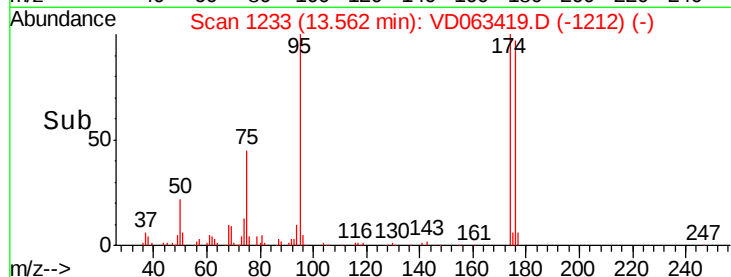
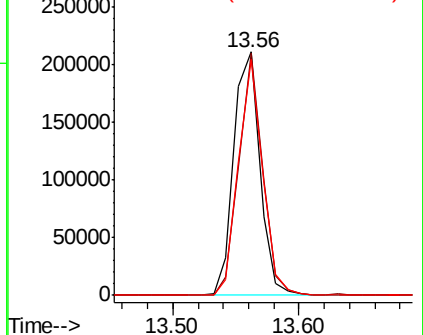
176 96.8 0.0 211.8



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: VD063419.D

Acq: 7 Aug 2019 12:47

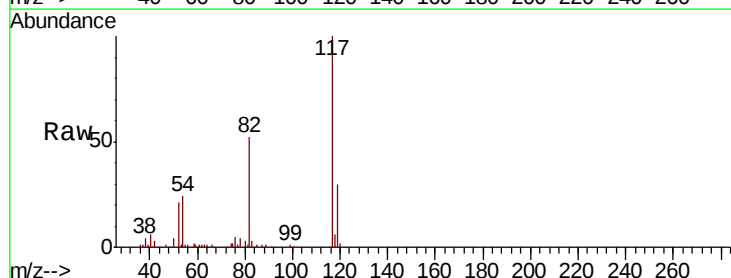
Tgt Ion: 117 Resp: 815410

Ion Ratio Lower Upper

117 100

82 51.9 40.1 60.1

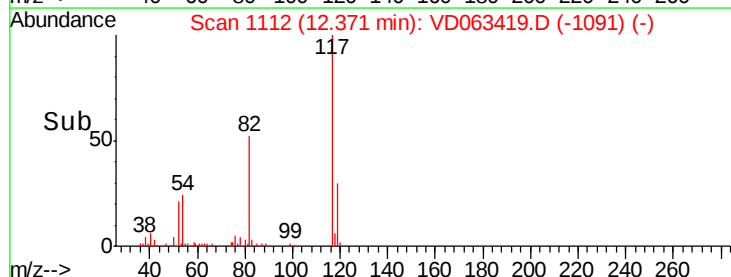
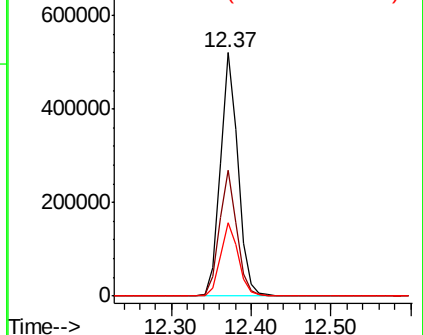
119 30.0 26.5 39.7

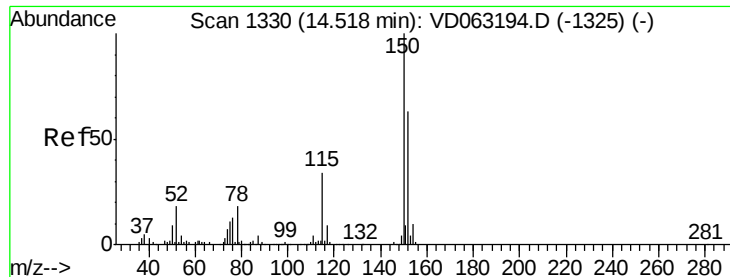


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063419.D

Acq: 7 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-WESTRE

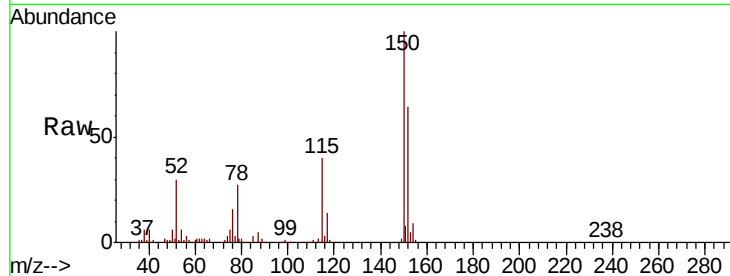
Tgt Ion:152 Resp: 254916

Ion Ratio Lower Upper

152 100

115 61.8 27.5 82.4

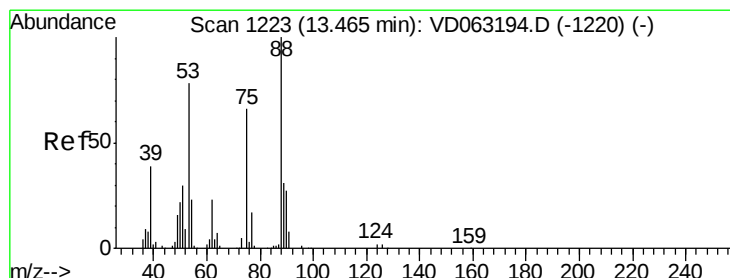
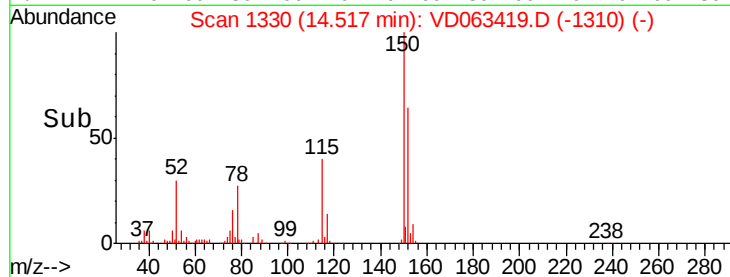
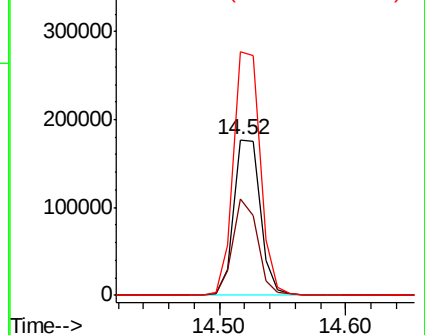
150 156.3 0.0 320.6



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: 160.687 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063419.D

Acq: 7 Aug 2019 12:47

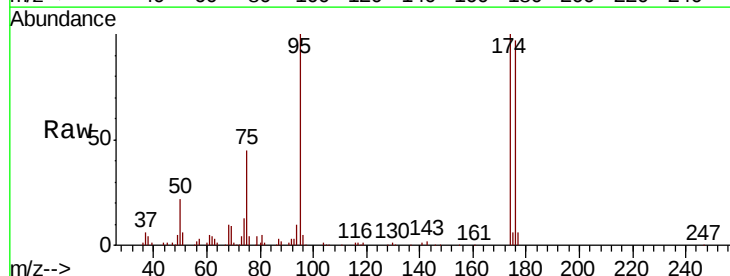
Tgt Ion: 75 Resp: 136619

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

