

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063409.D
 Acq On : 6 Aug 2019 19:55
 Operator : JC/SY
 Sample : K4192-04
 Misc : 4.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 07 06:44:08 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	904462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1205111	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	772902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	280599	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	462044	46.04	ug/l	0.02
Spiked Amount			Recovery	=	92.08%	
35) Dibromofluoromethane	6.93	113	492223	47.84	ug/l	0.02
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.41	98	864158	37.53	ug/l	0.00
Spiked Amount			Recovery	=	75.06%	
62) 4-Bromofluorobenzene	13.56	95	299832	28.57	ug/l	0.00
Spiked Amount			Recovery	=	57.14%	

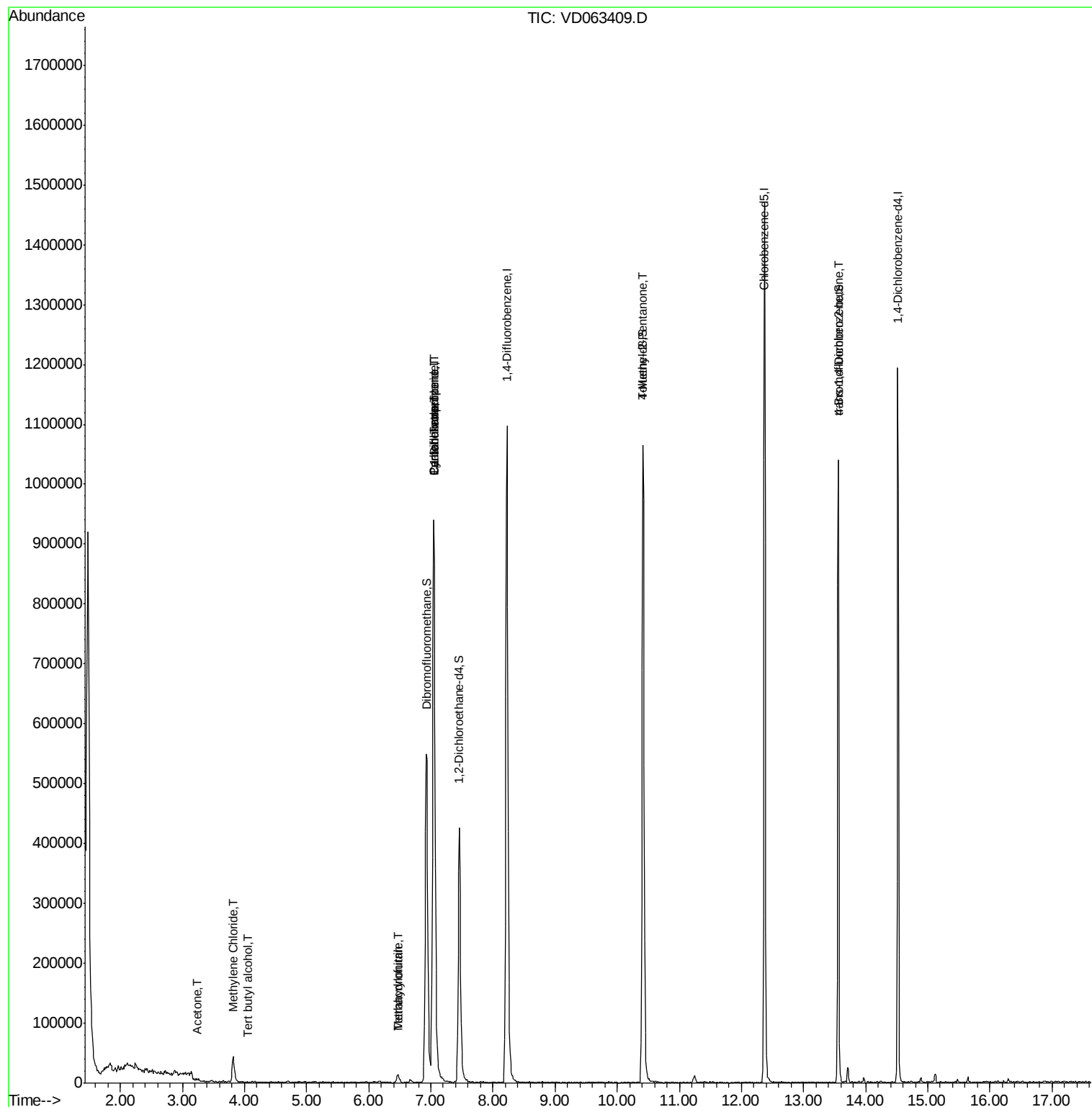
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	475	1.079	ug/l #	69
16) Acetone	3.24	43	4777	2.443	ug/l #	62
20) Methylene Chloride	3.82	84	23904	3.024	ug/l #	83
29) Tetrahydrofuran	6.47	42	9892	10.647	ug/l	98
31) Cyclohexane	7.05	56	18071	2.021	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	70682	6.427	ug/l #	53
38) Carbon Tetrachloride	7.05	117	91598	5.532	ug/l #	16
41) Methacrylonitrile	6.47	41	7580	1.282	ug/l #	93
51) 4-Methyl-2-Pentanone	10.42	43	4794	1.117	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	135354	144.628	ug/l #	3

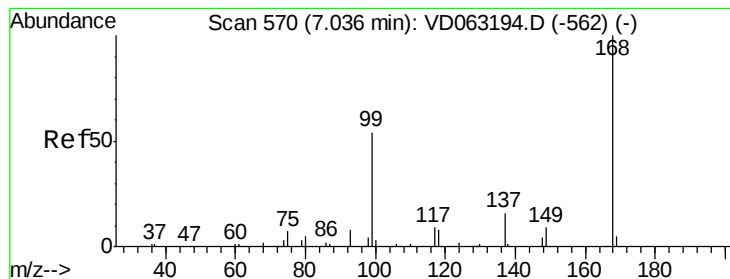
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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Quant Time: Aug 07 06:44:08 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: VD063409.D

Acq: 6 Aug 2019 19:55

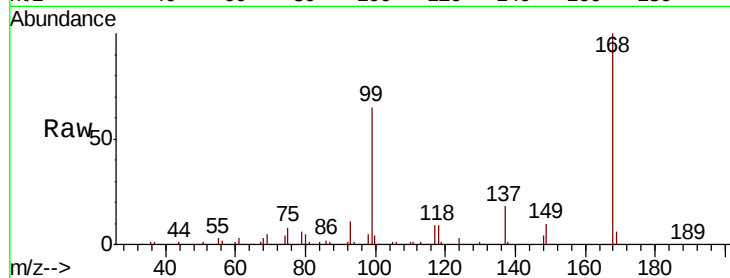
Instrument :
MSVOA_D
ClientSampleId :
TRIPLE-BARREL-BC-EAST

Tgt Ion: 168 Resp: 904462

Ion Ratio Lower Upper

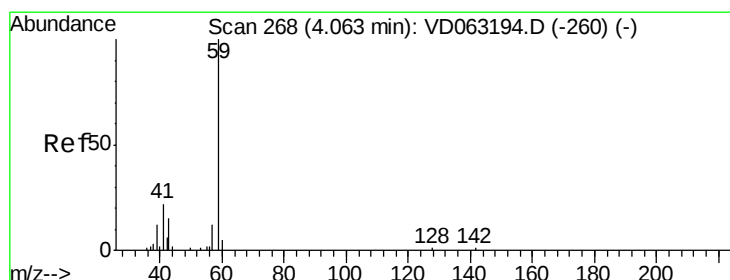
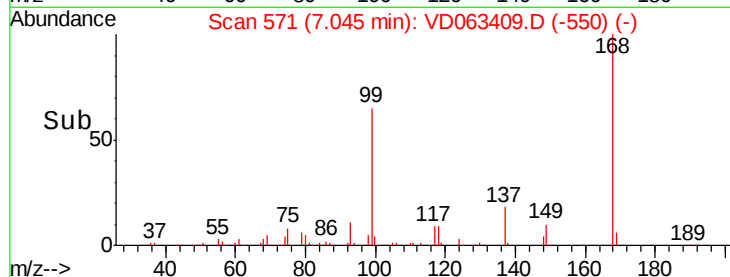
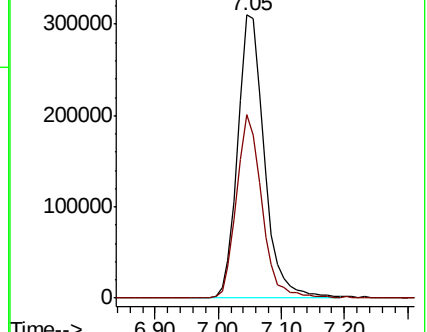
168 100

99 64.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.079 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063409.D

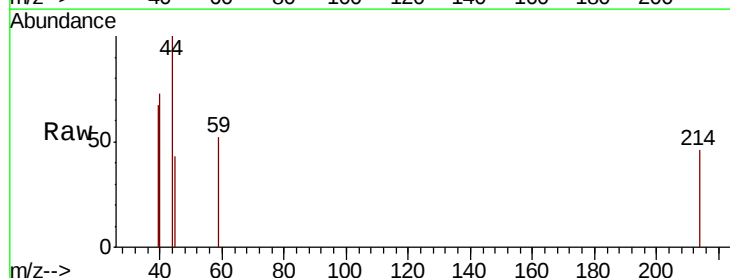
Acq: 6 Aug 2019 19:55

Tgt Ion: 59 Resp: 475

Ion Ratio Lower Upper

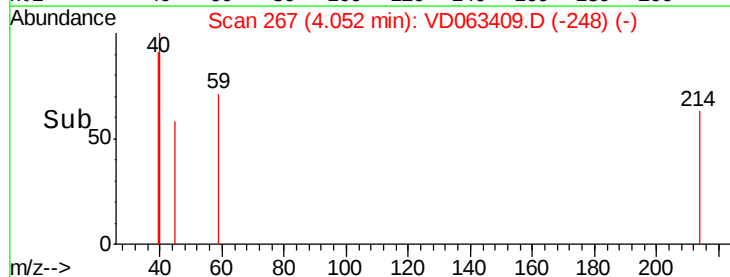
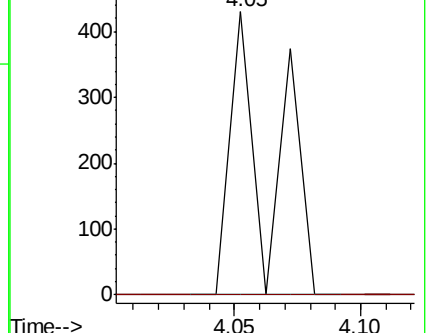
59 100

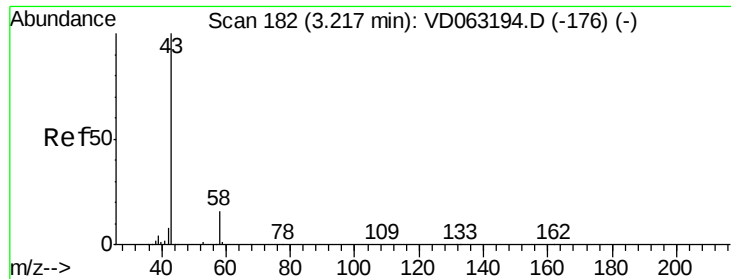
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.443 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

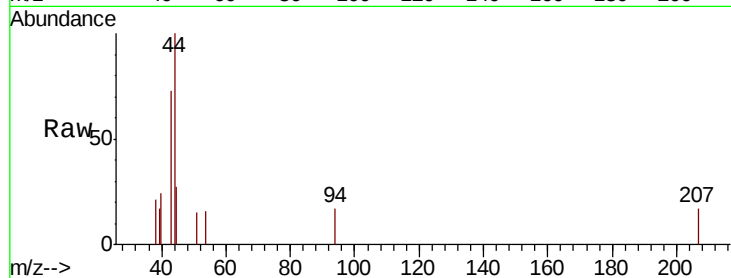
TRIPLE-BARREL-BC-EAST

Tgt Ion: 43 Resp: 4777

Ion Ratio Lower Upper

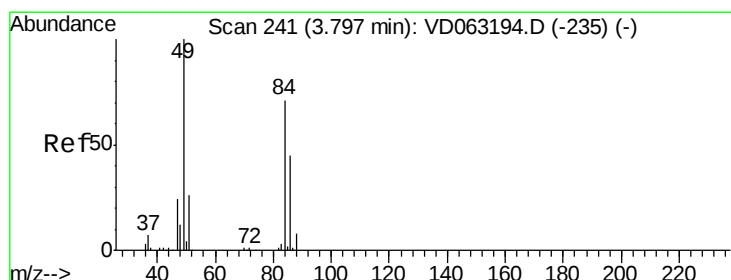
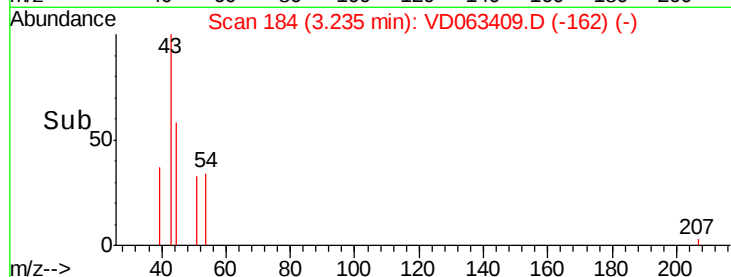
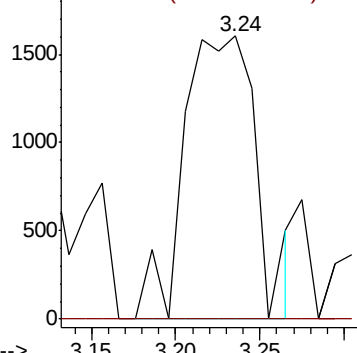
43 100

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: 3.024 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Tgt Ion: 84 Resp: 23904

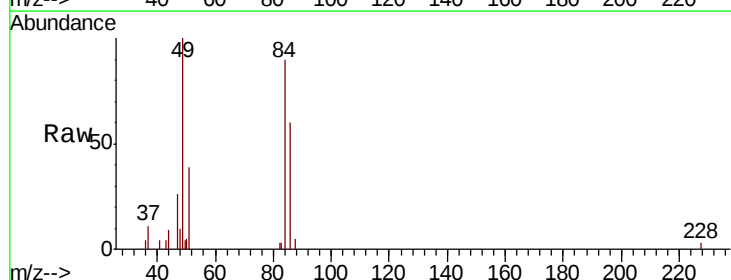
Ion Ratio Lower Upper

84 100

49 111.6 112.5 168.7#

51 43.9 29.6 44.4

86 67.2 50.4 75.6

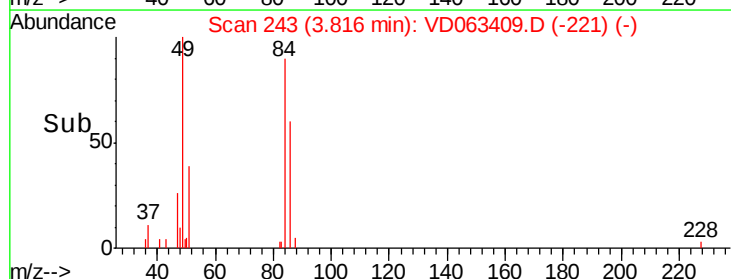
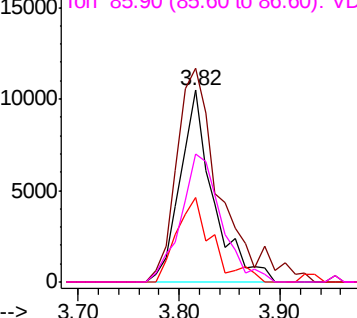


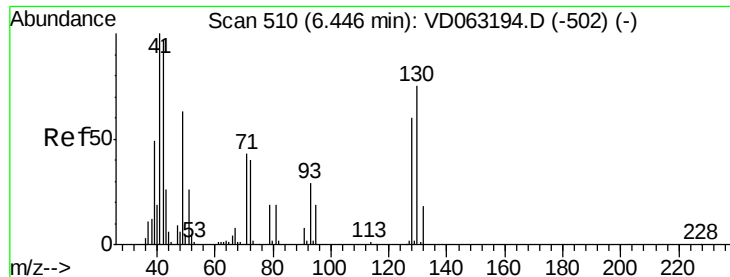
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

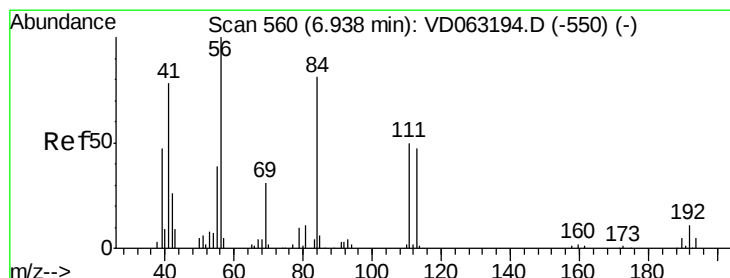
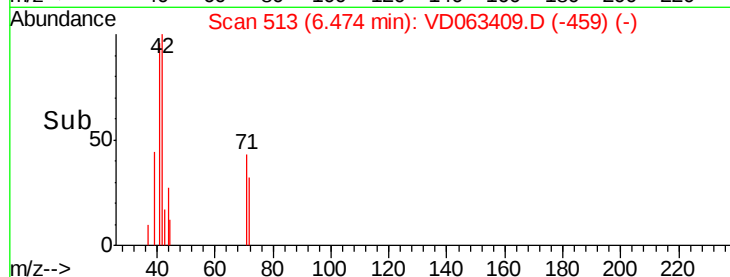
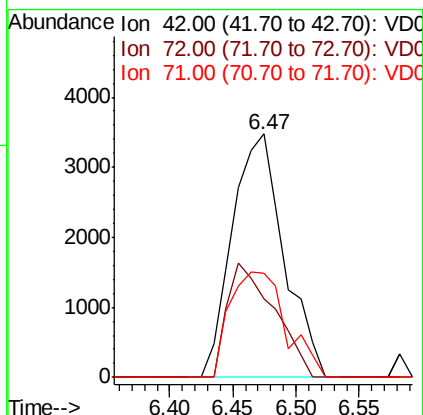
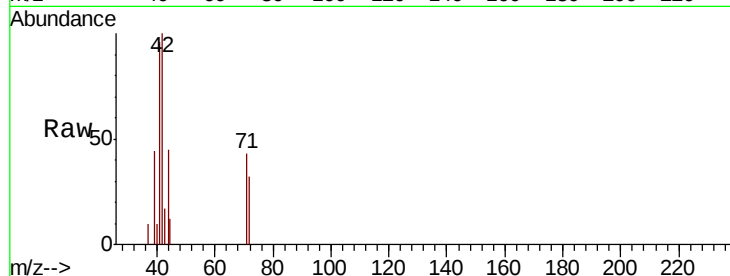




#29
Tetrahydrofuran
Concen: 10.647 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063409.D
Acq: 6 Aug 2019 19:55

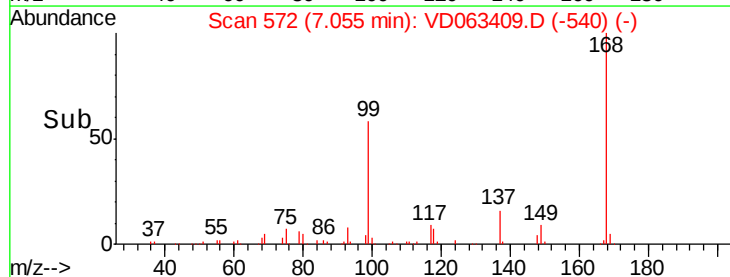
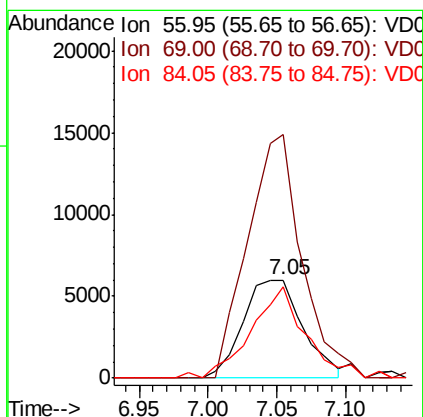
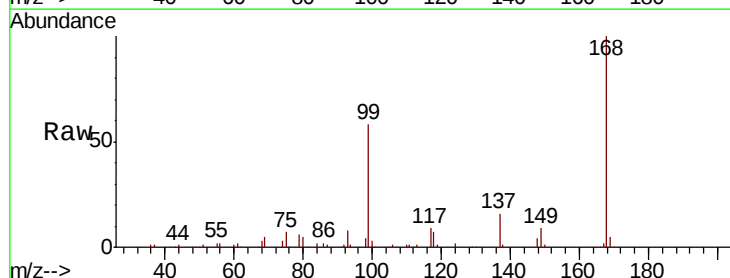
Instrument :
MSVOA_D
ClientSampleId :
TRIPLE-BARREL-BC-EAST

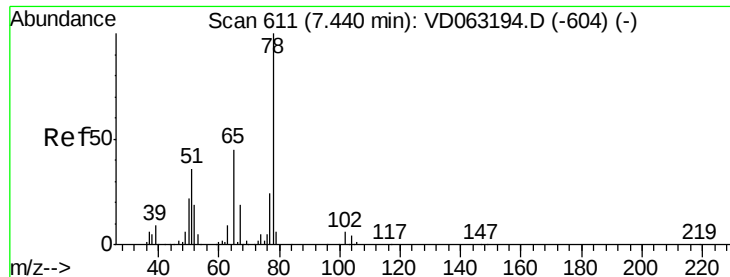
Tgt Ion: 42 Resp: 9892
Ion Ratio Lower Upper
42 100
72 42.4 33.4 50.2
71 47.0 35.7 53.5



#31
Cyclohexane
Concen: 2.021 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD063409.D
Acq: 6 Aug 2019 19:55

Tgt Ion: 56 Resp: 18071
Ion Ratio Lower Upper
56 100
69 249.2 24.5 36.7#
84 93.7 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 46.039 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

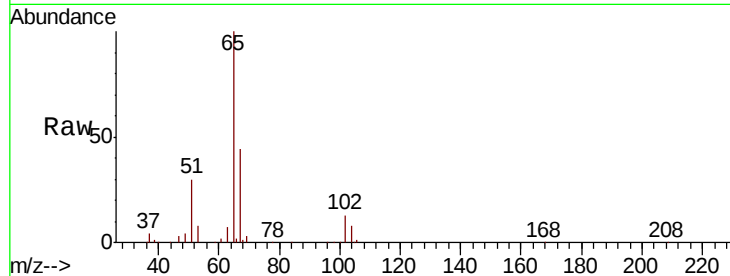
TRIPLE-BARREL-BC-EAST

Tgt Ion: 65 Resp: 462044

Ion Ratio Lower Upper

65 100

67 44.3 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

200000

150000

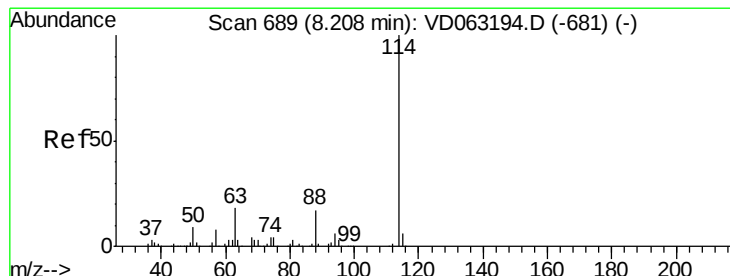
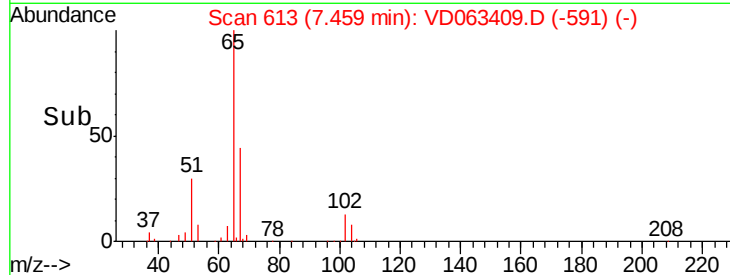
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

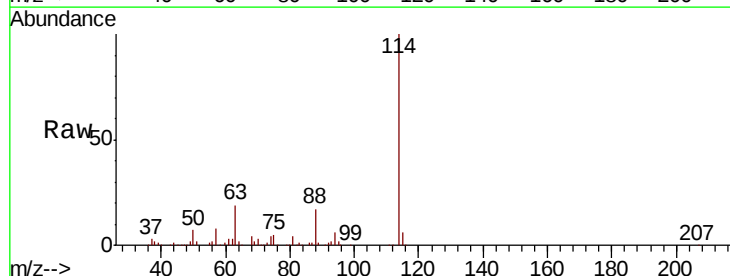
Tgt Ion: 114 Resp: 1205111

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

88 16.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

600000

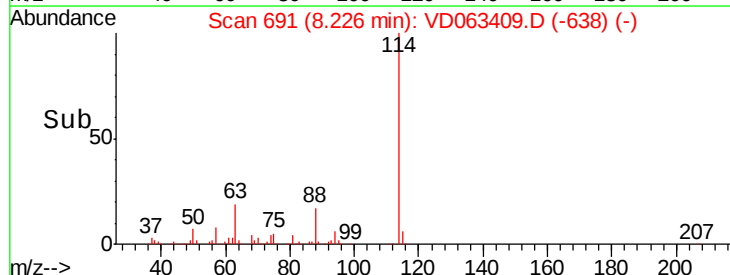
400000

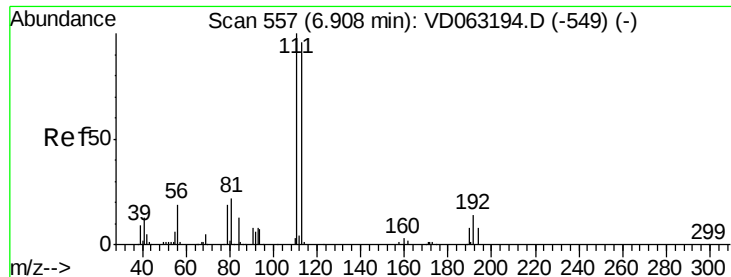
200000

0

8.10 8.20 8.30 8.40

Time-->

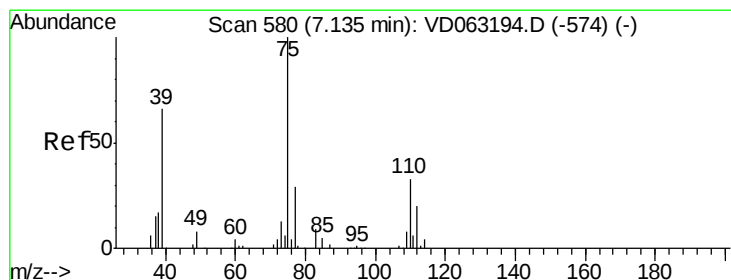
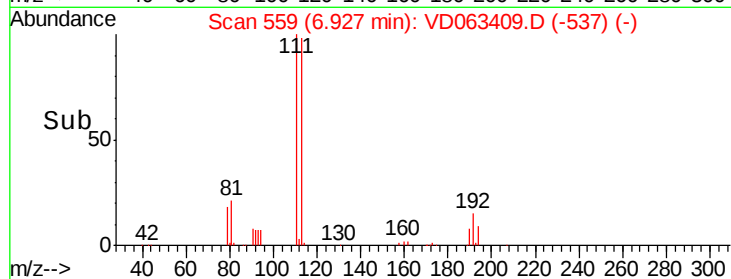
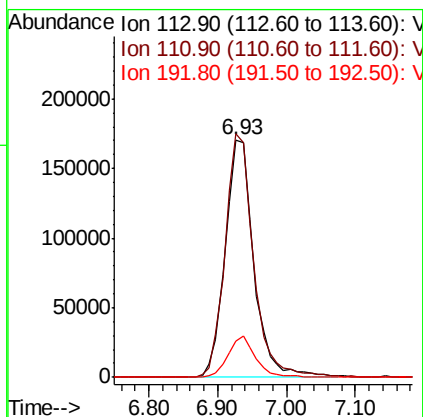
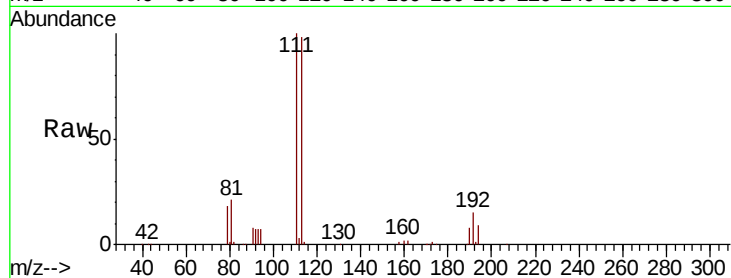




#35
 Dibromofluoromethane
 Concen: 47.839 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063409.D
 Acq: 6 Aug 2019 19:55

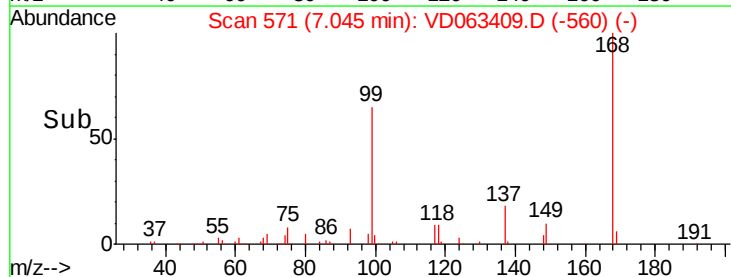
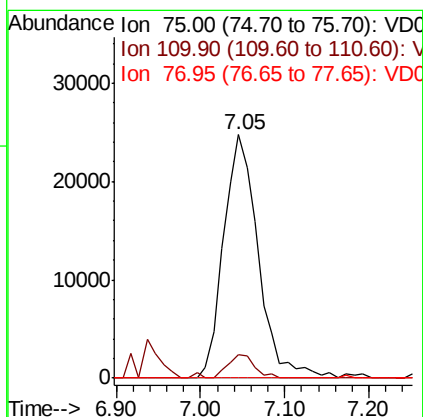
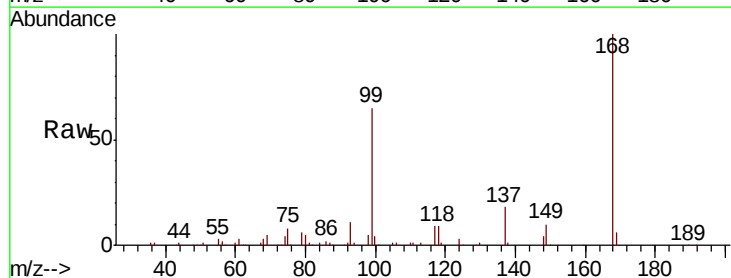
Instrument :
 MSVOA_D
 ClientSampleId :
 TRIPLE-BARREL-BC-EAST

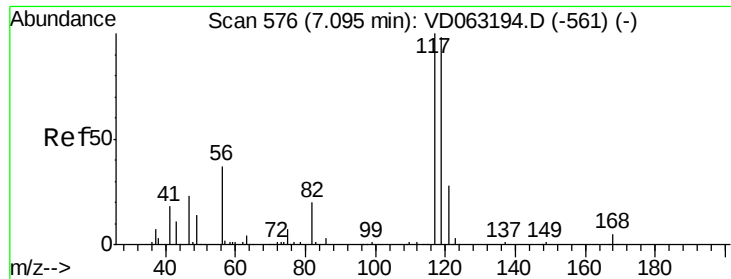
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.2	124.8
192	15.1	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.427 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063409.D
 Acq: 6 Aug 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.1	48.2#
77	0.0	22.7	34.1#





#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EAST

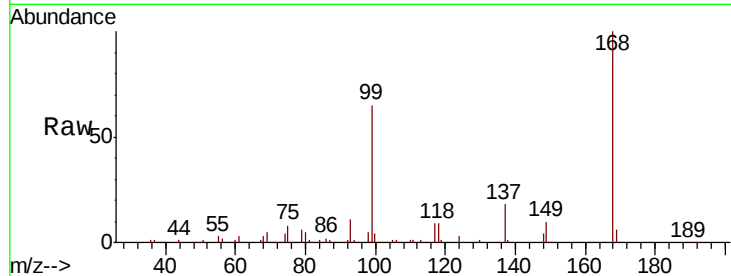
Tgt Ion:117 Resp: 91598

Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.2#

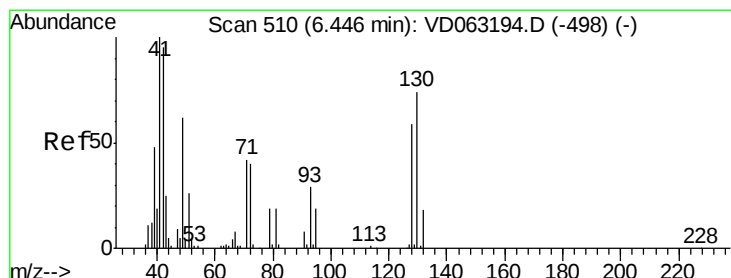
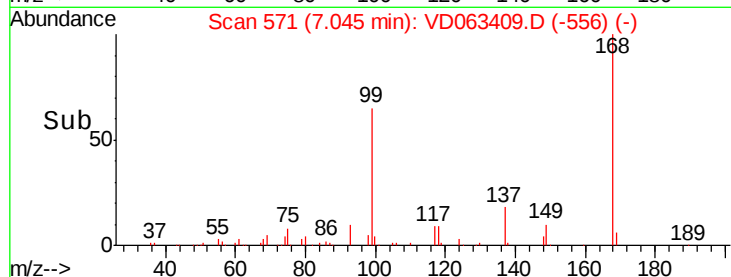
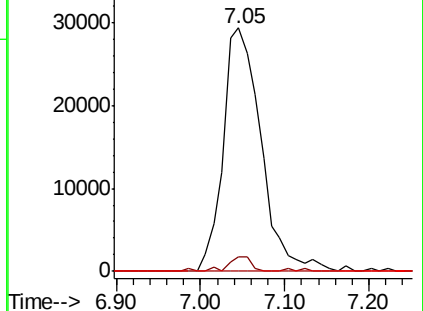
121 0.0 22.1 33.1#



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: 1.282 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Tgt Ion: 41 Resp: 7580

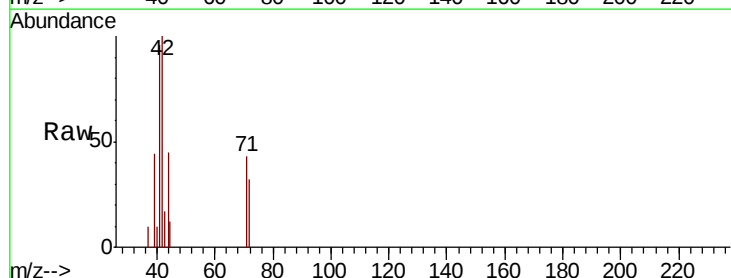
Ion Ratio Lower Upper

41 100

39 45.8 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

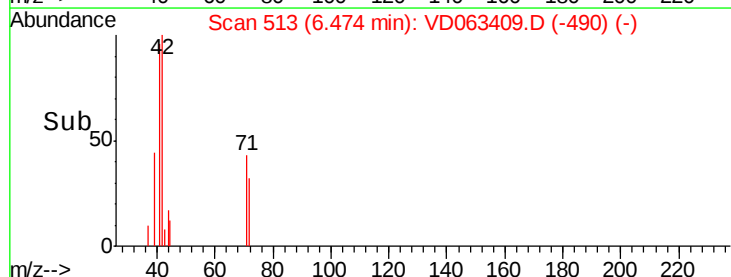
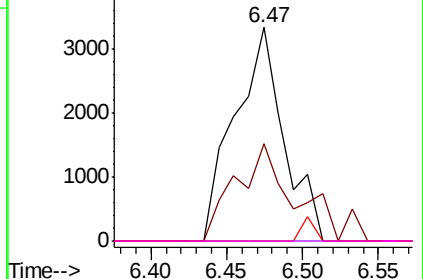


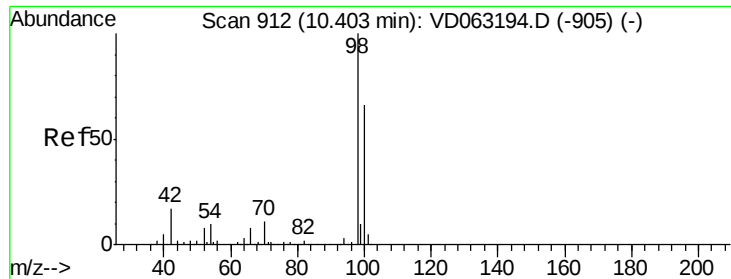
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

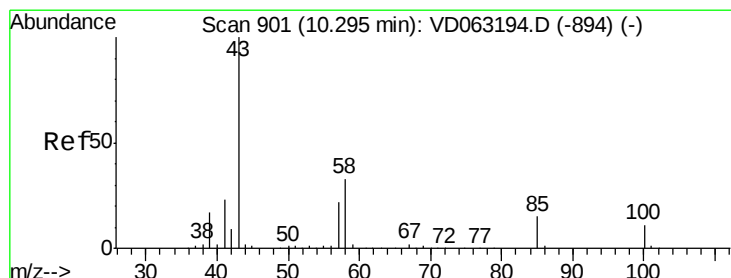
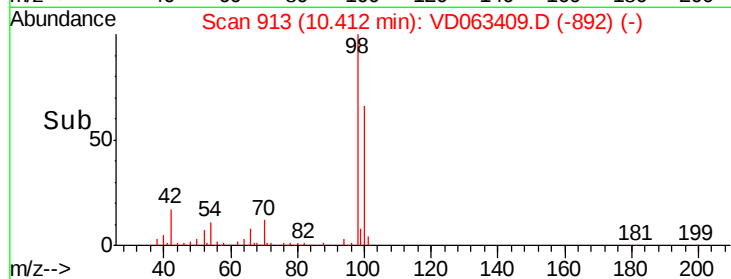
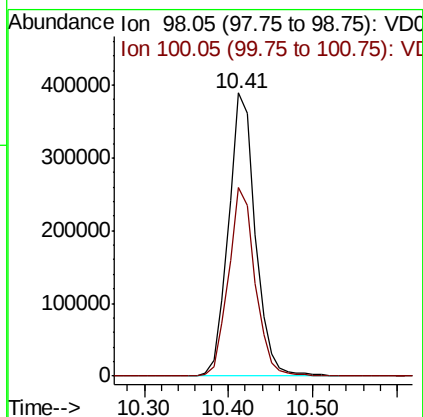
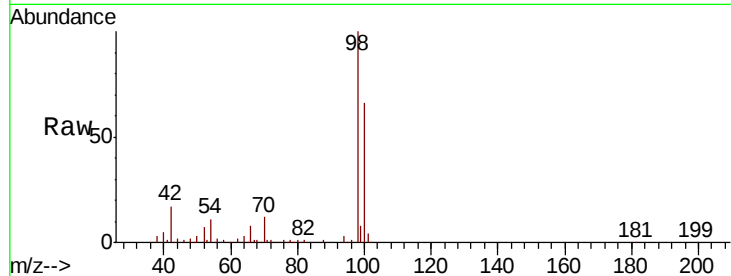




#50
Toluene-d8
Concen: 37.528 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063409.D
Acq: 6 Aug 2019 19:55

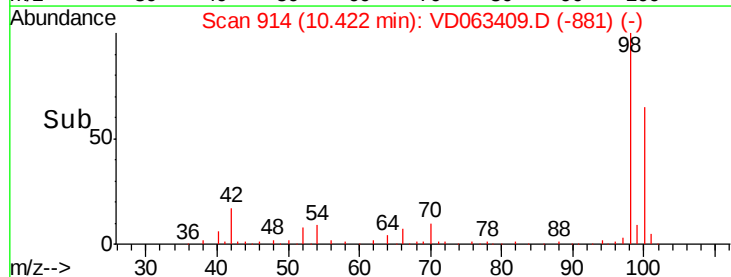
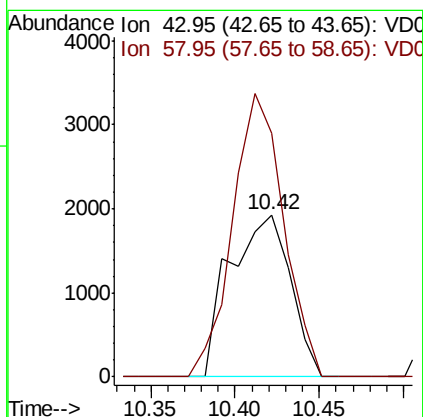
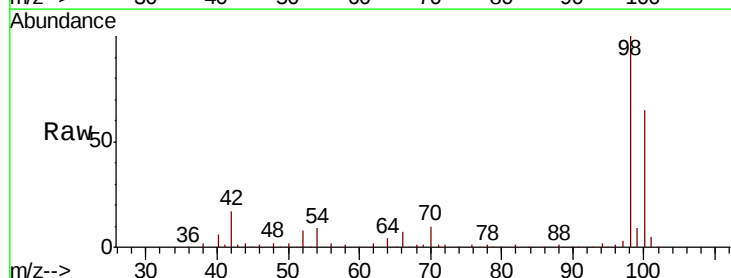
Instrument :
MSVOA_D
ClientSampleId :
TRIPLE-BARREL-BC-EAST

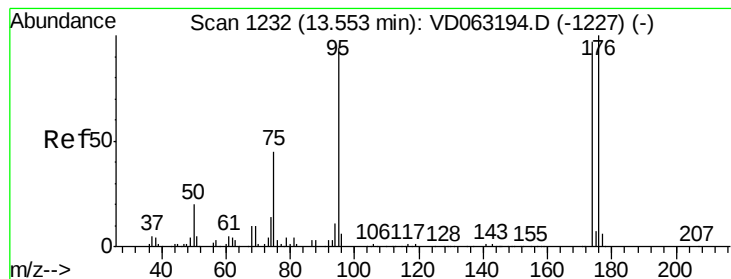
Tgt Ion: 98 Resp: 864158
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.117 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.13 min
Lab File: VD063409.D
Acq: 6 Aug 2019 19:55

Tgt Ion: 43 Resp: 4794
Ion Ratio Lower Upper
43 100
58 150.2 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 28.574 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EAST

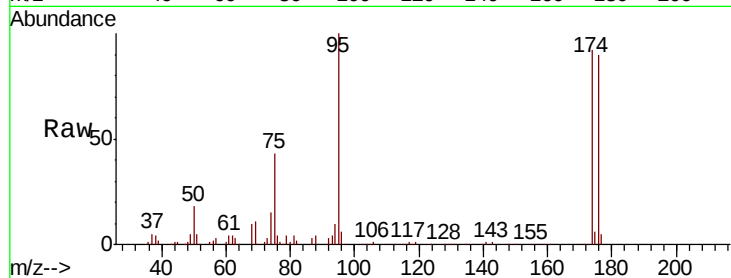
Tgt Ion: 95 Resp: 299832

Ion Ratio Lower Upper

95 100

174 92.0 0.0 205.4

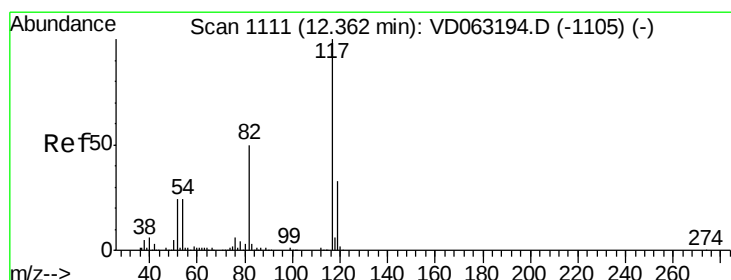
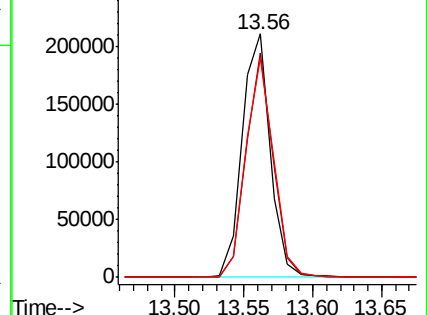
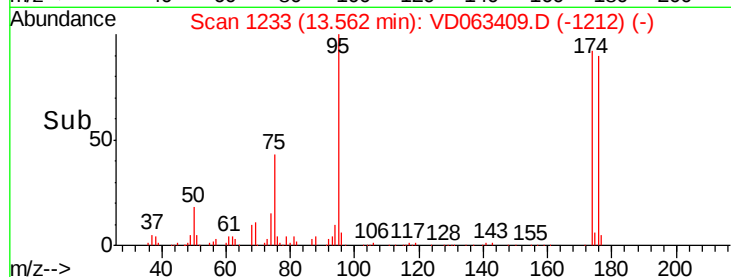
176 89.9 0.0 211.8



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: VD063409.D

Acq: 6 Aug 2019 19:55

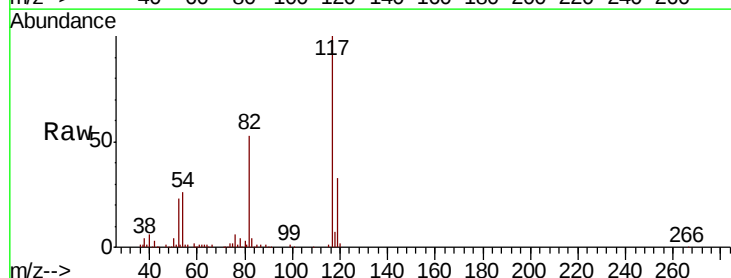
Tgt Ion: 117 Resp: 772902

Ion Ratio Lower Upper

117 100

82 53.0 40.1 60.1

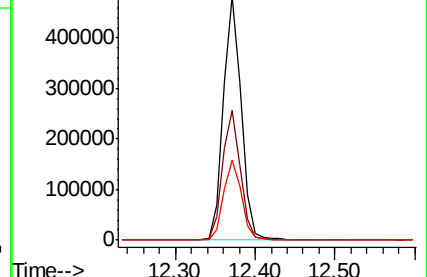
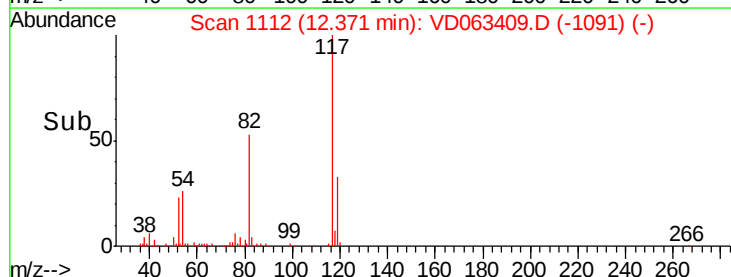
119 32.8 26.5 39.7

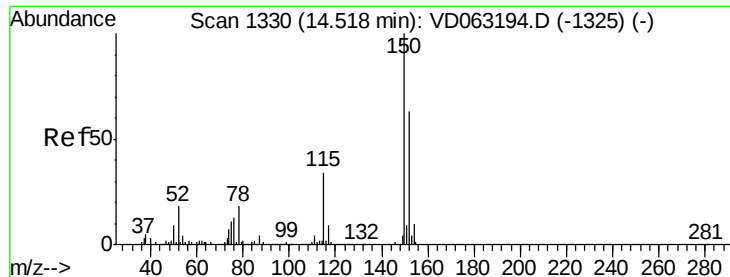


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EAST

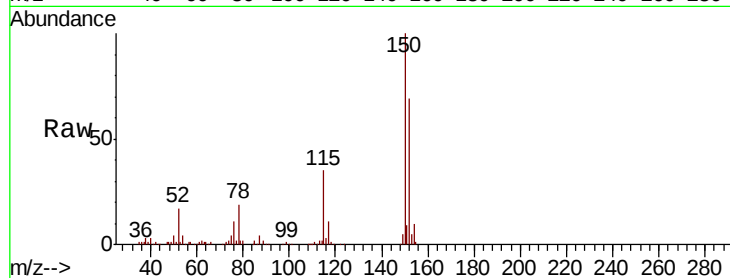
Tgt Ion:152 Resp: 280599

Ion Ratio Lower Upper

152 100

115 50.5 27.5 82.4

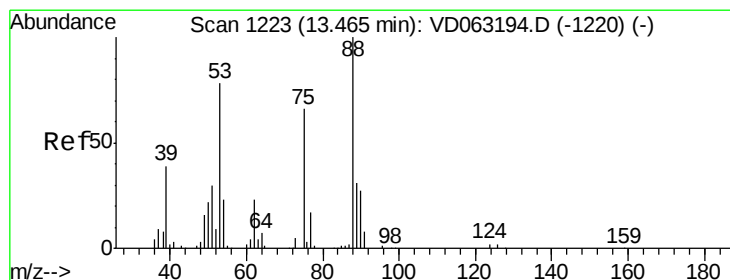
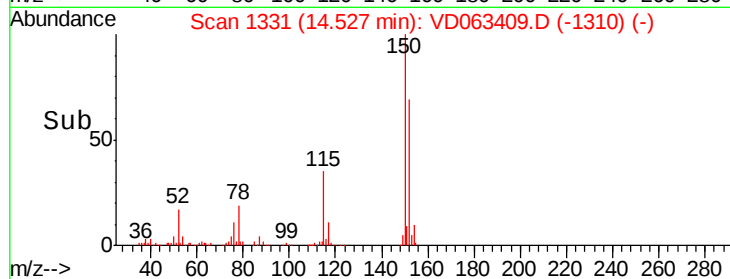
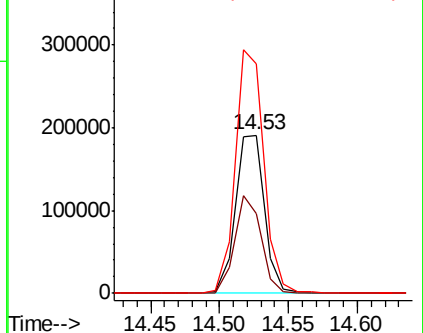
150 145.3 0.0 320.6



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: 144.628 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

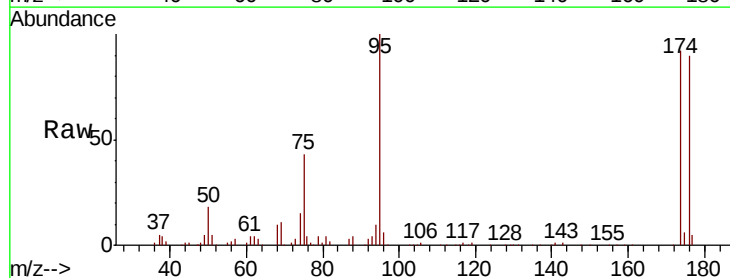
Tgt Ion: 75 Resp: 135354

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

