

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063453.D
 Acq On : 8 Aug 2019 23:18
 Operator : JC/SY
 Sample : VD0808SBL02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL02

Quant Time: Aug 09 07:01:54 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	7.06	168	860055	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1249513	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1104194	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	551778	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	526028	55.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	6.94	113	601639	56.40	ug/l	0.03
Spiked Amount	50.000		Recovery	=	112.80%	
50) Toluene-d8	10.42	98	1302770	54.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	13.56	95	537193	49.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.74%	

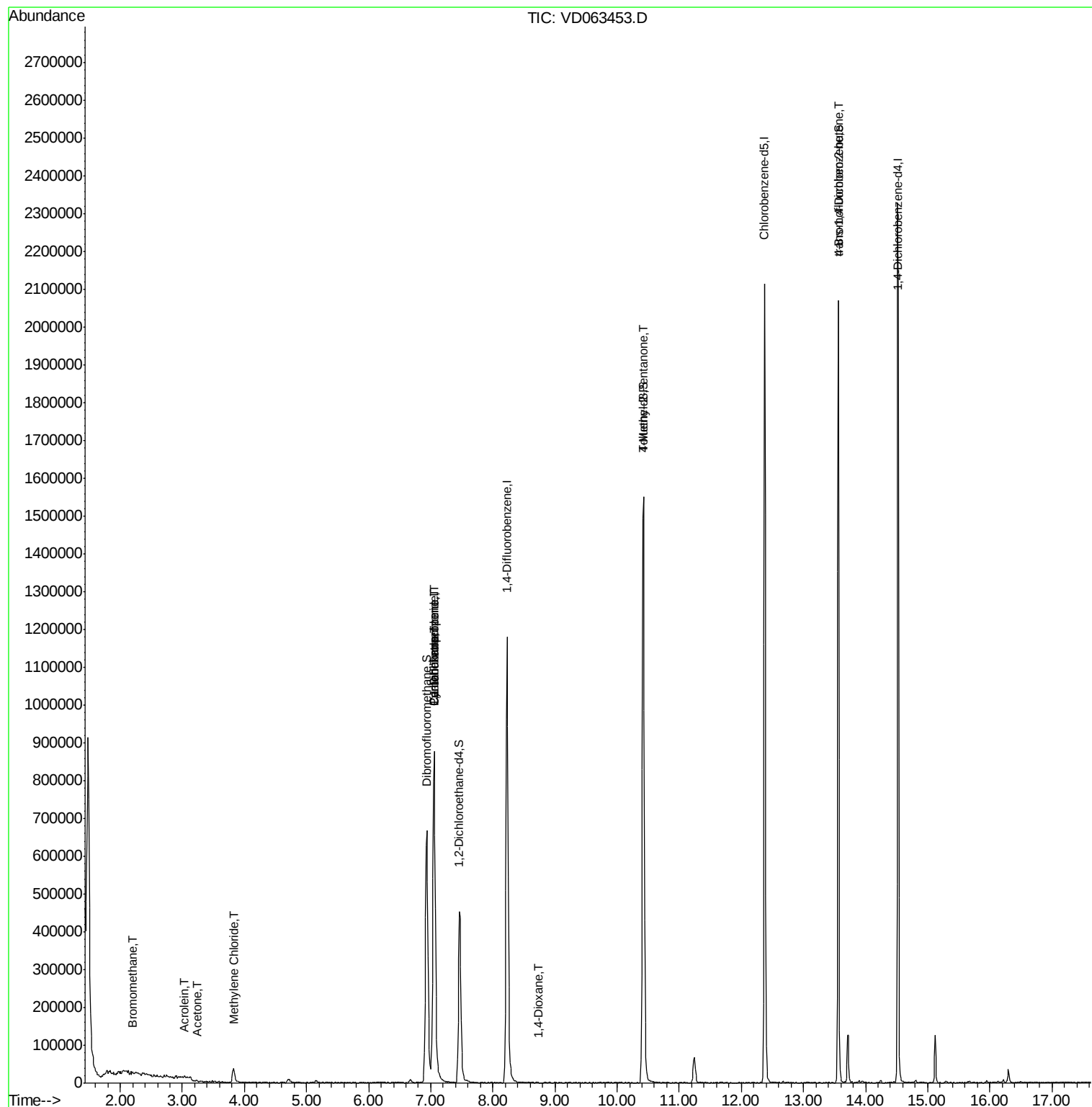
Target Compounds						Qvalue
5) Bromomethane	2.19	94	5337	1.251	ug/l #	12
13) Acrolein	3.02	56	581	1.441	ug/l	86
16) Acetone	3.24	43	6350	3.415	ug/l #	62
20) Methylene Chloride	3.83	84	20366	2.710	ug/l #	87
31) Cyclohexane	7.05	56	20321	2.391	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	60543	5.309	ug/l #	53
38) Carbon Tetrachloride	7.06	117	82582	4.810	ug/l #	15
49) 1,4-Dioxane	8.73	88	213	1.815	ug/l #	22
51) 4-Methyl-2-Pentanone	10.41	43	7095	1.594	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	250557	136.147	ug/l #	3

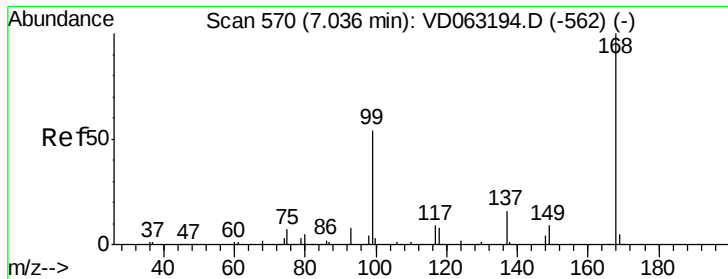
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
Data File : VD063453.D
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Quant Title : SW846 8260
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Response via : Initial Calibration



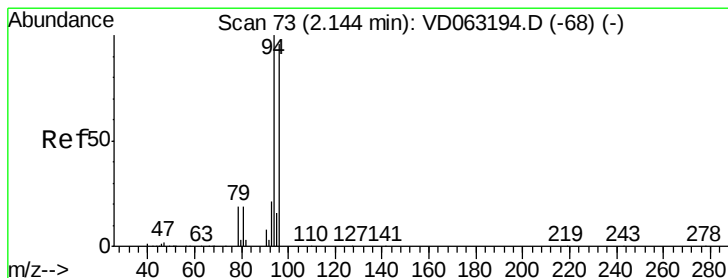
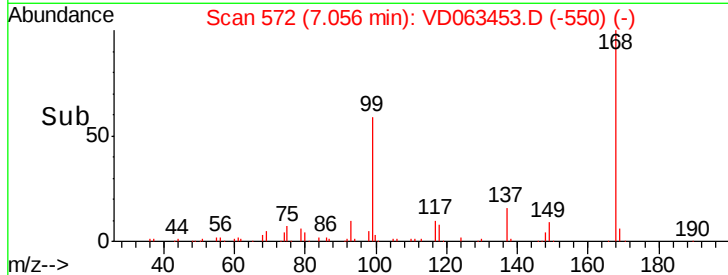
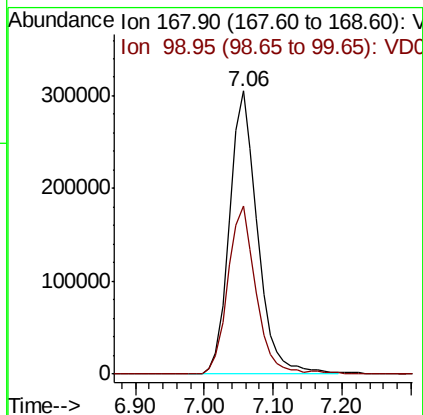
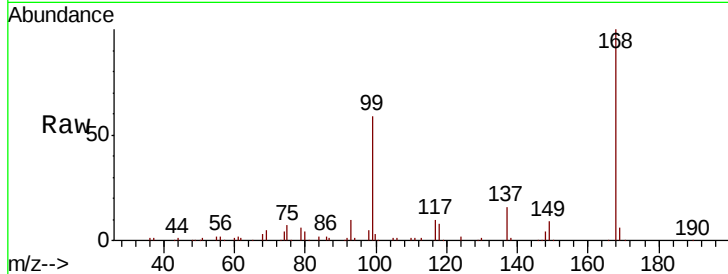


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD063453.D
 Acq: 8 Aug 2019 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL02

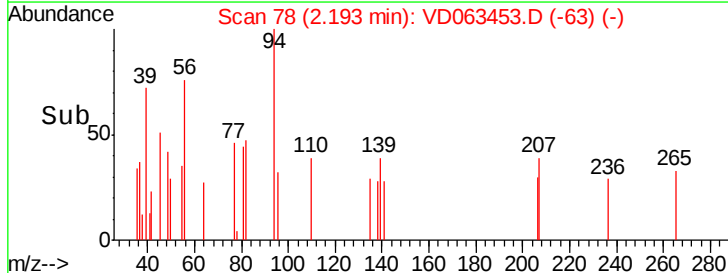
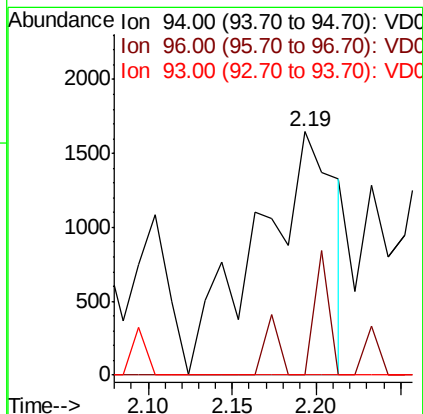
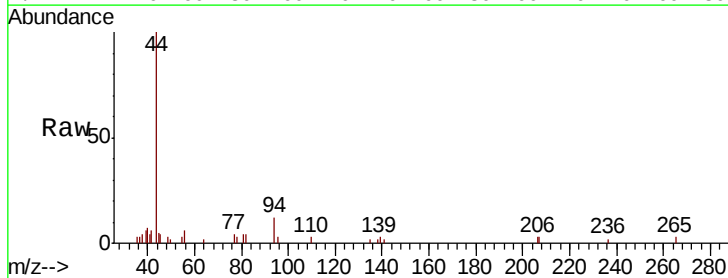
Tgt Ion: 168 Resp: 860055
 Ion Ratio Lower Upper
 168 100
 99 59.4 43.7 65.5

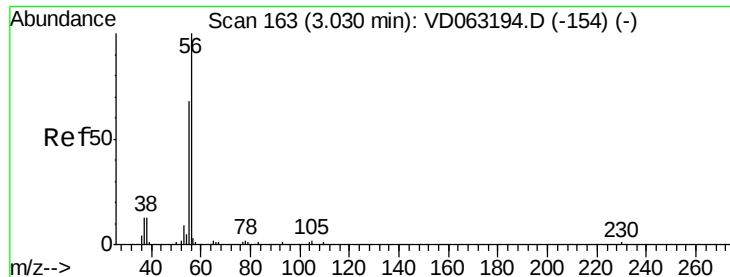


#5

Bromomethane
 Concen: 1.251 ug/l
 RT: 2.19 min Scan# 78
 Delta R.T. 0.05 min
 Lab File: VD063453.D
 Acq: 8 Aug 2019 23:18

Tgt Ion: 94 Resp: 5337
 Ion Ratio Lower Upper
 94 100
 96 0.0 76.4 114.6#
 93 0.0 17.3 25.9#





#13

Acrolein

Concen: 1.441 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

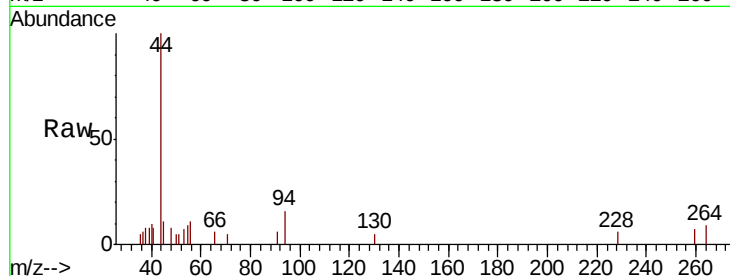
VD0808SBL02

Tgt Ion: 56 Resp: 581

Ion Ratio Lower Upper

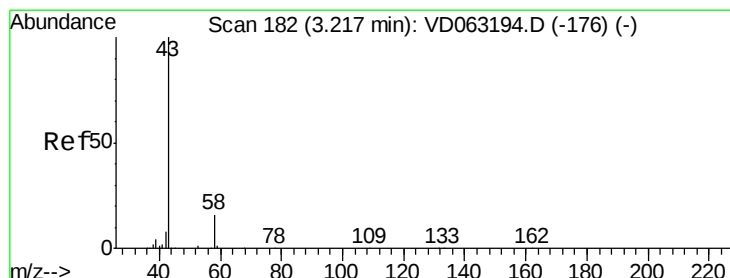
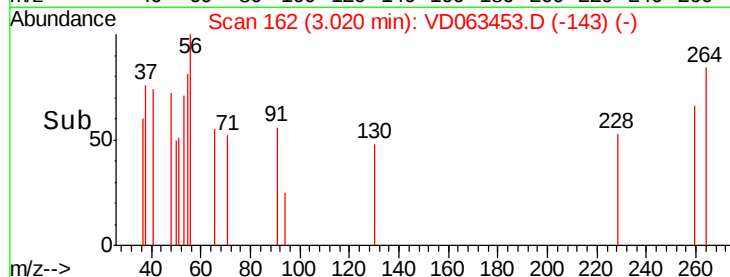
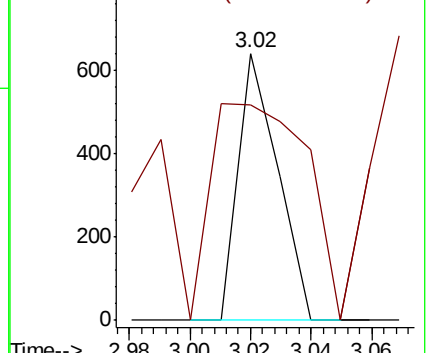
56 100

55 80.8 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.415 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063453.D

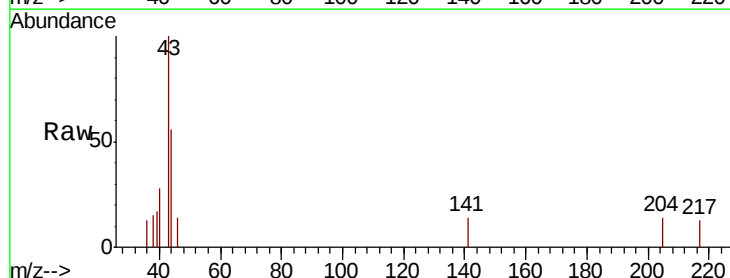
Acq: 8 Aug 2019 23:18

Tgt Ion: 43 Resp: 6350

Ion Ratio Lower Upper

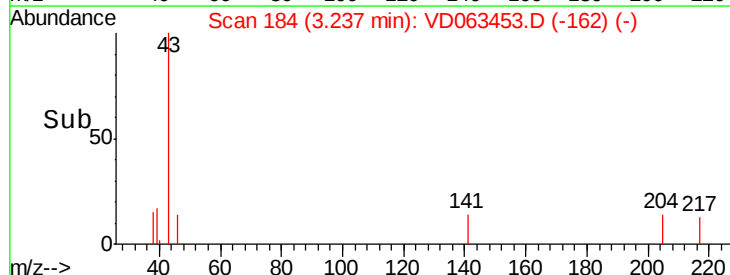
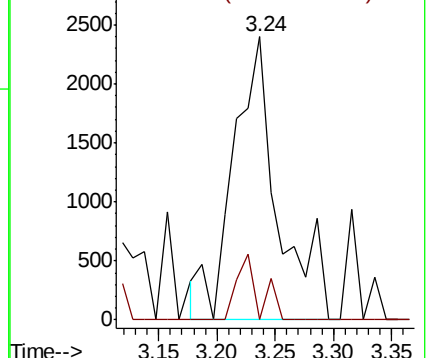
43 100

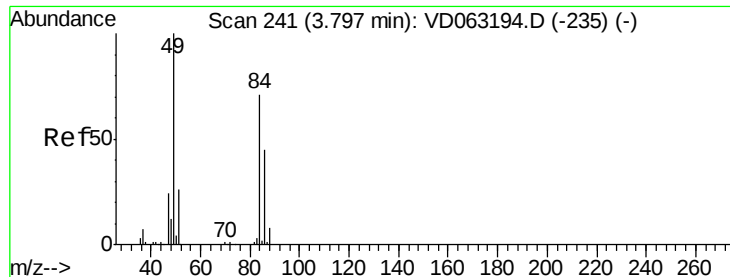
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

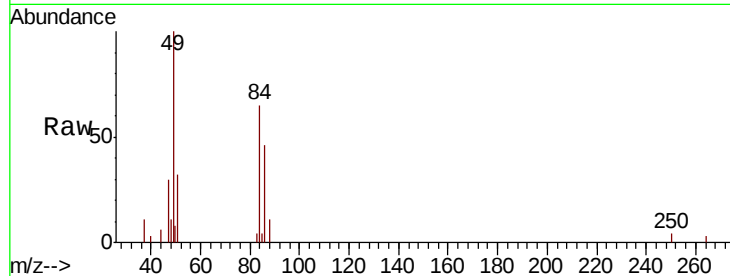




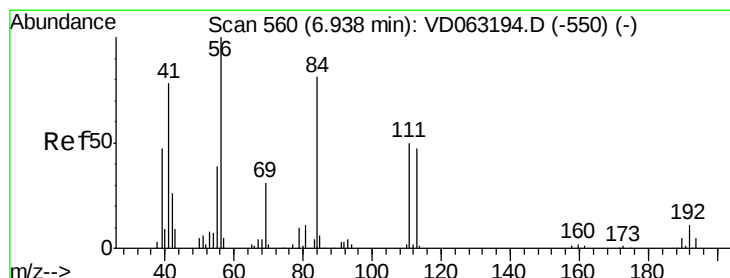
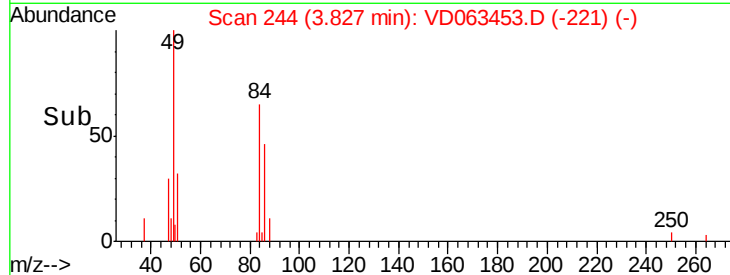
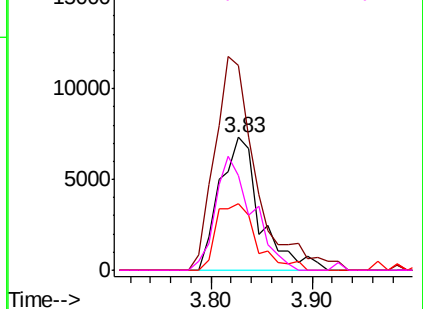
#20
Methylene Chloride
Concen: 2.710 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063453.D
Acq: 8 Aug 2019 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL02

Tgt Ion: 84 Resp: 20366
Ion Ratio Lower Upper
84 100
49 154.1 112.5 168.7
51 50.0 29.6 44.4#
86 71.1 50.4 75.6

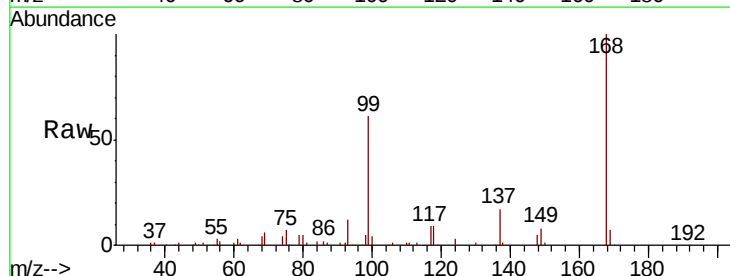


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

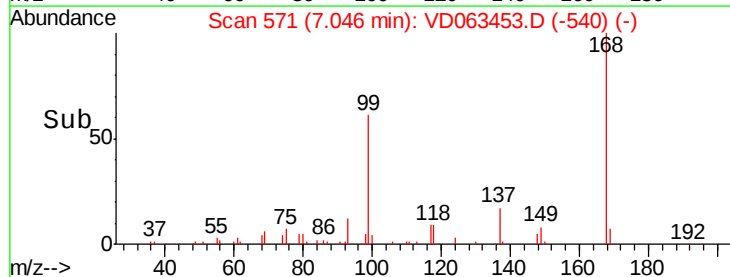
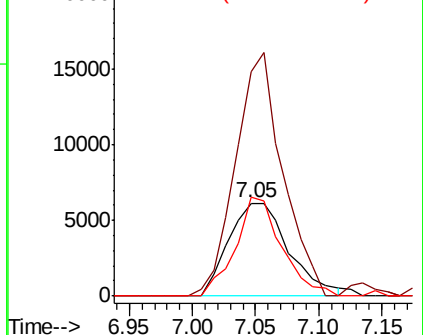


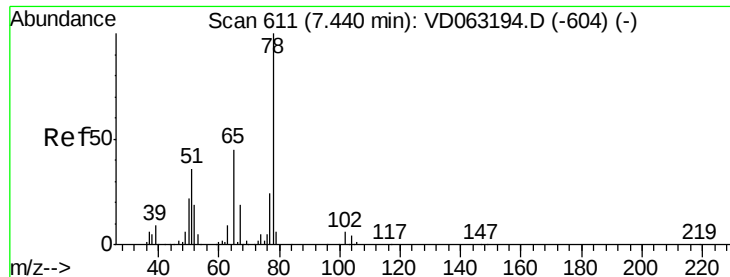
#31
Cyclohexane
Concen: 2.391 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063453.D
Acq: 8 Aug 2019 23:18

Tgt Ion: 56 Resp: 20321
Ion Ratio Lower Upper
56 100
69 241.7 24.5 36.7#
84 106.2 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: 55.121 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

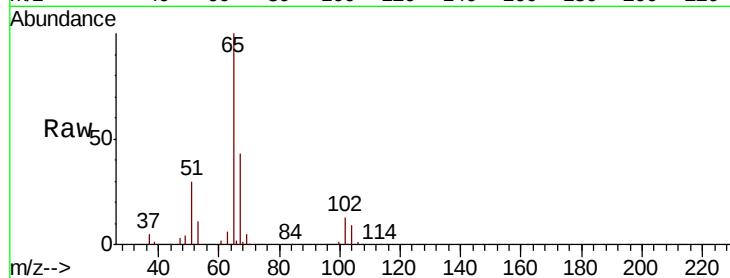
VD0808SBL02

Tgt Ion: 65 Resp: 526028

Ion Ratio Lower Upper

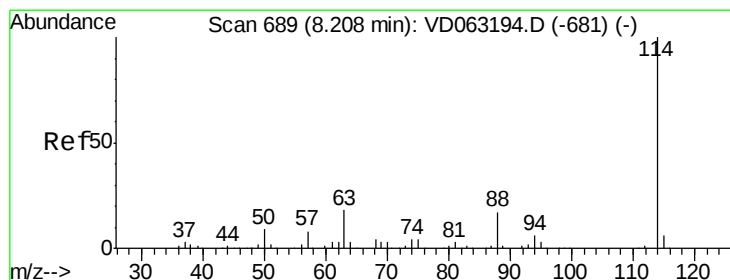
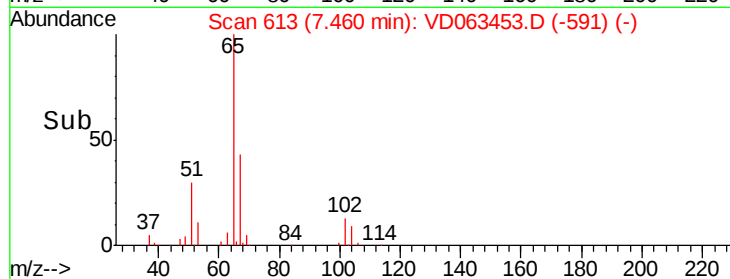
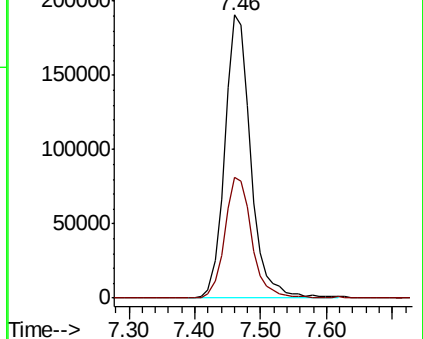
65 100

67 42.9 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: VD063453.D

Acq: 8 Aug 2019 23:18

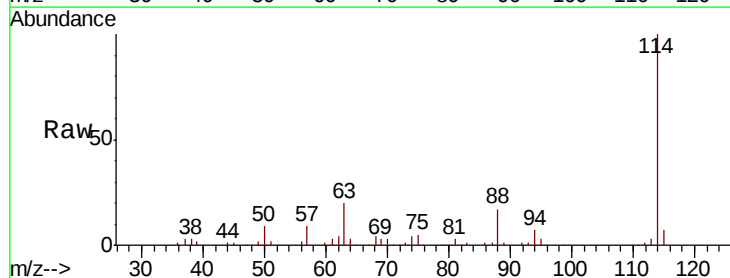
Tgt Ion: 114 Resp: 1249513

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.2

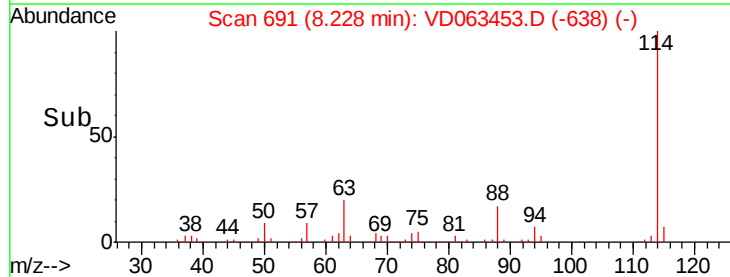
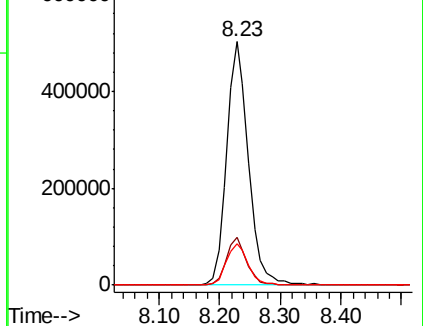
88 17.3 0.0 34.6

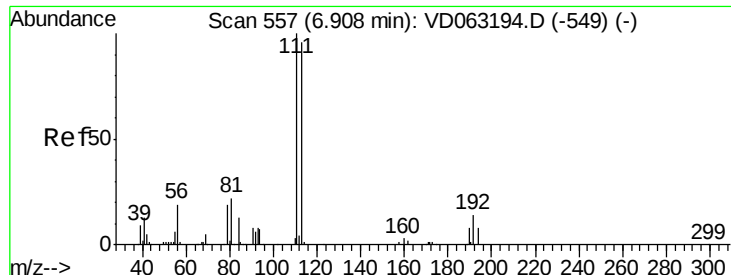


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.396 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL02

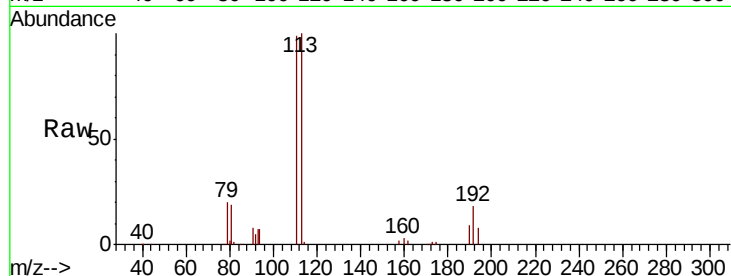
Tgt Ion:113 Resp: 601639

Ion Ratio Lower Upper

113 100

111 99.4 83.2 124.8

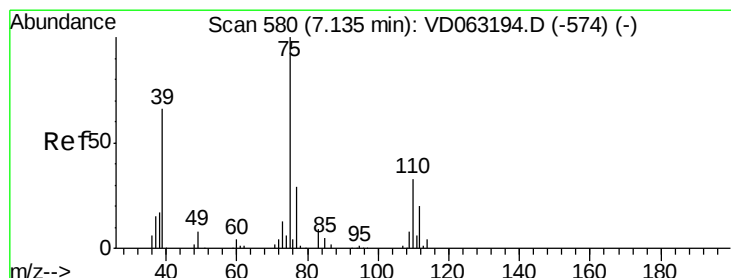
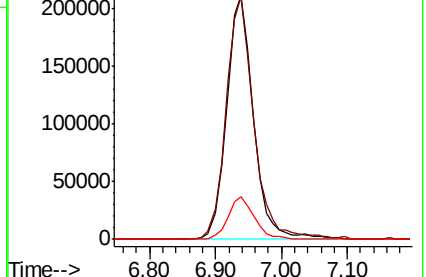
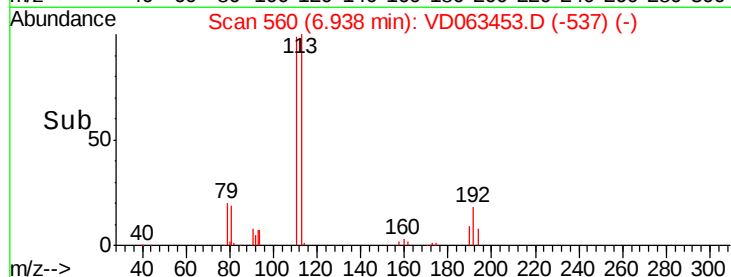
192 17.7 11.8 17.8



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: 5.309 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

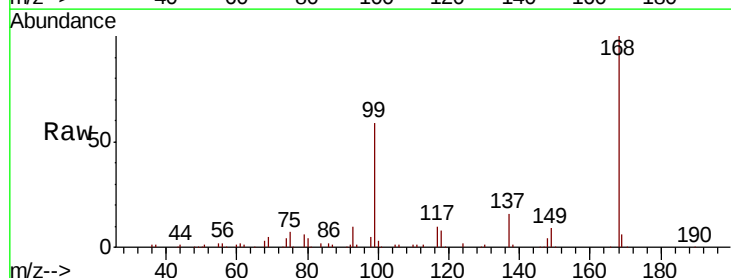
Tgt Ion: 75 Resp: 60543

Ion Ratio Lower Upper

75 100

110 9.5 16.1 48.2#

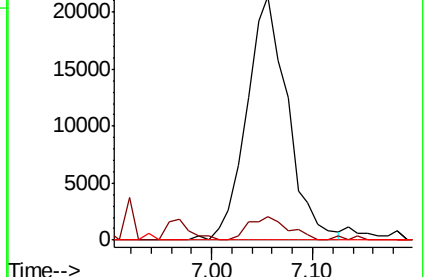
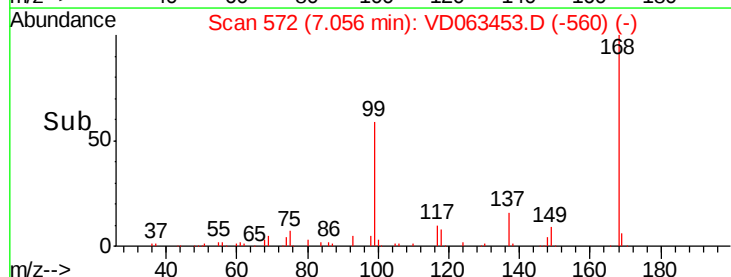
77 0.0 22.7 34.1#

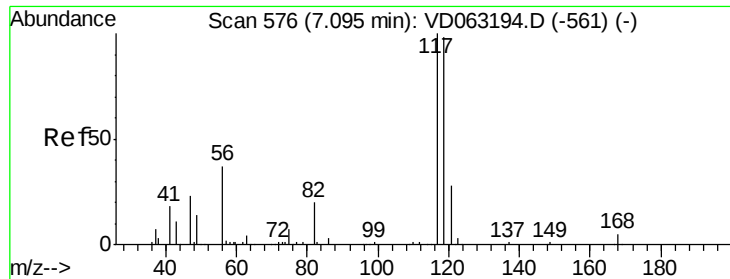


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.810 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL02

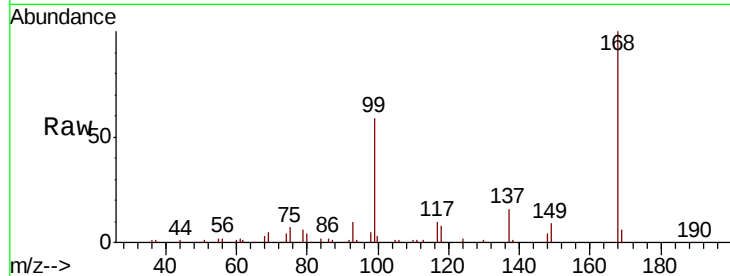
Tgt Ion:117 Resp: 82582

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

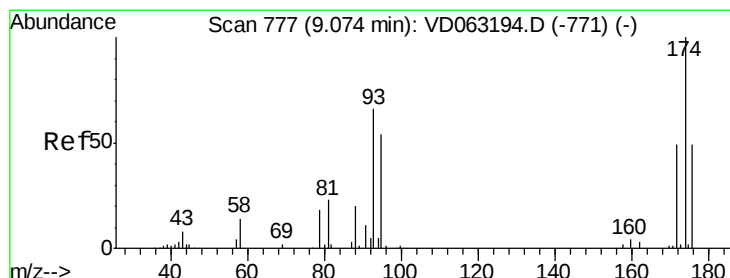
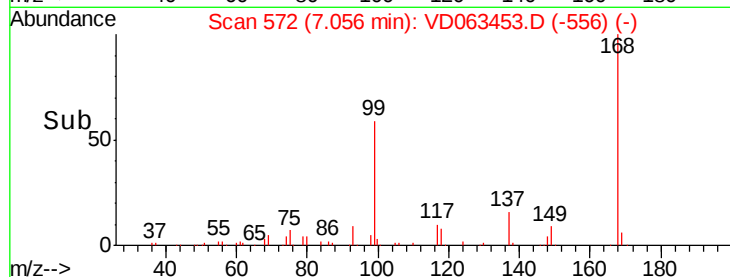
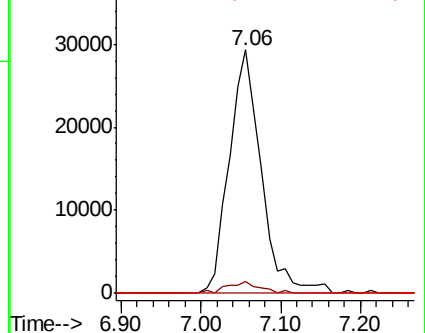
121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 1.815 ug/l

RT: 8.73 min Scan# 742

Delta R.T. -0.34 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

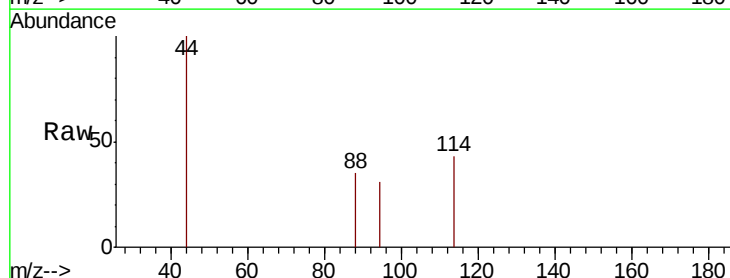
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 0.0 30.7 46.1#

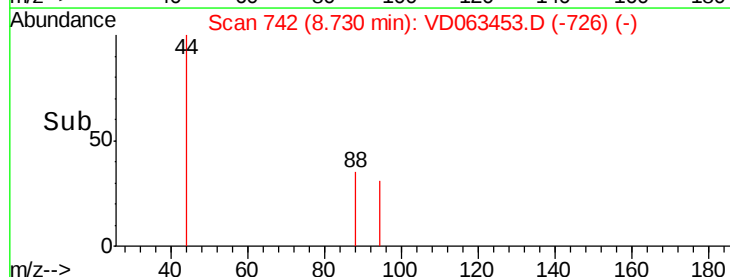
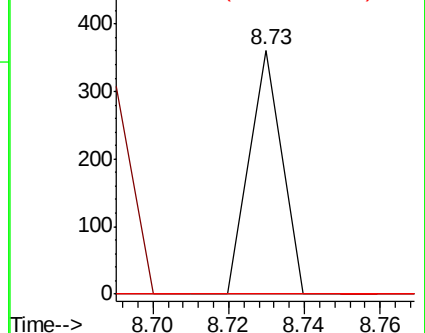
58 0.0 56.5 84.7#

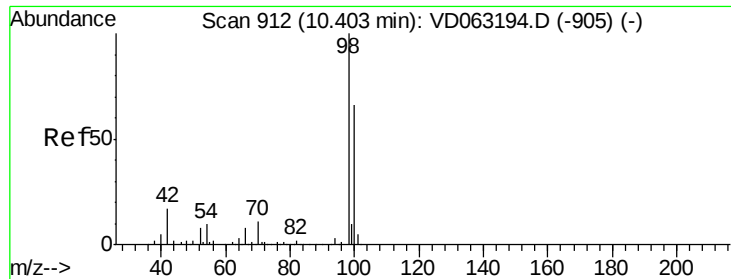


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

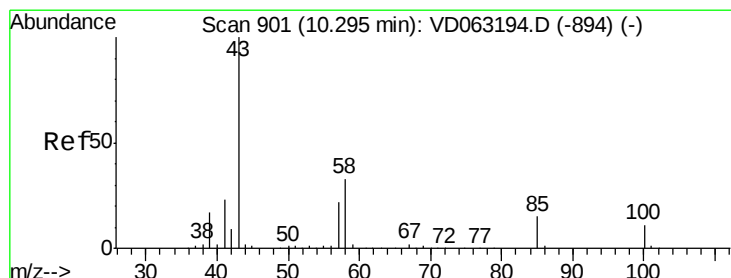
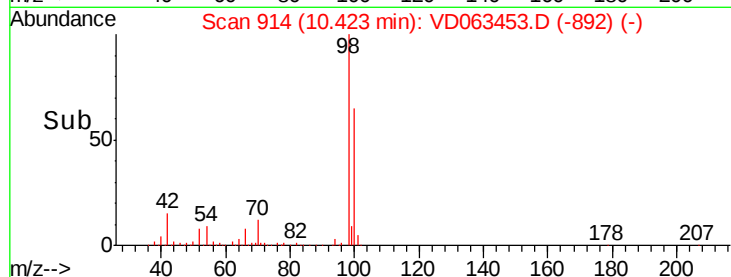
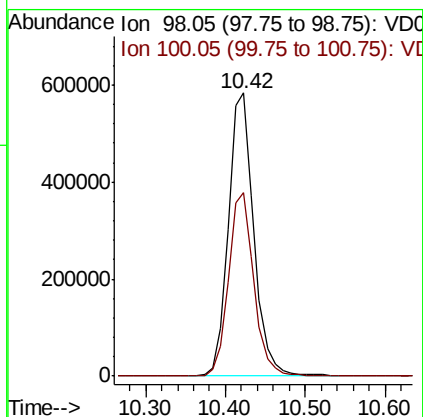
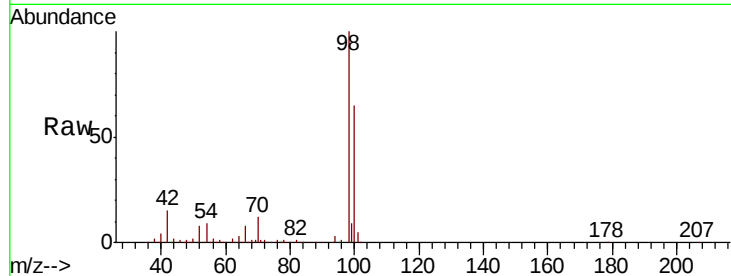




#50
Toluene-d8
Concen: 54.566 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063453.D
Acq: 8 Aug 2019 23:18

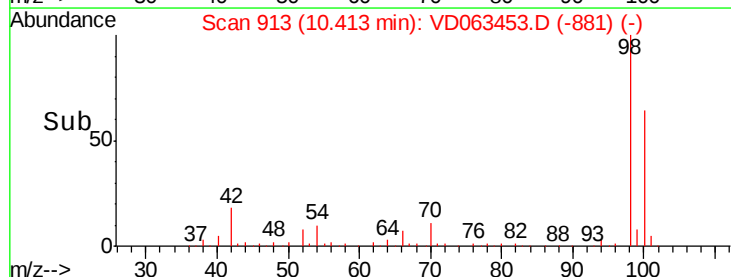
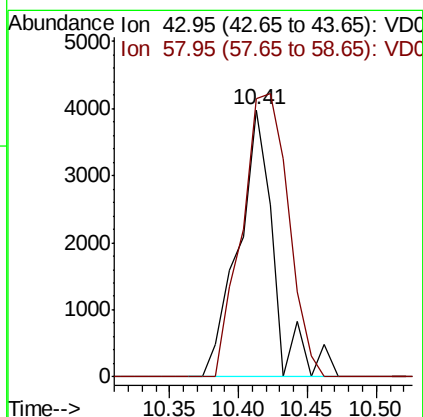
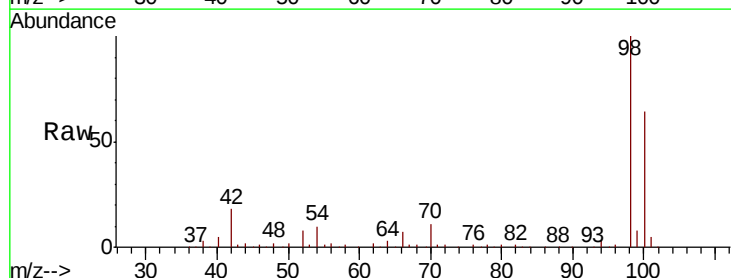
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL02

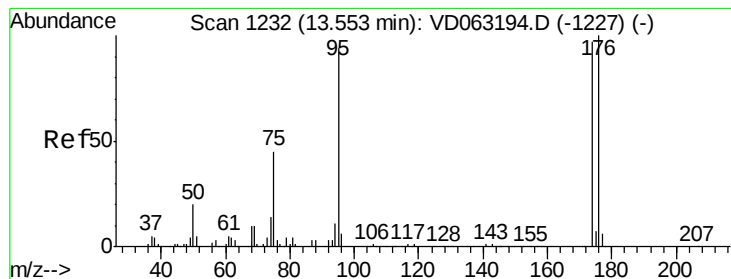
Tgt Ion: 98 Resp: 1302770
Ion Ratio Lower Upper
98 100
100 64.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.594 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD063453.D
Acq: 8 Aug 2019 23:18

Tgt Ion: 43 Resp: 7095
Ion Ratio Lower Upper
43 100
58 104.1 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 49.375 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL02

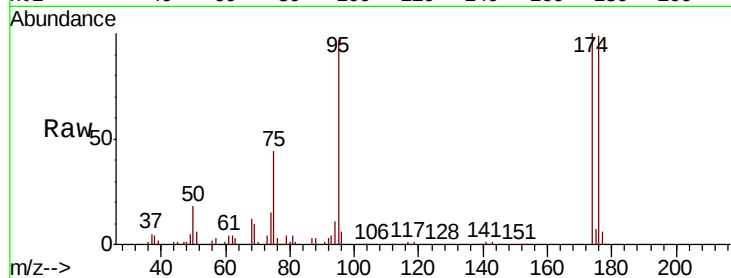
Tgt Ion: 95 Resp: 537193

Ion Ratio Lower Upper

95 100

174 102.9 0.0 205.4

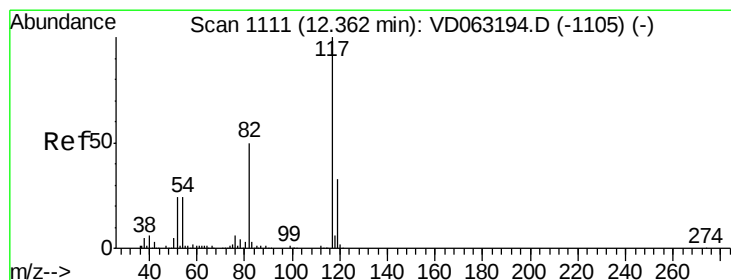
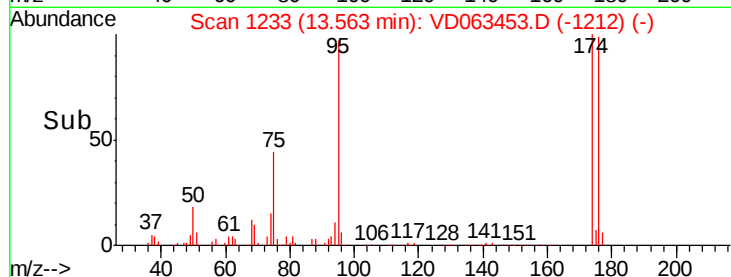
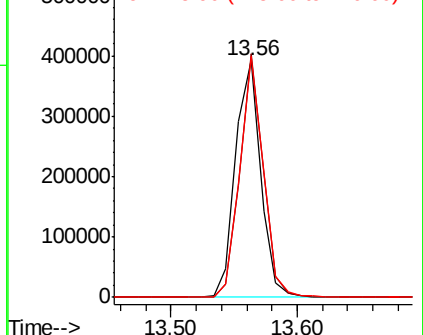
176 101.9 0.0 211.8



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: VD063453.D

Acq: 8 Aug 2019 23:18

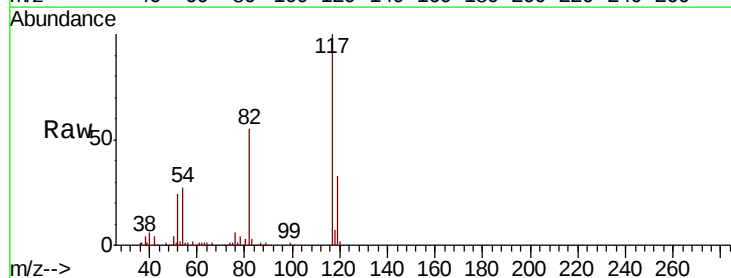
Tgt Ion: 117 Resp: 1104194

Ion Ratio Lower Upper

117 100

82 55.4 40.1 60.1

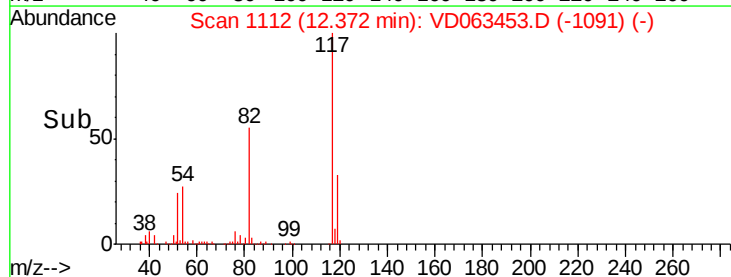
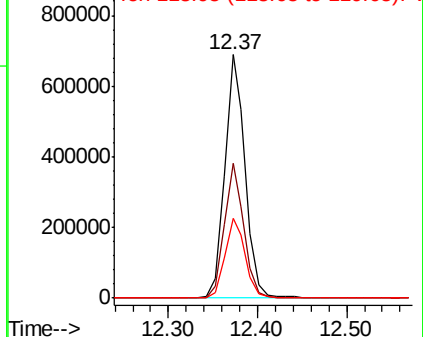
119 32.6 26.5 39.7

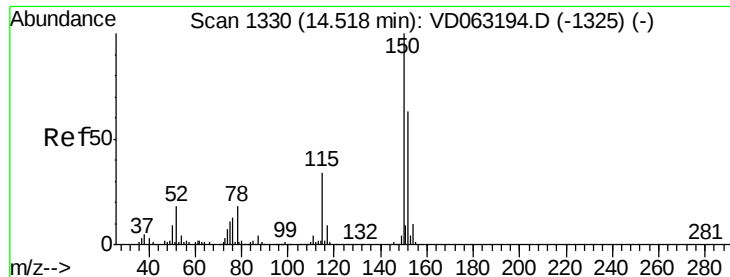


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063453.D

Acq: 8 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL02

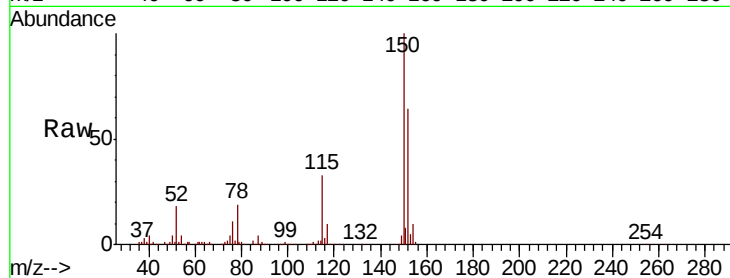
Tgt Ion:152 Resp: 551778

Ion Ratio Lower Upper

152 100

115 51.2 27.5 82.4

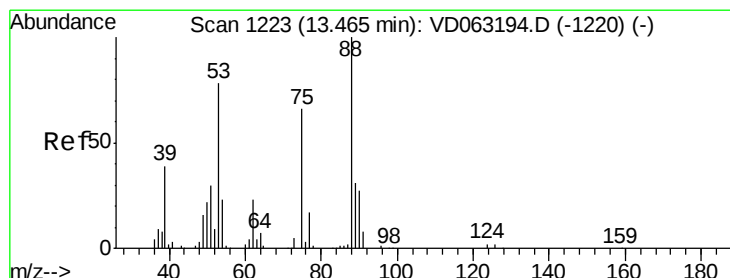
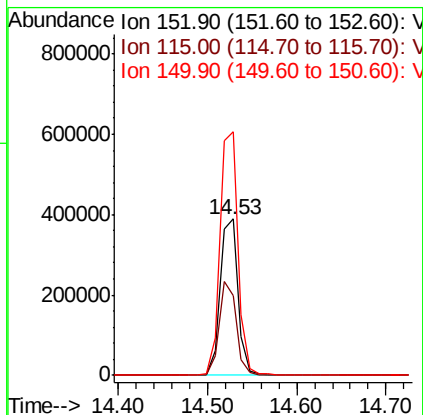
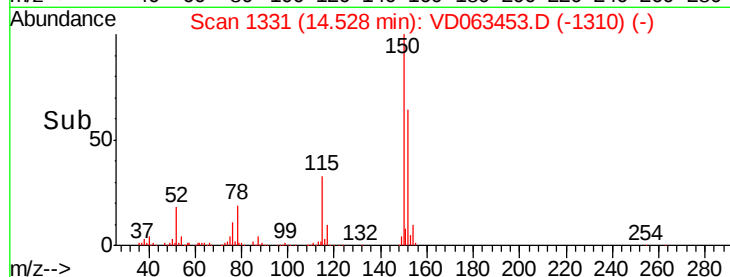
150 155.8 0.0 320.6



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: 136.147 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063453.D

Acq: 8 Aug 2019 23:18

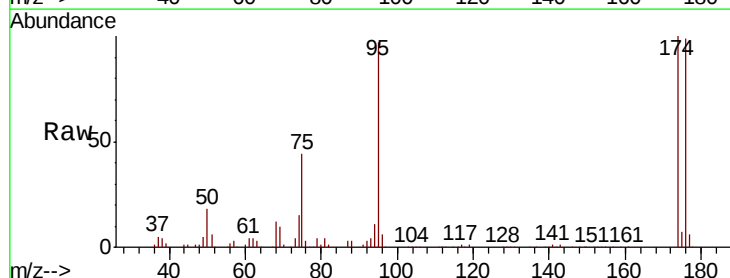
Tgt Ion: 75 Resp: 250557

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

