

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063684.D
 Acq On : 20 Aug 2019 15:01
 Operator : JC/SY
 Sample : K4385-18RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(2)RE

Quant Time: Aug 21 03:50:57 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	7.04	168	989849	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1430813	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	904950	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	229716	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	583884	55.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.36%	
35) Dibromofluoromethane	6.91	113	640846	53.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.36%	
50) Toluene-d8	10.41	98	1182250	44.62	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.24%	
62) 4-Bromofluorobenzene	13.55	95	346251	28.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	57.68%	

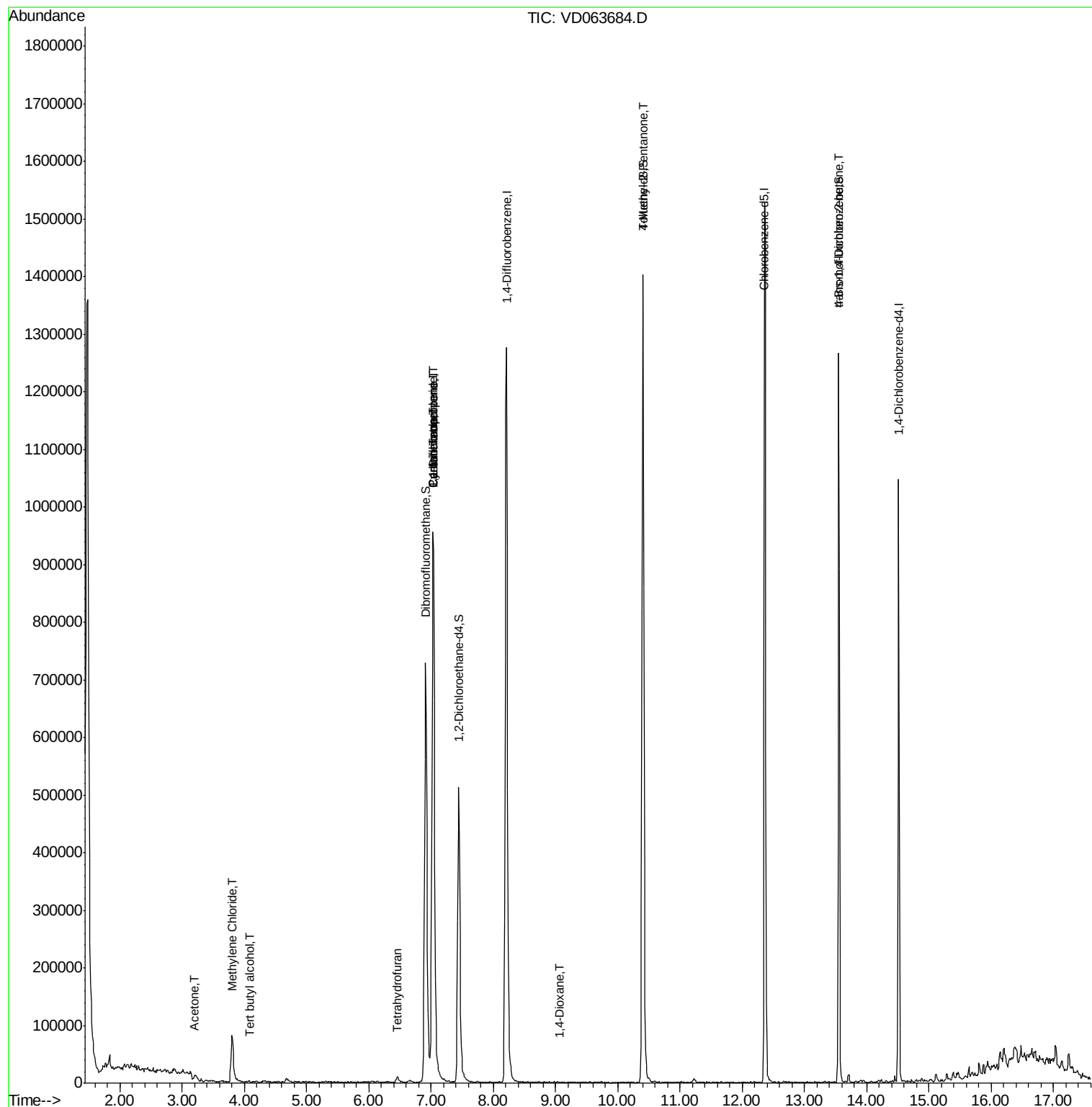
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	819	1.778	ug/l #	71
16) Acetone	3.21	43	16070	7.471	ug/l	100
20) Methylene Chloride	3.80	84	53410	5.743	ug/l	94
29) Tetrahydrofuran	6.45	42	7091	7.164	ug/l	88
31) Cyclohexane	7.02	56	20913	2.189	ug/l #	26
36) 1,1-Dichloropropene	7.03	75	72929	5.766	ug/l #	51
38) Carbon Tetrachloride	7.03	117	90584	4.752	ug/l #	17
49) 1,4-Dioxane	9.06	88	186	28.960	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	7299	1.503	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	147615	208.323	ug/l #	1

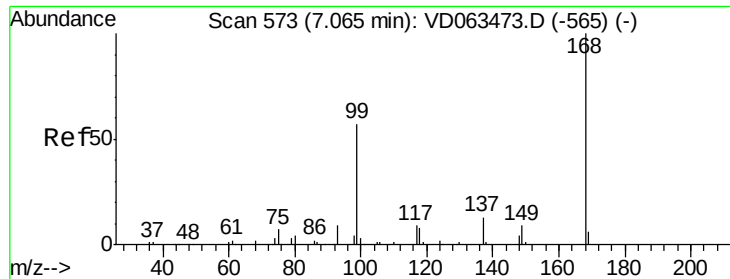
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

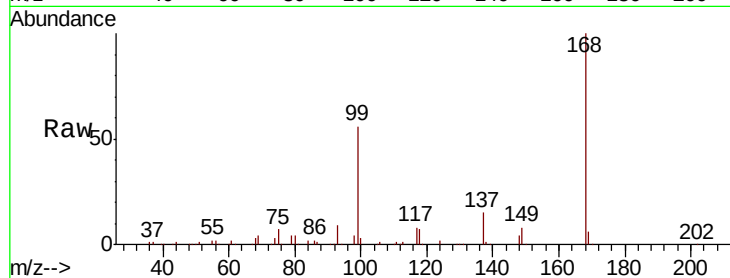
T8-D-(2)RE

Tgt Ion: 168 Resp: 989849

Ion Ratio Lower Upper

168 100

99 56.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

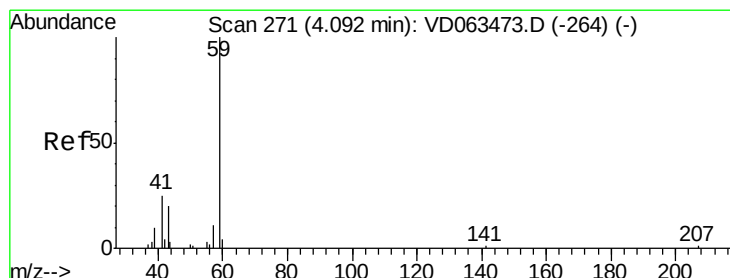
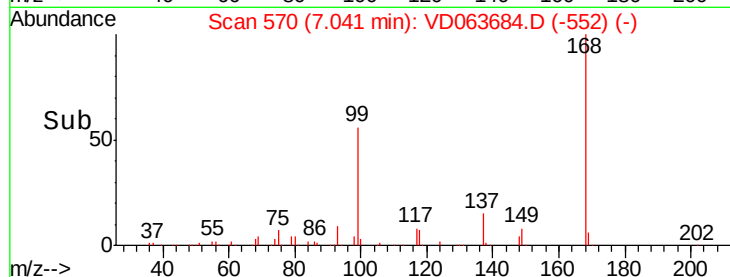
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.778 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063684.D

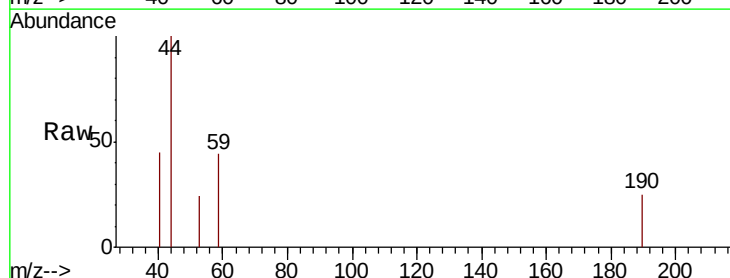
Acq: 20 Aug 2019 15:01

Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

600

500

400

300

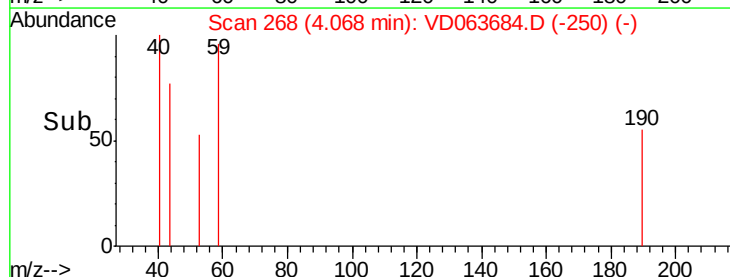
200

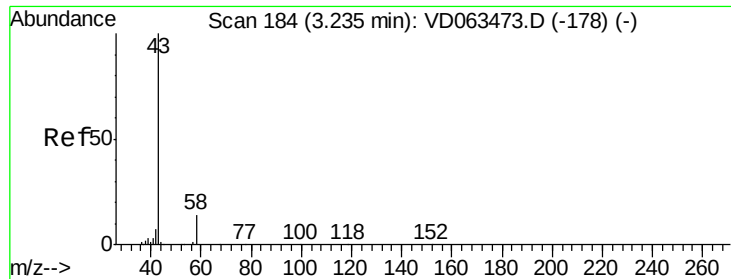
100

0

Time-->

4.04 4.06 4.08 4.10

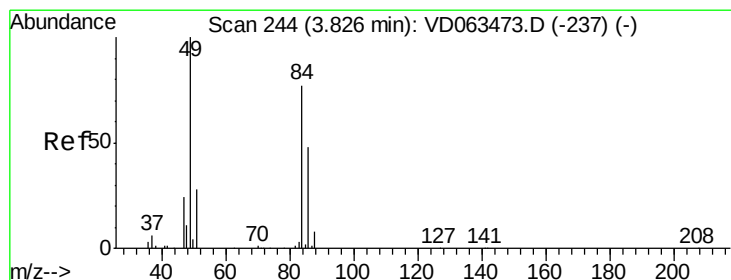
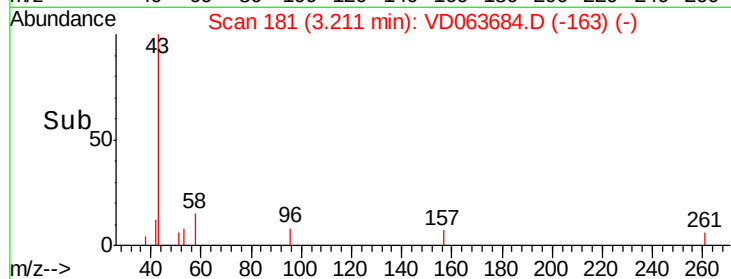
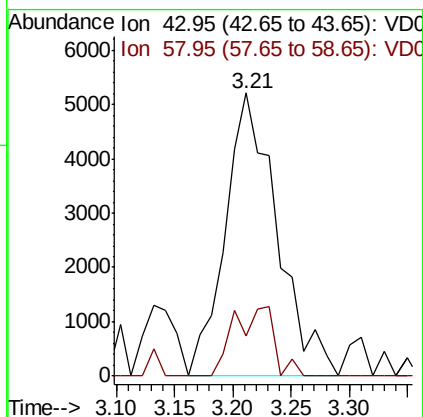
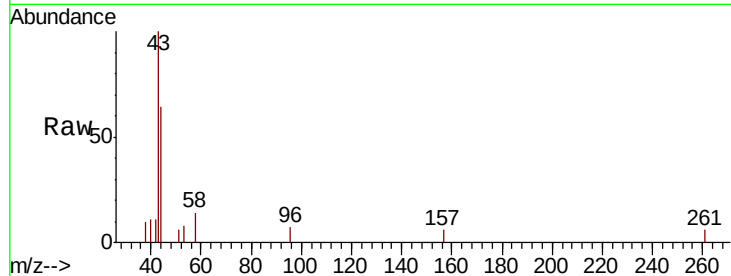




#16
Acetone
Concen: 7.471 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD063684.D
Acq: 20 Aug 2019 15:01

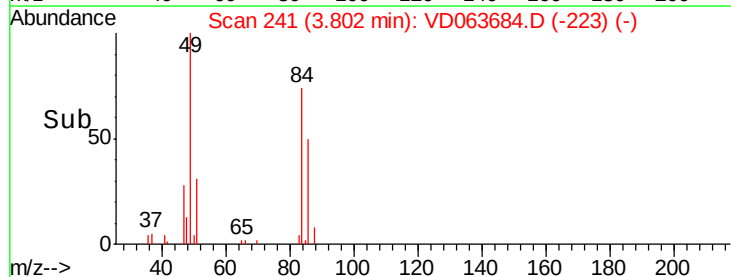
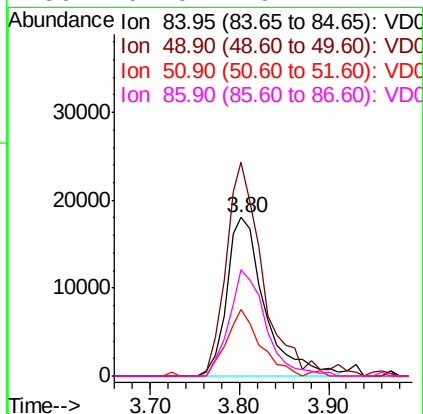
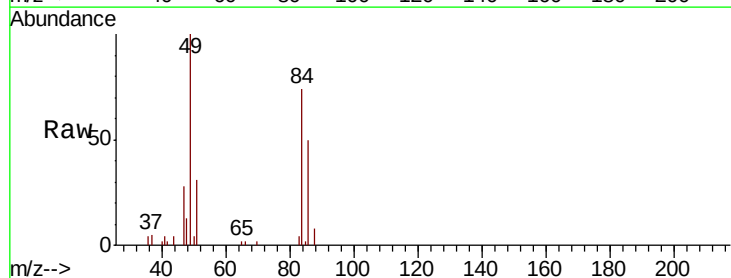
Instrument :
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T8-D-(2)RE

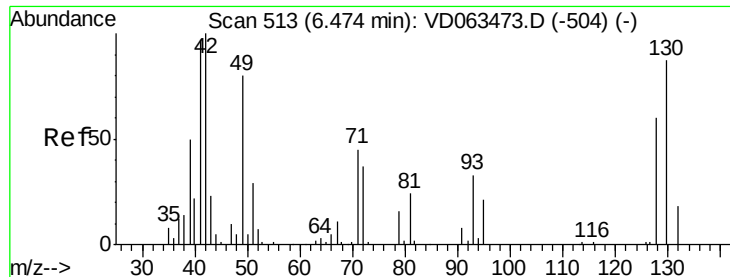
Tgt Ion: 43 Resp: 16070
Ion Ratio Lower Upper
43 100
58 14.3 11.4 17.2



#20
Methylene Chloride
Concen: 5.743 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063684.D
Acq: 20 Aug 2019 15:01

Tgt Ion: 84 Resp: 53410
Ion Ratio Lower Upper
84 100
49 135.1 103.4 155.2
51 42.0 28.5 42.7
86 67.0 49.4 74.2





#29

Tetrahydrofuran

Concen: 7.164 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

T8-D-(2)RE

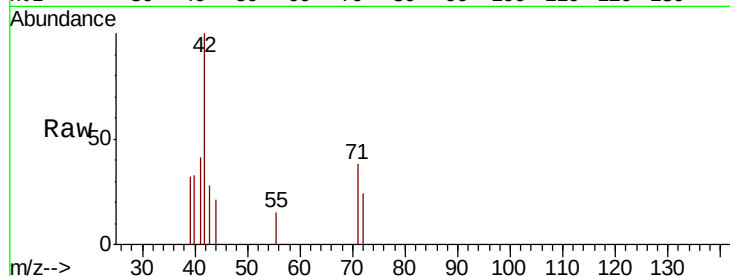
Tgt Ion: 42 Resp: 7091

Ion Ratio Lower Upper

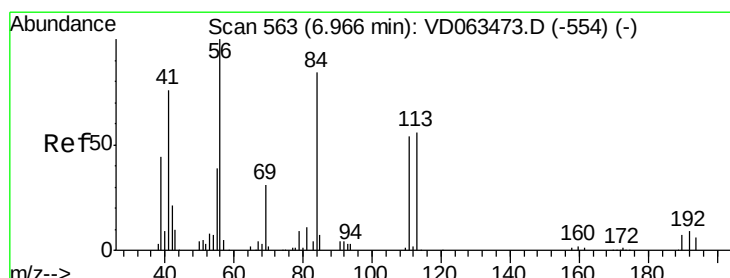
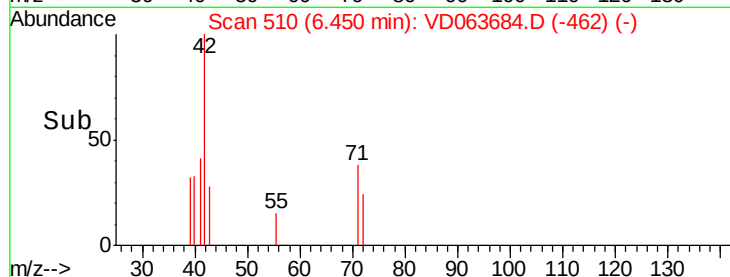
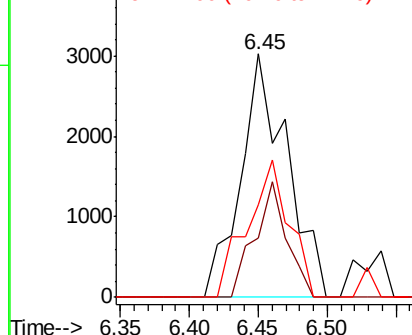
42 100

72 32.8 31.5 47.3

71 50.4 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: 2.189 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

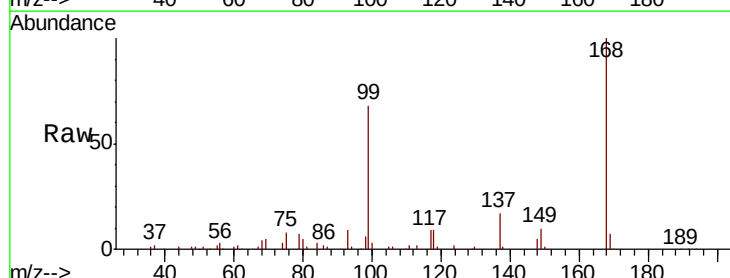
Tgt Ion: 56 Resp: 20913

Ion Ratio Lower Upper

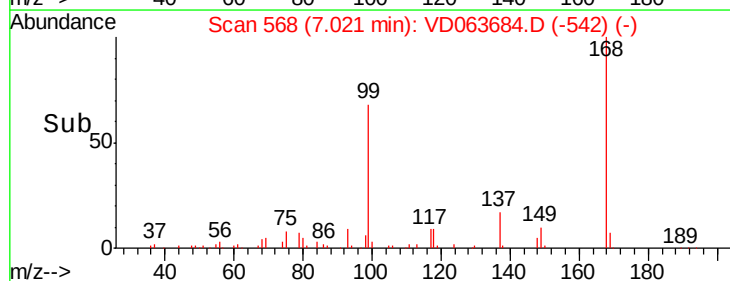
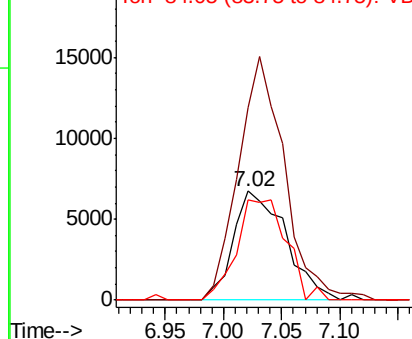
56 100

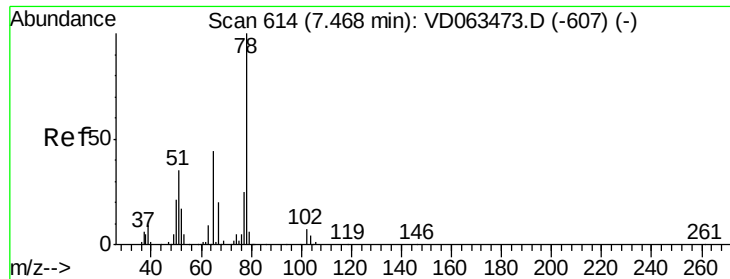
69 176.0 25.0 37.6#

84 92.5 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

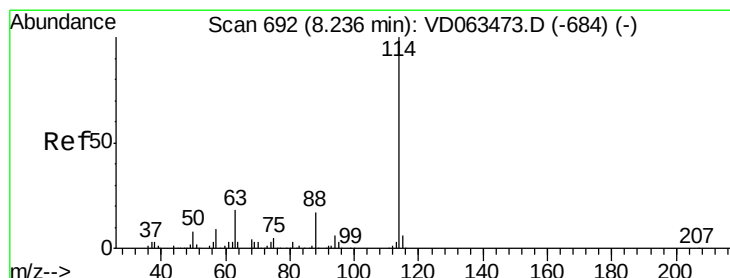
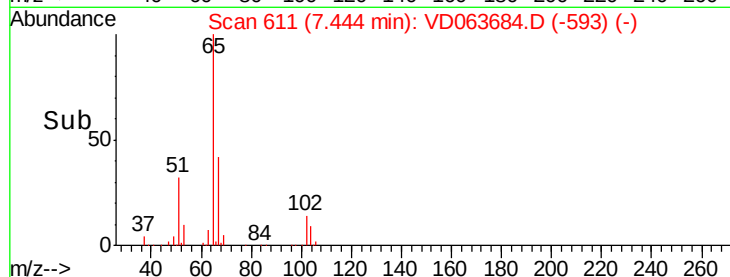
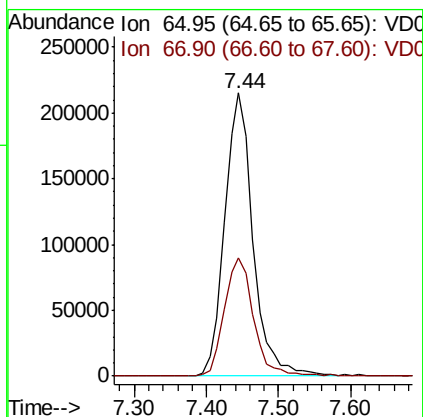
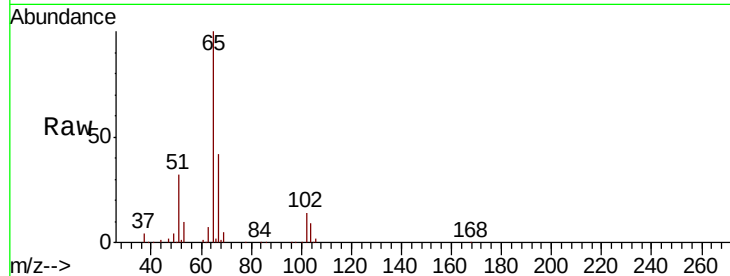




#33
 1,2-Dichloroethane-d4
 Concen: 55.184 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

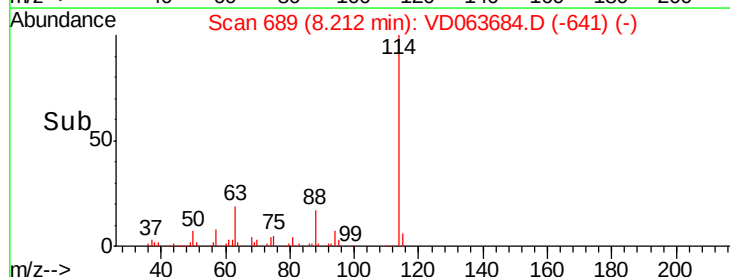
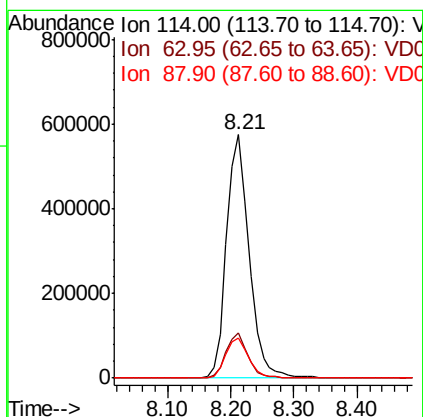
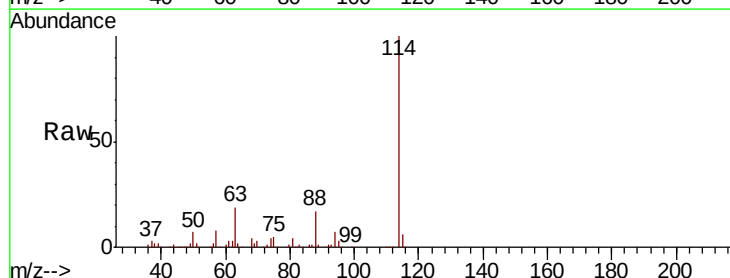
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(2)RE

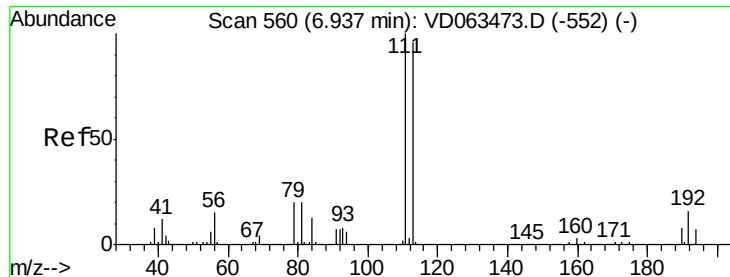
Tgt Ion: 65 Resp: 583884
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

Tgt Ion: 114 Resp: 1430813
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 16.6 0.0 35.0

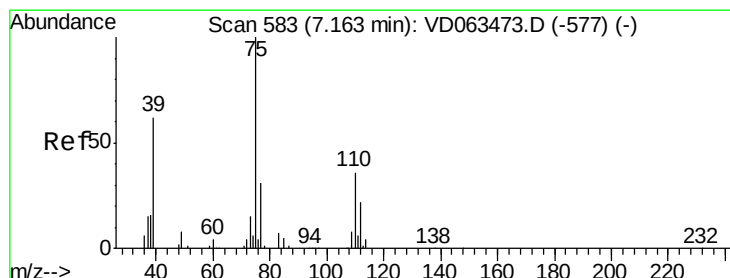
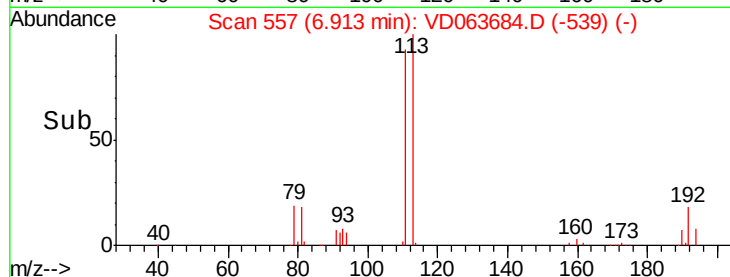
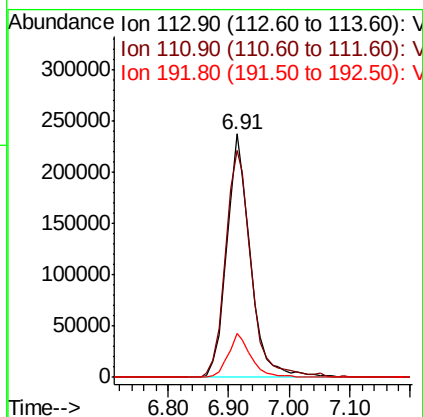
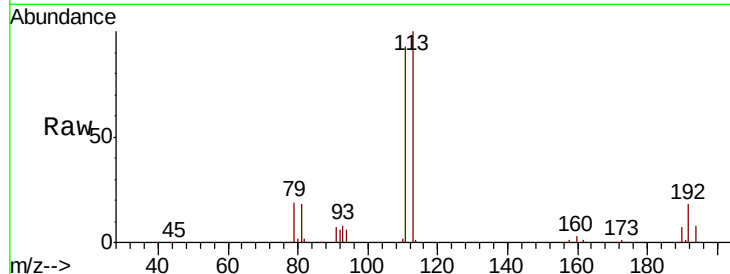




#35
 Dibromofluoromethane
 Concen: 53.180 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

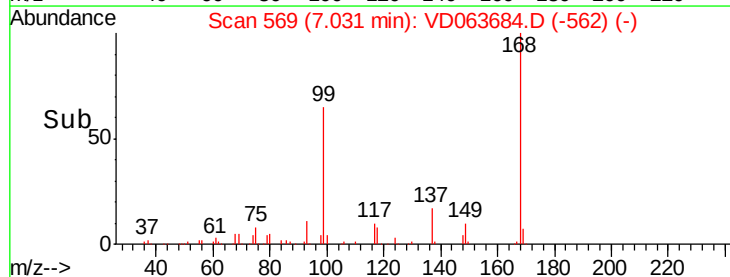
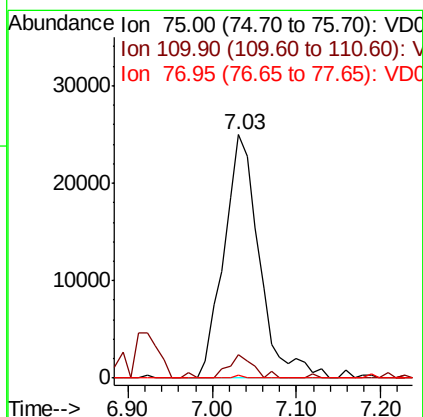
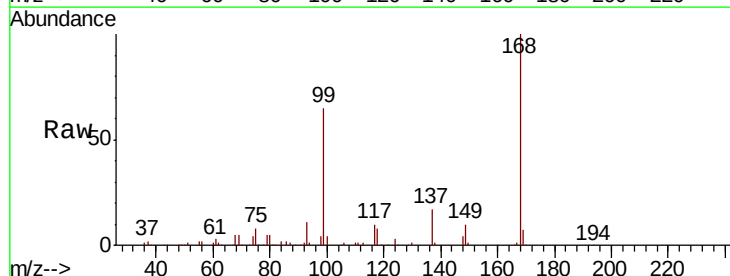
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(2)RE

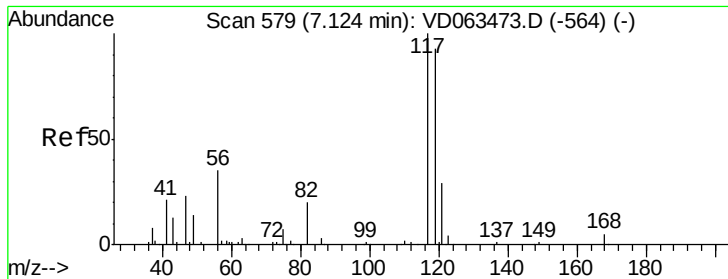
Tgt Ion:113 Resp: 640846
 Ion Ratio Lower Upper
 113 100
 111 93.3 83.1 124.7
 192 18.0 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.766 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

Tgt Ion: 75 Resp: 72929
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.8#
 77 1.2 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.752 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

T8-D-(2)RE

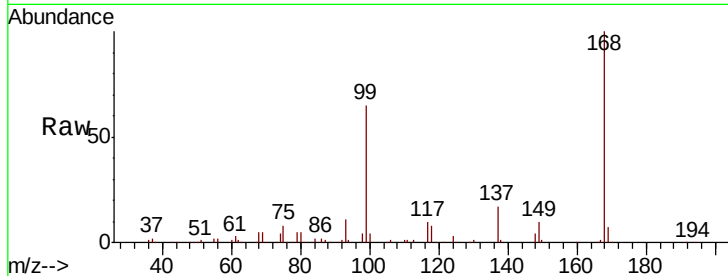
Tgt Ion:117 Resp: 90584

Ion Ratio Lower Upper

117 100

119 3.5 74.2 111.2#

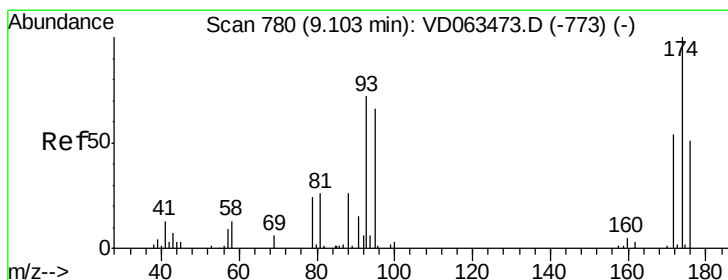
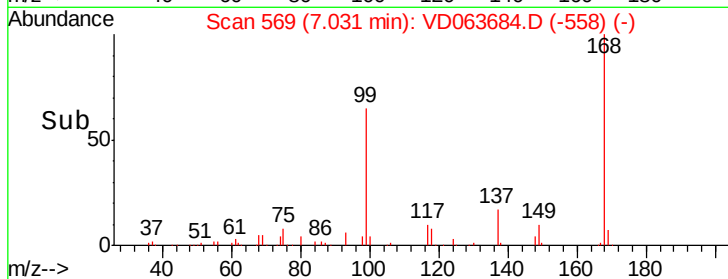
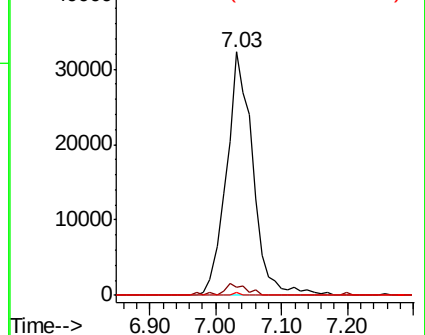
121 1.4 23.1 34.7#



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: 28.960 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.04 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

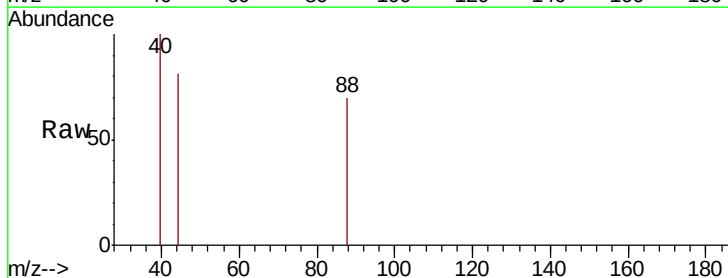
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

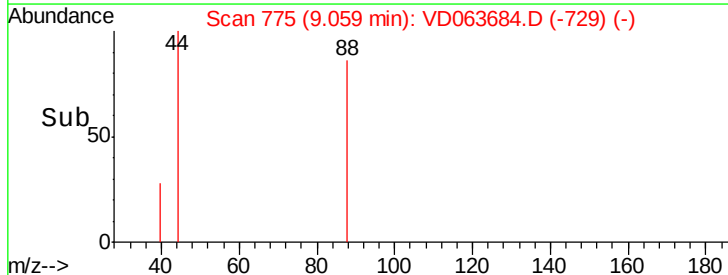
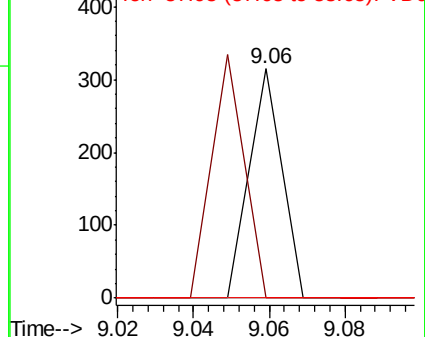
58 0.0 40.1 60.1#

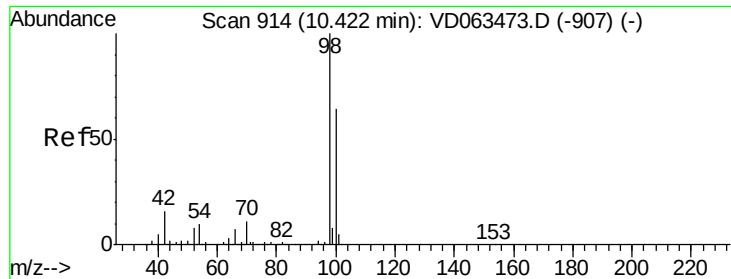


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

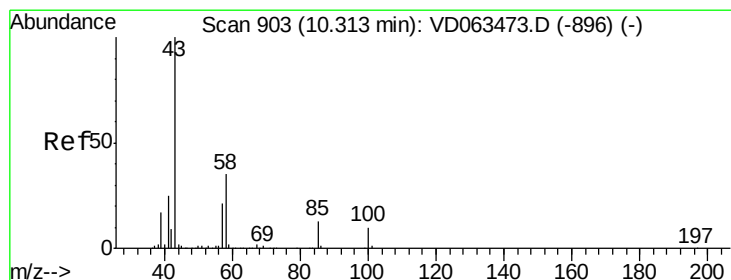
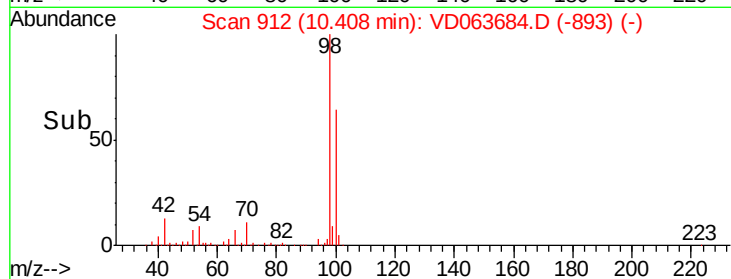
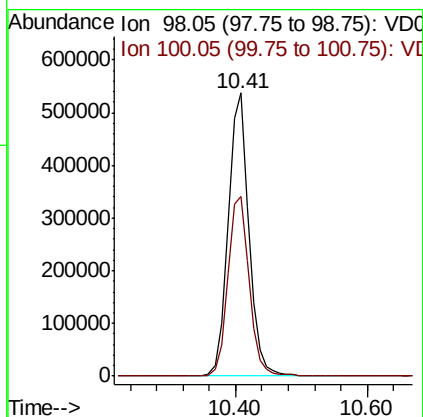
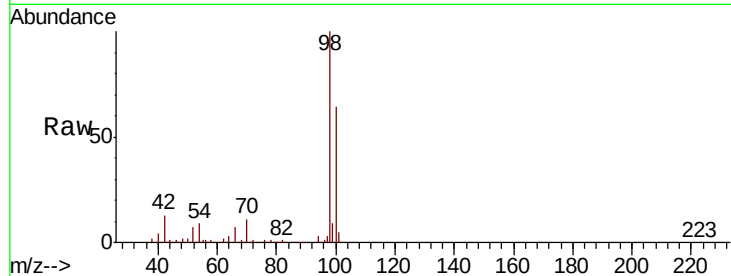




#50
Toluene-d8
Concen: 44.624 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063684.D
Acq: 20 Aug 2019 15:01

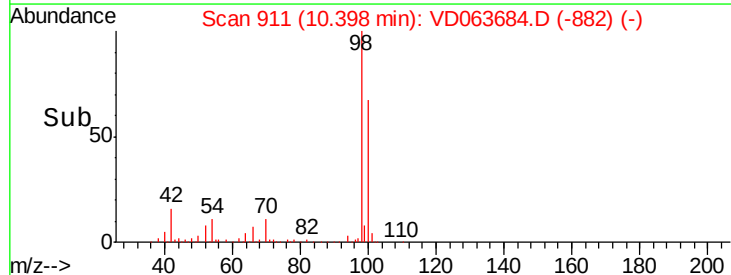
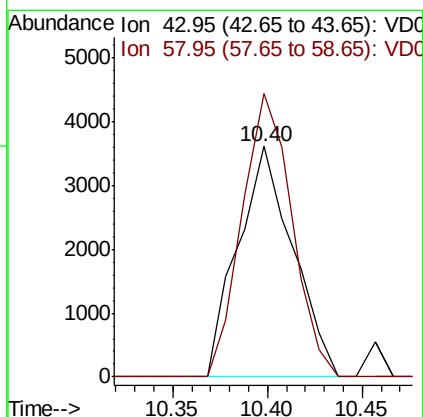
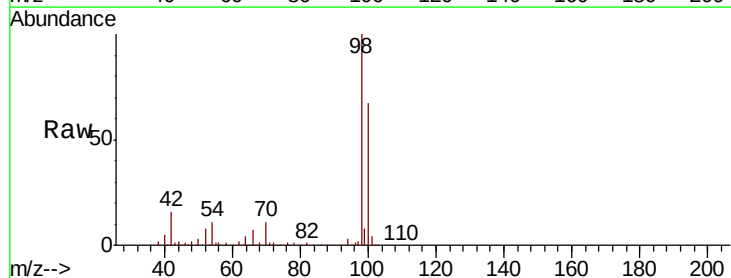
Instrument :
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T8-D-(2)RE

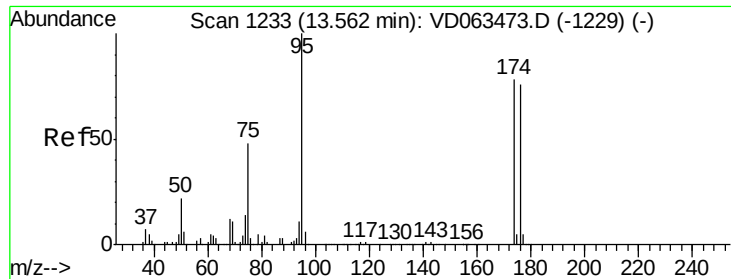
Tgt Ion: 98 Resp: 1182250
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.503 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063684.D
Acq: 20 Aug 2019 15:01

Tgt Ion: 43 Resp: 7299
Ion Ratio Lower Upper
43 100
58 122.9 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 28.835 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

T8-D-(2)RE

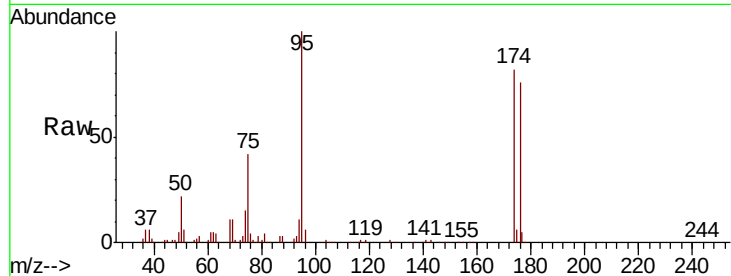
Tgt Ion: 95 Resp: 346251

Ion Ratio Lower Upper

95 100

174 81.7 0.0 155.4

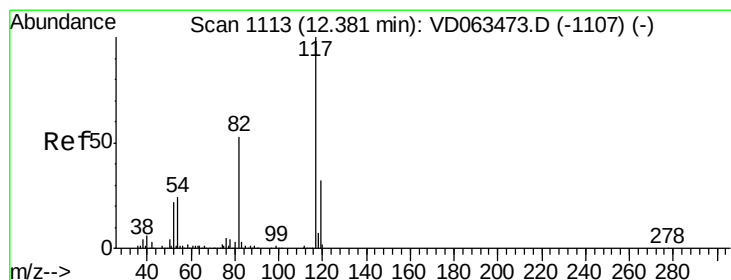
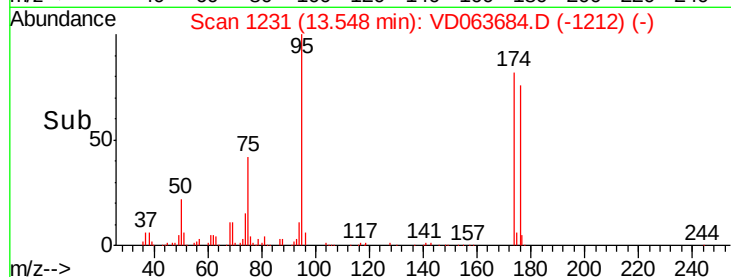
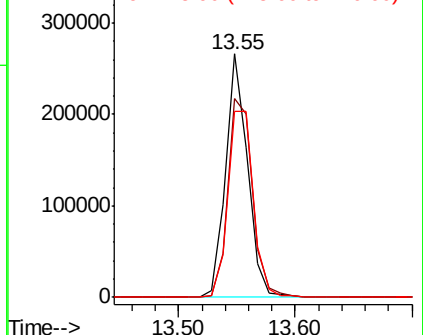
176 76.2 0.0 152.4



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# 1111

Delta R.T. -0.01 min

Lab File: VD063684.D

Acq: 20 Aug 2019 15:01

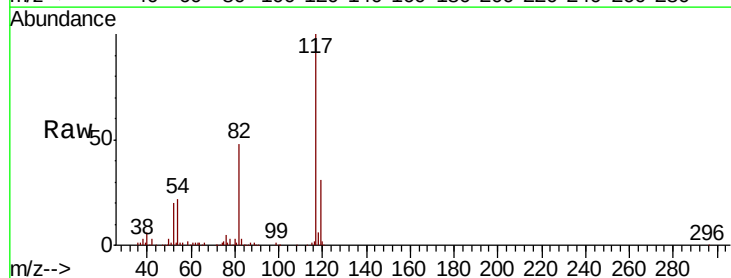
Tgt Ion: 117 Resp: 904950

Ion Ratio Lower Upper

117 100

82 48.2 42.0 63.0

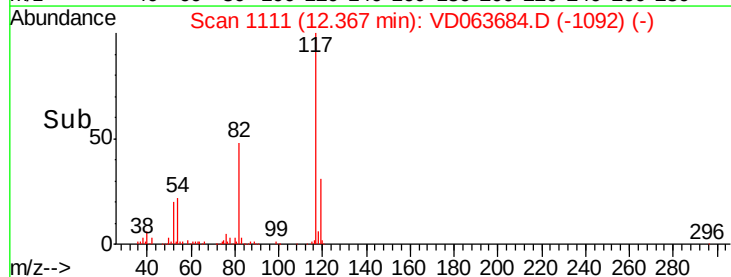
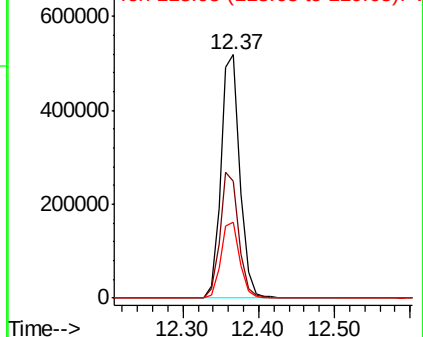
119 31.1 25.4 38.0

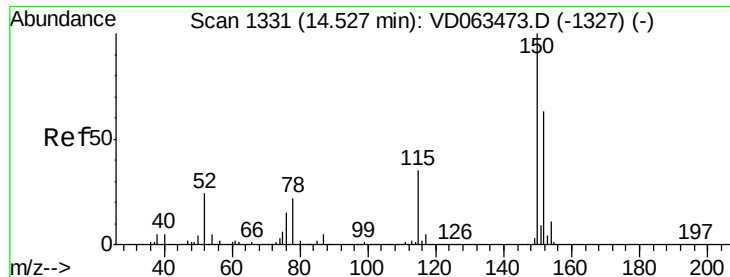


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

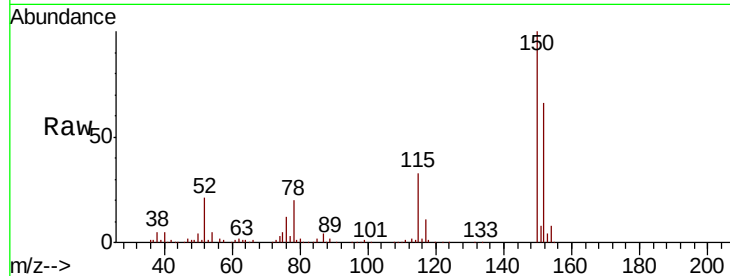




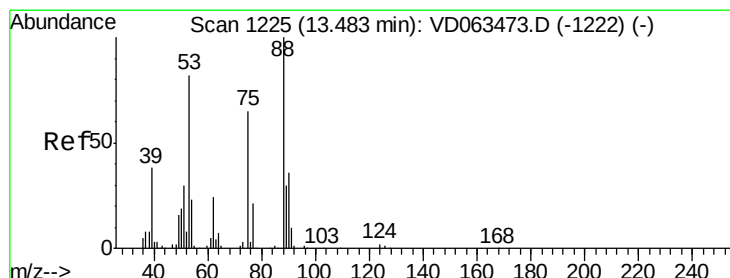
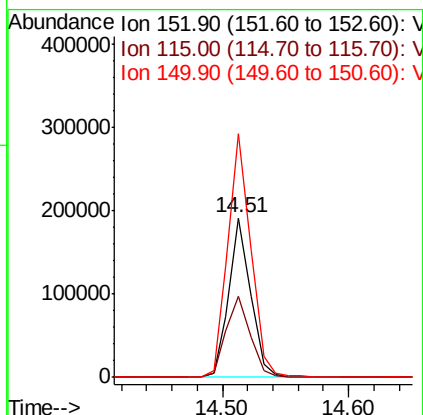
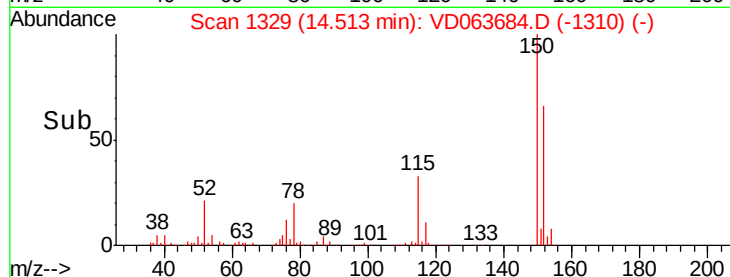
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(2)RE

Tgt Ion:152 Resp: 229716
 Ion Ratio Lower Upper
 152 100
 115 50.8 30.9 92.7
 150 152.4 0.0 318.6

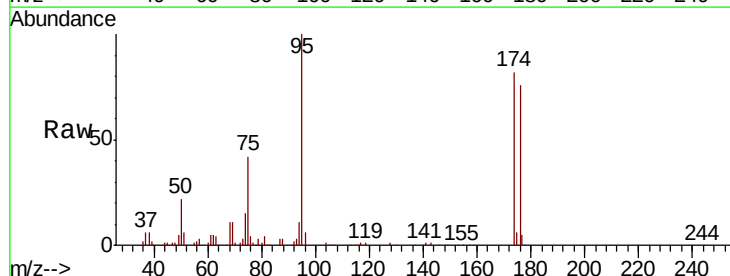


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 208.323 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.06 min
 Lab File: VD063684.D
 Acq: 20 Aug 2019 15:01

Tgt Ion: 75 Resp: 147615
 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

