

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063714.D
 Acq On : 21 Aug 2019 15:47
 Operator : JC/SY
 Sample : K4386-16
 Misc : 5.95µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A1-(2)

Quant Time: Aug 22 09:17:40 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	48308	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	82830	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	70012	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	31295	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	57392	111.14	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	222.28%	
35) Dibromofluoromethane	6.93	113	47798	68.52	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	137.04%	
50) Toluene-d8	10.41	98	66174	43.15	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	86.30%	
62) 4-Bromofluorobenzene	13.55	95	31537	45.37	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	90.74%	

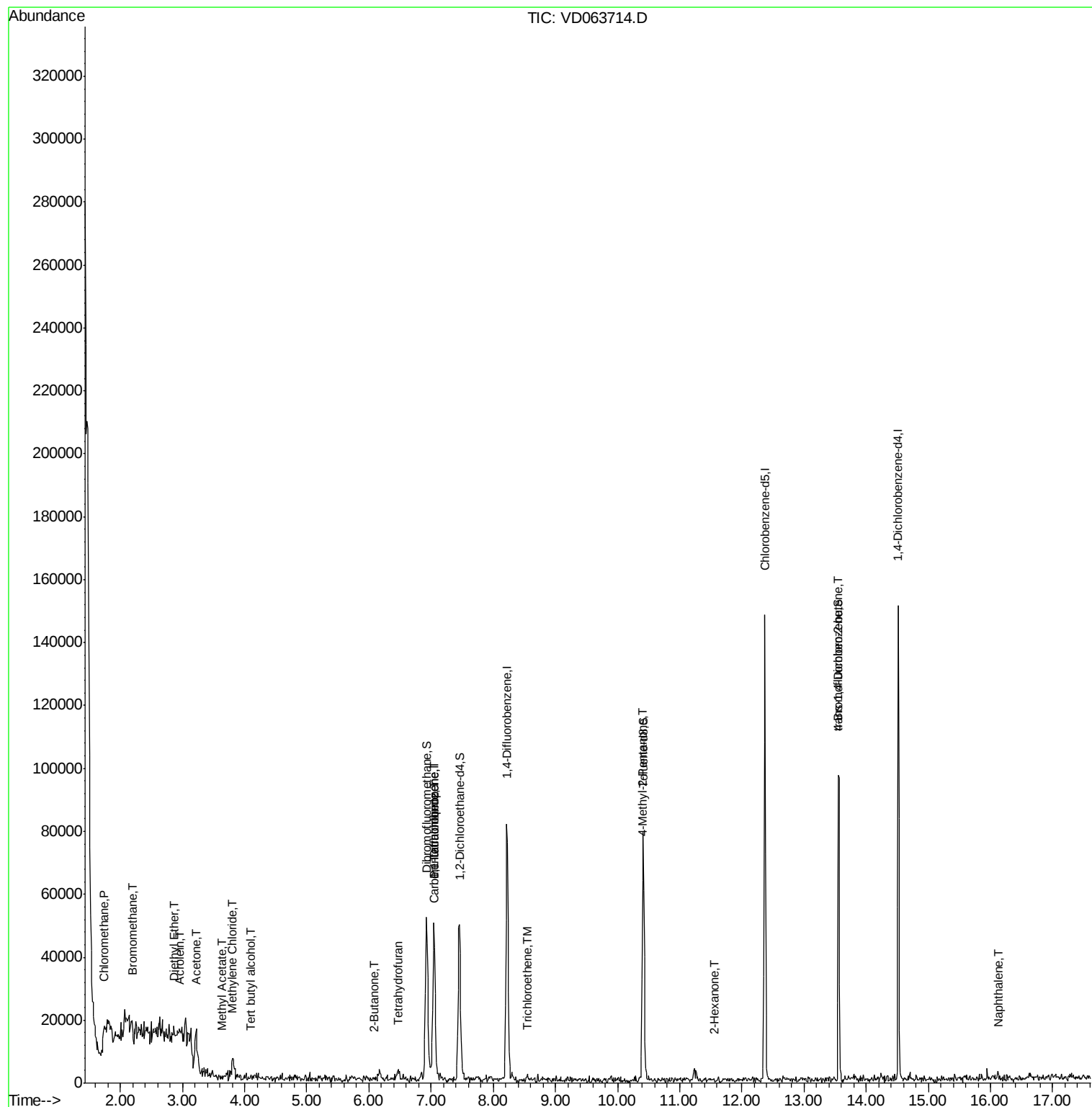
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.73	50	489	1.071	ug/l #	41
5) Bromomethane	2.18	94	4812	22.497	ug/l #	11
8) Diethyl Ether	2.87	74	223	1.776	ug/l	57
11) Tert butyl alcohol	4.11	59	185	8.230	ug/l #	71
13) Acrolein	2.95	56	199	8.994	ug/l #	1
16) Acetone	3.23	43	25229	240.347	ug/l #	89
18) Methyl Acetate	3.64	43	215	1.081	ug/l #	57
20) Methylene Chloride	3.82	84	3907	8.608	ug/l #	75
25) 2-Butanone	6.09	43	405	3.907	ug/l #	58
29) Tetrahydrofuran	6.46	42	3052	63.178	ug/l #	50
36) 1,1-Dichloropropene	7.05	75	3070	4.193	ug/l #	67
38) Carbon Tetrachloride	7.06	117	4475	4.055	ug/l #	13
44) Trichloroethene	8.54	130	715	1.161	ug/l	51
51) 4-Methyl-2-Pentanone	10.39	43	542	1.927	ug/l #	40
59) 2-Hexanone	11.56	43	251	1.227	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	12736	131.933	ug/l #	1
95) Naphthalene	16.12	128	1348	1.448	ug/l #	71

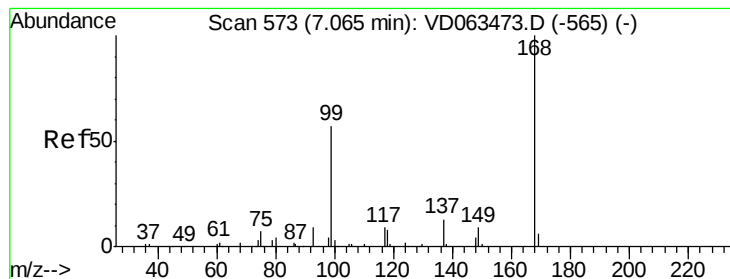
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082119\
Data File : VD063714.D
Acq On : 21 Aug 2019 15:47
Operator : JC/SY
Sample : K4386-16
Misc : 5.95g/5ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T6-A1-(2)

Quant Time: Aug 22 09:17:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

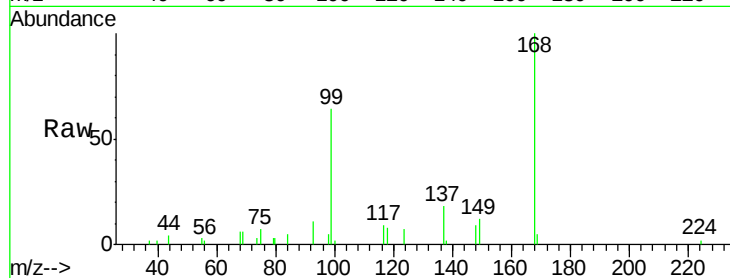
T6-A1-(2)

Tot Ion:168 Resp: 48308

Ion Ratio Lower Upper

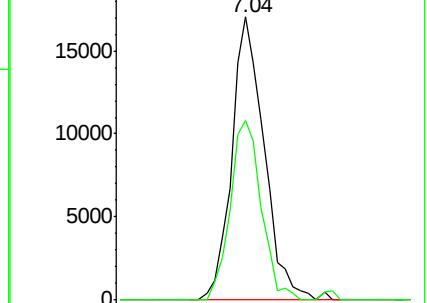
168 100

99 63.7 46.7 70.1

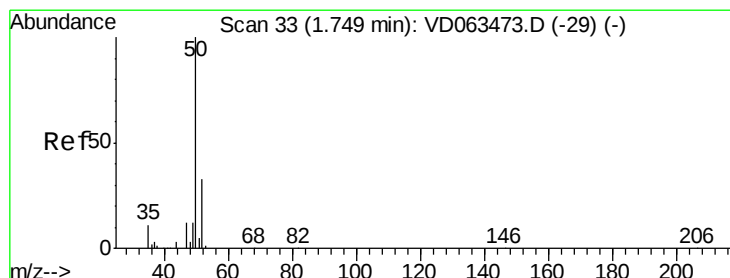
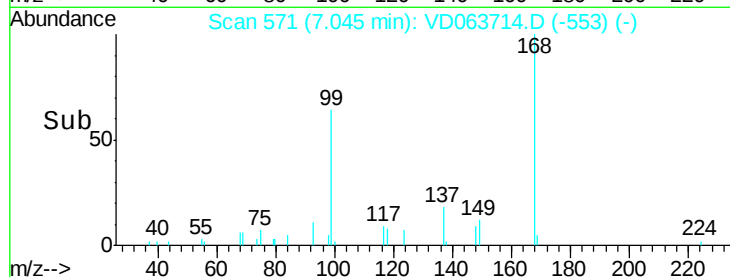


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#3

Chloromethane

Concen: 1.071 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD063714.D

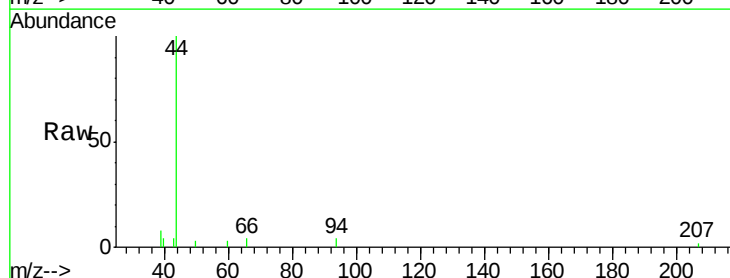
Acq: 21 Aug 2019 15:47

Tgt Ion: 50 Resp: 489

Ion Ratio Lower Upper

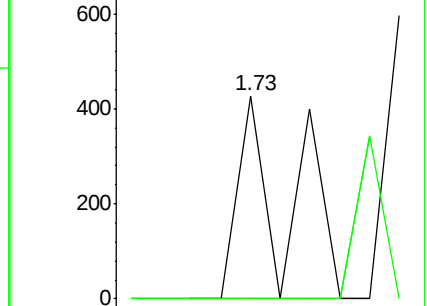
50 100

52 0.0 26.6 40.0#

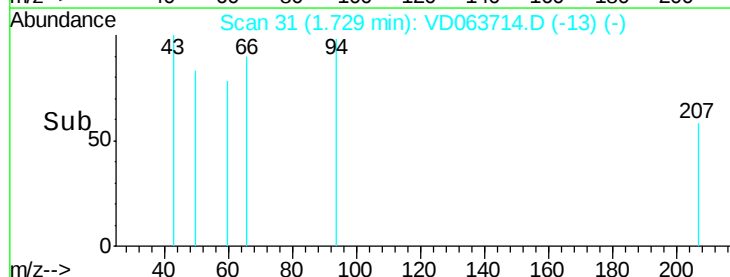


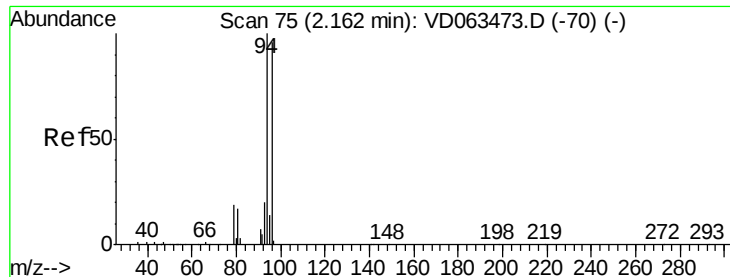
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->





#5

Bromomethane

Concen: 22.497 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

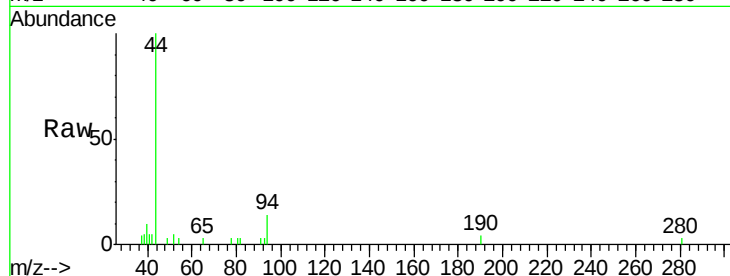
Tot Ion: 94 Resp: 4812

Ion Ratio Lower Upper

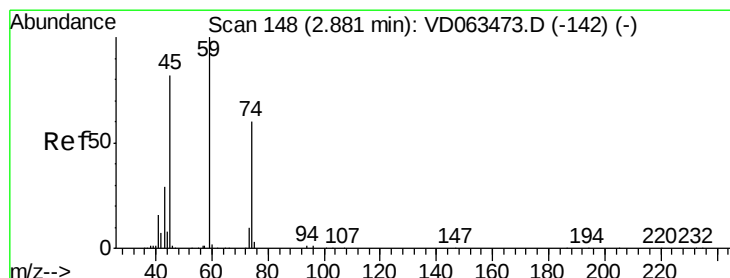
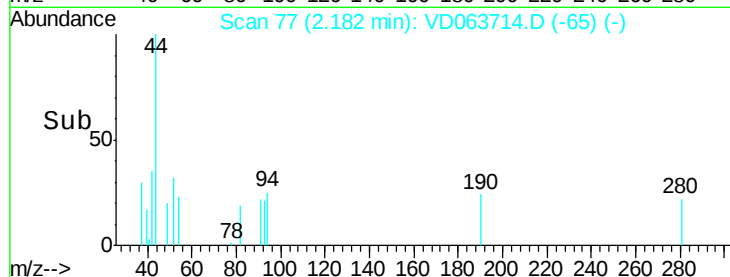
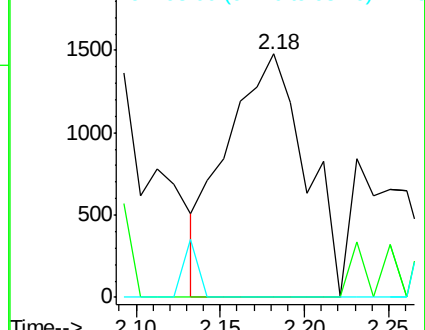
94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



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



#8

Diethyl Ether

Concen: 1.776 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD063714.D

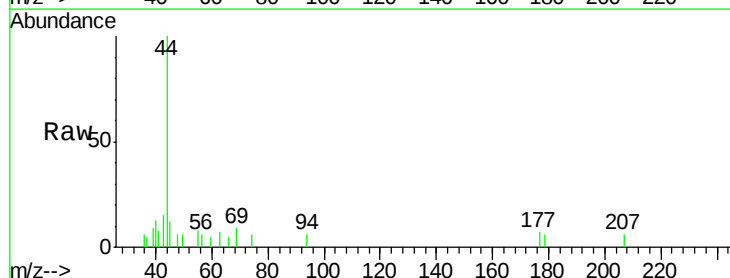
Acq: 21 Aug 2019 15:47

Tgt Ion: 74 Resp: 223

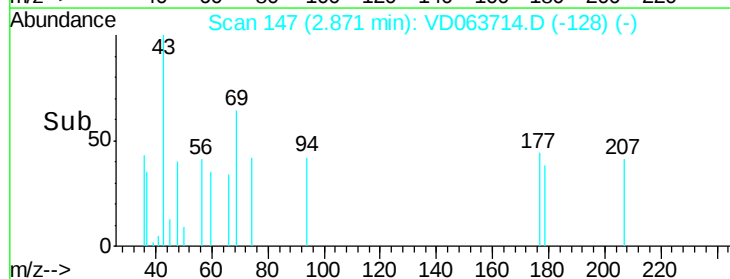
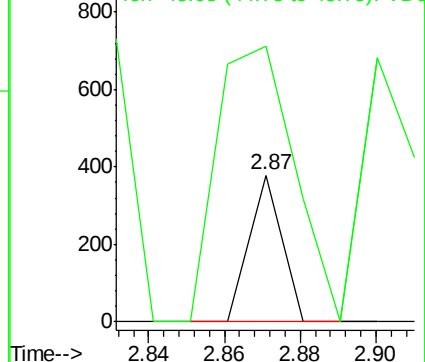
Ion Ratio Lower Upper

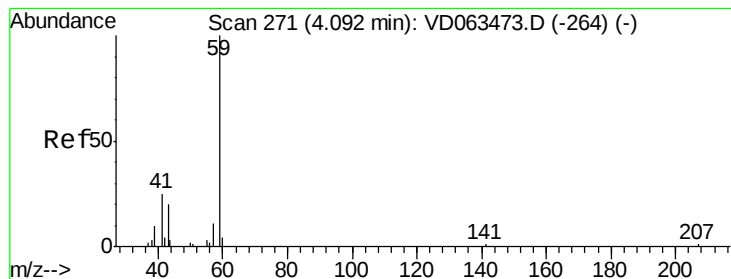
74 100

45 188.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



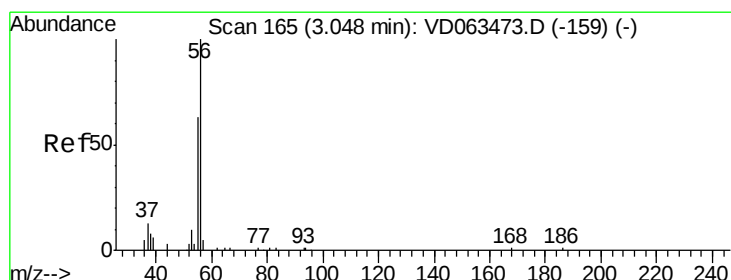
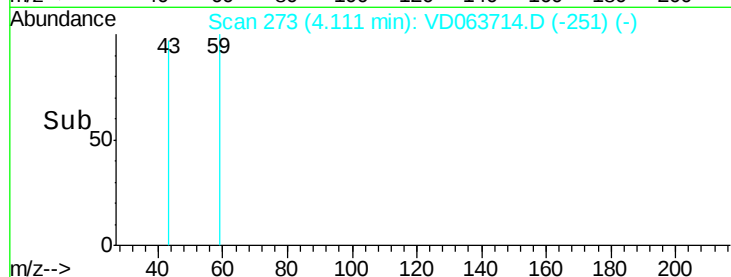
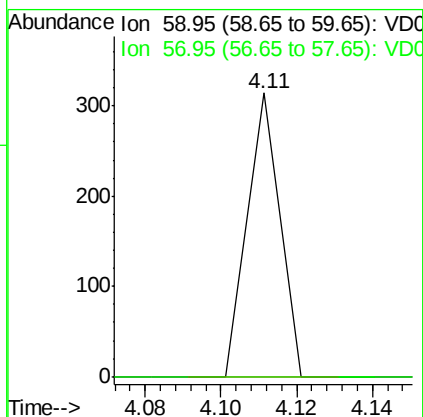
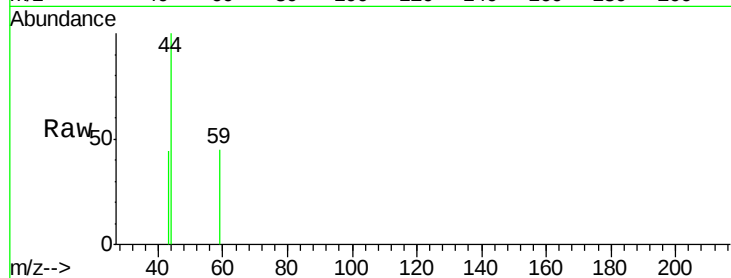


#11

Tert butyl alcohol
 Concen: 8.230 ug/l
 RT: 4.11 min Scan# 273
 Delta R.T. 0.02 min
 Lab File: VD063714.D
 Acq: 21 Aug 2019 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A1-(2)

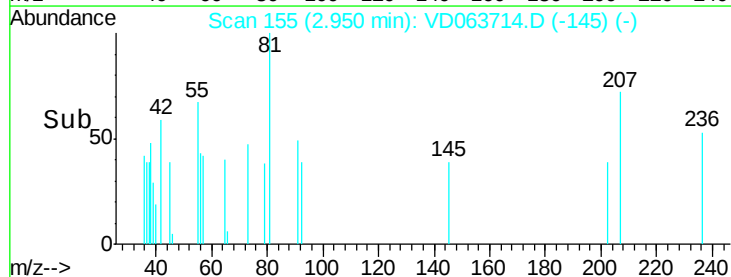
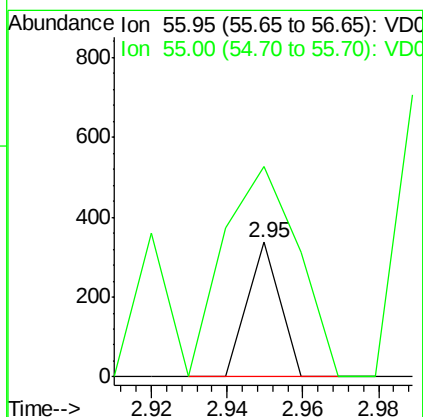
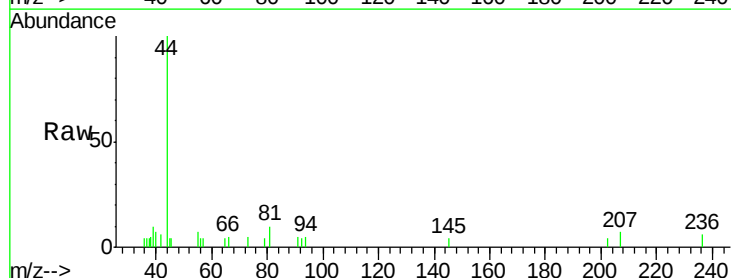
Tot Ion: 59 Resp: 185
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

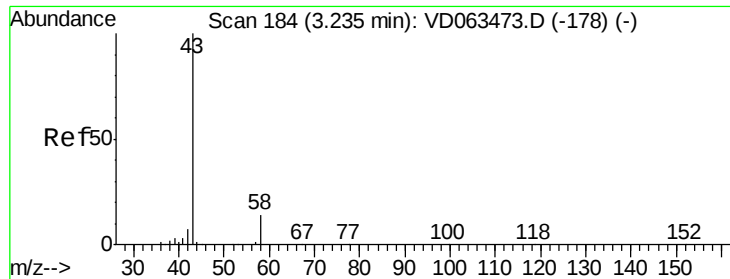


#13

Acrolein
 Concen: 8.994 ug/l
 RT: 2.95 min Scan# 155
 Delta R.T. -0.10 min
 Lab File: VD063714.D
 Acq: 21 Aug 2019 15:47

Tgt Ion: 56 Resp: 199
 Ion Ratio Lower Upper
 56 100
 55 156.4 51.3 76.9#





#16

Acetone

Concen: 240.347 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

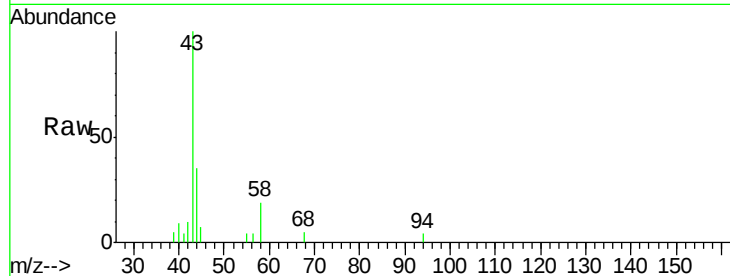
T6-A1-(2)

Tot Ion: 43 Resp: 25229

Ion Ratio Lower Upper

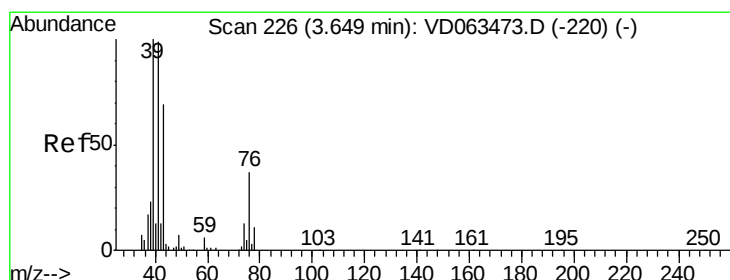
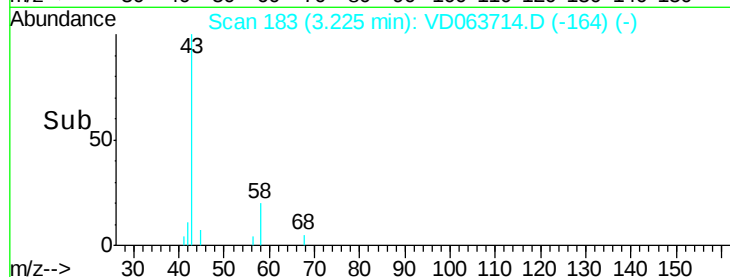
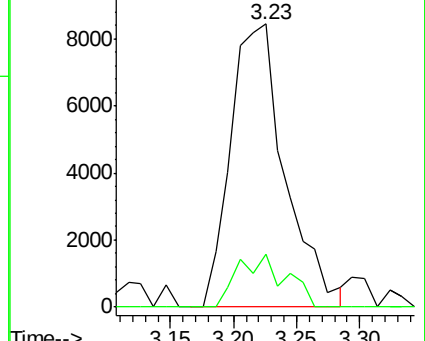
43 100

58 18.7 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.081 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063714.D

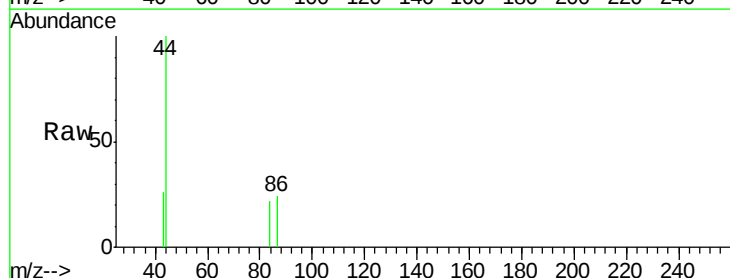
Acq: 21 Aug 2019 15:47

Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

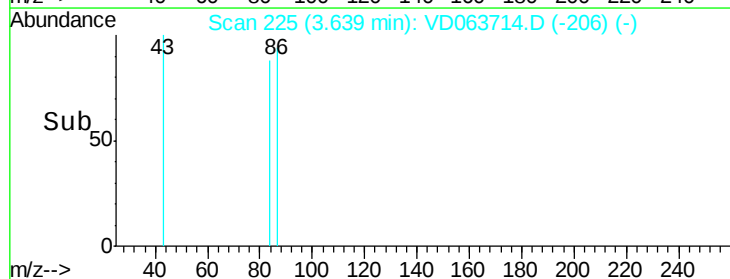
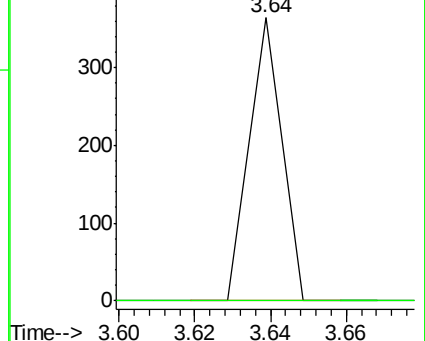
43 100

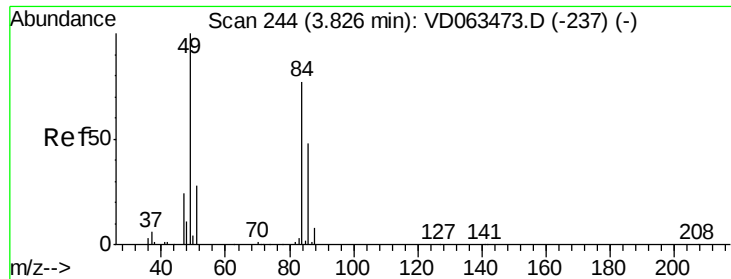
74 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

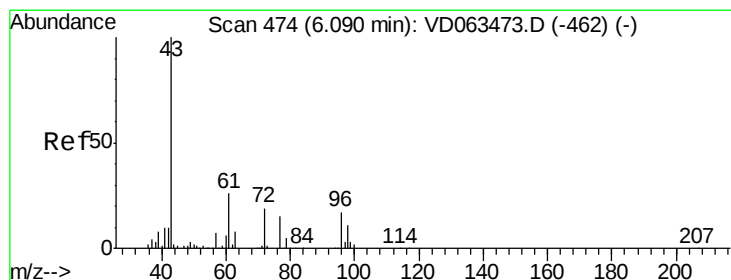
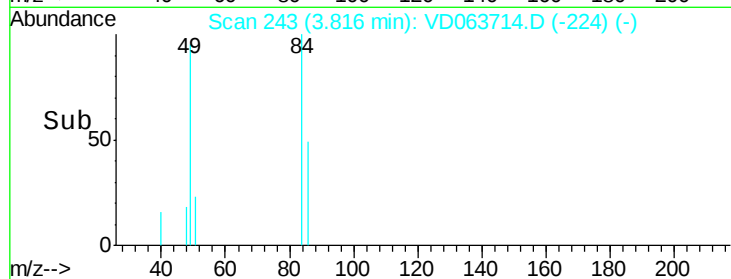
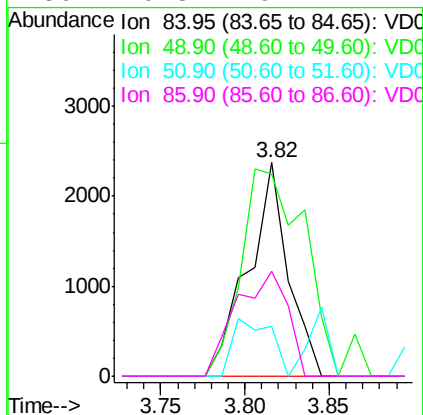
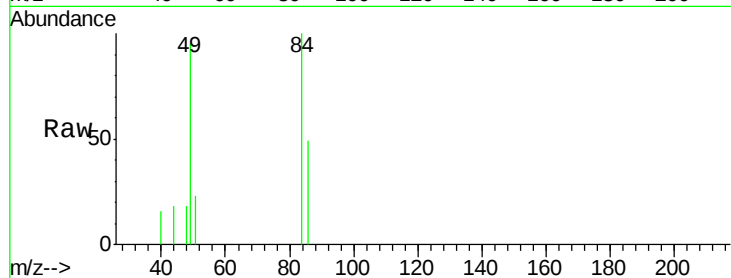




#20
Methvlene Chloride
Concen: 8.608 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063714.D
Acq: 21 Aug 2019 15:47

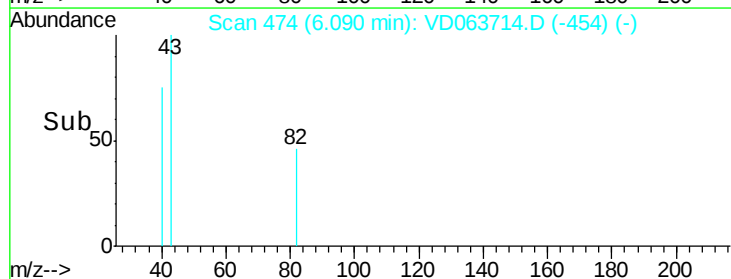
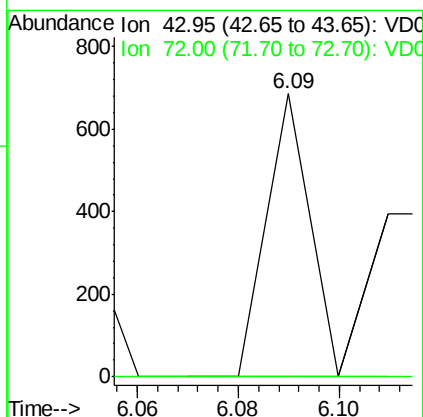
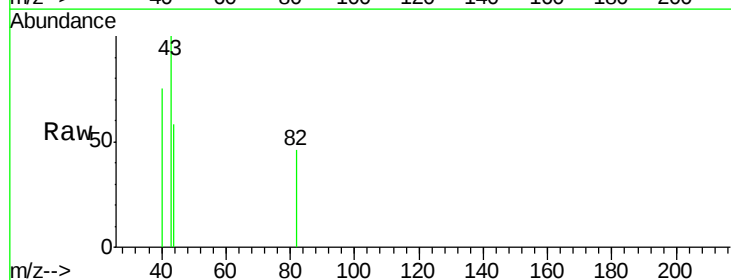
Instrument :
MSVOA_D
ClientSampleId :
T6-A1-(2)

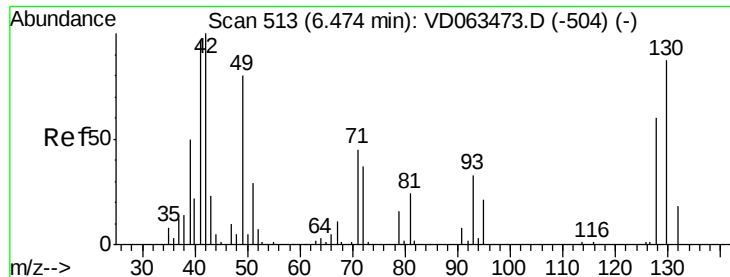
Tot Ion:	84	Resp:	3907
Ion	Ratio	Lower	Upper
84	100		
49	94.7	103.4	155.2#
51	23.2	28.5	42.7#
86	49.3	49.4	74.2#



#25
2-Butanone
Concen: 3.907 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD063714.D
Acq: 21 Aug 2019 15:47

Tgt Ion:	43	Resp:	405
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#





#29

Tetrahydrofuran

Concen: 63.178 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

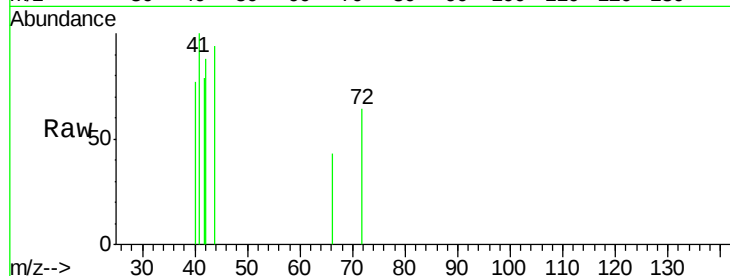
Tot Ion: 42 Resp: 3052

Ion Ratio Lower Upper

42 100

72 8.7 31.5 47.3#

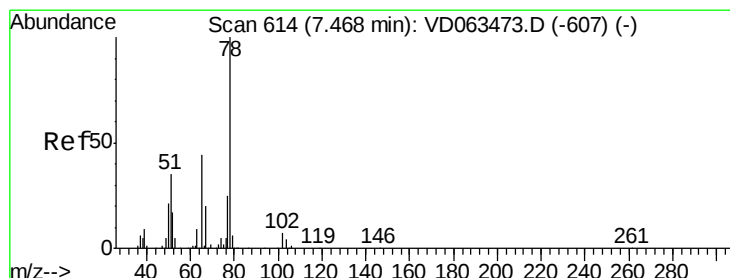
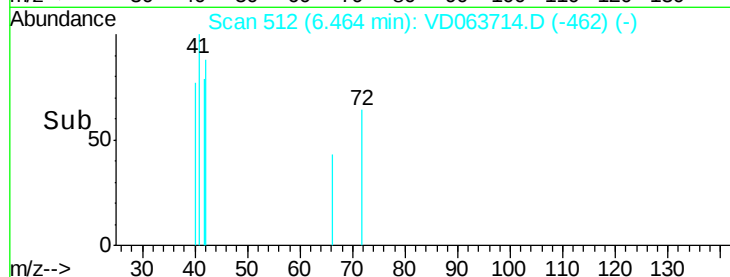
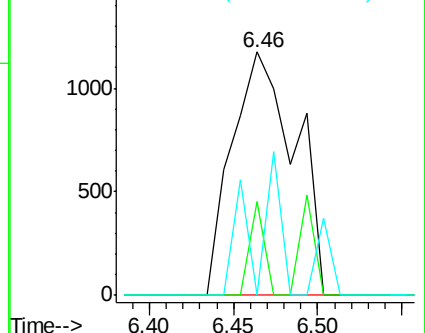
71 10.8 33.8 50.8#



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



#33

1,2-Dichloroethane-d4

Concen: 111.144 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063714.D

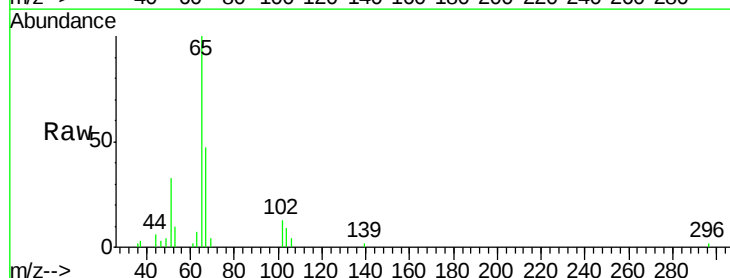
Acq: 21 Aug 2019 15:47

Tgt Ion: 65 Resp: 57392

Ion Ratio Lower Upper

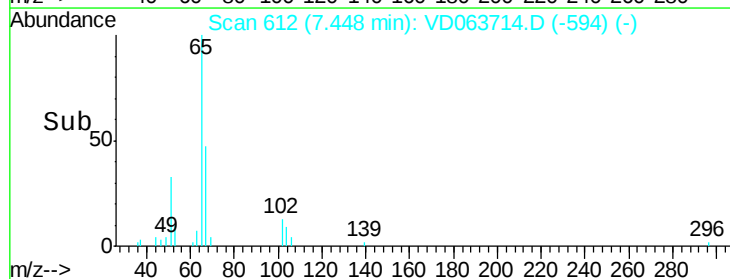
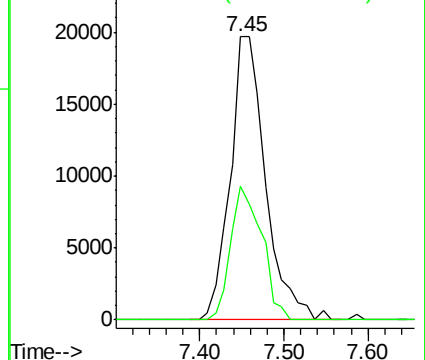
65 100

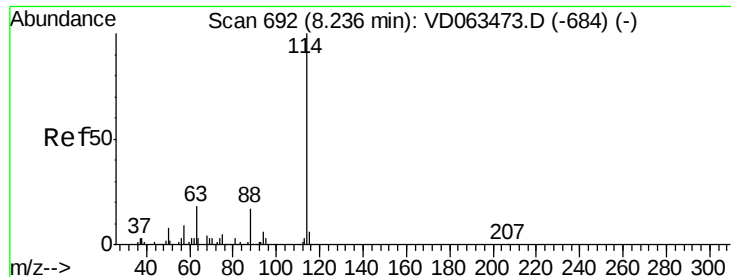
67 47.3 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

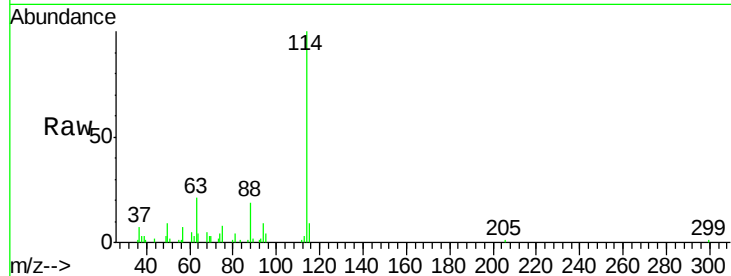
Tot Ion:114 Resp: 82830

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.2

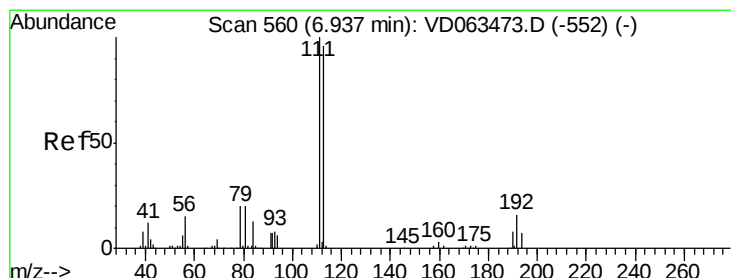
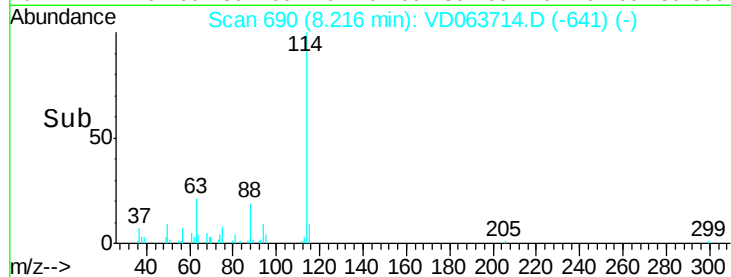
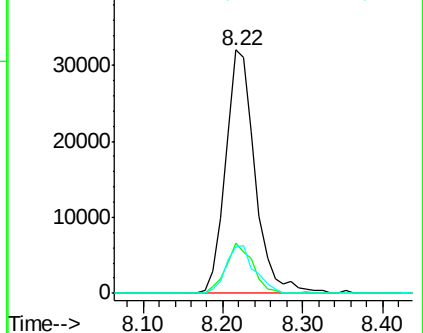
88 18.9 0.0 35.0



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



#35

Dibromofluoromethane

Concen: 68.518 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

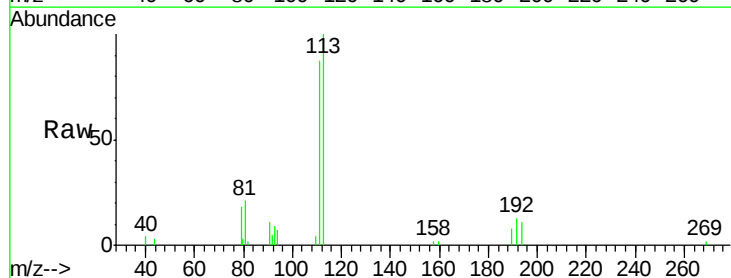
Tgt Ion:113 Resp: 47798

Ion Ratio Lower Upper

113 100

111 87.4 83.1 124.7

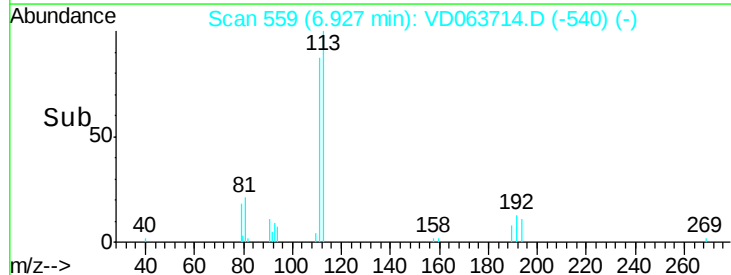
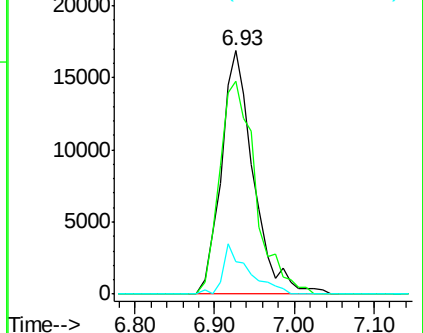
192 13.2 13.1 19.7

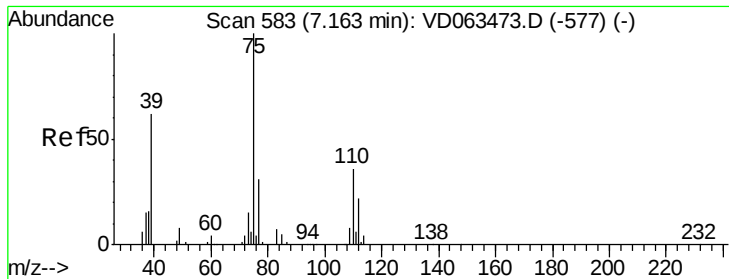


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.193 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

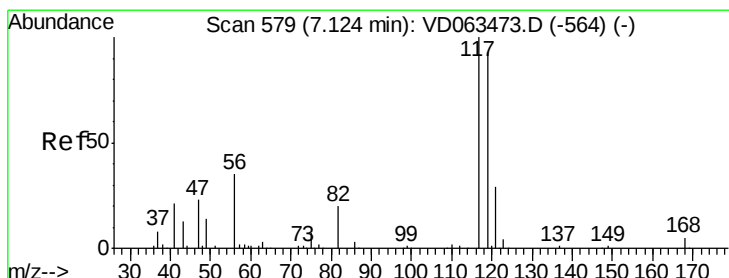
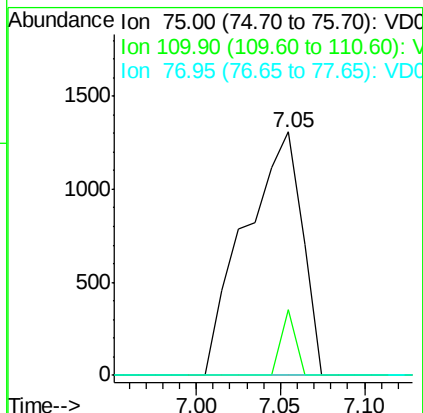
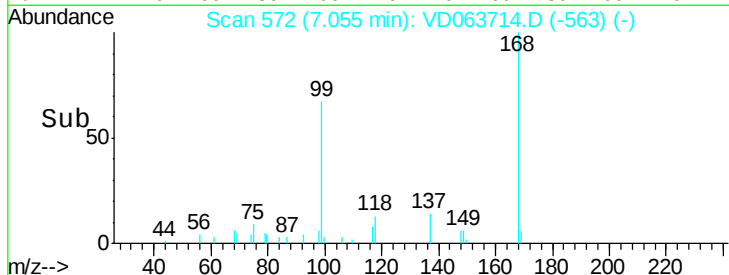
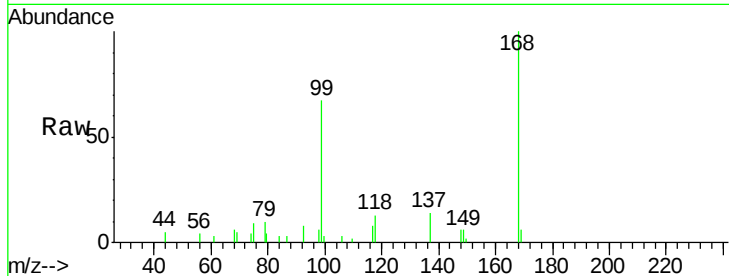
Tot Ion: 75 Resp: 3070

Ion Ratio Lower Upper

75 100

110 26.9 17.6 52.8

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.055 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

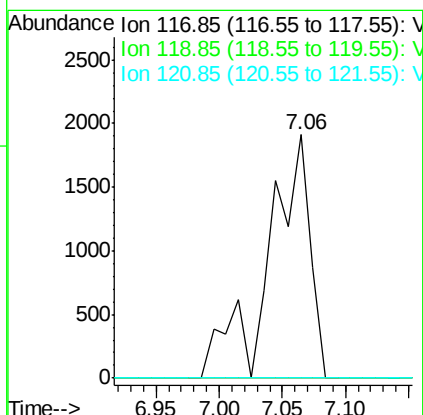
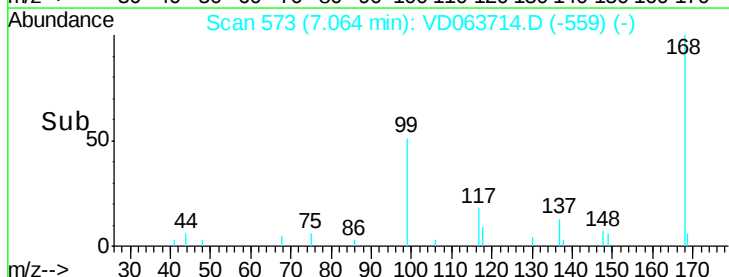
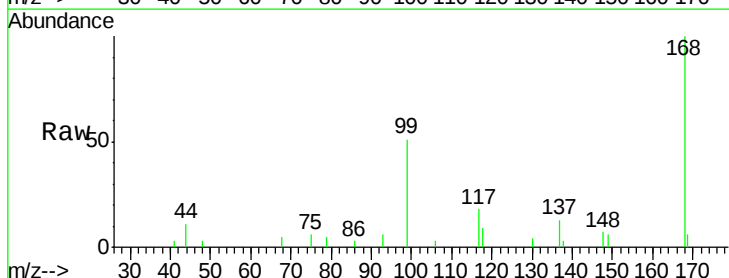
Tgt Ion: 117 Resp: 4475

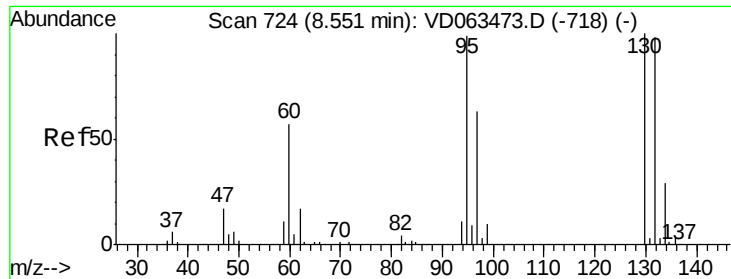
Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

121 0.0 23.1 34.7#





#44

Trichloroethene

Concen: 1.161 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

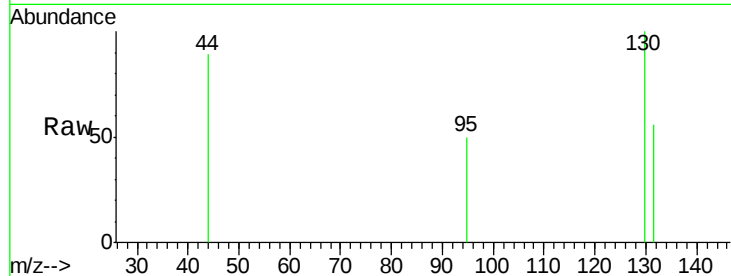
T6-A1-(2)

Tot Ion:130 Resp: 715

Ion Ratio Lower Upper

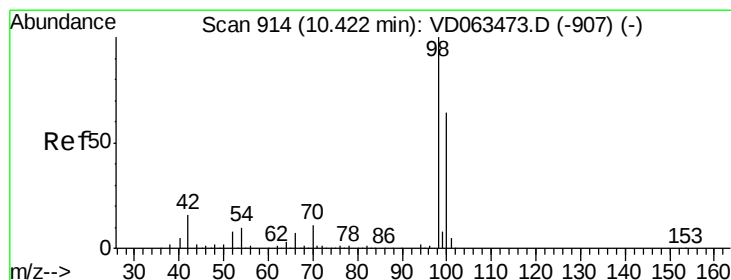
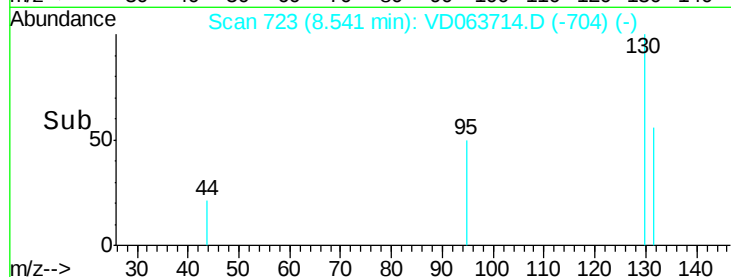
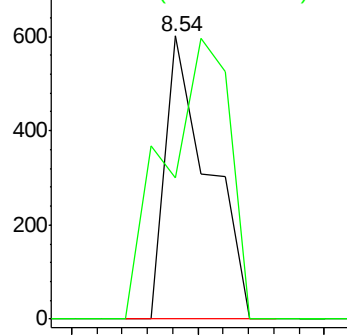
130 100

95 49.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 43.147 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063714.D

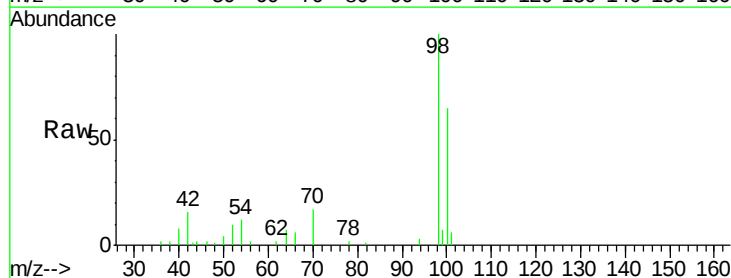
Acq: 21 Aug 2019 15:47

Tgt Ion: 98 Resp: 66174

Ion Ratio Lower Upper

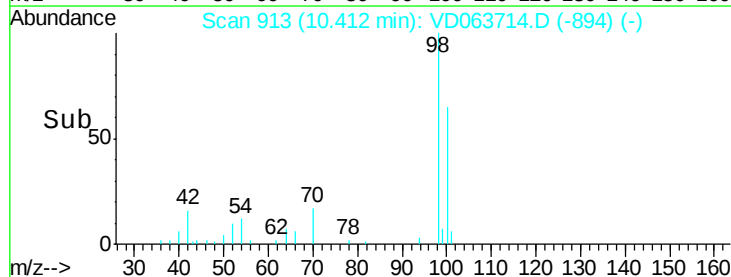
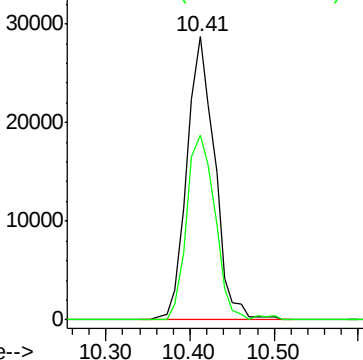
98 100

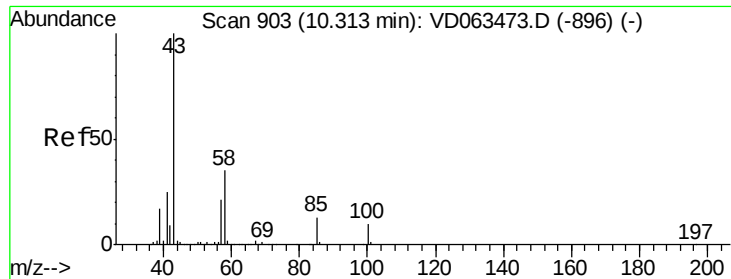
100 65.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.927 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.08 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

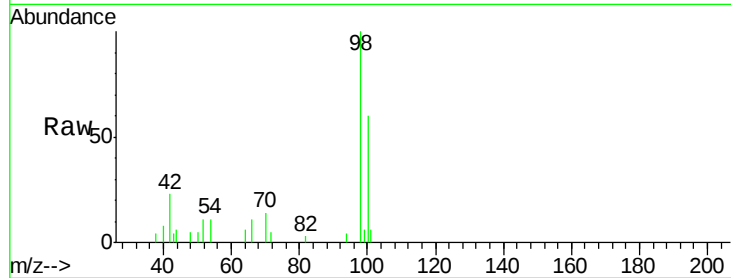
T6-A1-(2)

Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

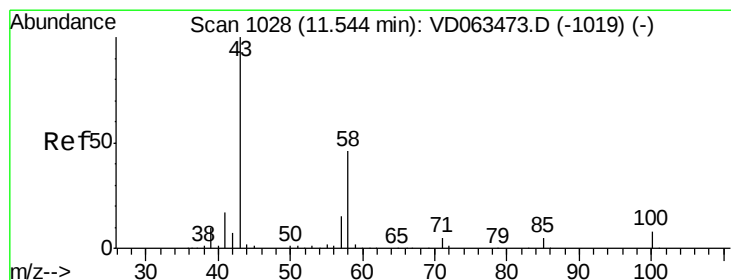
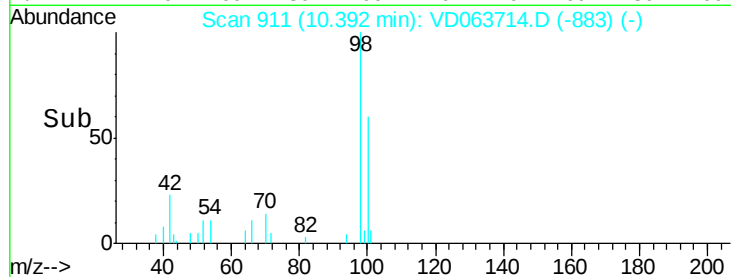
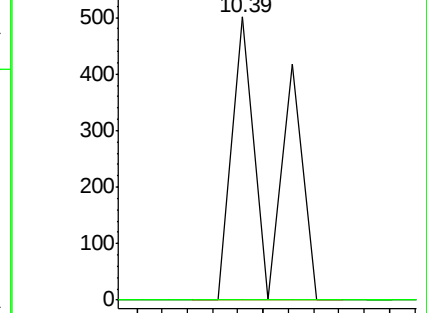
43 100

58 0.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 1.227 ug/l

RT: 11.56 min Scan# 1030

Delta R.T. 0.02 min

Lab File: VD063714.D

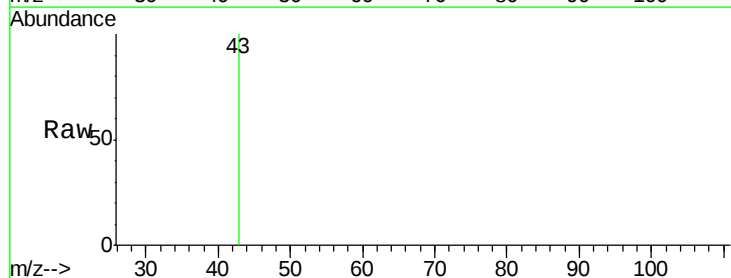
Acq: 21 Aug 2019 15:47

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

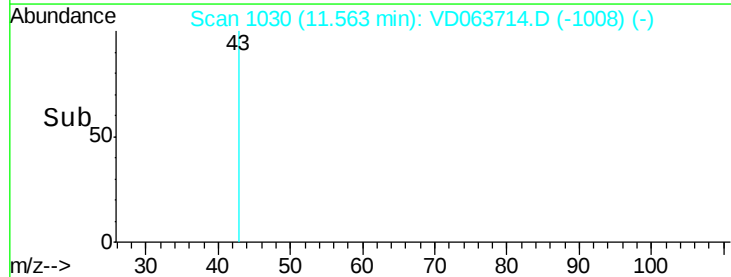
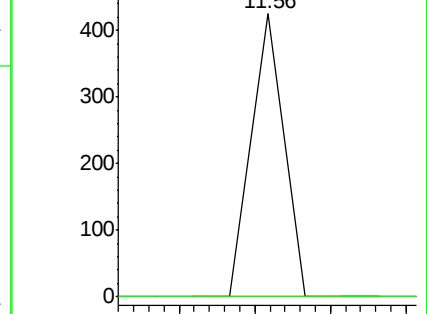
43 100

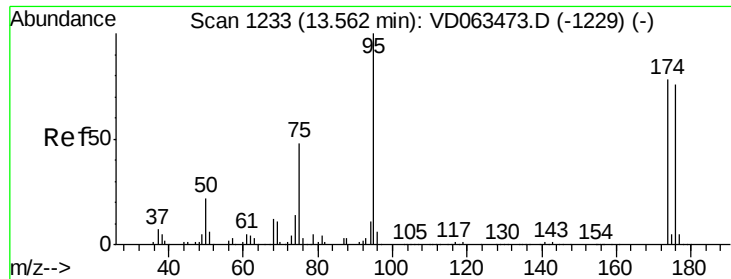
58 0.0 23.1 69.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

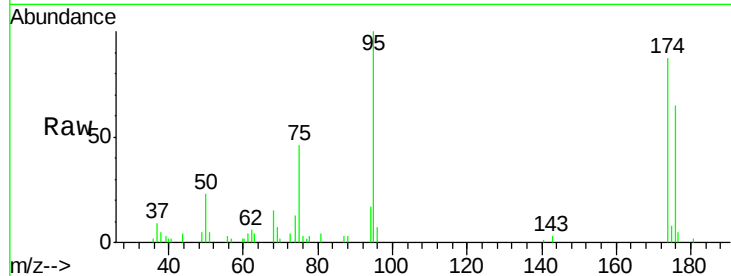




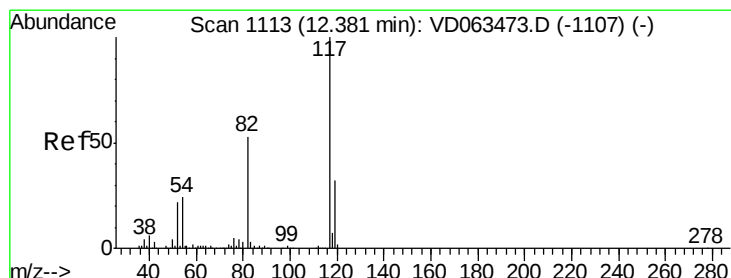
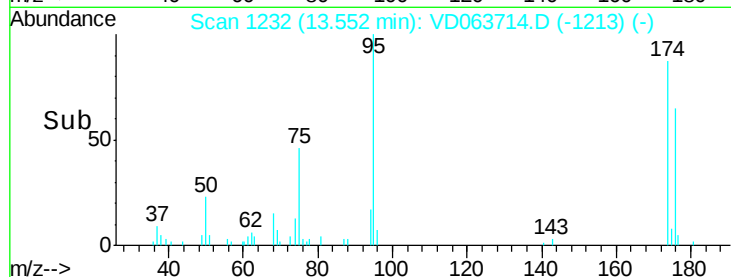
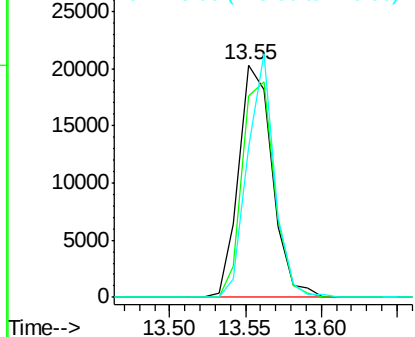
#62
4-Bromofluorobenzene
Concen: 45.368 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063714.D
Acq: 21 Aug 2019 15:47

Instrument :
MSVOA_D
ClientSampled :
T6-A1-(2)

Tot Ion: 95 Resp: 31537
Ion Ratio Lower Upper
95 100
174 86.8 0.0 155.4
176 64.5 0.0 152.4

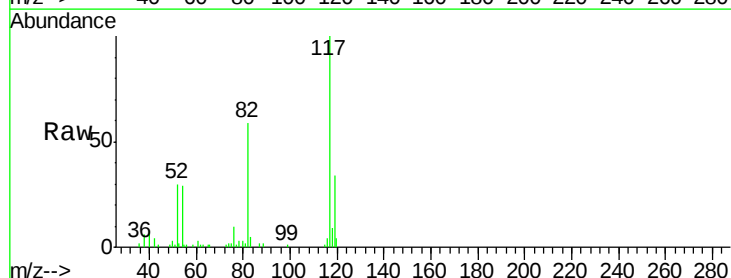


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

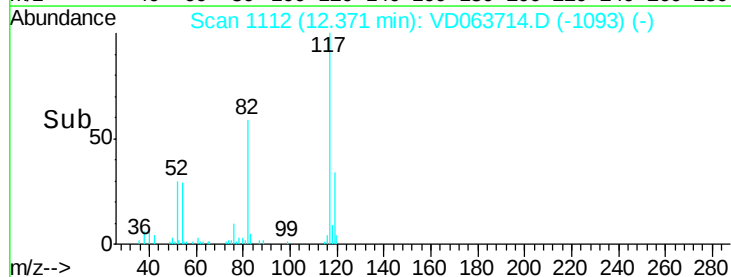
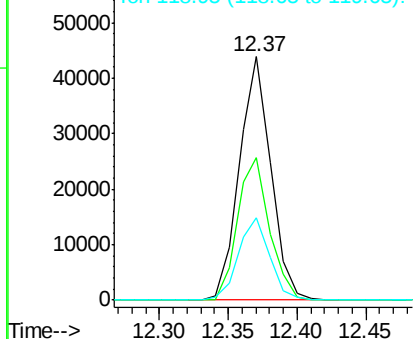


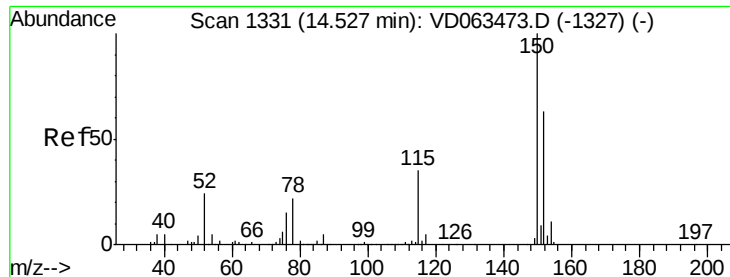
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063714.D
Acq: 21 Aug 2019 15:47

Tgt Ion: 117 Resp: 70012
Ion Ratio Lower Upper
117 100
82 58.7 42.0 63.0
119 33.7 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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

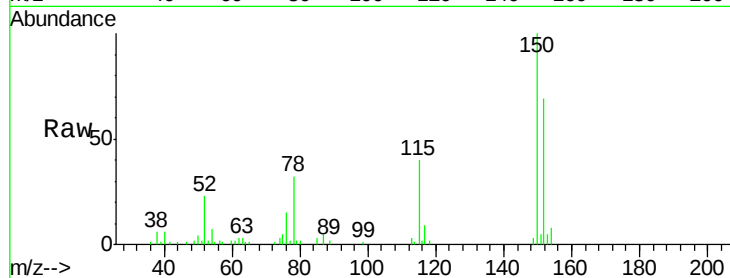
Tot Ion:152 Resp: 31295

Ion Ratio Lower Upper

152 100

115 58.5 30.9 92.7

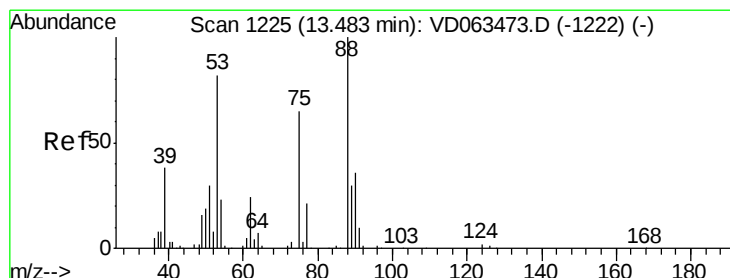
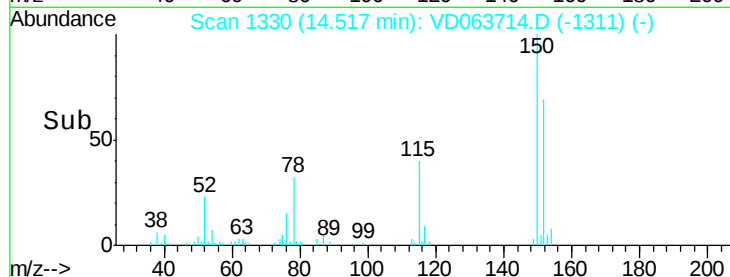
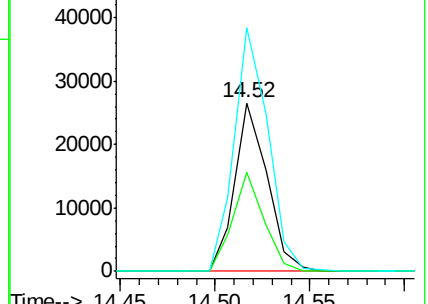
150 144.8 0.0 318.6



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: 131.933 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

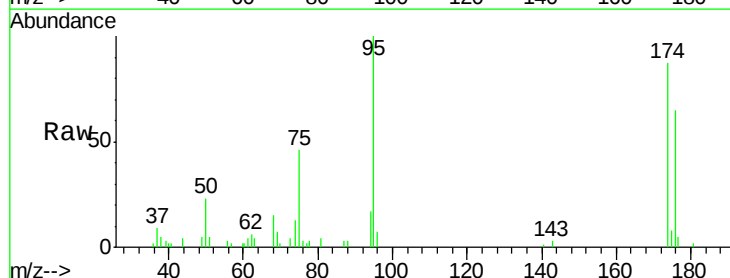
Tgt Ion: 75 Resp: 12736

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

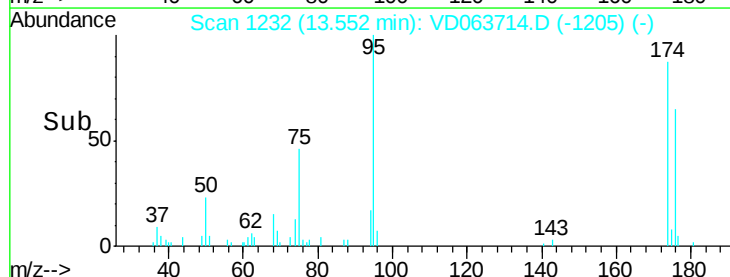
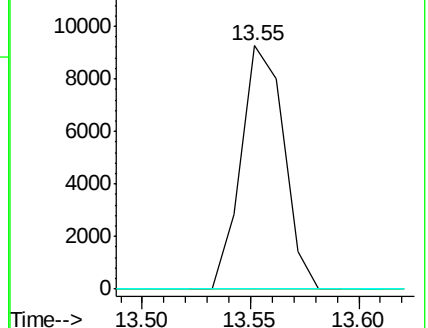
89 0.0 37.0 55.6#

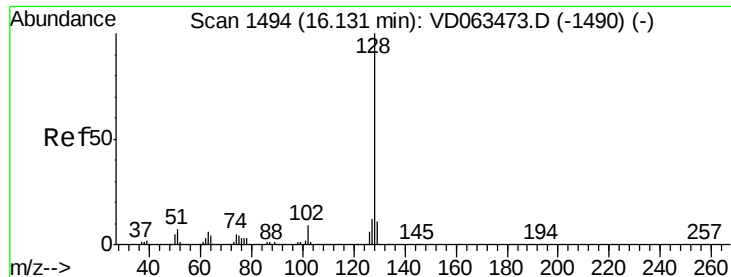


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.448 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063714.D

Acq: 21 Aug 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

T6-A1-(2)

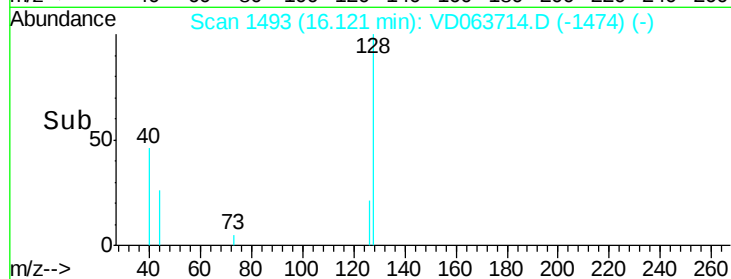
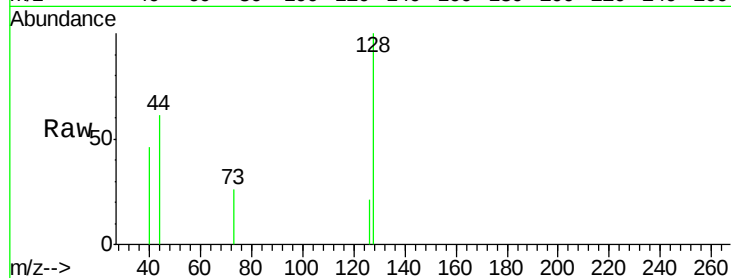
Tot Ion:128 Resp: 1348

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.0#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

