

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063560.D
 Acq On : 14 Aug 2019 8:00
 Operator : JC/SY
 Sample : K4229-15RE
 Misc : 5.62g/5ml/MSVOA D/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 10:14:32 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	950845	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1408107	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1175297	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	488741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	487867	48.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	96.00%	
35) Dibromofluoromethane	6.93	113	566045	47.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.46%	
50) Toluene-d8	10.42	98	1125624	43.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.34%	
62) 4-Bromofluorobenzene	13.56	95	456348	38.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.24%	

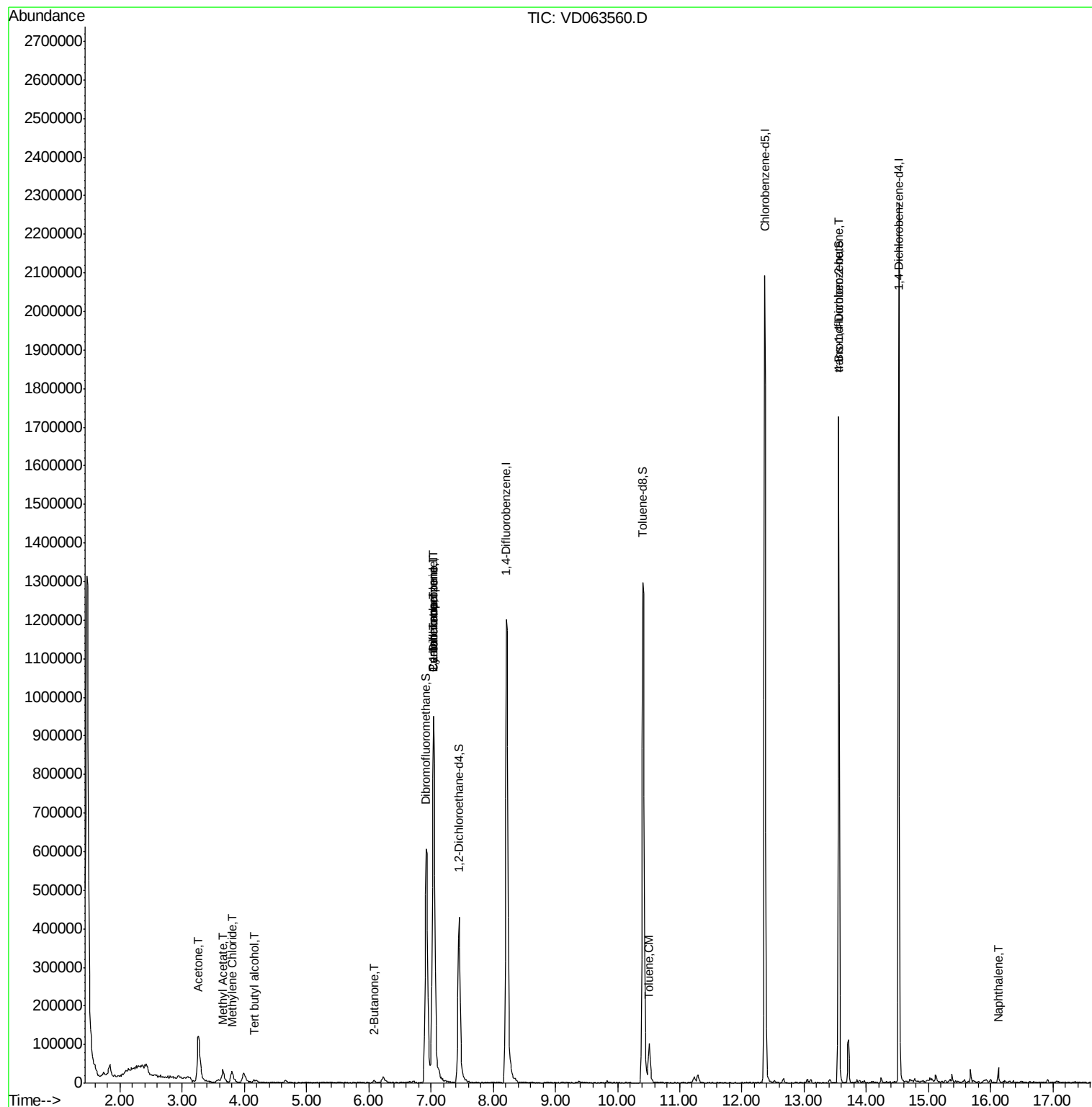
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.16	59	8176	18.479	ug/l #	75
16) Acetone	3.26	43	273468	132.359	ug/l #	91
18) Methyl Acetate	3.65	43	52330	13.372	ug/l #	90
20) Methylene Chloride	3.80	84	13942	1.561	ug/l #	71
25) 2-Butanone	6.09	43	11651	5.710	ug/l #	87
31) Cyclohexane	7.04	56	19309	2.104	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	71707	5.761	ug/l #	49
38) Carbon Tetrachloride	7.04	117	93456	4.982	ug/l #	16
52) Toluene	10.52	92	47893	2.714	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.56	75	209691	139.091	ug/l #	1
95) Naphthalene	16.13	128	21844	1.502	ug/l #	94

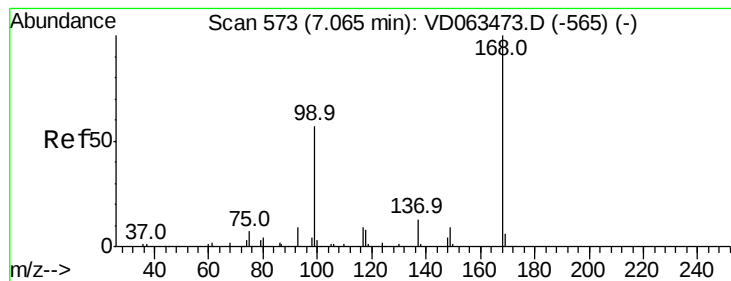
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Quant Time: Aug 14 10:14:32 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# 570

Delta R.T. -0.02 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

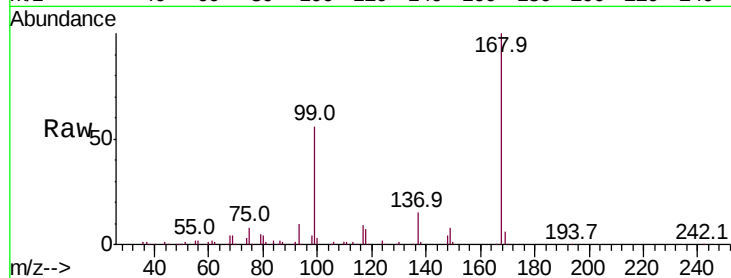
ClientSampleId :

Tot Ion:168 Resp: 950845

Ion Ratio Lower Upper

168 100

99 55.8 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

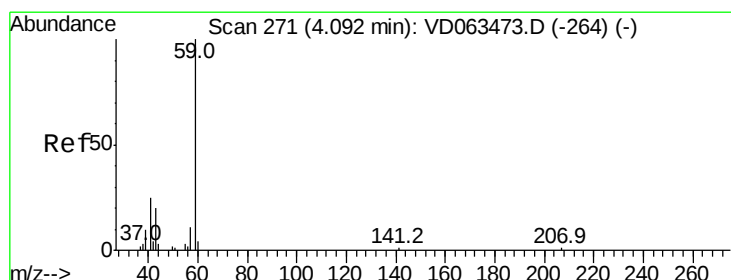
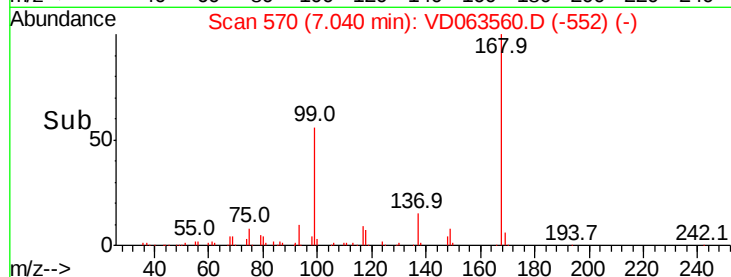
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.479 ug/l

RT: 4.16 min Scan# 277

Delta R.T. 0.06 min

Lab File: VD063560.D

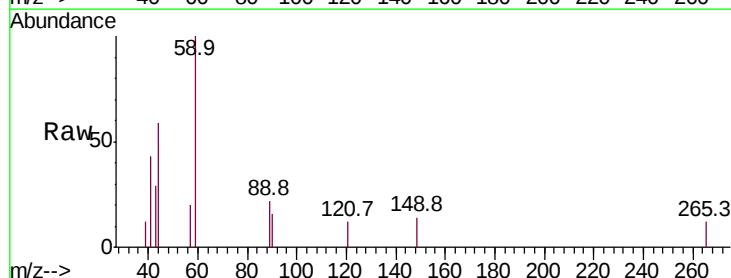
Acq: 14 Aug 2019 8:00

Tgt Ion: 59 Resp: 8176

Ion Ratio Lower Upper

59 100

57 20.4 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.16

3000

2500

2000

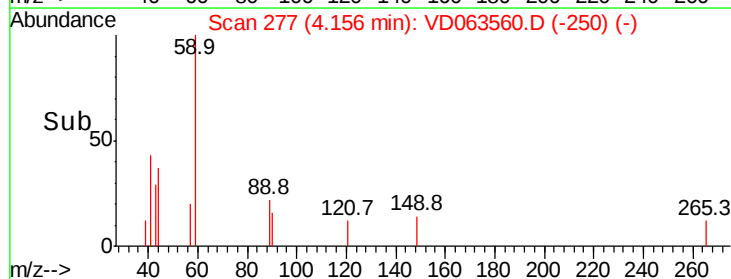
1500

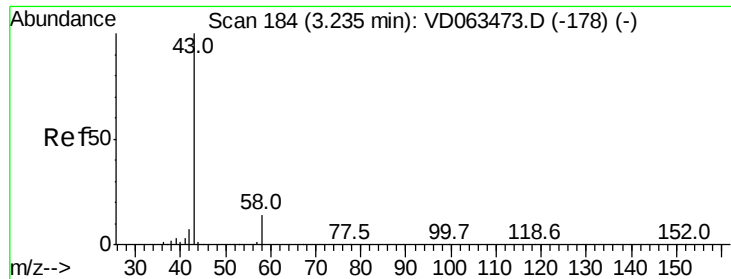
1000

500

0

Time-->





#16

Acetone

Concen: 132.359 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.02 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

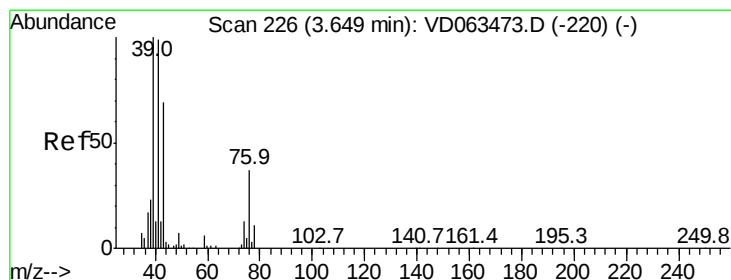
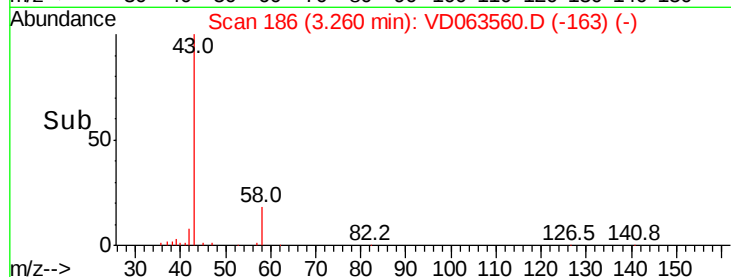
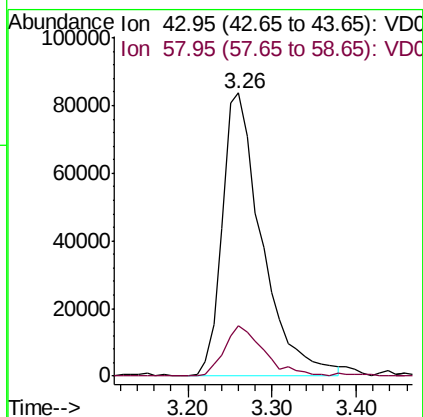
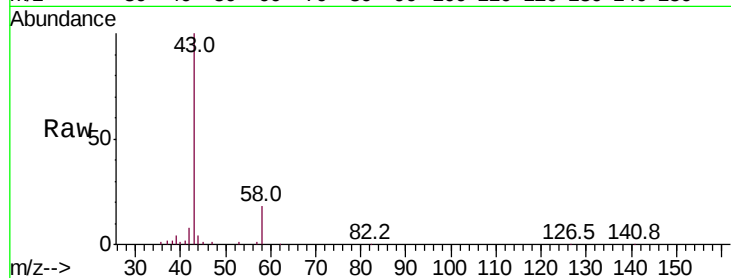
ClientSampleId :

Tot Ion: 43 Resp: 273468

Ion Ratio Lower Upper

43 100

58 17.8 11.4 17.2#



#18

Methyl Acetate

Concen: 13.372 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD063560.D

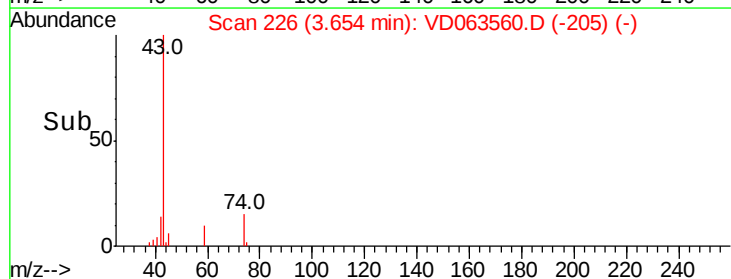
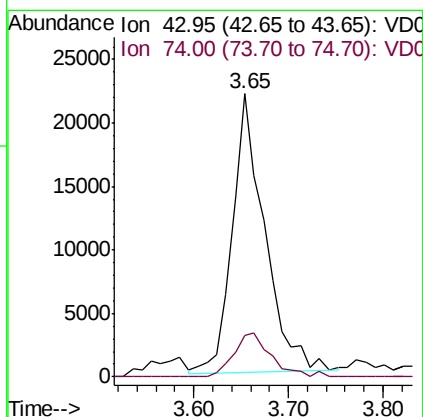
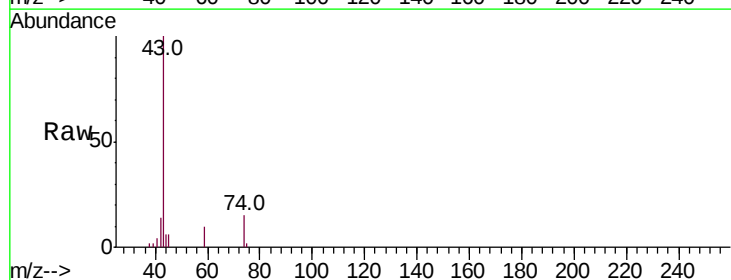
Acq: 14 Aug 2019 8:00

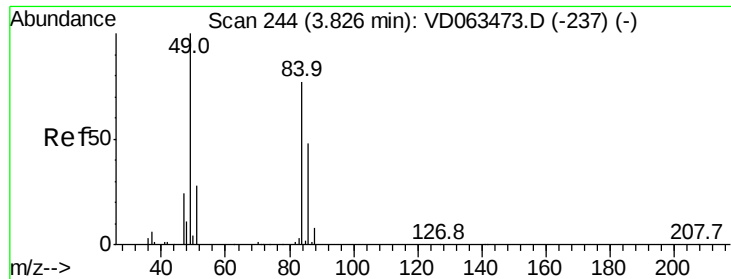
Tgt Ion: 43 Resp: 52330

Ion Ratio Lower Upper

43 100

74 14.6 15.4 23.2#

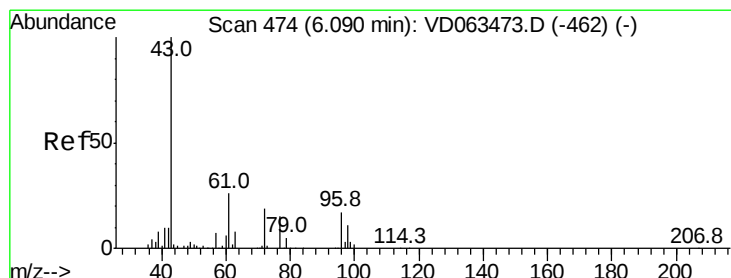
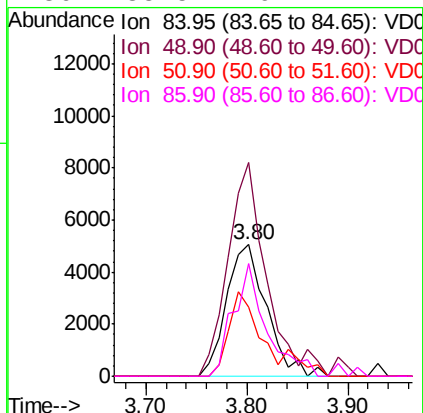
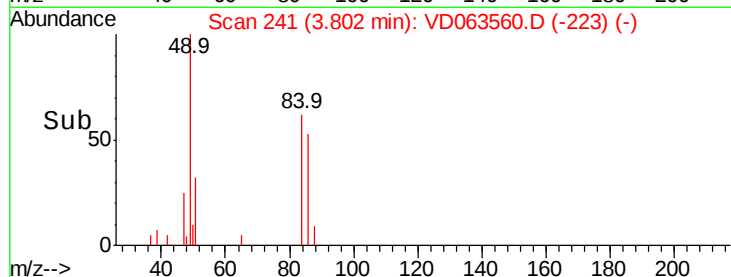
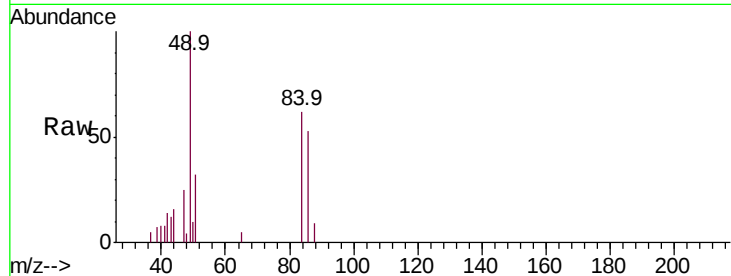




#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

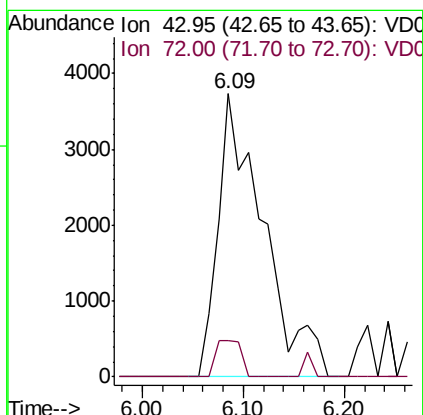
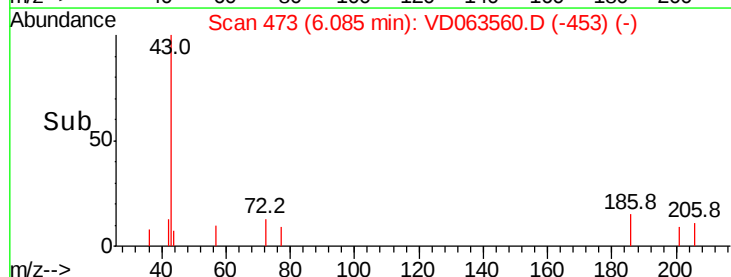
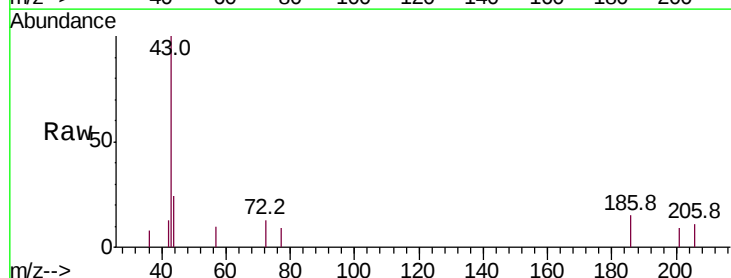
Instrument :
MSVOA_D
ClientSampleId :

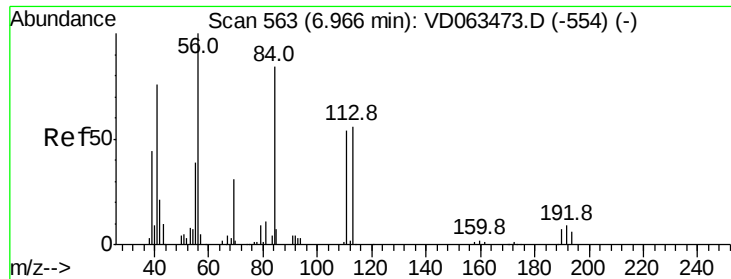
Tot Ion: 84 Resp: 13942
Ion Ratio Lower Upper
84 100
49 162.4 103.4 155.2#
51 52.4 28.5 42.7#
86 85.5 49.4 74.2#



#25
2-Butanone
Concen: 5.710 ug/l
RT: 6.09 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

Tgt Ion: 43 Resp: 11651
Ion Ratio Lower Upper
43 100
72 13.0 15.1 22.7#

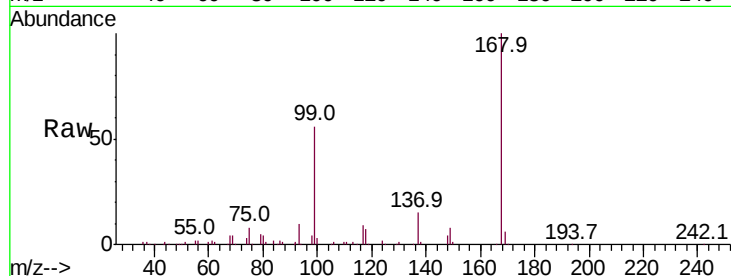




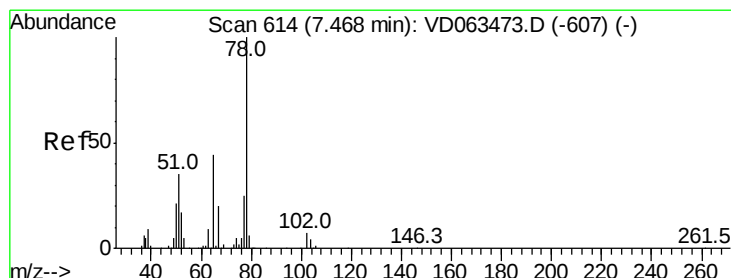
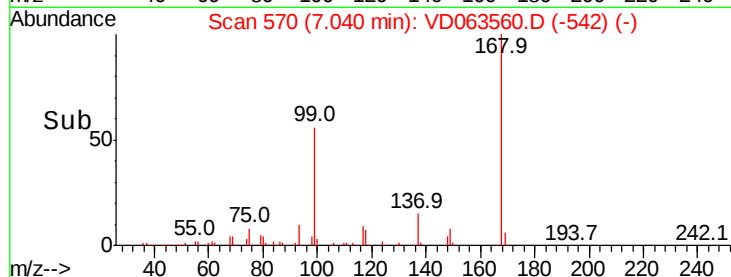
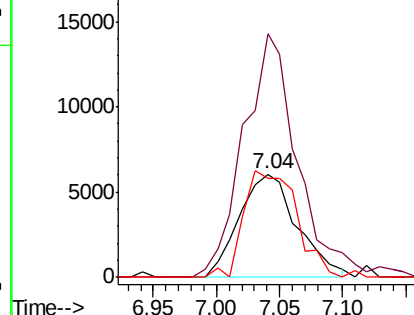
#31
Cyclohexane
Concen: 2.104 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 19309
Ion Ratio Lower Upper
56 100
69 235.6 25.0 37.6#
84 96.2 69.7 104.5

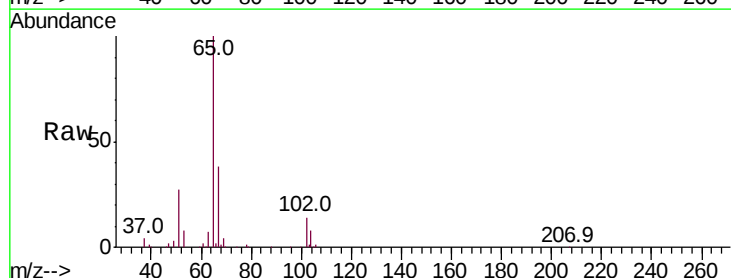


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

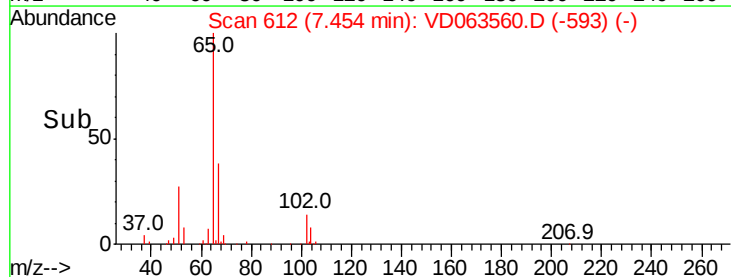
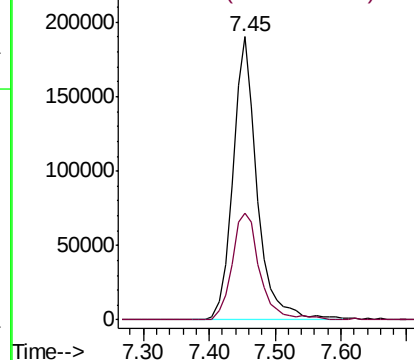


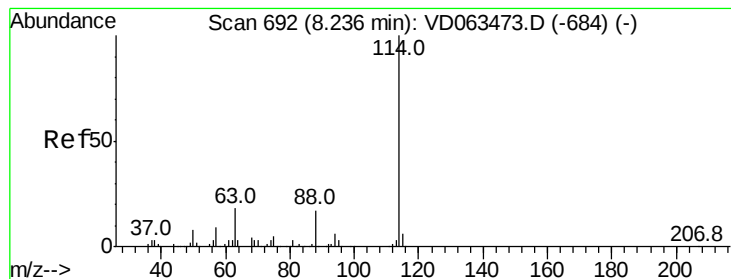
#33
1,2-Dichloroethane-d4
Concen: 48.000 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

Tgt Ion: 65 Resp: 487867
Ion Ratio Lower Upper
65 100
67 37.9 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. -0.01 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

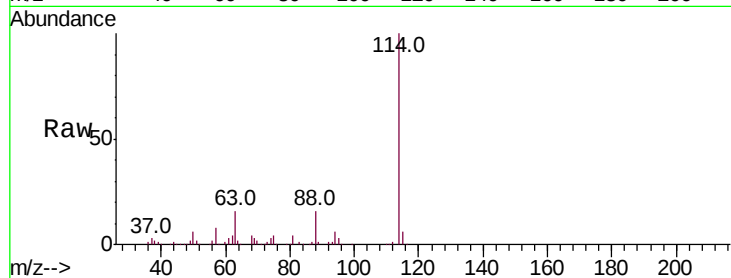
Tot Ion:114 Resp: 1408107

Ion Ratio Lower Upper

114 100

63 16.0 0.0 36.2

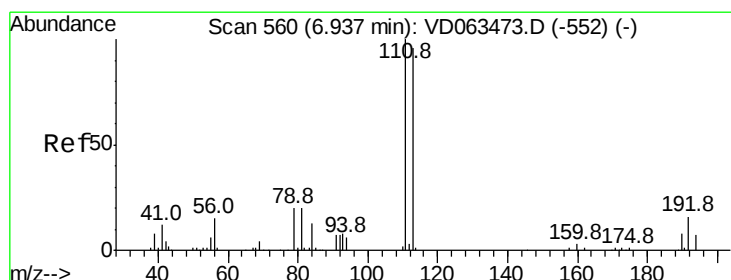
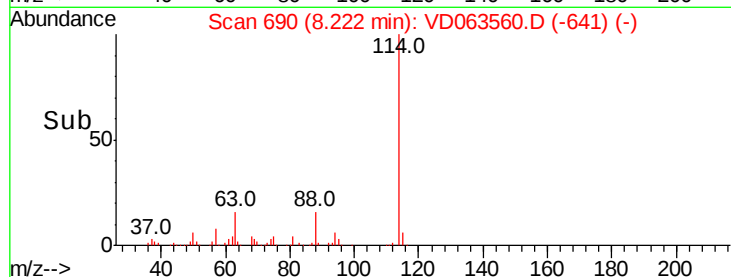
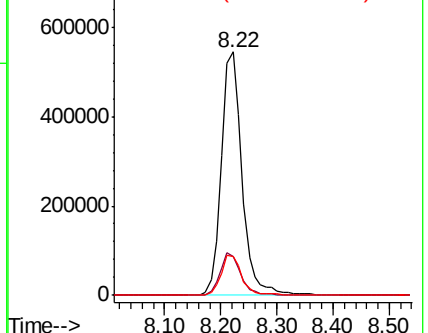
88 16.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 47.731 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

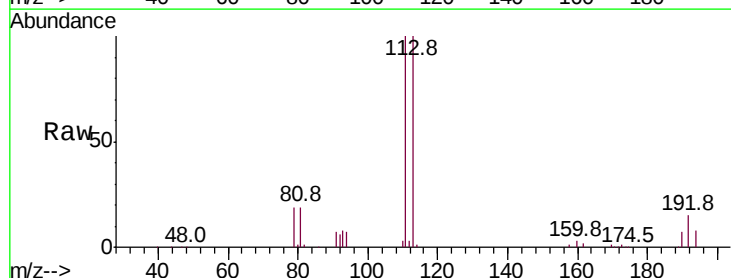
Tgt Ion:113 Resp: 566045

Ion Ratio Lower Upper

113 100

111 100.3 83.1 124.7

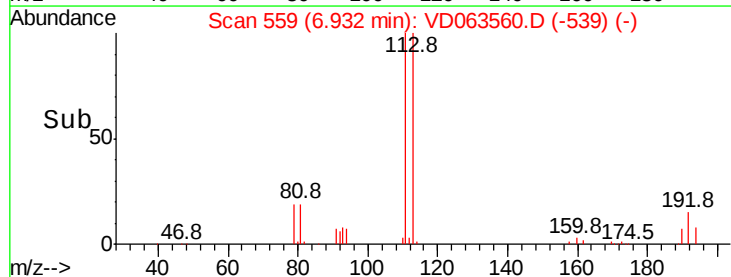
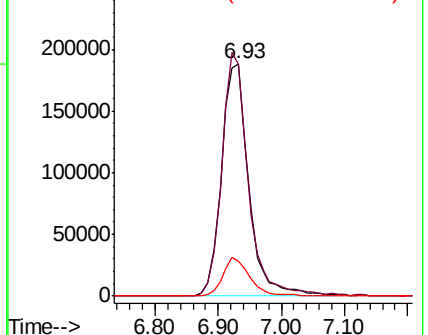
192 15.2 13.1 19.7

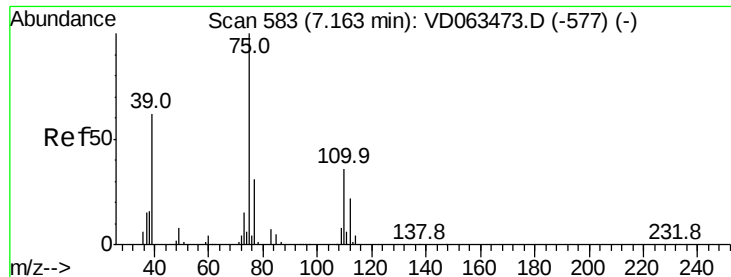


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.761 ug/l

RT: 7.04 min Scan# 570

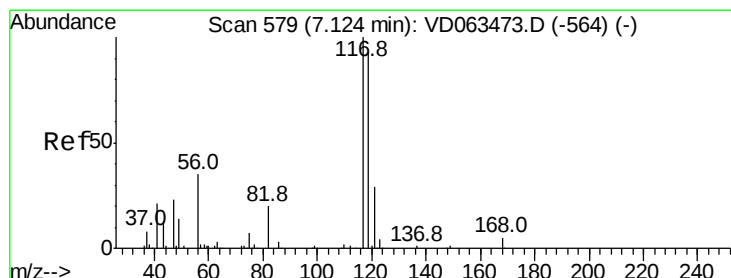
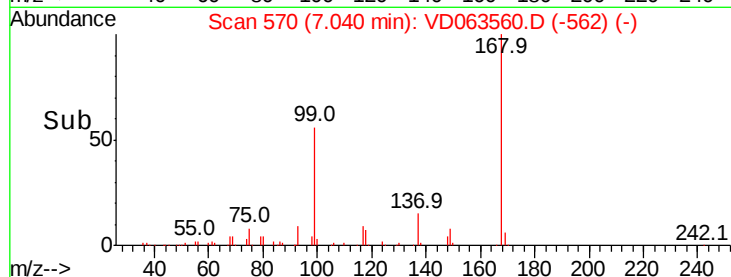
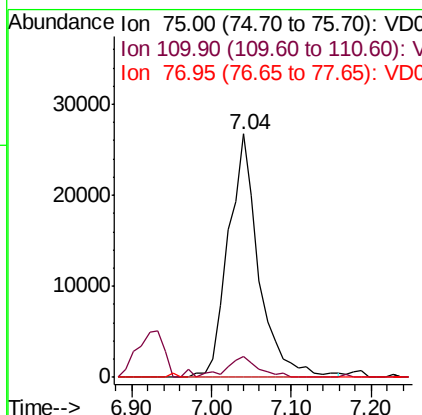
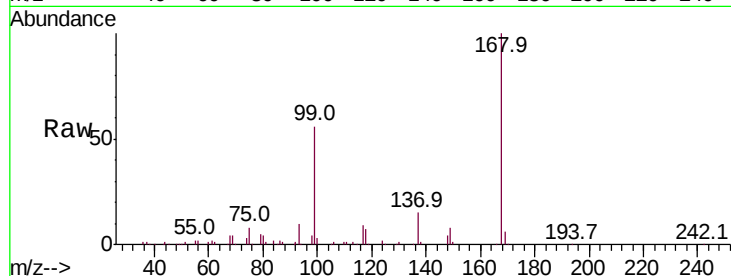
Delta R.T. -0.12 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

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MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	71707
Ion Ratio	Lower	Upper	
75	100		
110	8.5	17.6	52.8#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 4.982 ug/l

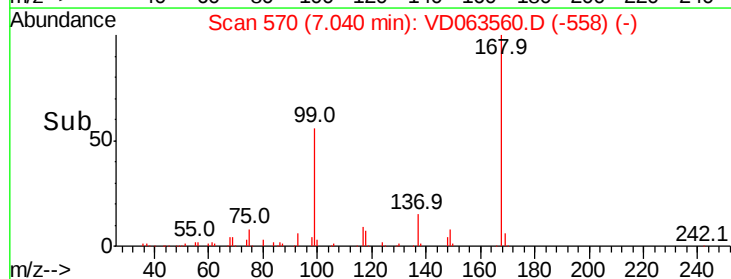
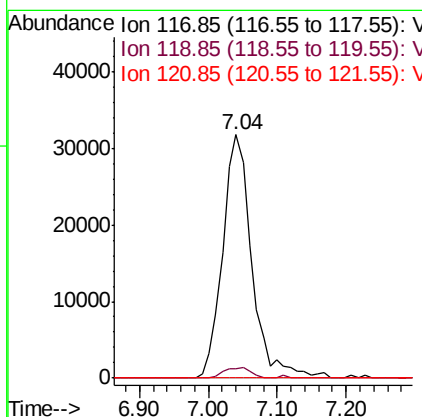
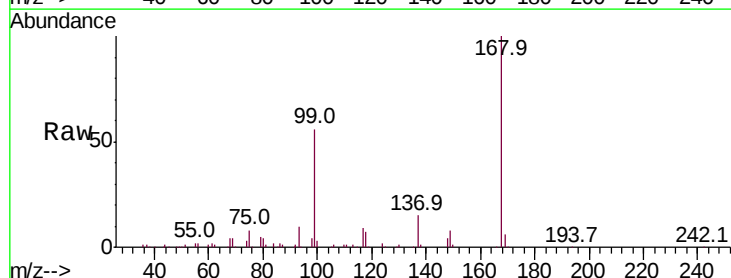
RT: 7.04 min Scan# 570

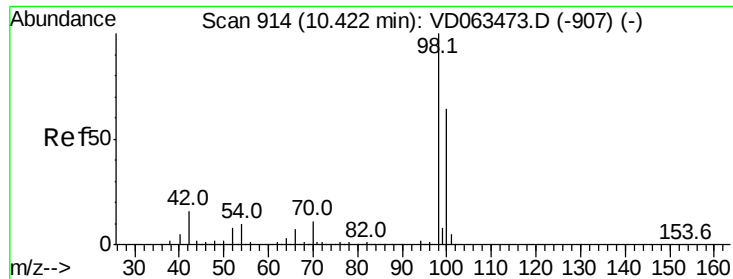
Delta R.T. -0.08 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Tgt Ion:	117	Resp:	93456
Ion Ratio	Lower	Upper	
117	100		
119	3.8	74.2	111.2#
121	0.0	23.1	34.7#

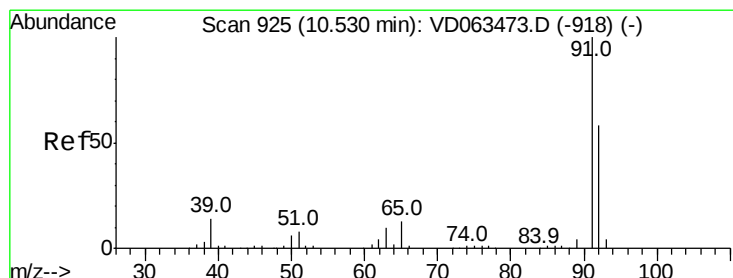
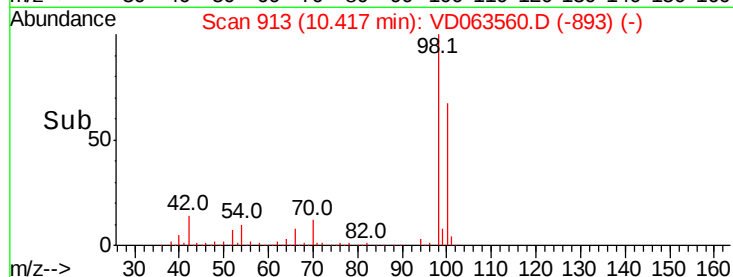
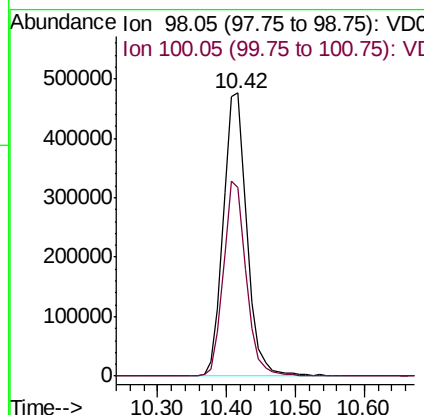
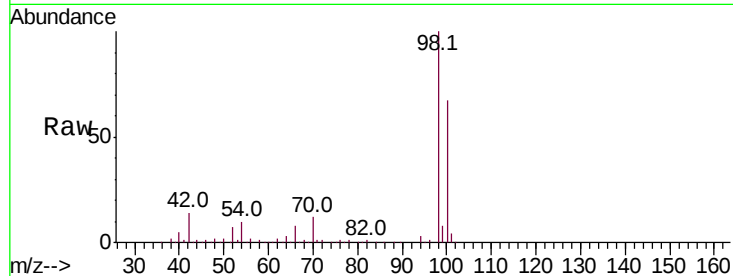




#50
Toluene-d8
Concen: 43.172 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

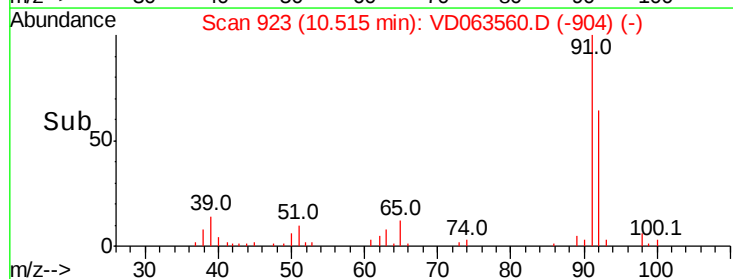
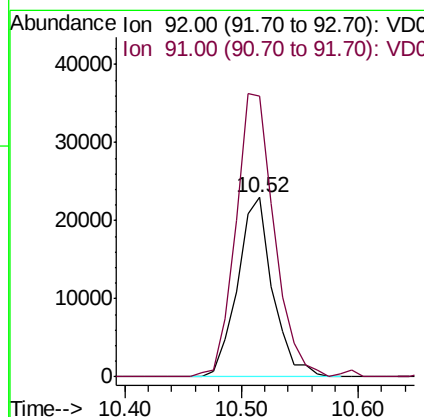
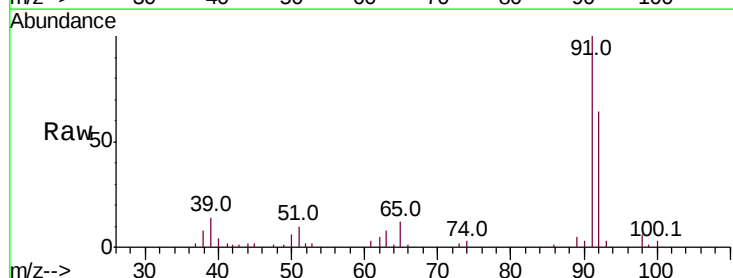
Instrument :
MSVOA_D
ClientSampleId :

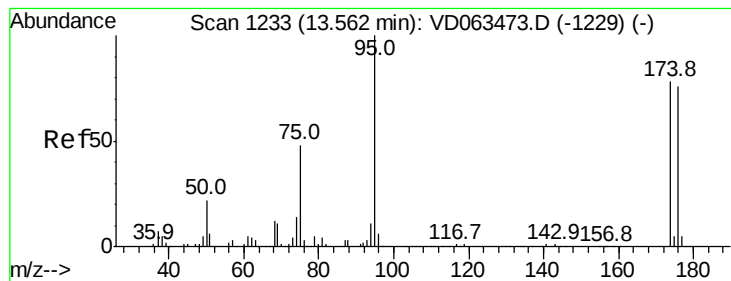
Tot Ion: 98 Resp: 1125624
Ion Ratio Lower Upper
98 100
100 66.8 51.7 77.5



#52
Toluene
Concen: 2.714 ug/l
RT: 10.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: VD063560.D
Acq: 14 Aug 2019 8:00

Tgt Ion: 92 Resp: 47893
Ion Ratio Lower Upper
92 100
91 156.5 137.9 206.9





#62

4-Bromofluorobenzene

Concen: 38.617 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

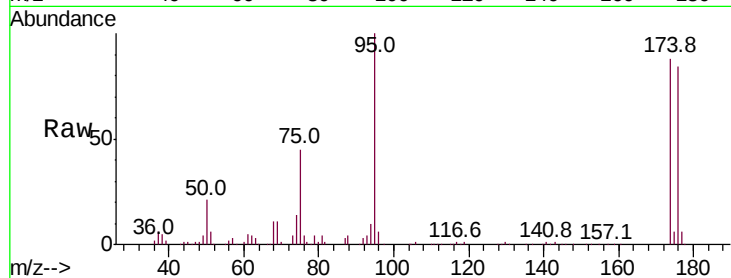
Tot Ion: 95 Resp: 456348

Ion Ratio Lower Upper

95 100

174 87.7 0.0 155.4

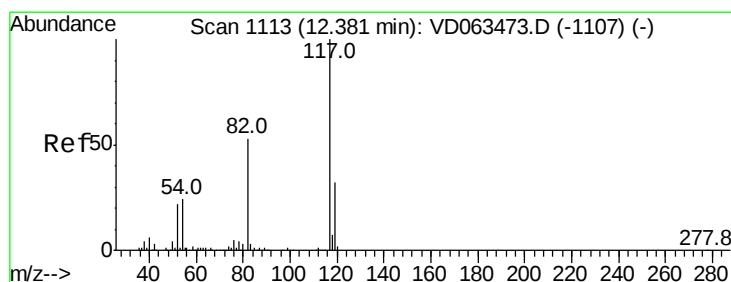
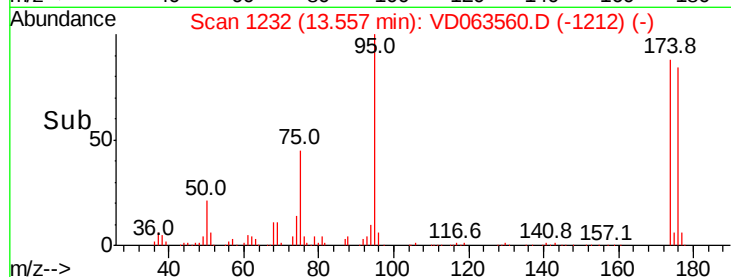
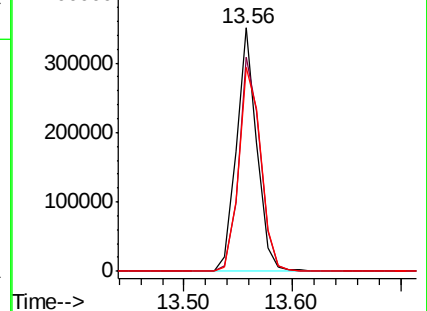
176 83.5 0.0 152.4



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# 1111

Delta R.T. -0.01 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

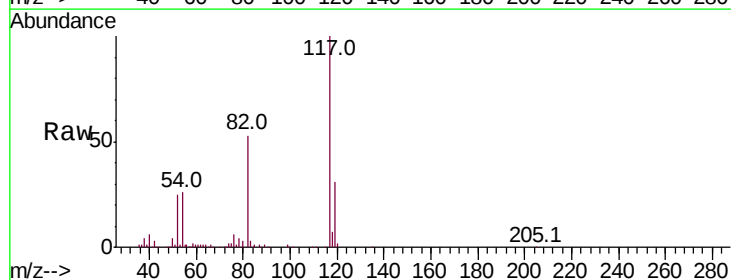
Tgt Ion: 117 Resp: 1175297

Ion Ratio Lower Upper

117 100

82 52.7 42.0 63.0

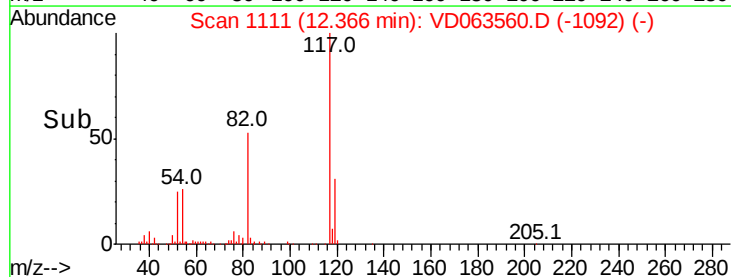
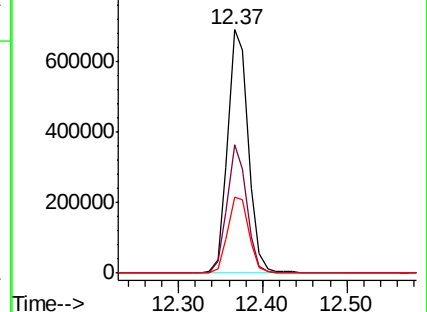
119 31.4 25.4 38.0

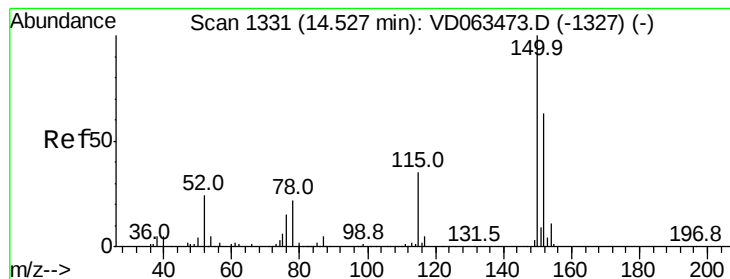


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

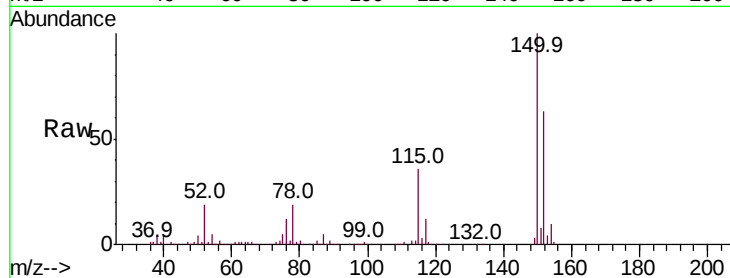
Tot Ion:152 Resp: 488741

Ion Ratio Lower Upper

152 100

115 56.9 30.9 92.7

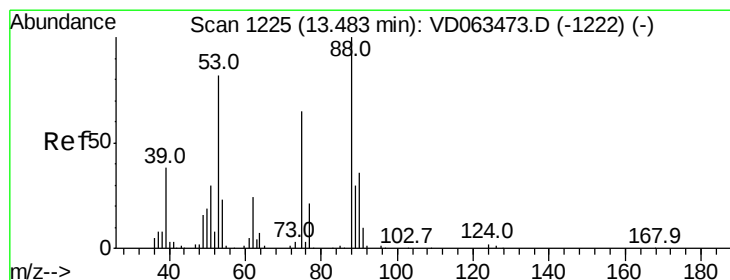
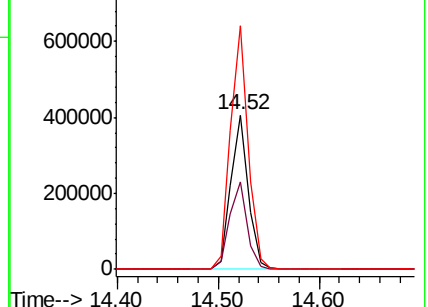
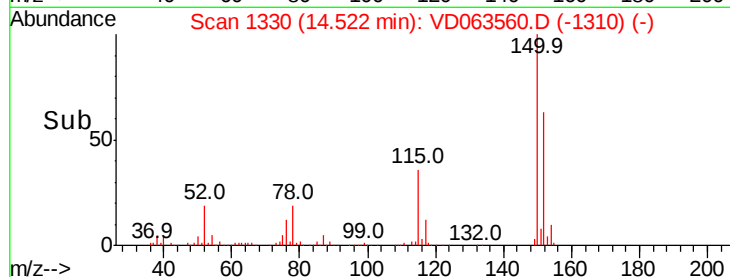
150 157.8 0.0 318.6



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: 139.091 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

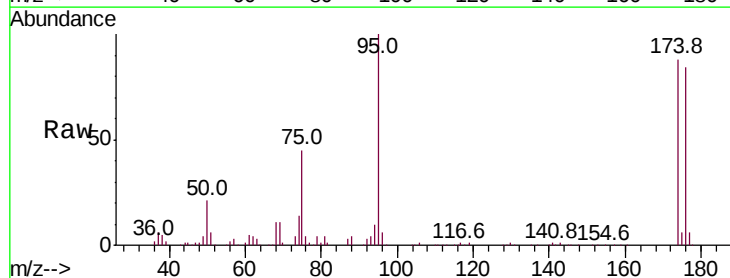
Tgt Ion: 75 Resp: 209691

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

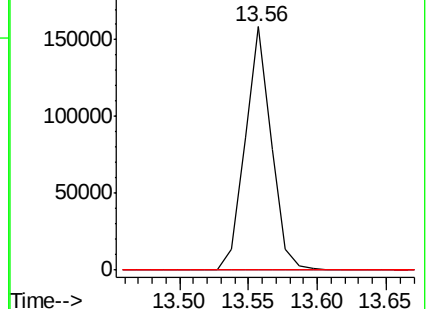
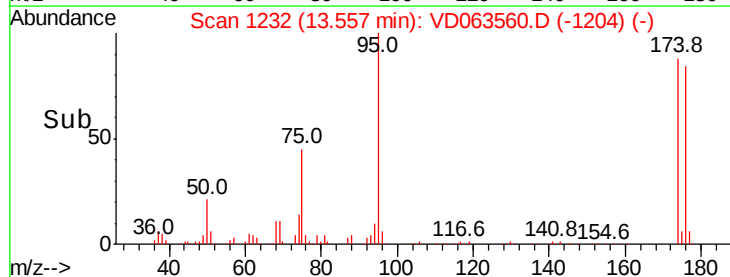
89 0.0 37.0 55.6#

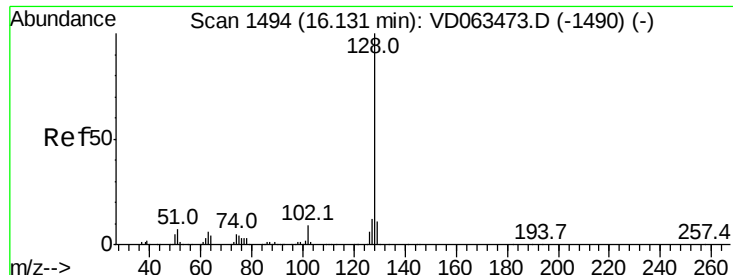


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.502 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063560.D

Acq: 14 Aug 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 21844

Ion Ratio Lower Upper

128 100

127 7.6 9.4 14.0#

129 10.0 8.5 12.7

