

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063912.D
 Acq On : 10 Oct 2019 16:09
 Operator : VA/SY
 Sample : K5145-01
 Misc : 9.04G/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:39:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	157448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	263586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	86195	56.23	ug/l	0.00
Spiked Amount						
			Recovery	=	112.46%	
35) Dibromofluoromethane	7.92	113	86601	52.47	ug/l	0.00
Spiked Amount						
			Recovery	=	104.94%	
50) Toluene-d8	10.34	98	350574	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	110556	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	

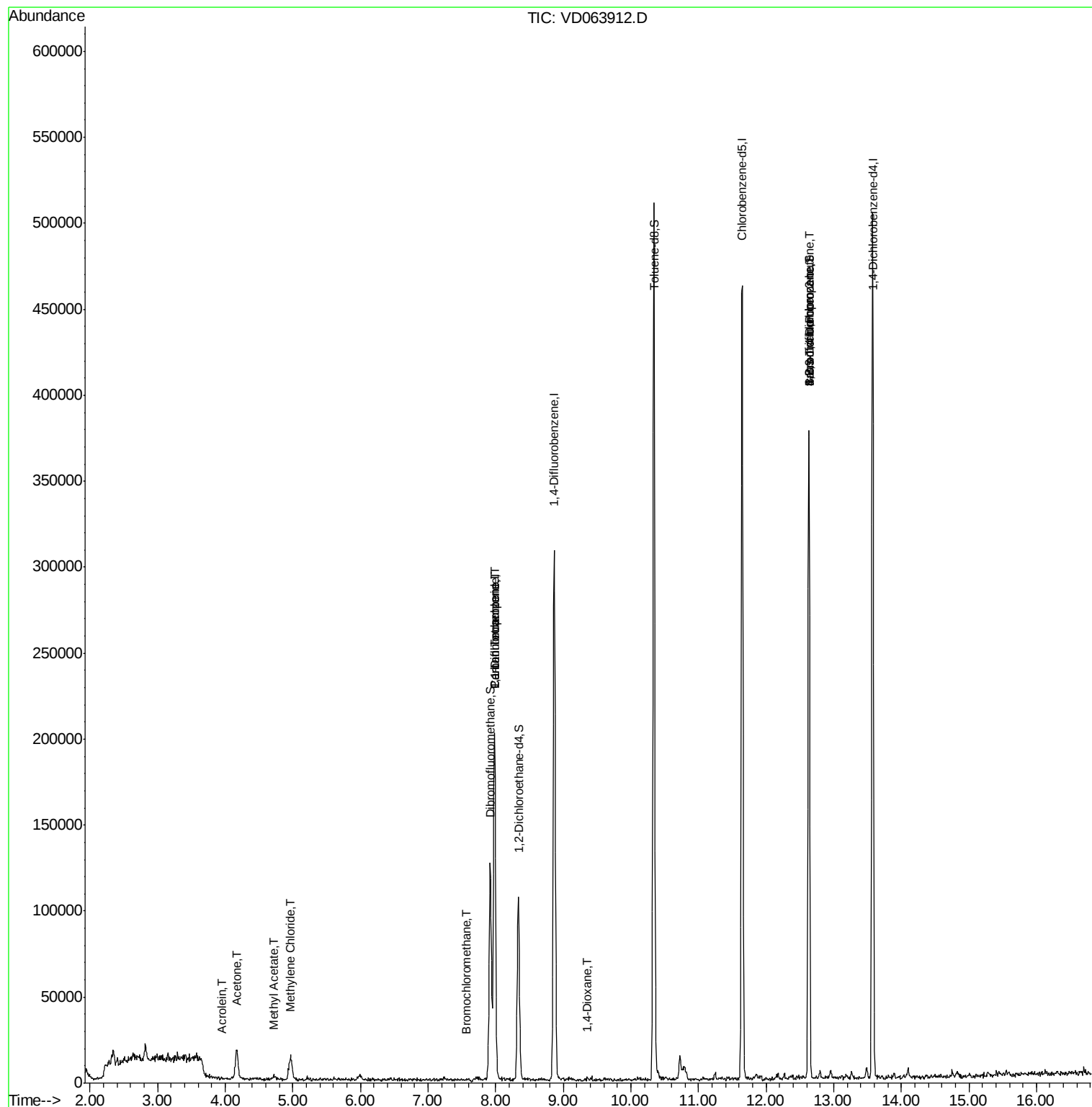
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	957	Below Cal		99
11) Tert butyl alcohol	5.29	59	80	Below Cal	#	71
13) Acrolein	3.96	56	216	1.578	ug/l #	17
16) Acetone	4.17	43	30880	77.376	ug/l #	79
18) Methyl Acetate	4.72	43	2778	3.559	ug/l	95
20) Methylene Chloride	4.96	84	10738	3.250	ug/l	91
28) Bromochloromethane	7.57	49	72	1.930	ug/l #	10
31) Cyclohexane	7.97	56	3986	Below Cal	#	45
36) 1,1-Dichloropropene	7.98	75	11574	4.687	ug/l #	51
37) Ethyl Acetate	7.27	43	59	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	15102	6.052	ug/l #	24
49) 1,4-Dioxane	9.35	88	86	6.387	ug/l #	78
71) Bromoform	12.63	173	1866	1.783	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	58352	67.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58352	120.198	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.41	75	57	Below Cal	#	1

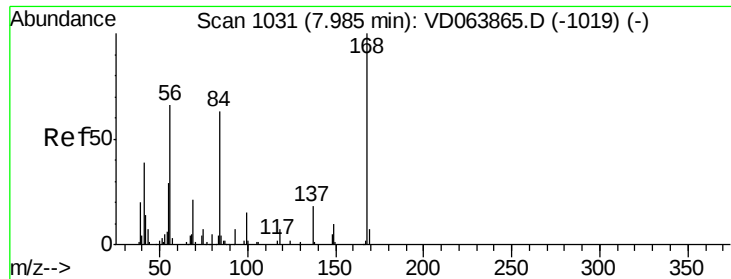
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101019\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

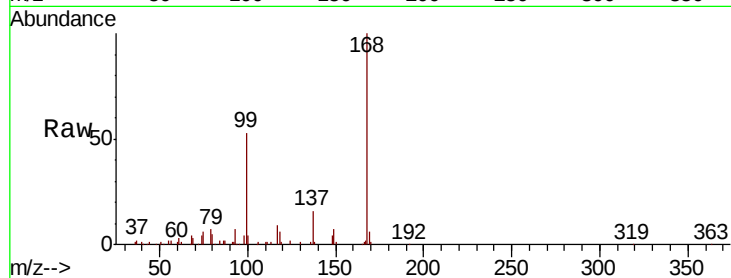
ClientSampleId :

Tot Ion:168 Resp: 157448

Ion Ratio Lower Upper

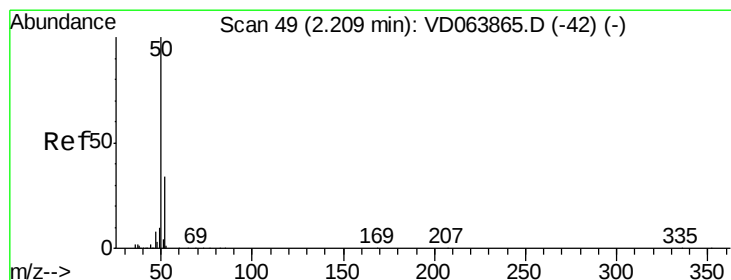
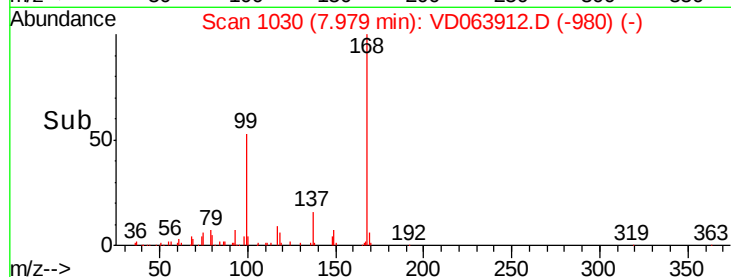
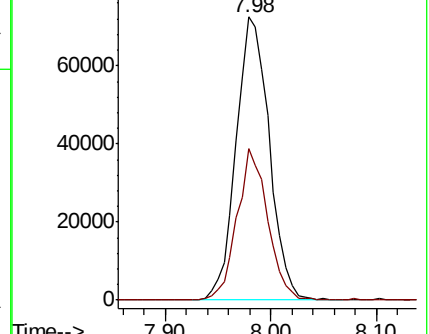
168 100

99 53.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063912.D

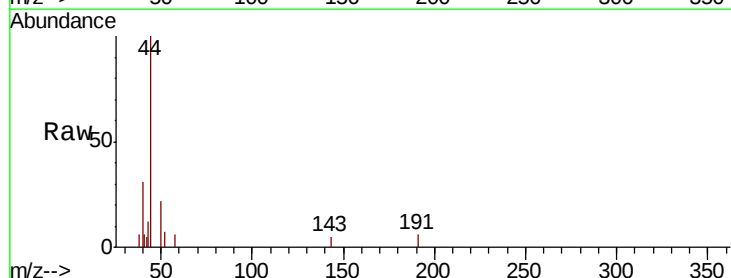
Acq: 10 Oct 2019 16:09

Tgt Ion: 50 Resp: 957

Ion Ratio Lower Upper

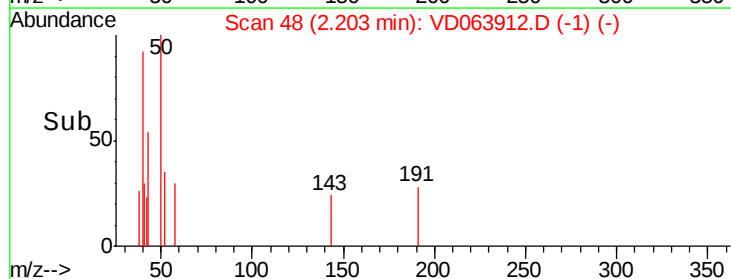
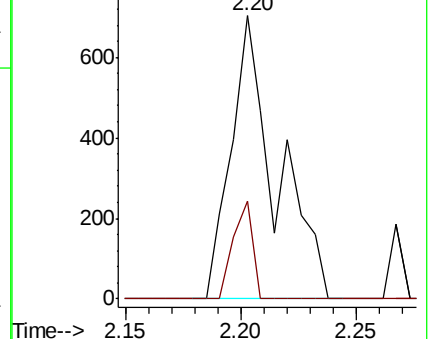
50 100

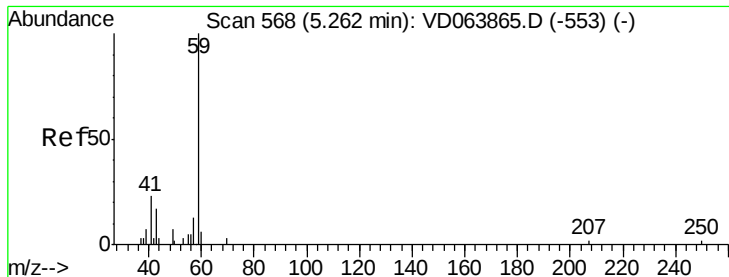
52 34.7 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



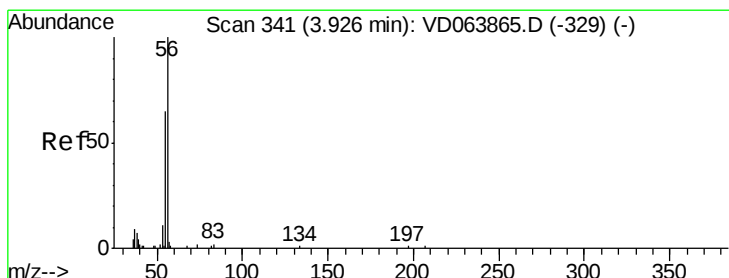
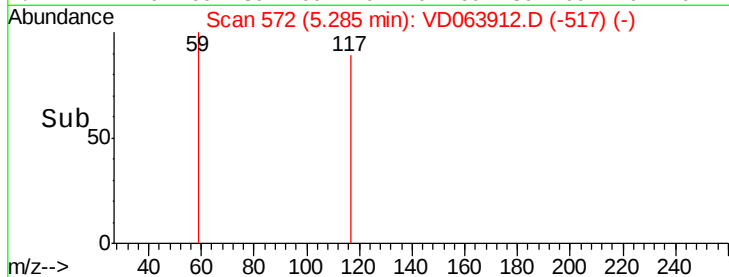
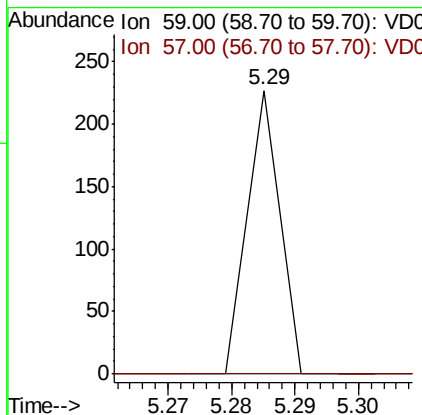
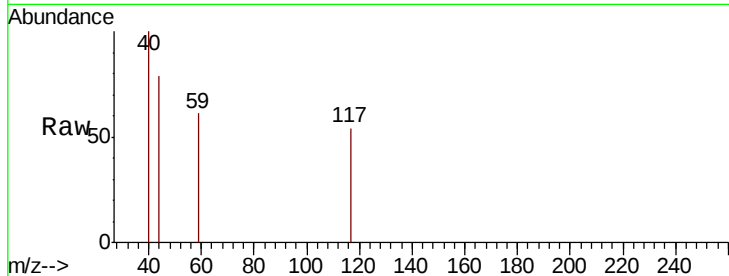


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.29 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD063912.D
 Acq: 10 Oct 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :

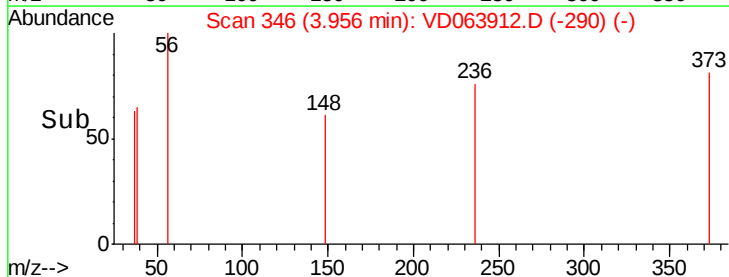
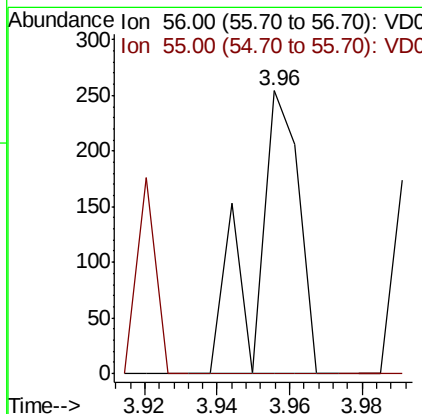
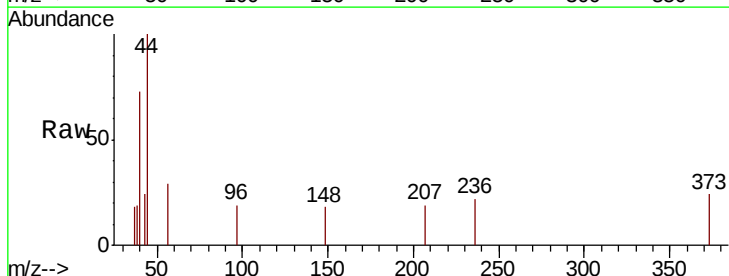
Tot Ion: 59 Resp: 80
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

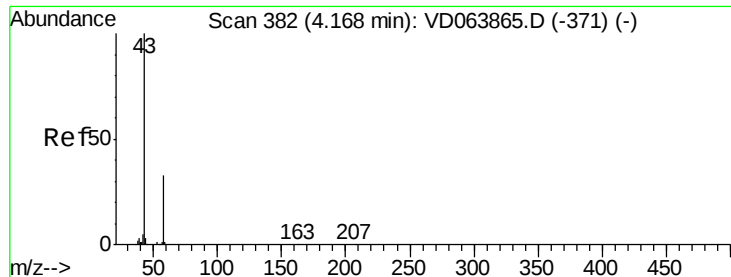


#13

Acrolein
 Concen: 1.578 ug/l
 RT: 3.96 min Scan# 346
 Delta R.T. 0.03 min
 Lab File: VD063912.D
 Acq: 10 Oct 2019 16:09

Tgt Ion: 56 Resp: 216
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#

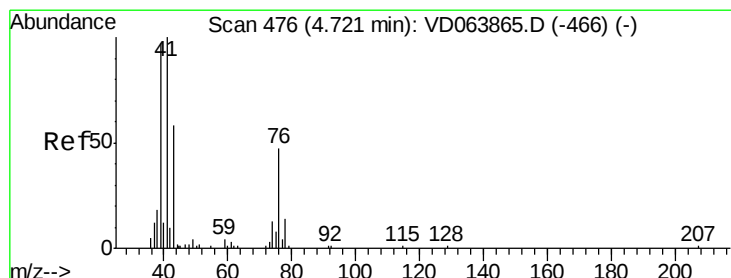
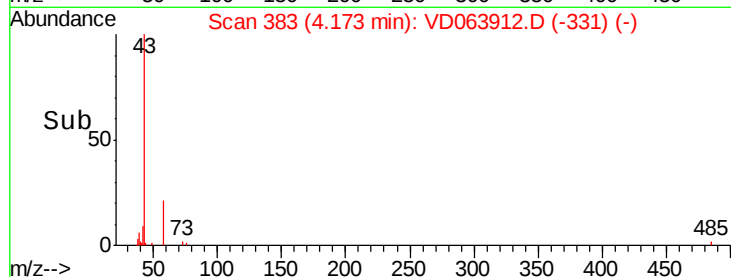
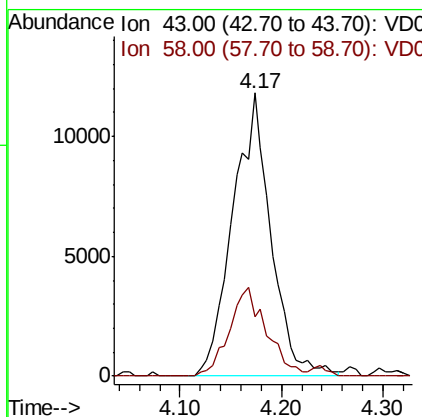
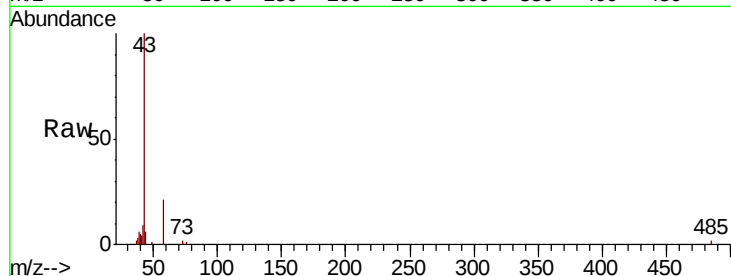




#16
Acetone
Concen: 77.376 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

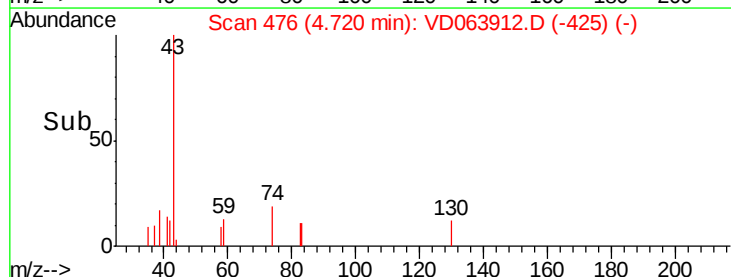
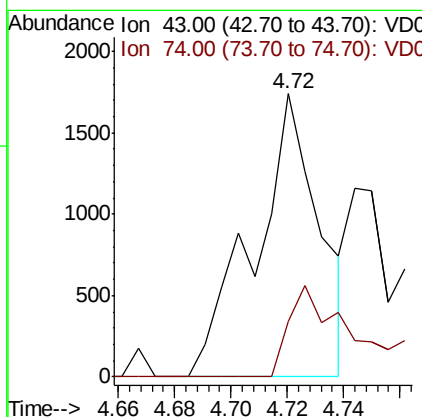
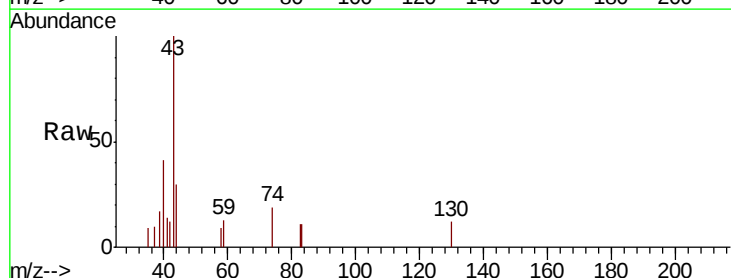
Instrument :
MSVOA_D
ClientSampled :

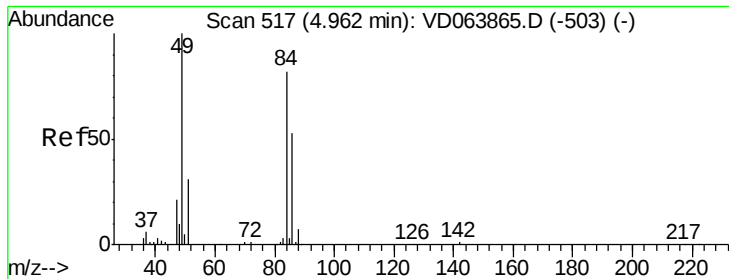
Tot Ion: 43 Resp: 30880
Ion Ratio Lower Upper
43 100
58 21.0 26.2 39.4#



#18
Methyl Acetate
Concen: 3.559 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
74 28.4 20.8 31.2

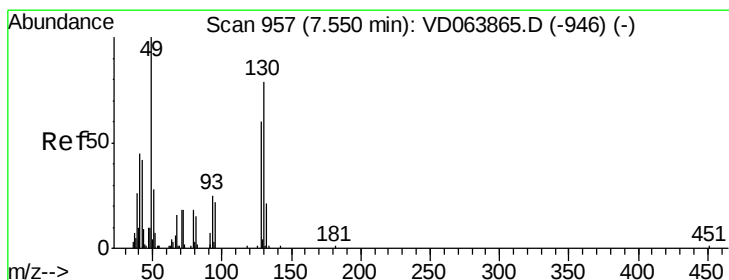
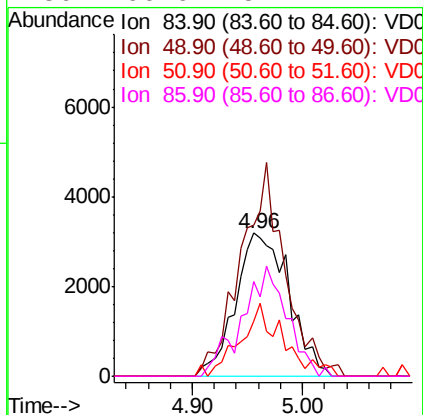
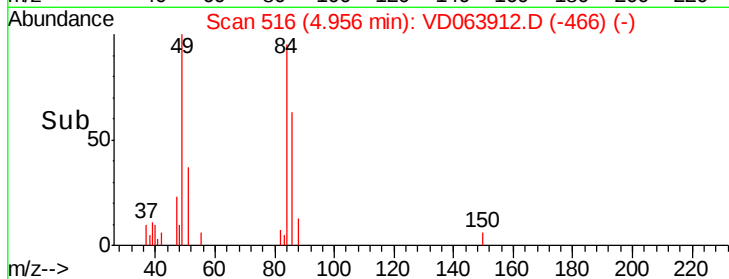
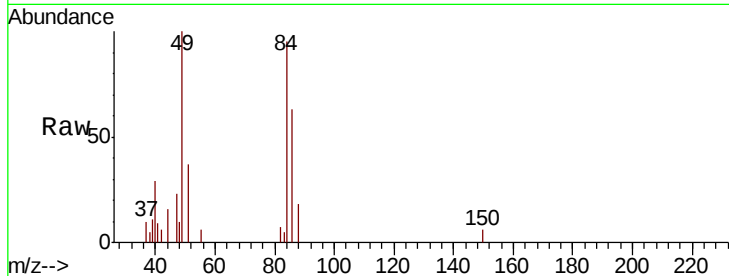




#20
Methvlene Chloride
Concen: 3.250 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

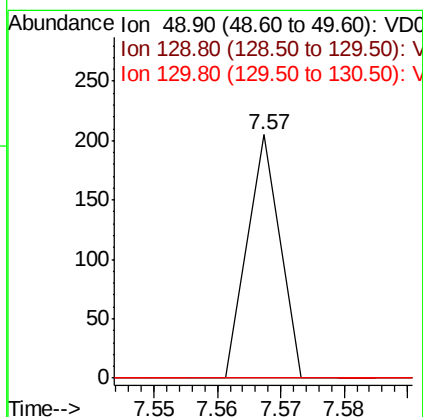
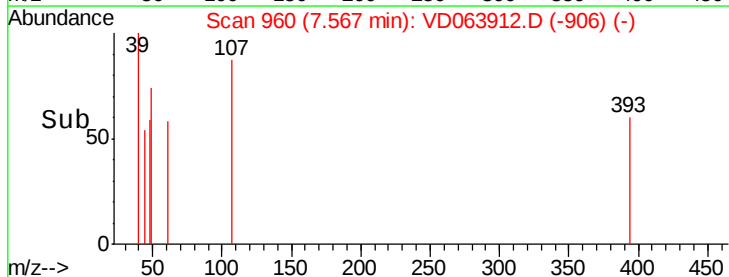
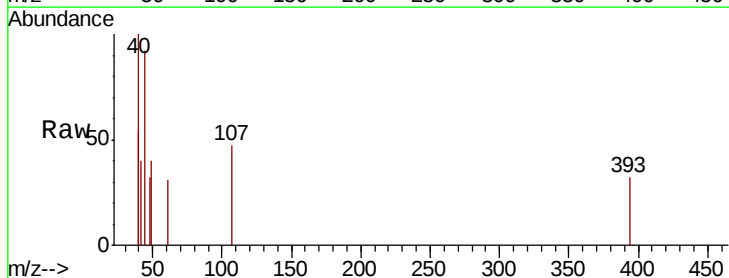
Instrument :
MSVOA_D
ClientSampleId :

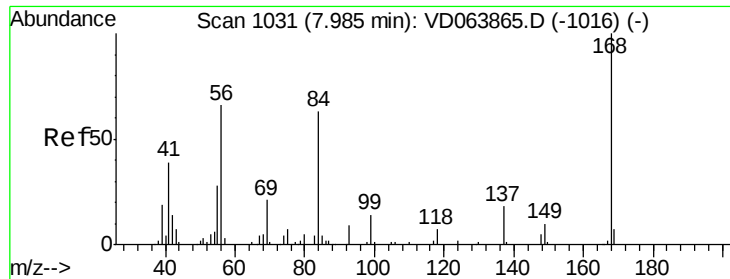
Tot Ion:	84	Resp:	10738
Ion	Ratio	Lower	Upper
84	100		
49	105.2	97.3	145.9
51	38.5	30.1	45.1
86	66.6	51.4	77.2



#28
Bromochloromethane
Concen: 1.930 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.02 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Tgt Ion:	49	Resp:	72
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#

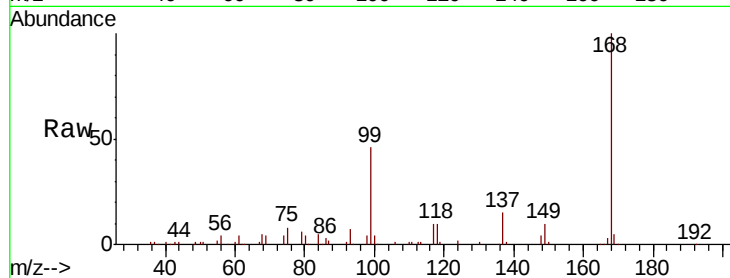




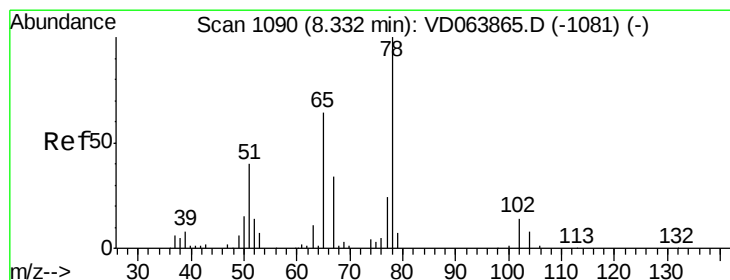
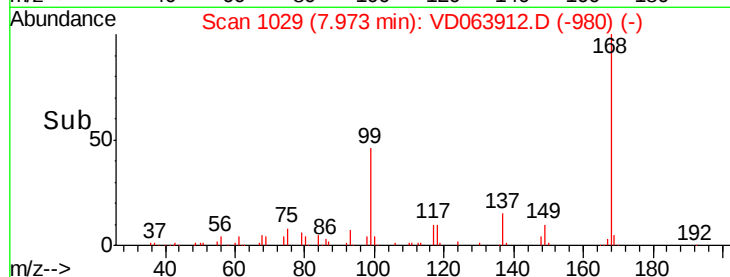
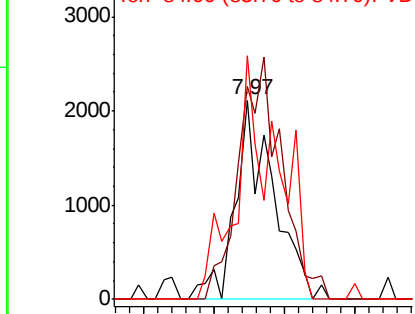
#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3986
Ion Ratio Lower Upper
56 100
69 107.0 25.0 37.4#
84 122.2 76.3 114.5#

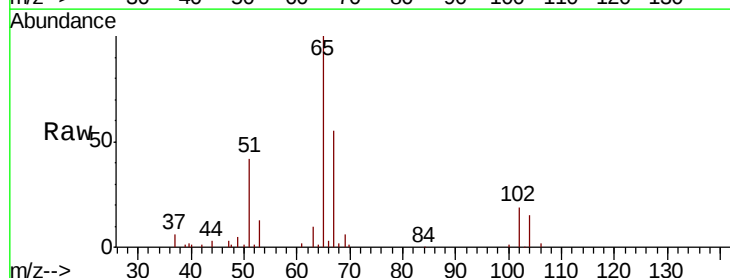


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

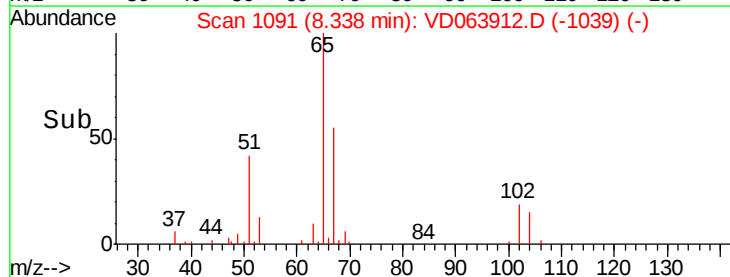
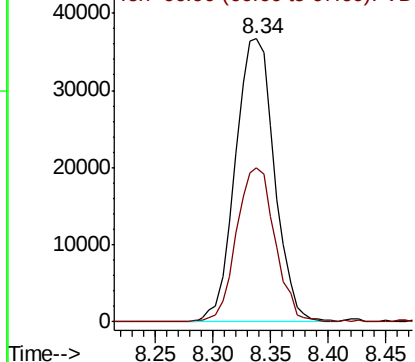


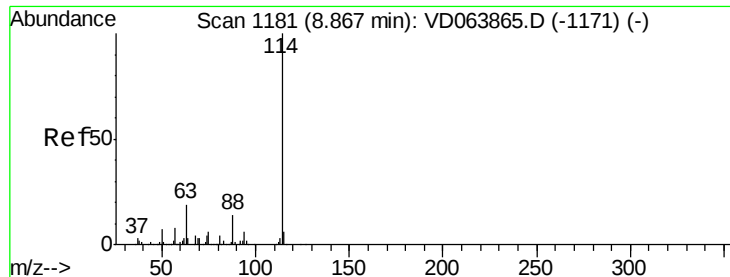
#33
1,2-Dichloroethane-d4
Concen: 56.231 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Tgt Ion: 65 Resp: 86195
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

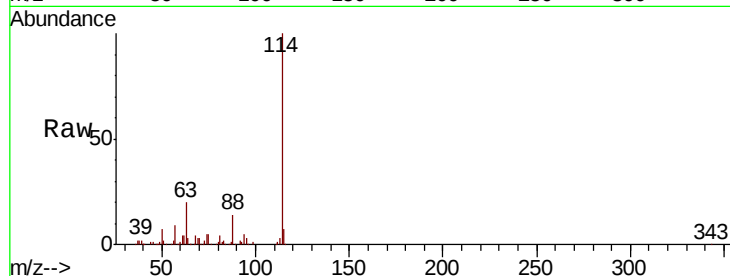




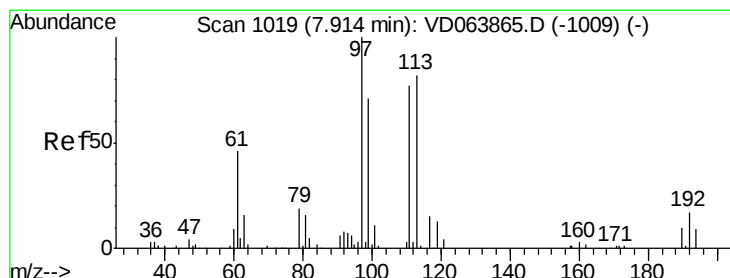
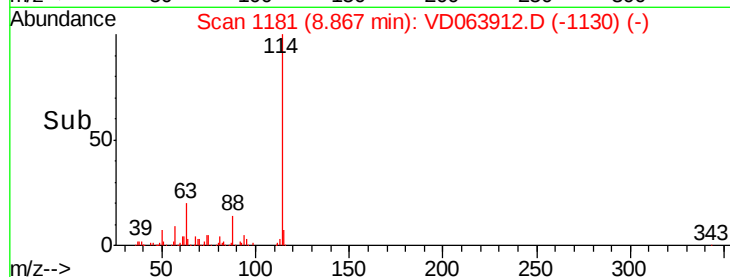
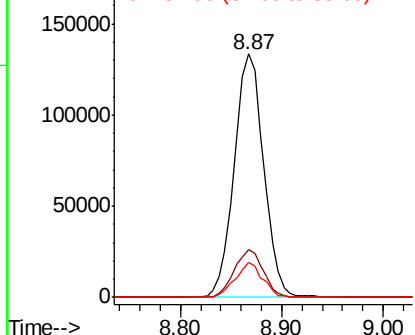
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.4
88	14.4	0.0	27.4

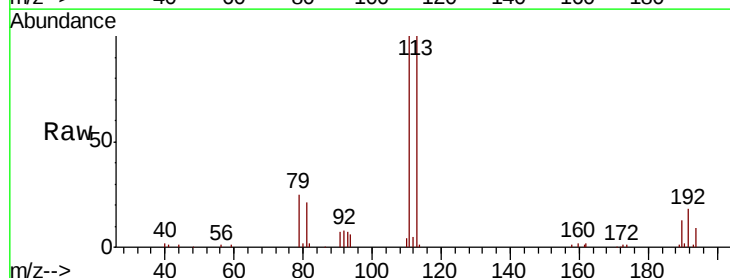


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

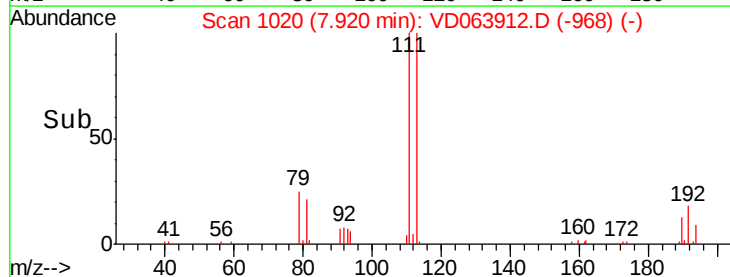
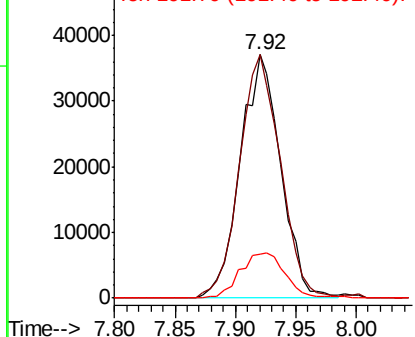


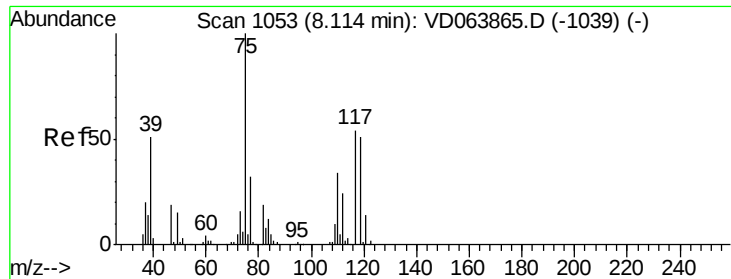
#35
Dibromofluoromethane
Concen: 52.472 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063912.D
Acq: 10 Oct 2019 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.6	123.8
192	20.5	17.1	25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :

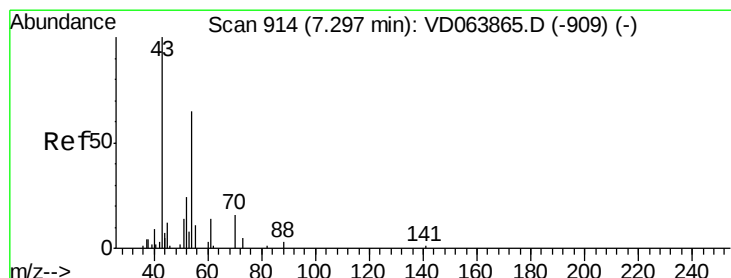
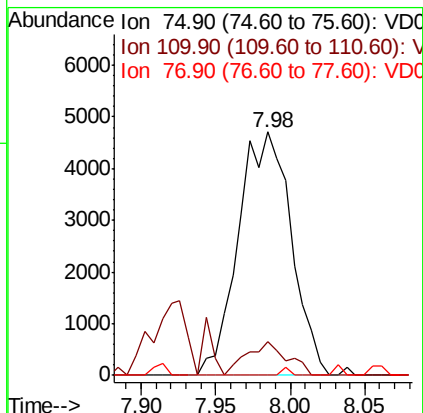
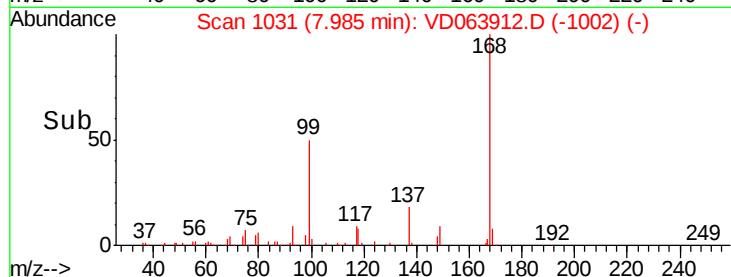
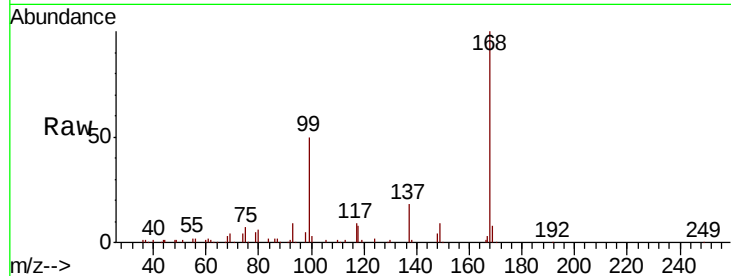
Tot Ion: 75 Resp: 11574

Ion Ratio Lower Upper

75 100

110 10.5 17.4 52.3#

77 0.5 25.4 38.0#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.27 min Scan# 909

Delta R.T. -0.03 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

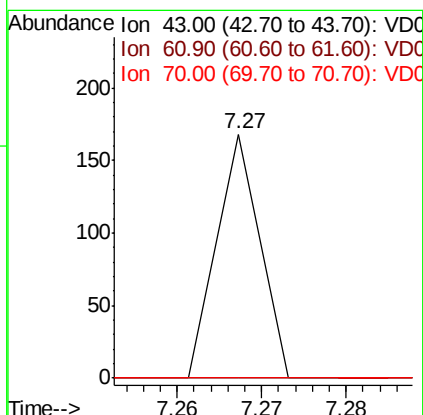
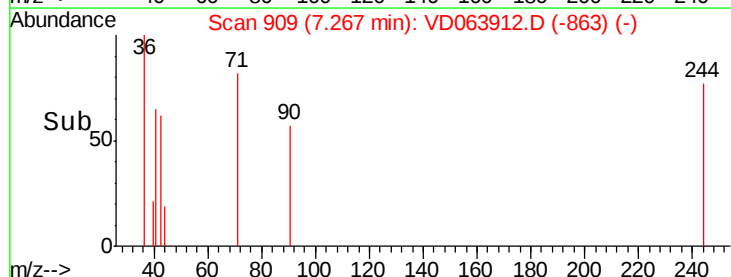
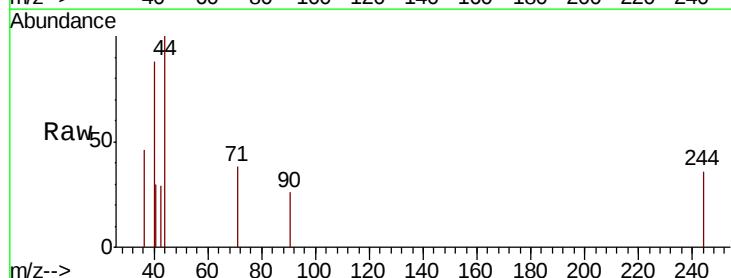
Tgt Ion: 43 Resp: 59

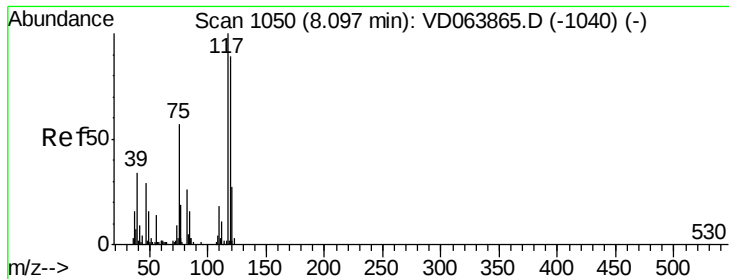
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.052 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

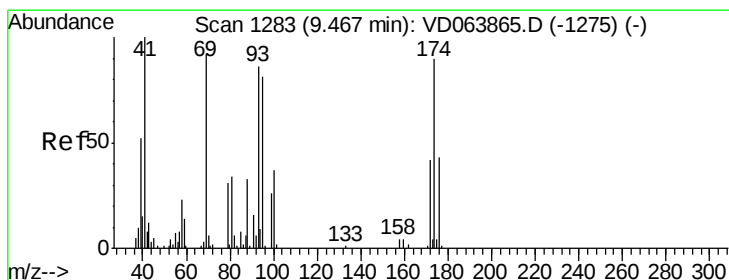
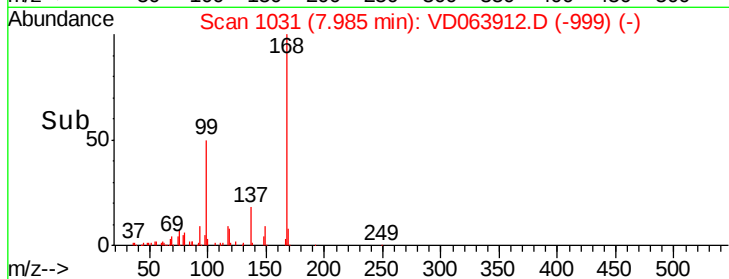
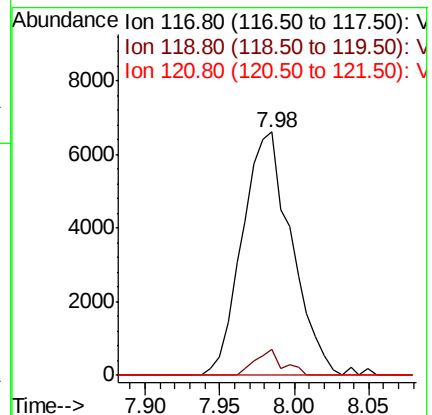
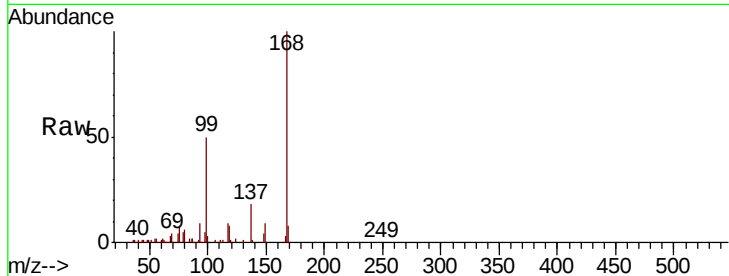
Tot Ion:117 Resp: 15102

Ion Ratio Lower Upper

117 100

119 10.9 70.8 106.2#

121 0.0 21.4 32.0#



#49

1,4-Dioxane

Concen: 6.387 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.12 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

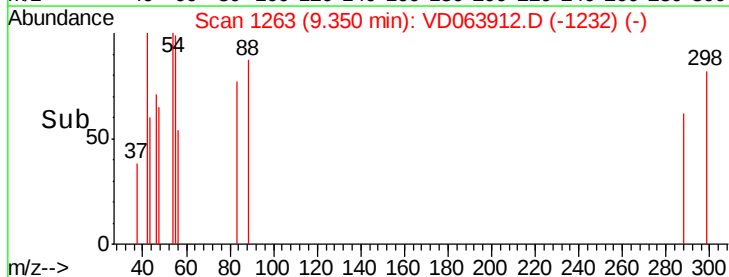
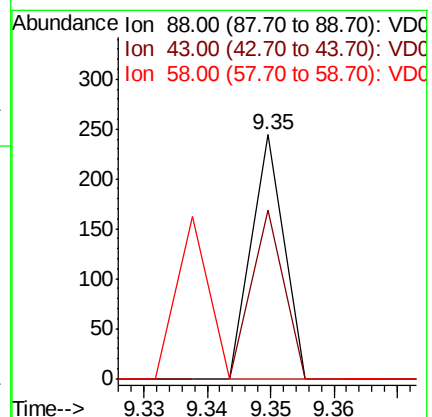
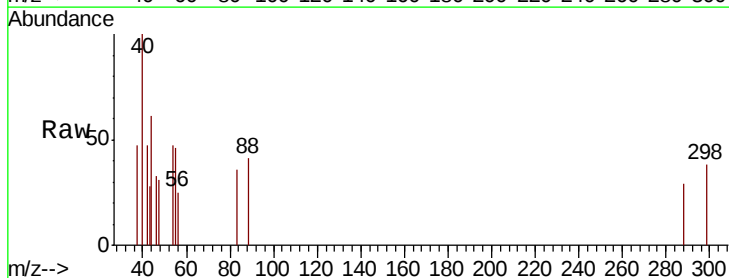
Tgt Ion: 88 Resp: 86

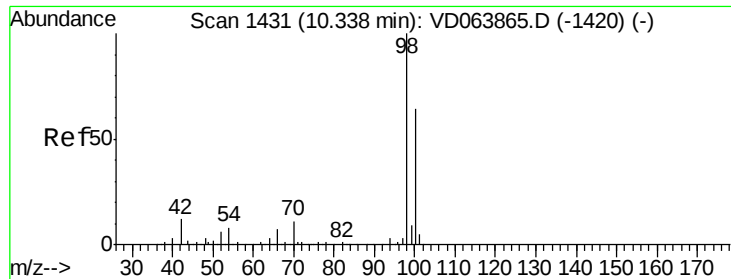
Ion Ratio Lower Upper

88 100

43 69.8 27.6 41.4#

58 66.3 54.1 81.1





#50

Toluene-d8

Concen: 52.334 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

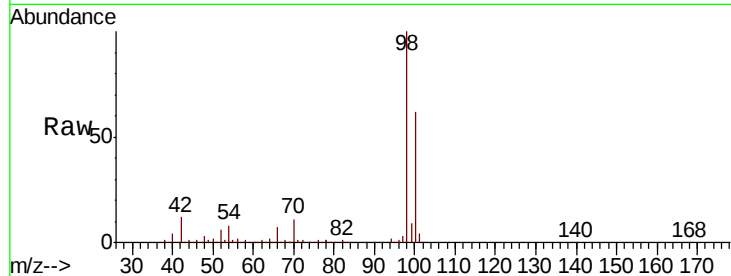
ClientSampleId :

Tot Ion: 98 Resp: 350574

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

100000

50000

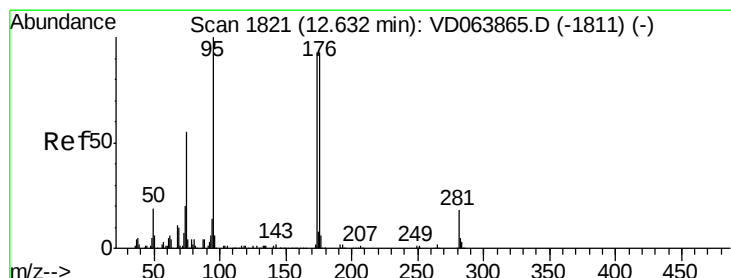
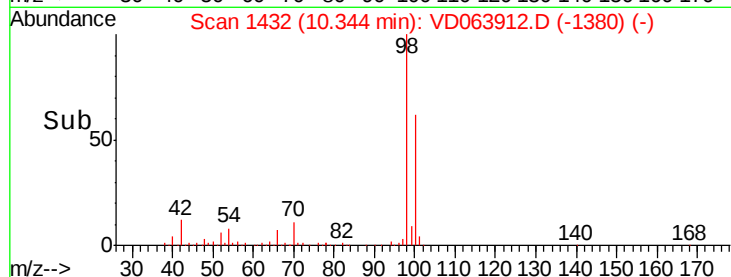
0

10.30

10.34

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 47.493 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

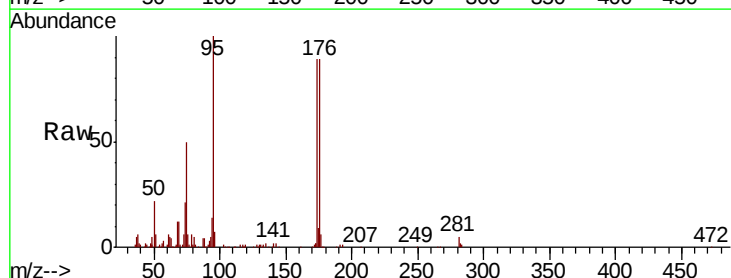
Tgt Ion: 95 Resp: 110556

Ion Ratio Lower Upper

95 100

174 94.1 0.0 186.4

176 89.3 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

80000

60000

40000

20000

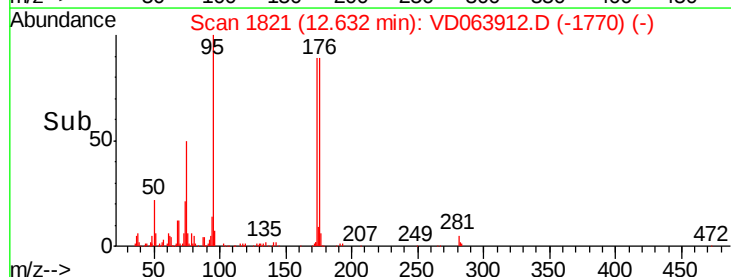
0

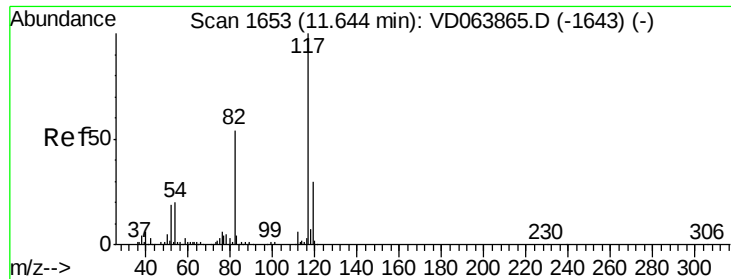
12.60

12.63

12.70

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

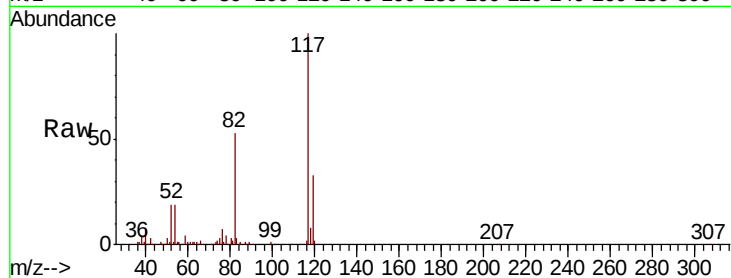
Tot Ion:117 Resp: 263586

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

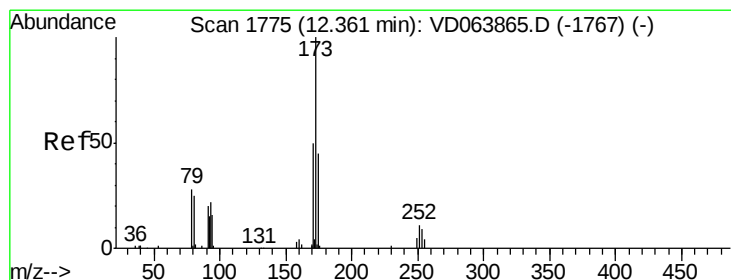
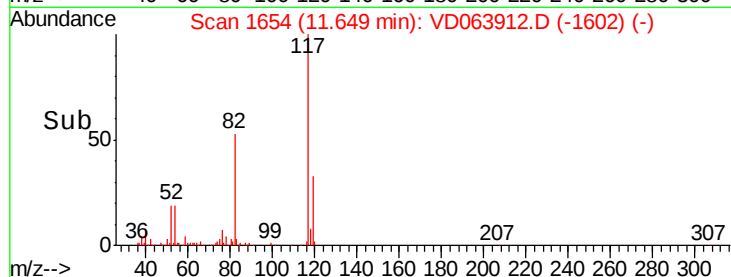
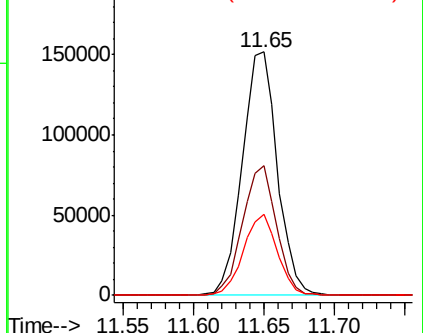
119 33.5 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 1.783 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

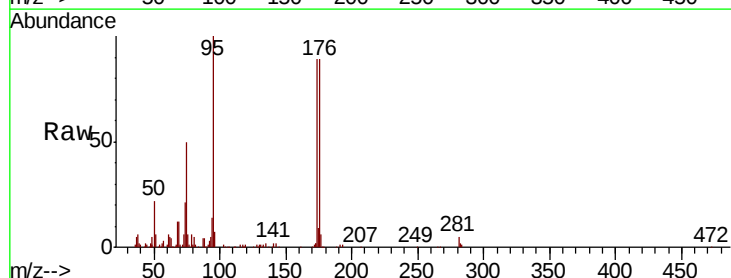
Tgt Ion:173 Resp: 1866

Ion Ratio Lower Upper

173 100

175 330.5 24.6 74.0#

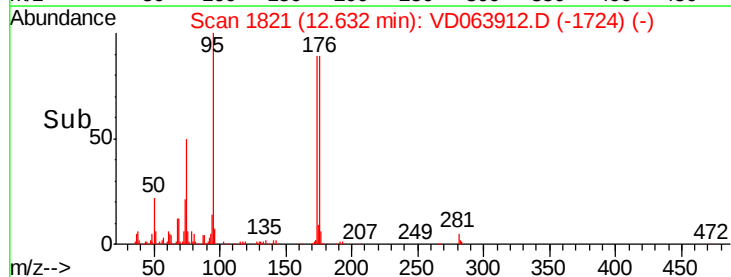
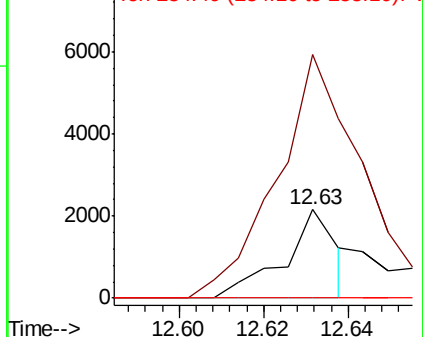
254 0.0 0.0 0.0

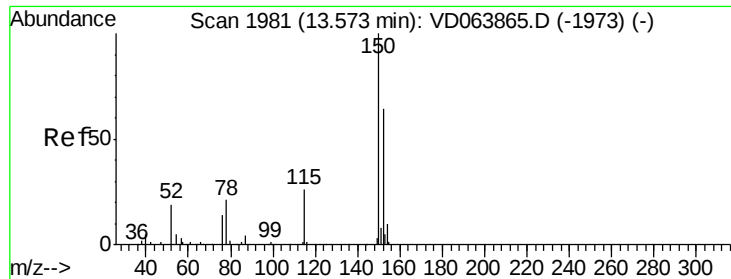


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

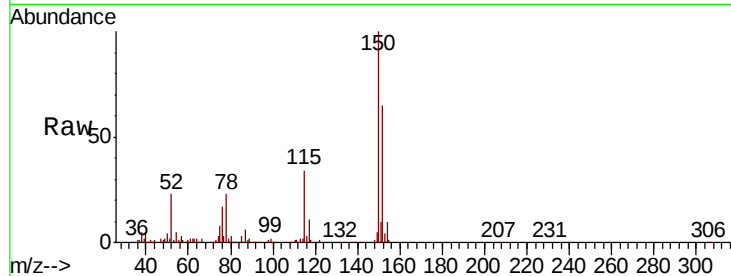
Tot Ion:152 Resp: 128264

Ion Ratio Lower Upper

152 100

115 55.6 25.9 77.7

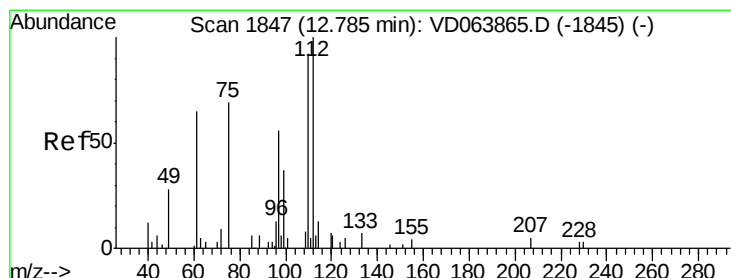
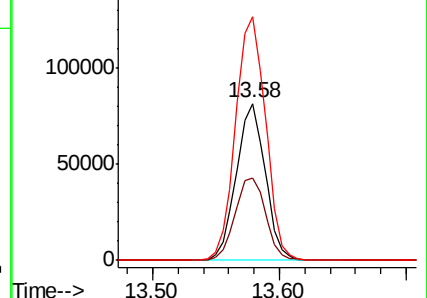
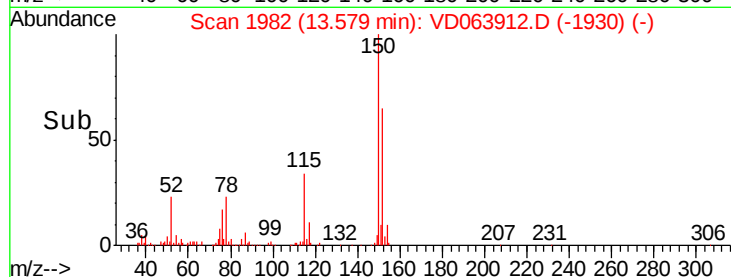
150 160.5 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 67.924 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063912.D

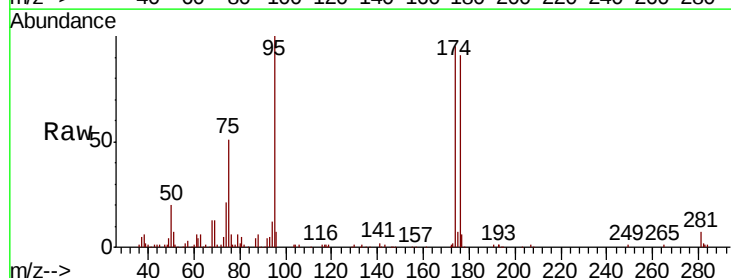
Acq: 10 Oct 2019 16:09

Tgt Ion: 75 Resp: 58352

Ion Ratio Lower Upper

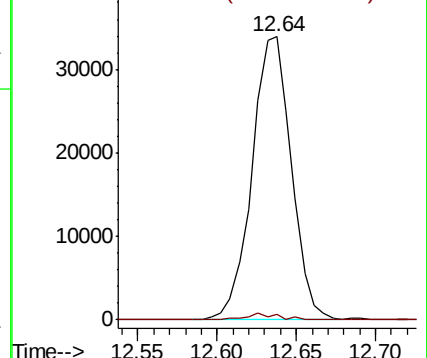
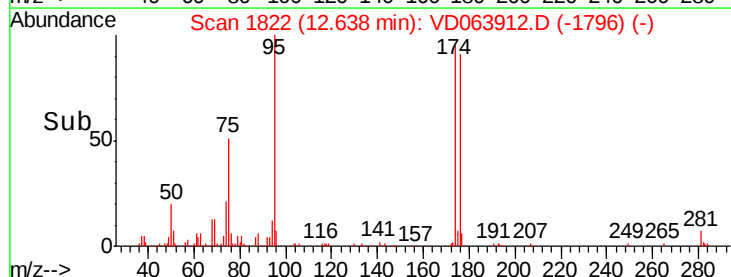
75 100

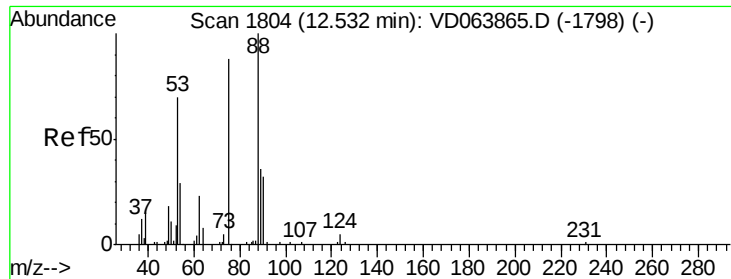
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.198 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

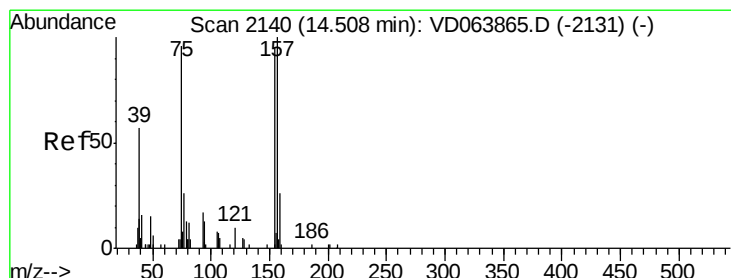
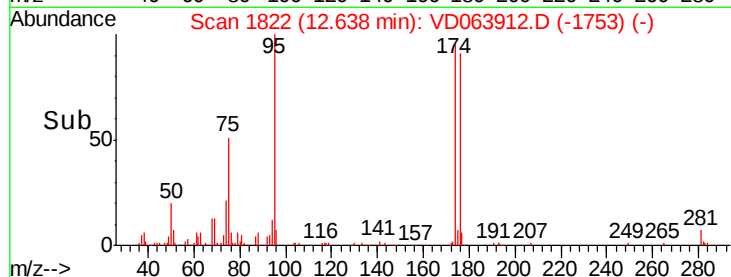
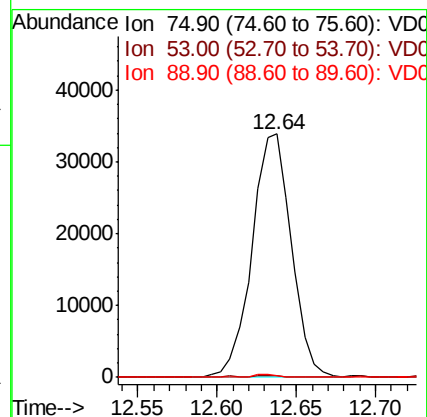
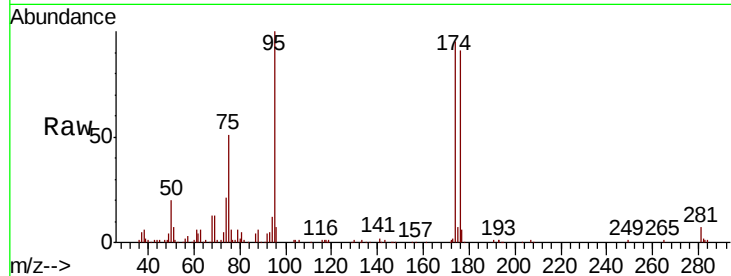
Tot Ion: 75 Resp: 58352

Ion Ratio Lower Upper

75 100

53 0.4 75.0 112.6#

89 0.7 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.41 min Scan# 2123

Delta R.T. -0.10 min

Lab File: VD063912.D

Acq: 10 Oct 2019 16:09

Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

