

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063922.D
 Acq On : 10 Oct 2019 20:53
 Operator : VA/SY
 Sample : K5298-01
 Misc : 7.11G/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:42:13 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	158626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	276848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129670	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	85774	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
35) Dibromofluoromethane	7.92	113	89064	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.34	98	370126	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	113095	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

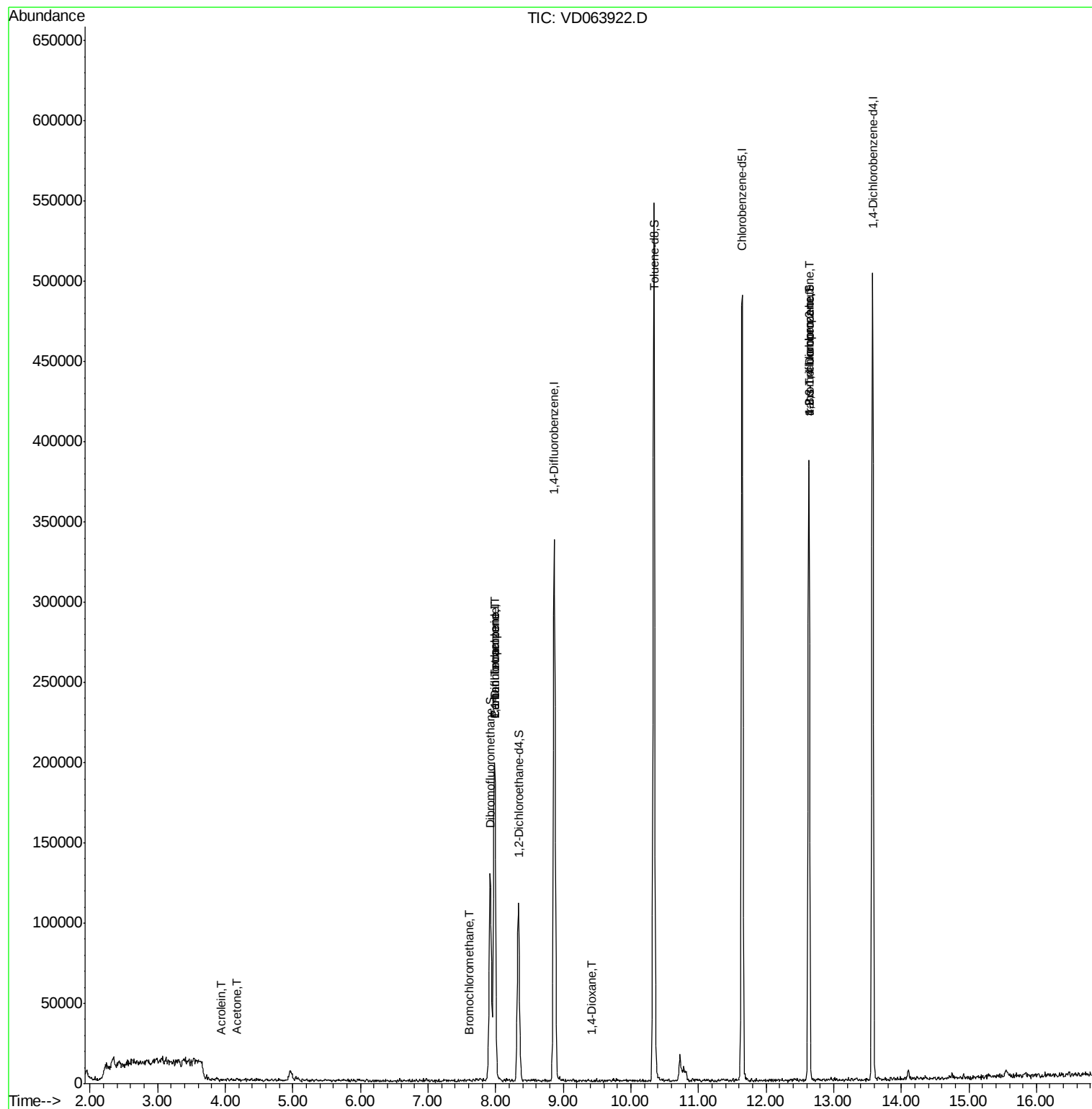
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	218	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	54	Below Cal	#	71
13) Acrolein	3.94	56	254	1.841	ug/l #	46
16) Acetone	4.16	43	507	1.261	ug/l #	42
20) Methylene Chloride	4.95	84	3847	Below Cal	#	78
28) Bromochloromethane	7.60	49	62	1.921	ug/l #	1
31) Cyclohexane	7.98	56	3999	Below Cal	#	60
36) 1,1-Dichloropropene	7.99	75	12288	4.680	ug/l #	41
37) Ethyl Acetate	7.30	43	62	Below Cal	#	1
38) Carbon Tetrachloride	7.98	117	14783	5.571	ug/l #	20
49) 1,4-Dioxane	9.41	88	56	3.911	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	59055	67.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59055	120.327	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.57	75	114	Below Cal	#	1

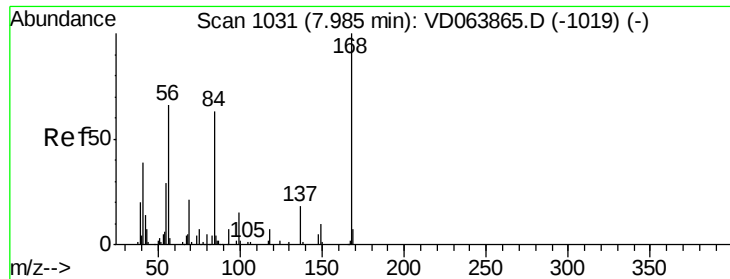
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 1031

Delta R.T. -0.00 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

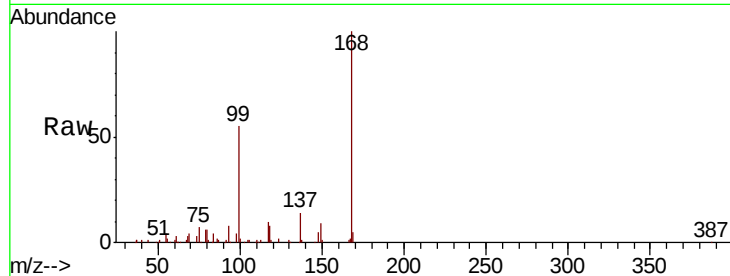
ClientSampleId :

Tot Ion:168 Resp: 158626

Ion Ratio Lower Upper

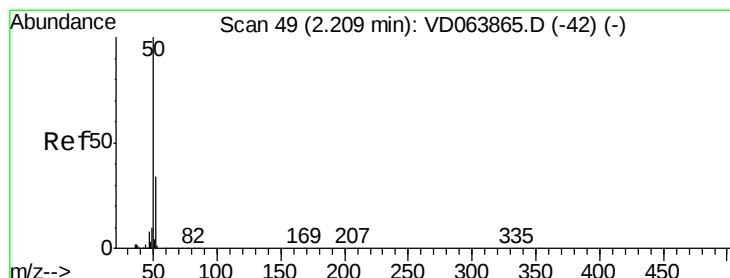
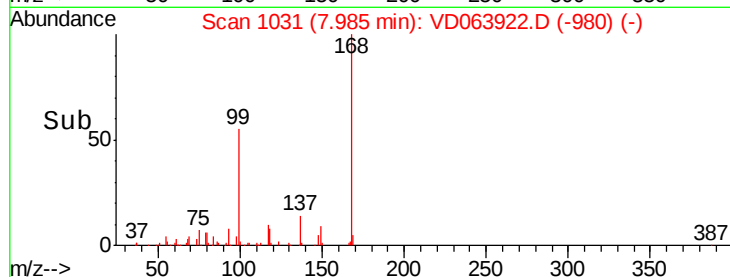
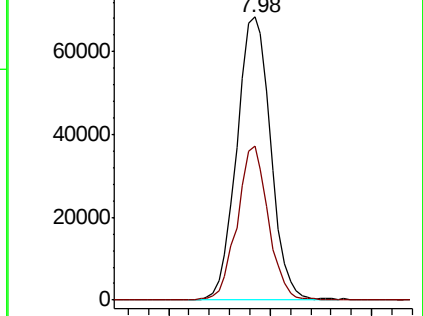
168 100

99 54.6 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063922.D

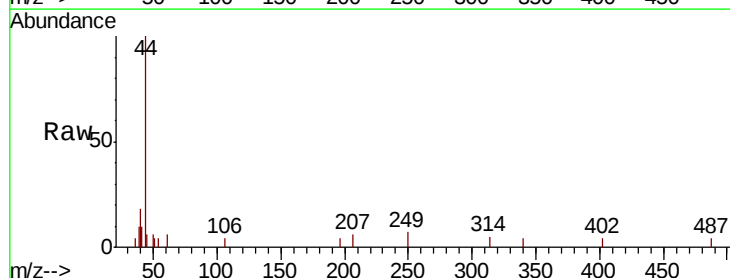
Acq: 10 Oct 2019 20:53

Tgt Ion: 50 Resp: 218

Ion Ratio Lower Upper

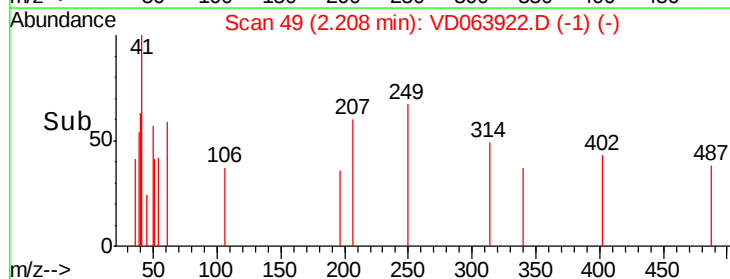
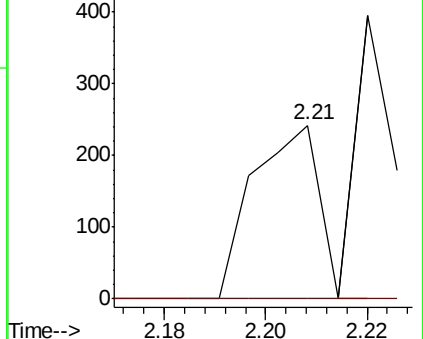
50 100

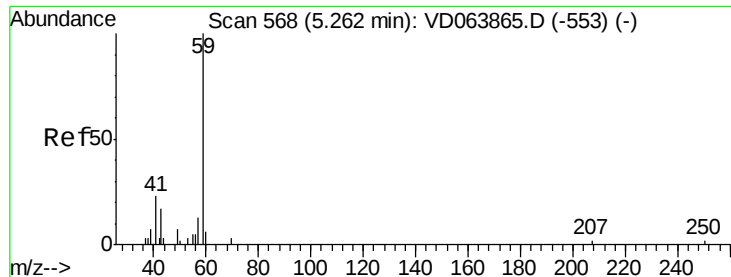
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



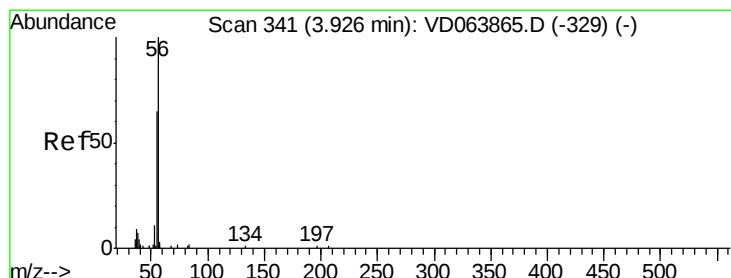
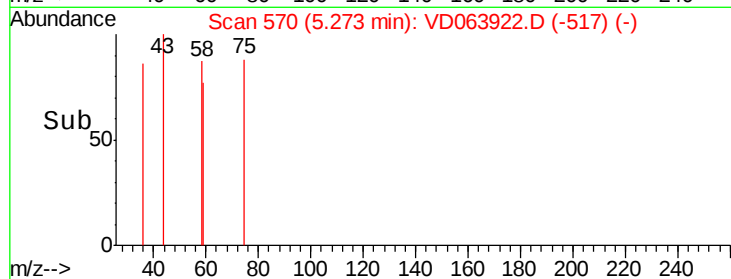
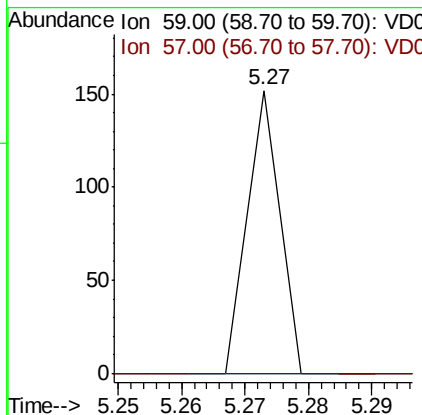
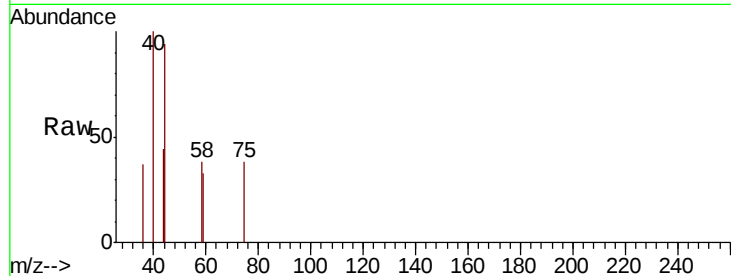


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD063922.D
 Acq: 10 Oct 2019 20:53

Instrument :
 MSVOA_D
 ClientSampled :

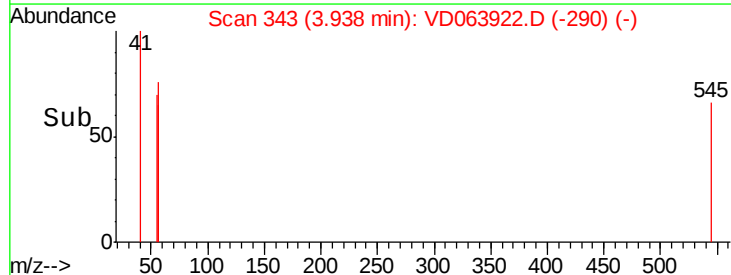
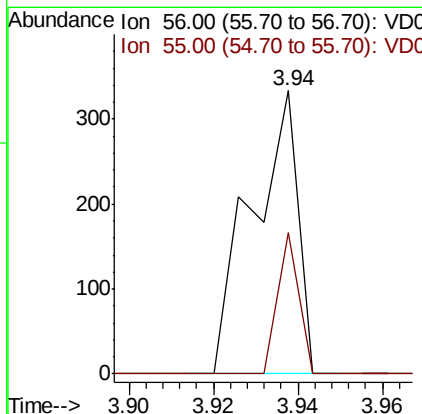
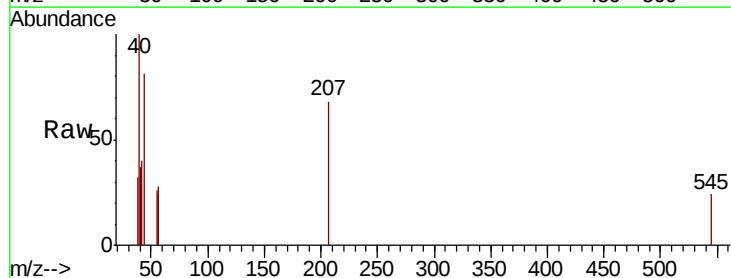
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

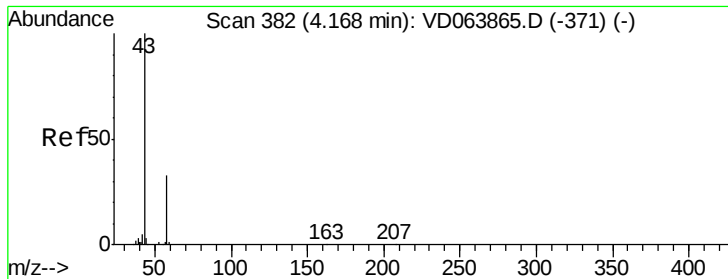


#13

Acrolein
 Concen: 1.841 ug/l
 RT: 3.94 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VD063922.D
 Acq: 10 Oct 2019 20:53

Tgt Ion: 56 Resp: 254
 Ion Ratio Lower Upper
 56 100
 55 23.2 53.0 79.6#

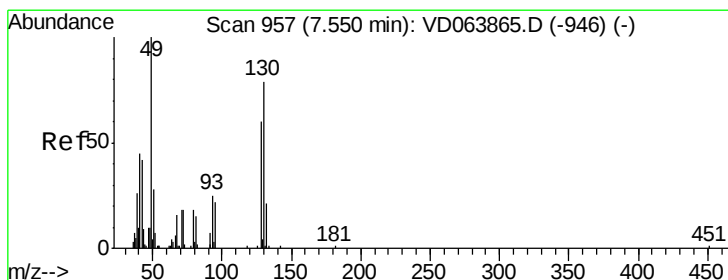
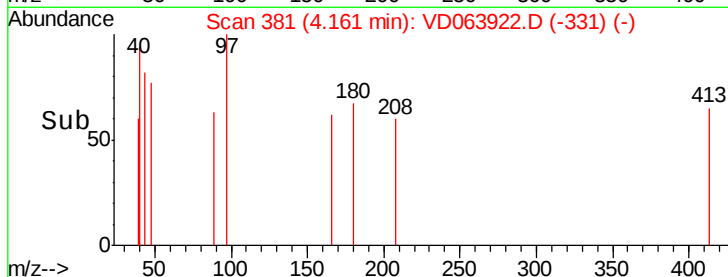
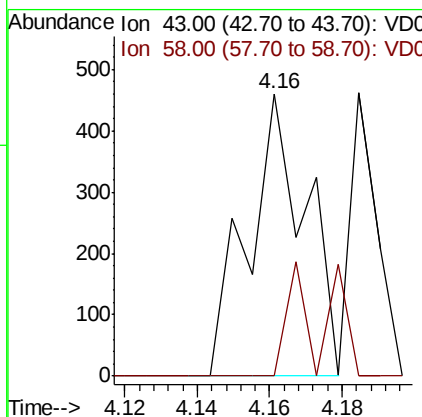
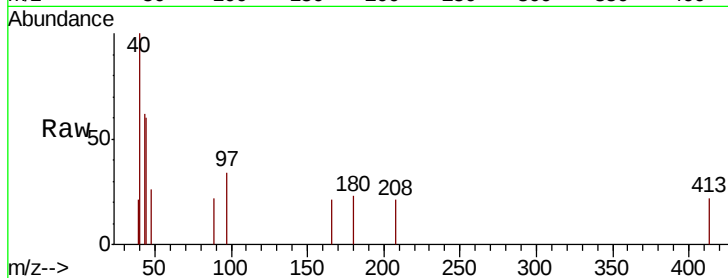




#16
Acetone
Concen: 1.261 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

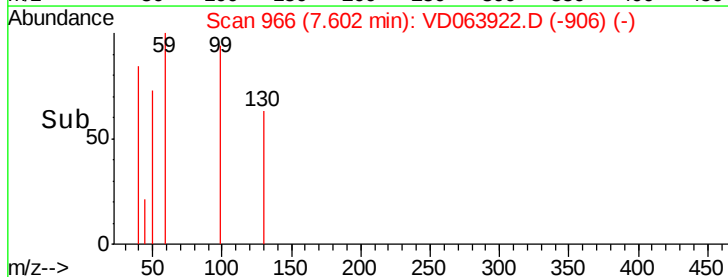
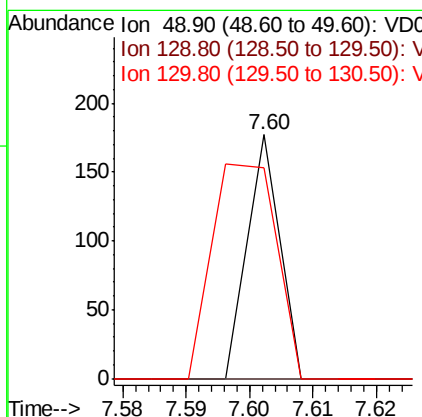
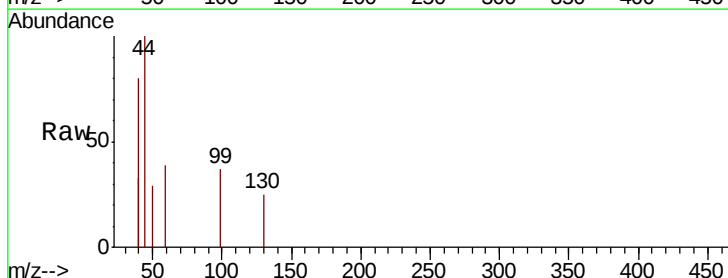
Instrument :
MSVOA_D
ClientSampled :

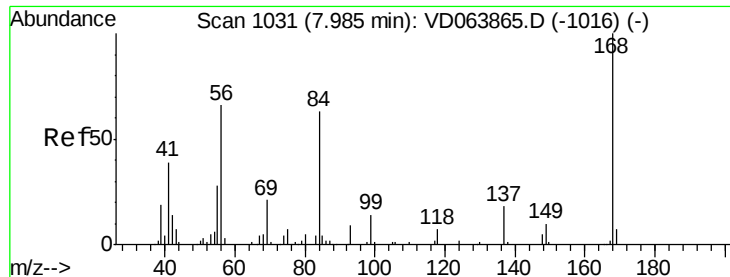
Tot Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#



#28
Bromochloromethane
Concen: 1.921 ug/l
RT: 7.60 min Scan# 966
Delta R.T. 0.05 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

Tgt Ion: 49 Resp: 62
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 175.8 66.8 100.2#

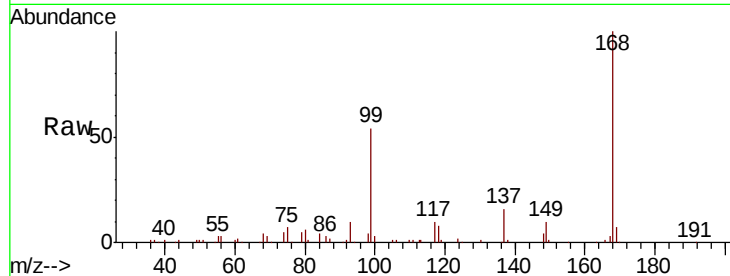




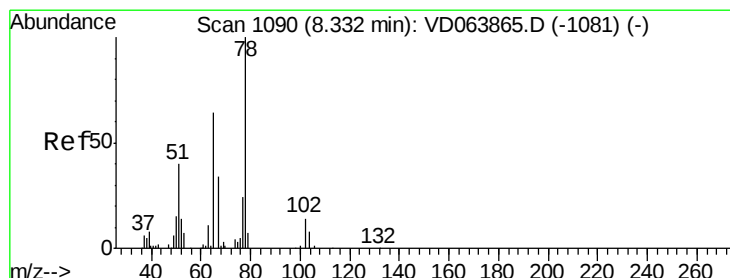
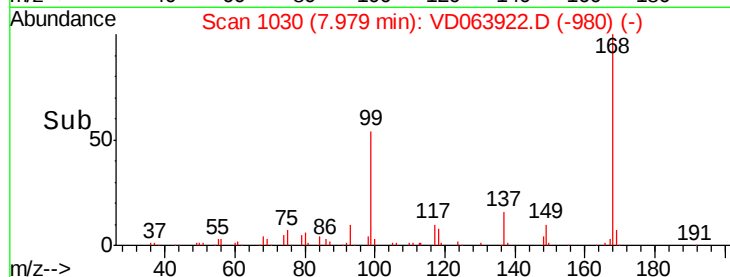
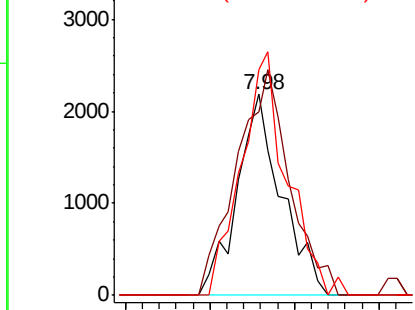
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3999
Ion Ratio Lower Upper
56 100
69 91.3 25.0 37.4#
84 112.1 76.3 114.5

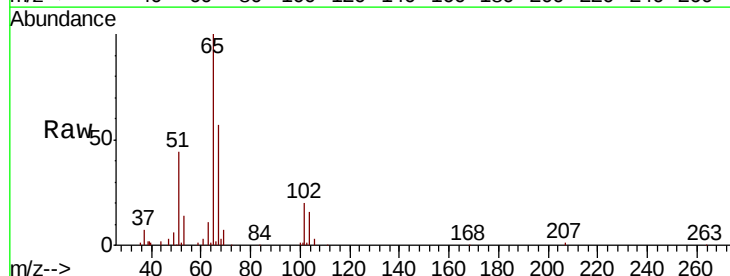


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

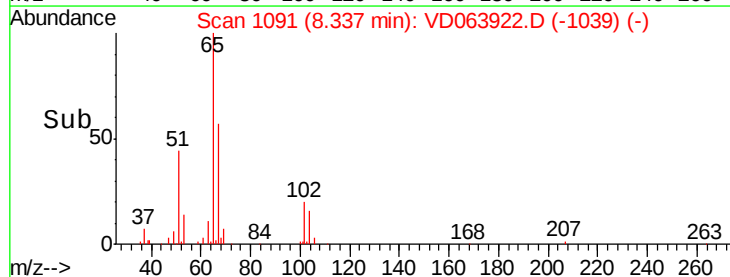
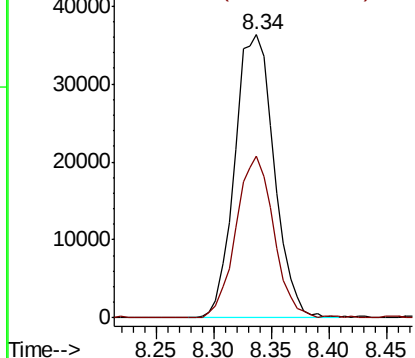


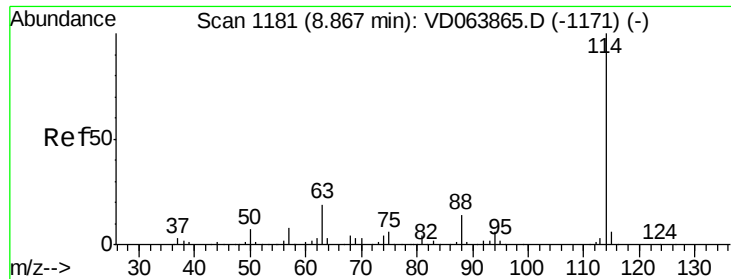
#33
1,2-Dichloroethane-d4
Concen: 55.541 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

Tgt Ion: 65 Resp: 85774
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.4



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

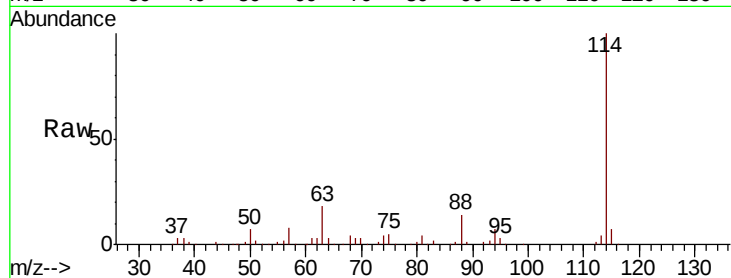




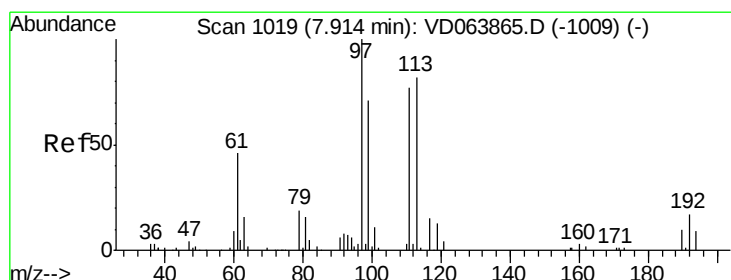
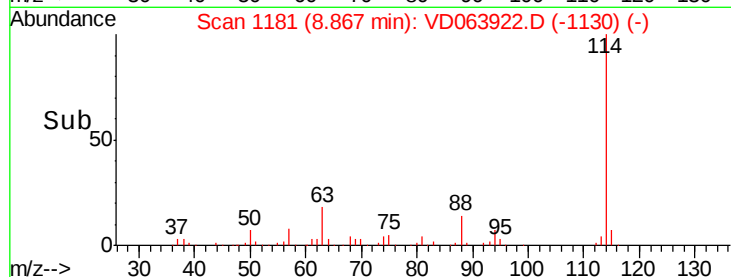
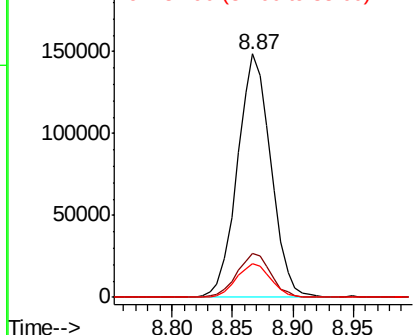
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 287184
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 13.9 0.0 27.4

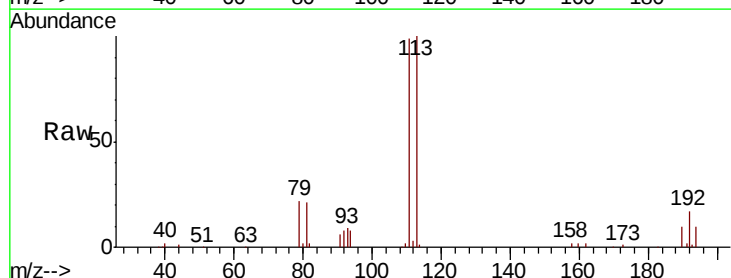


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

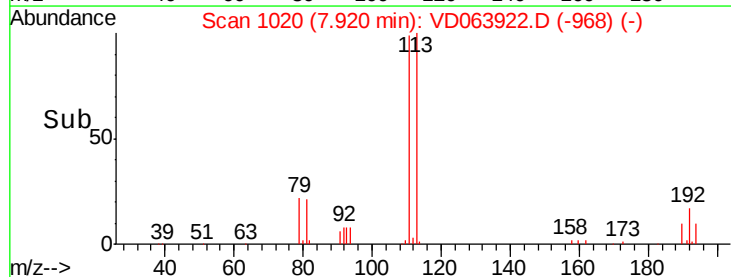
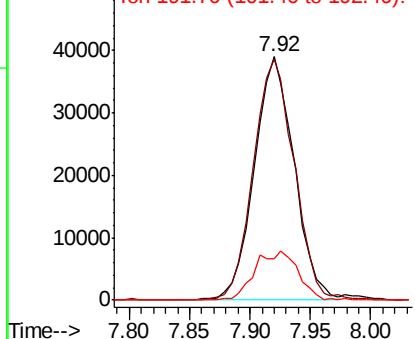


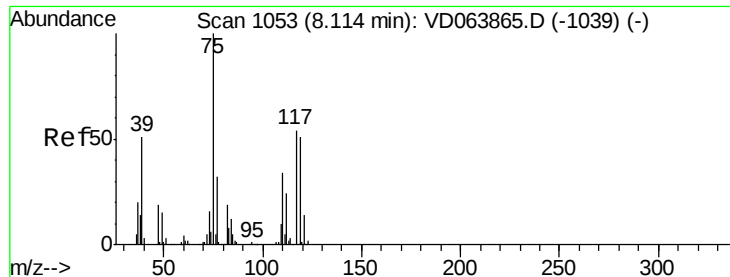
#35
Dibromofluoromethane
Concen: 50.747 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063922.D
Acq: 10 Oct 2019 20:53

Tgt Ion:113 Resp: 89064
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 21.9 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: 4.680 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

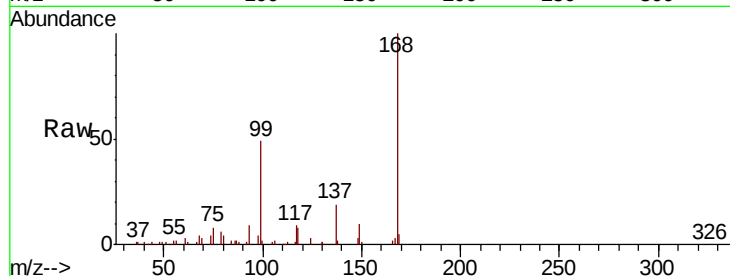
Tot Ion: 75 Resp: 12288

Ion Ratio Lower Upper

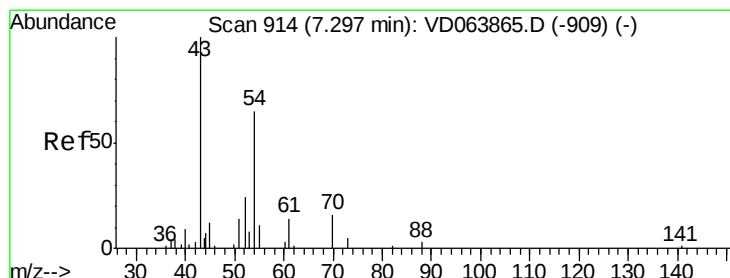
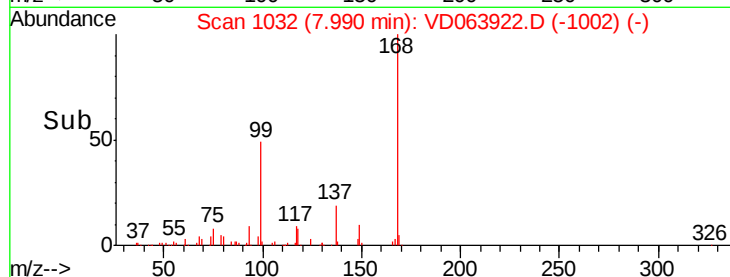
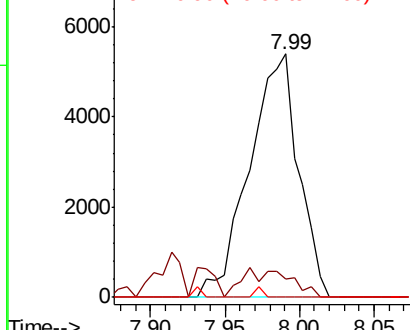
75 100

110 0.0 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

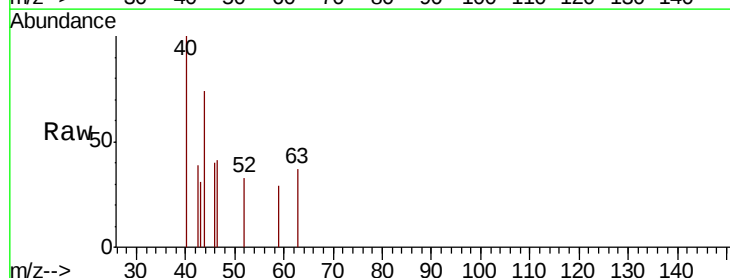
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

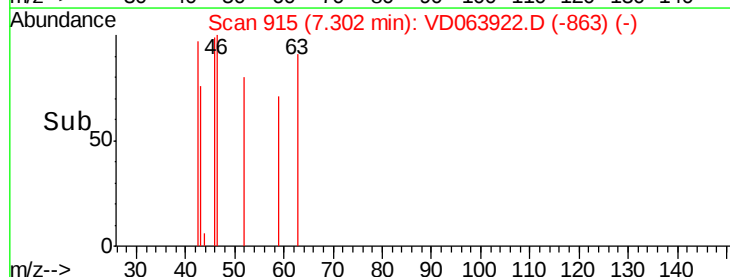
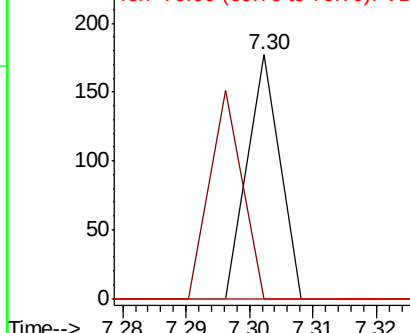
43 100

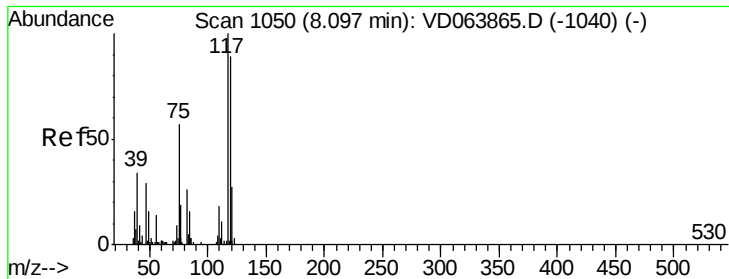
61 85.5 11.5 17.3#

70 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.571 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

ClientSampled :

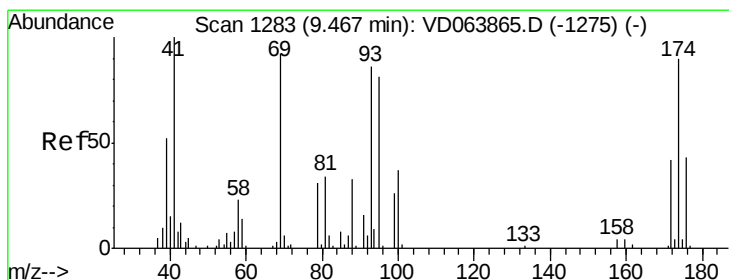
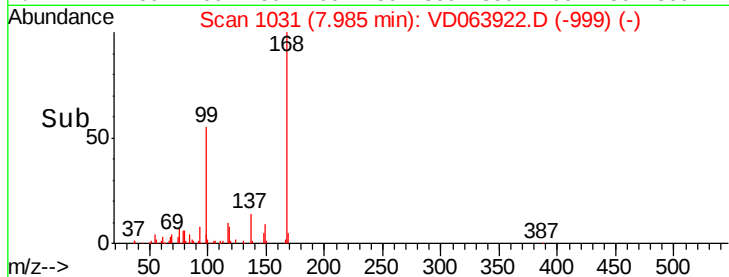
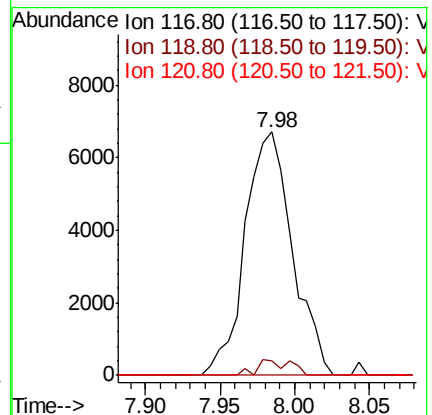
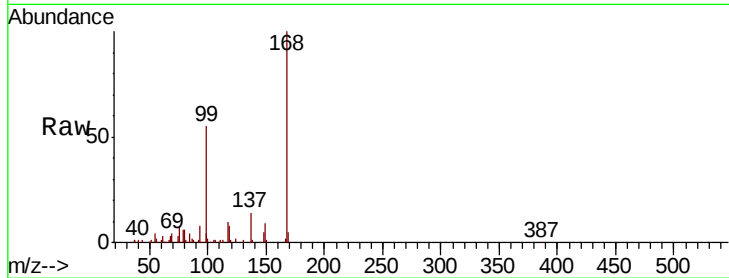
Tot Ion:117 Resp: 14783

Ion Ratio Lower Upper

117 100

119 5.7 70.8 106.2#

121 0.0 21.4 32.0#



#49

1,4-Dioxane

Concen: 3.911 ug/l

RT: 9.41 min Scan# 1274

Delta R.T. -0.05 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

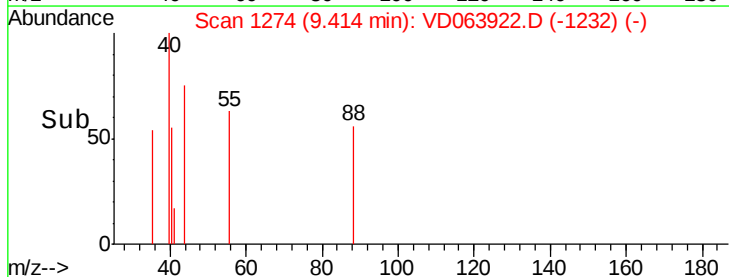
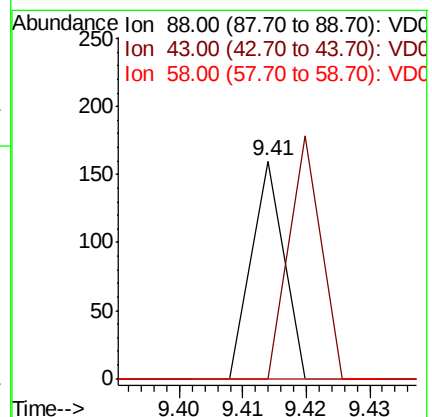
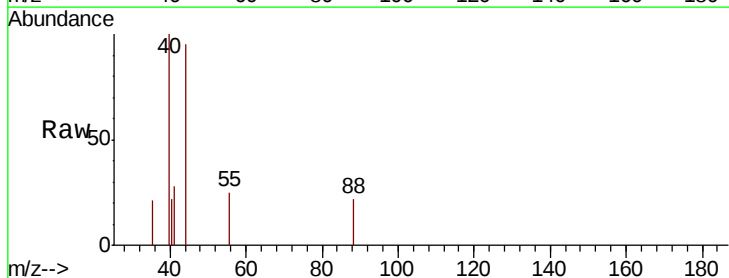
Tgt Ion: 88 Resp: 56

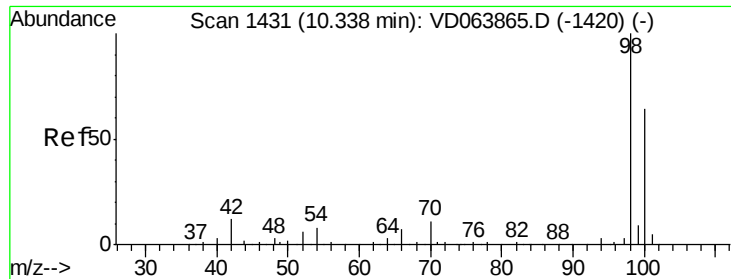
Ion Ratio Lower Upper

88 100

43 112.5 27.6 41.4#

58 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 51.958 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

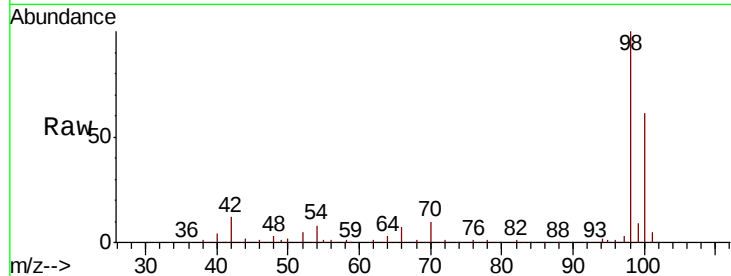
ClientSampleId :

Tot Ion: 98 Resp: 370126

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

250000

200000

150000

100000

50000

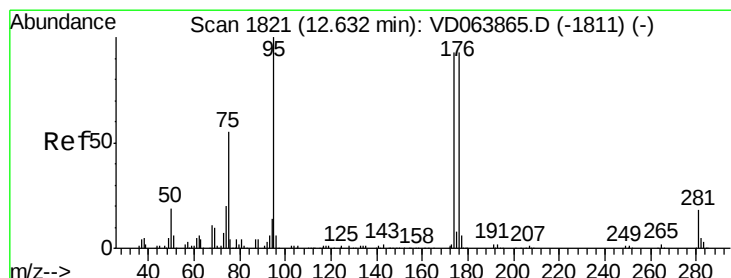
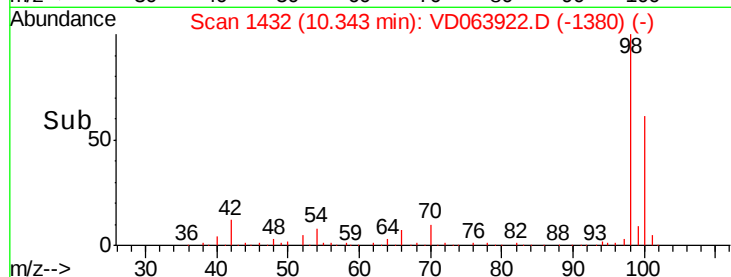
0

10.30

10.34

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.687 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

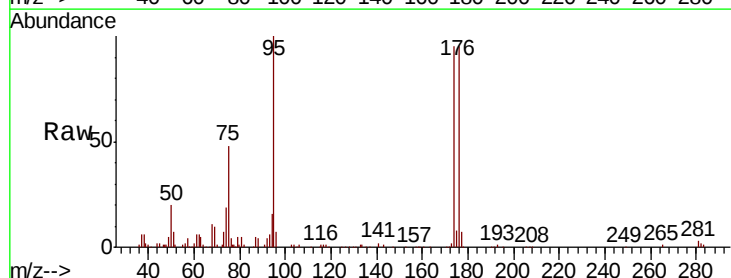
Tgt Ion: 95 Resp: 113095

Ion Ratio Lower Upper

95 100

174 91.4 0.0 186.4

176 92.1 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

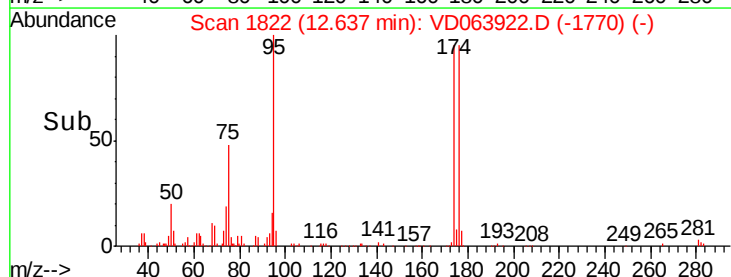
12.55

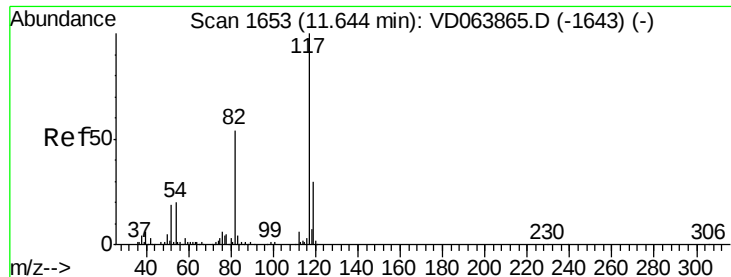
12.60

12.64

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: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

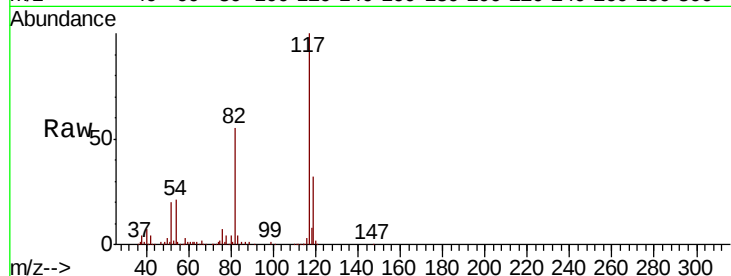
Tot Ion:117 Resp: 276848

Ion Ratio Lower Upper

117 100

82 55.3 42.8 64.2

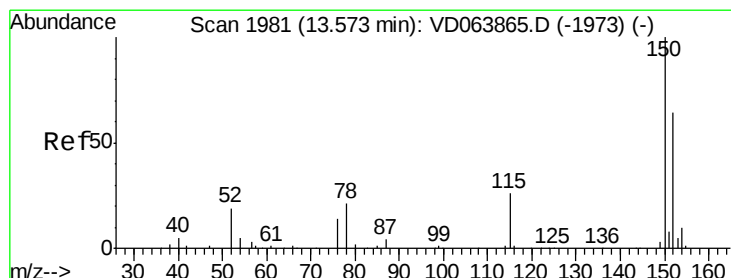
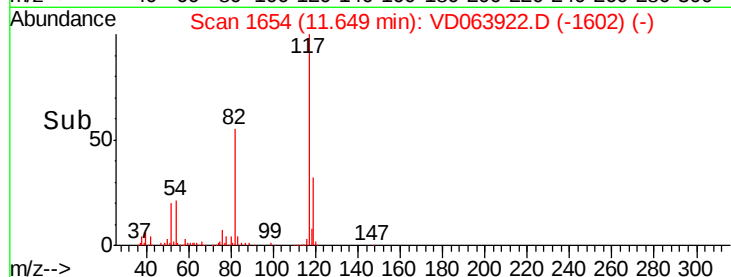
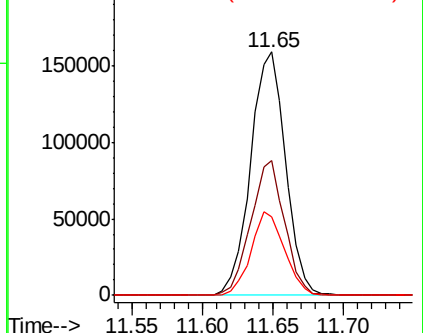
119 32.0 24.4 36.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

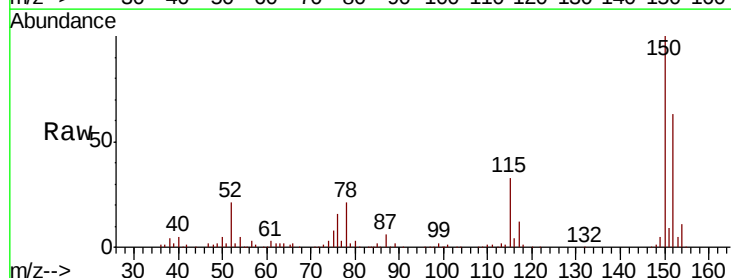
Tgt Ion:152 Resp: 129670

Ion Ratio Lower Upper

152 100

115 54.8 25.9 77.7

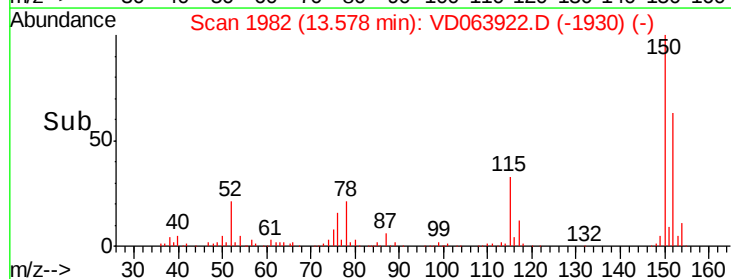
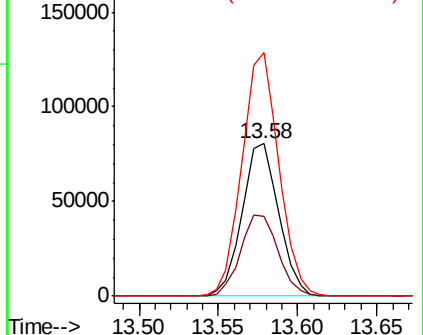
150 160.2 0.0 344.2

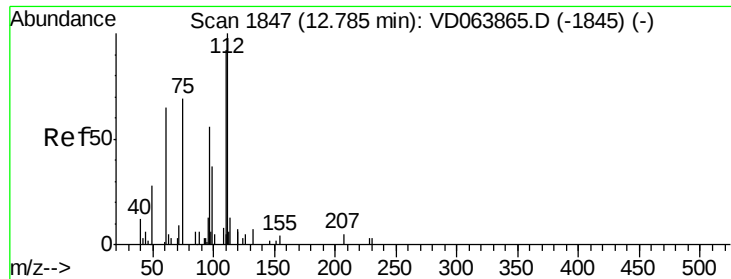


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

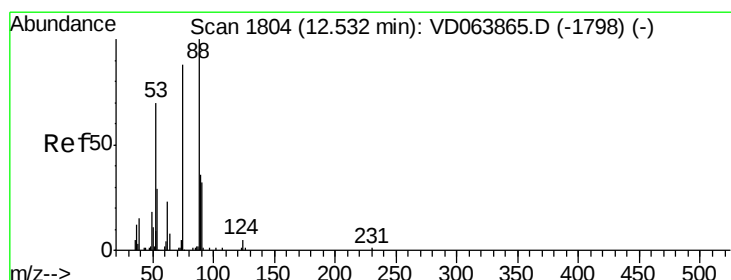
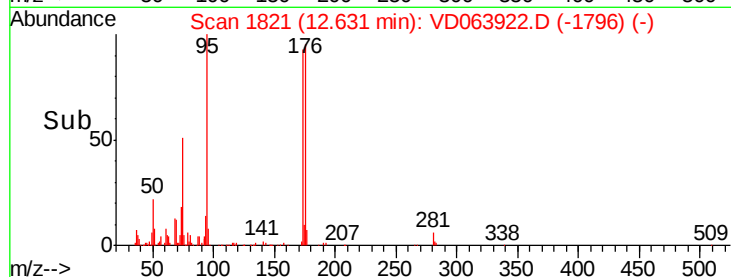
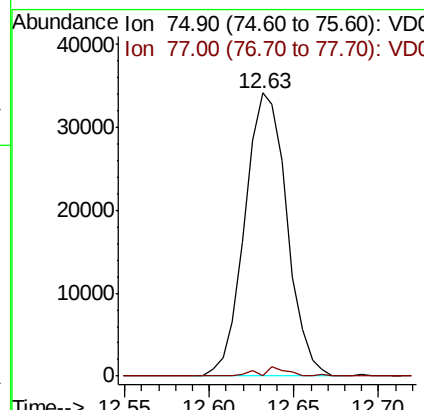
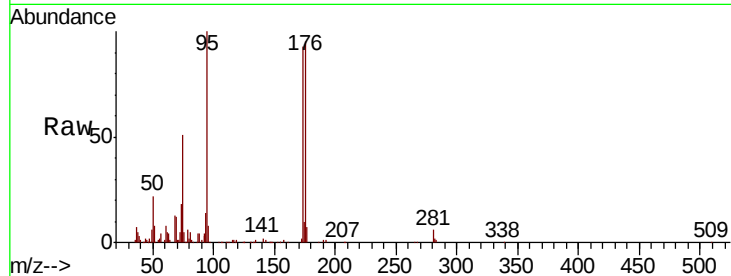




#76
 1,2,3-Trichloropropane
 Concen: 67.997 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD063922.D
 Acq: 10 Oct 2019 20:53

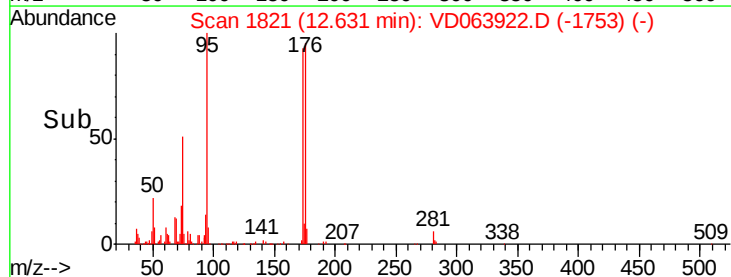
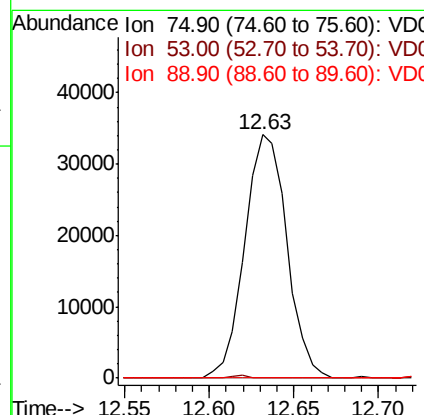
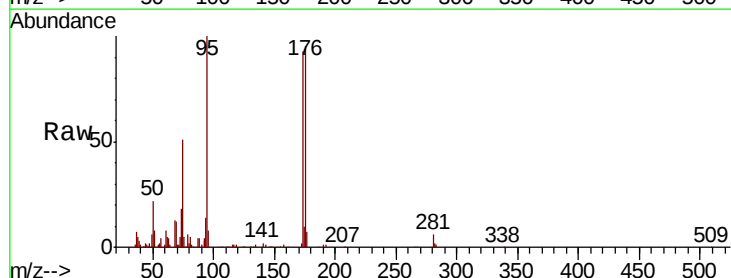
Instrument :
 MSVOA_D
 ClientSampleId :

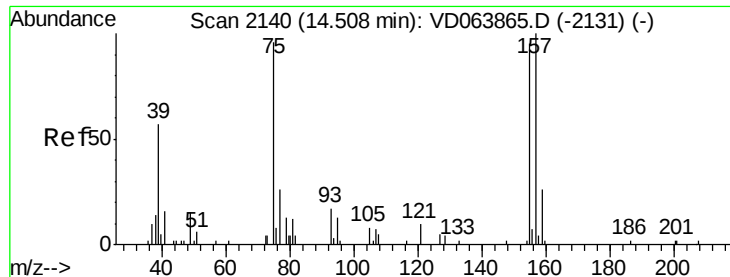
Tot Ion: 75 Resp: 59055
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.327 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063922.D
 Acq: 10 Oct 2019 20:53

Tgt Ion: 75 Resp: 59055
 Ion Ratio Lower Upper
 75 100
 53 0.4 75.0 112.6#
 89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.57 min Scan# 2151

Delta R.T. 0.06 min

Lab File: VD063922.D

Acq: 10 Oct 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

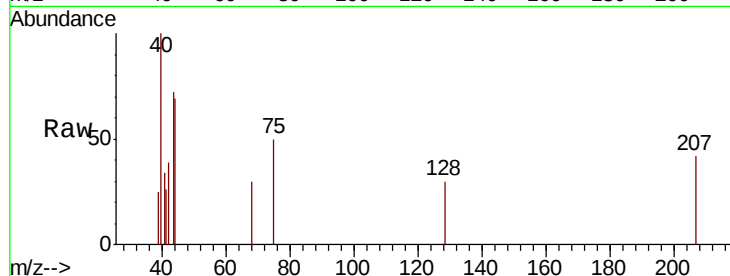
Tot Ion: 75 Resp: 114

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.57

300

200

100

0

14.56 14.58

Time-->

