

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD064000.D
 Acq On : 17 Oct 2019 15:45
 Operator : VA/SY
 Sample : K5436-05
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 17 17:30:26 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	174373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	328494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	326990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145555	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	96395	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	7.92	113	99893	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.34	98	435700	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.64	95	127694	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

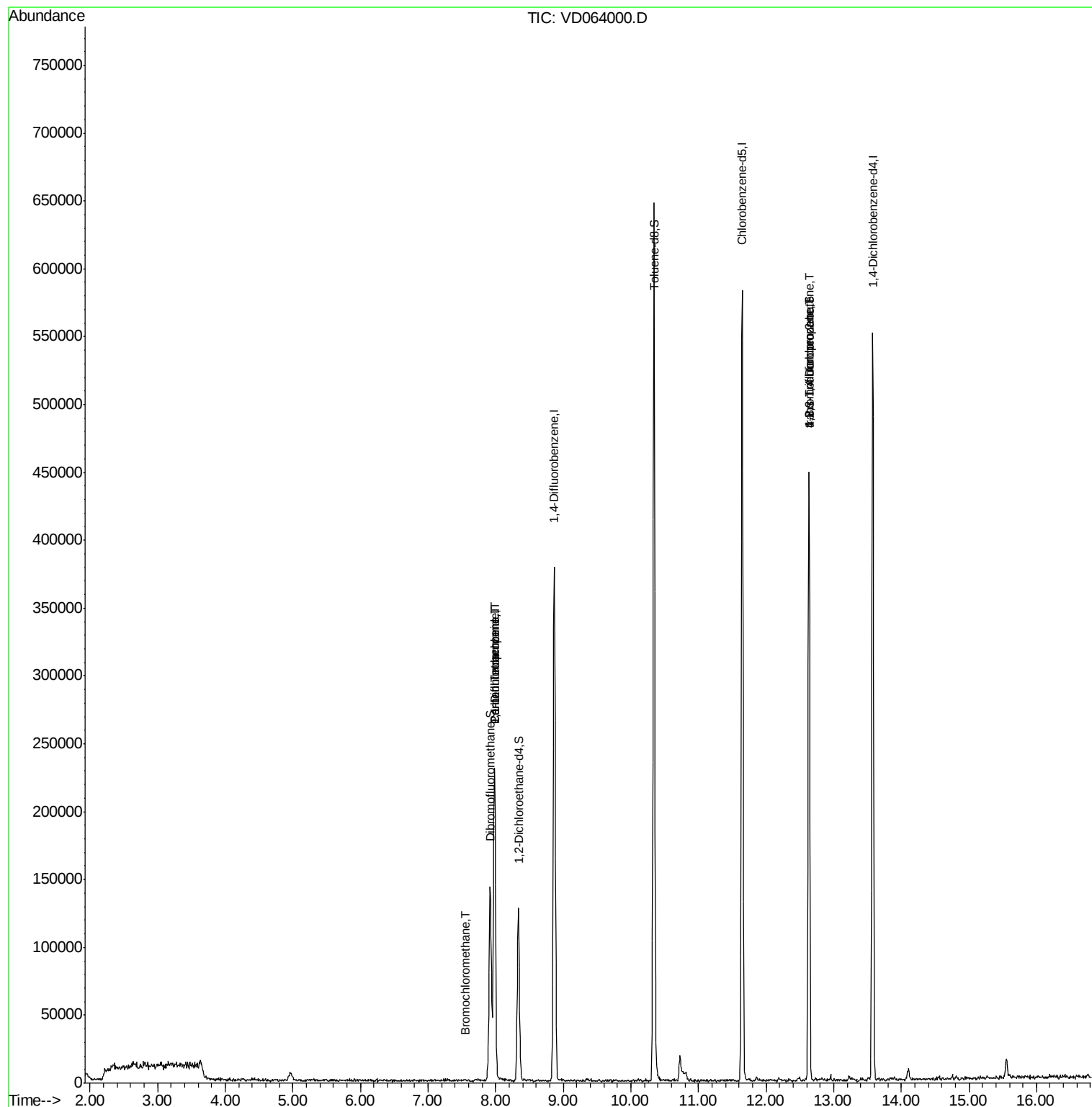
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	1321	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	137	Below Cal	#	71
20) Methylene Chloride	4.96	84	4054	Below Cal	#	88
28) Bromochloromethane	7.55	49	59	1.913	ug/l #	10
31) Cyclohexane	7.98	56	4450	Below Cal	#	62
36) 1,1-Dichloropropene	7.98	75	13877	4.620	ug/l #	50
37) Ethyl Acetate	7.33	43	69	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17163	5.655	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	67367	69.102	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	67367	122.283	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.43	75	67	Below Cal	#	1

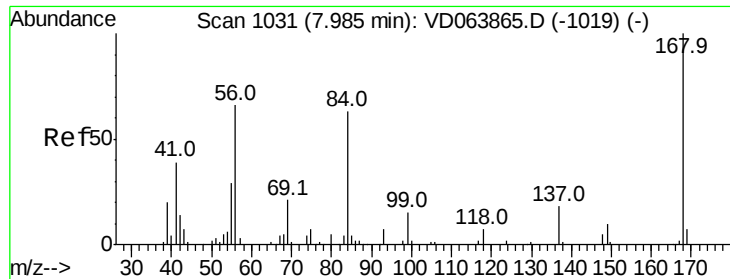
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101719\
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Quant Time: Oct 17 17:30:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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: VD064000.D

Acq: 17 Oct 2019 15:45

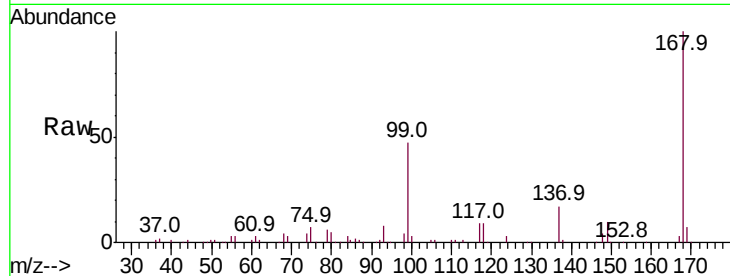
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 174373

Ion Ratio Lower Upper

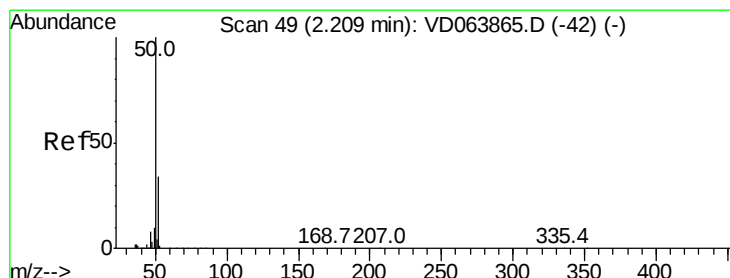
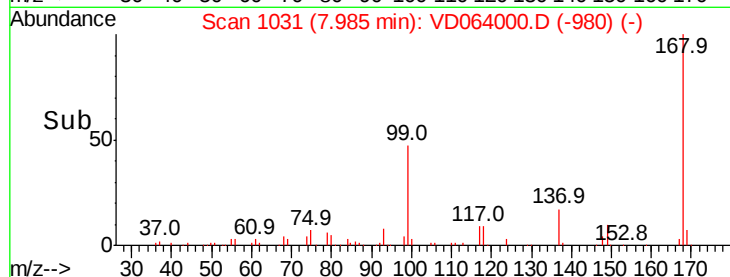
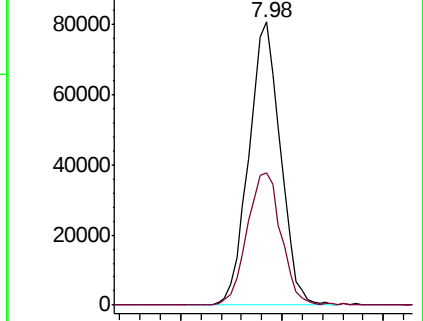
168 100

99 46.5 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: VD064000.D

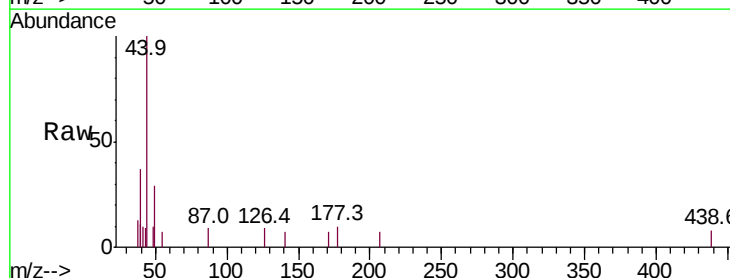
Acq: 17 Oct 2019 15:45

Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

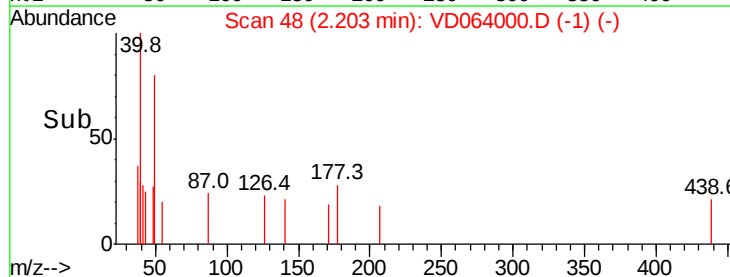
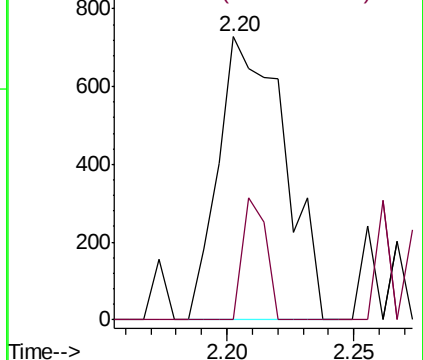
50 100

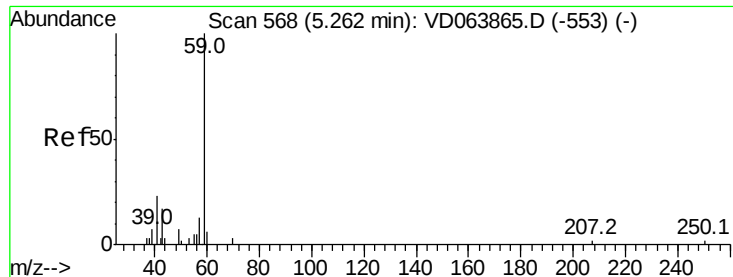
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



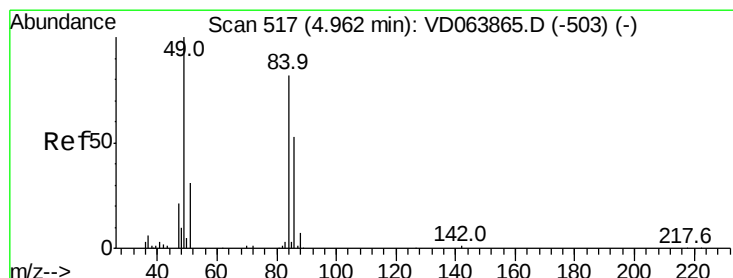
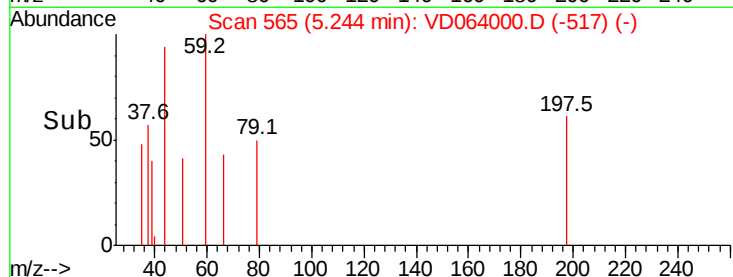
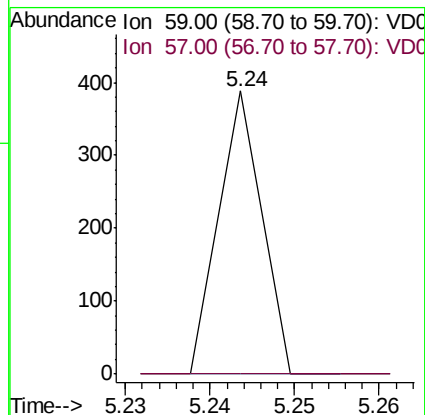
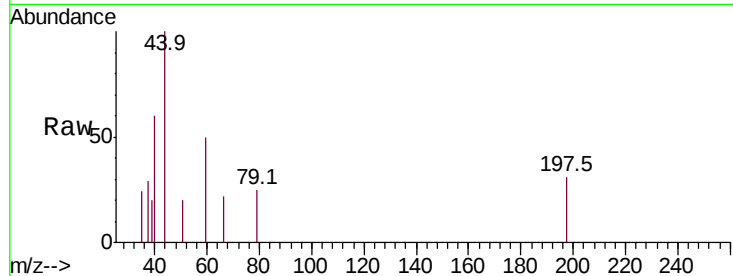


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064000.D
 Acq: 17 Oct 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :

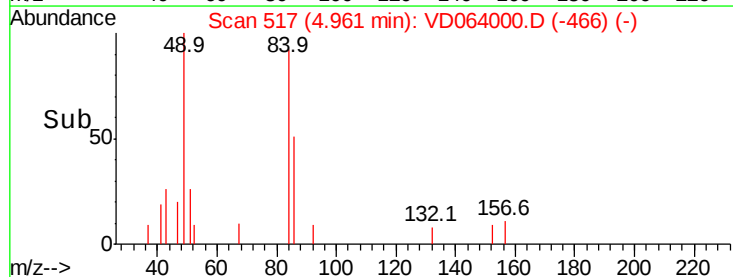
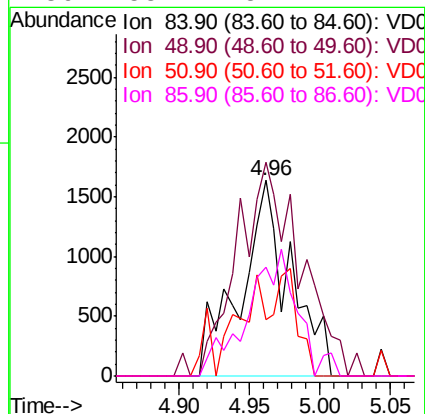
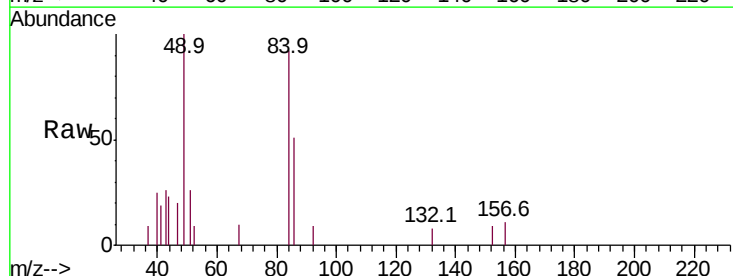
Tot Ion: 59 Resp: 137
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

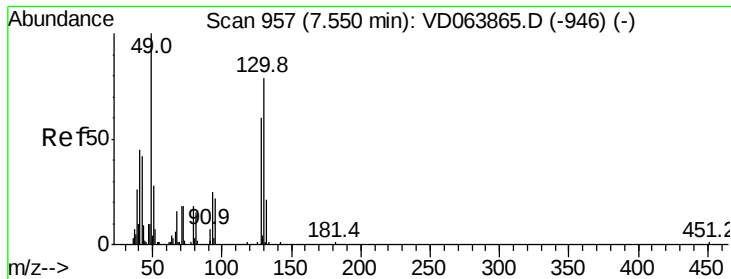


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064000.D
 Acq: 17 Oct 2019 15:45

Tgt Ion: 84 Resp: 4054
 Ion Ratio Lower Upper
 84 100
 49 109.2 97.3 145.9
 51 28.6 30.1 45.1#
 86 55.7 51.4 77.2





#28

Bromochloromethane

Concen: 1.913 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

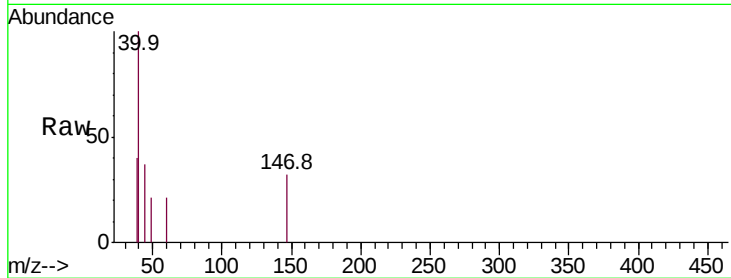
Tot Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

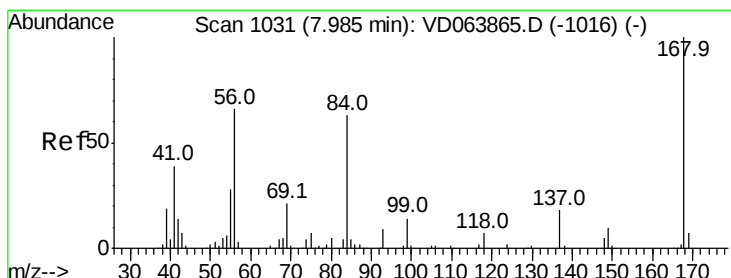
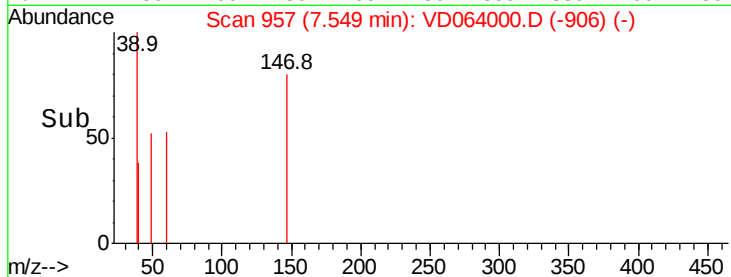
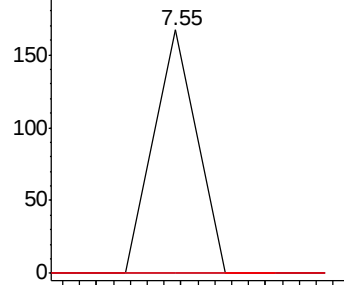
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

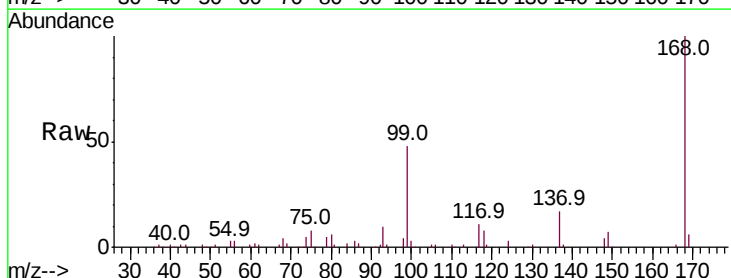
Tgt Ion: 56 Resp: 4450

Ion Ratio Lower Upper

56 100

69 86.0 25.0 37.4#

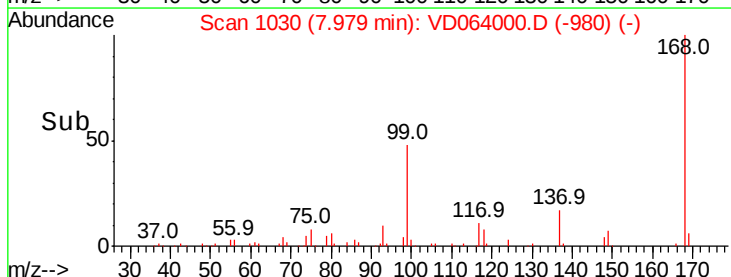
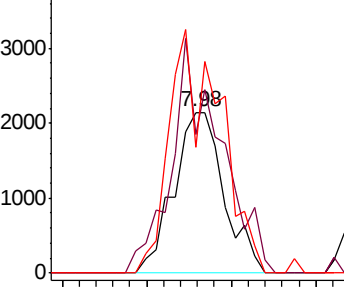
84 78.2 76.3 114.5

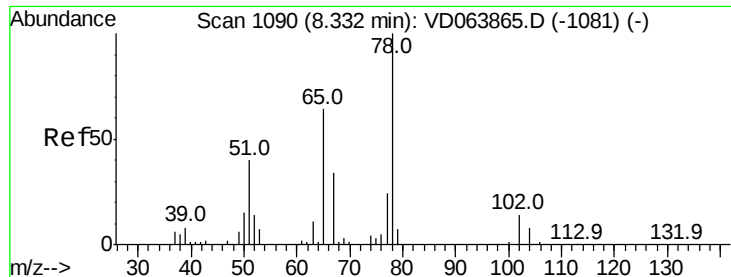


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

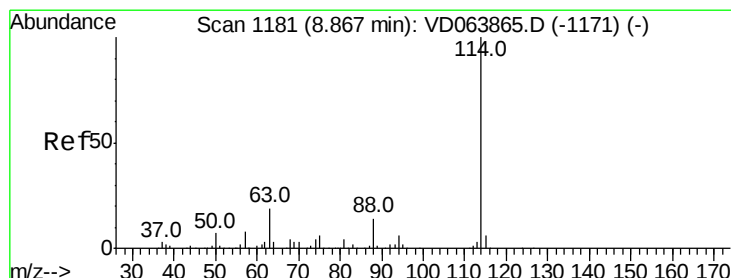
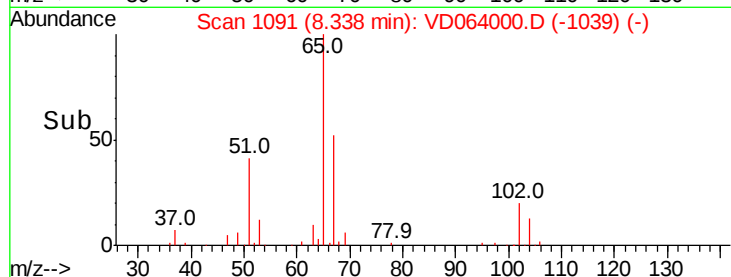
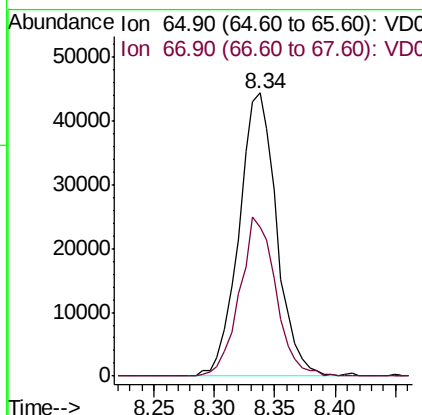
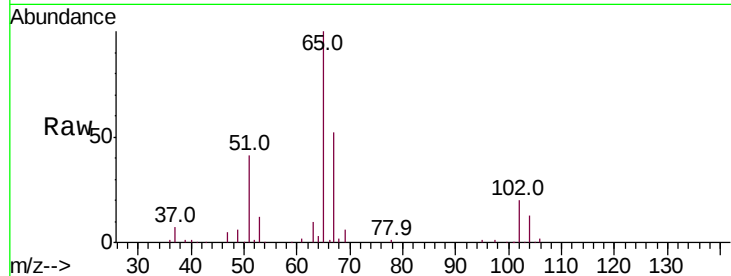




#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064000.D
 Acq: 17 Oct 2019 15:45

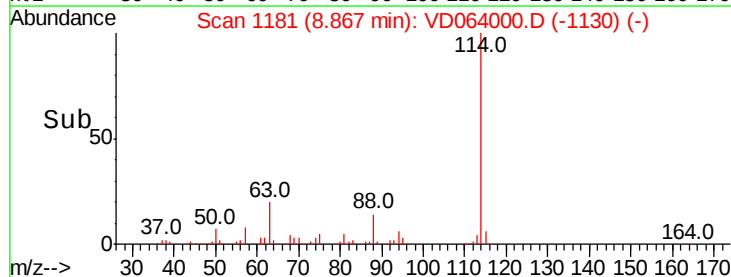
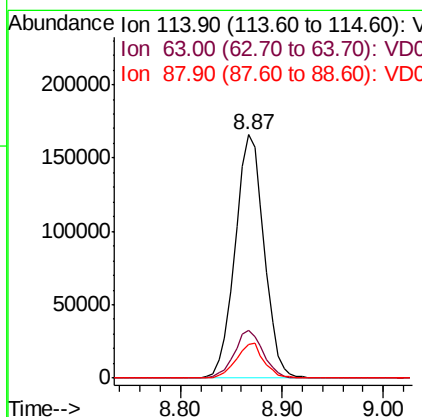
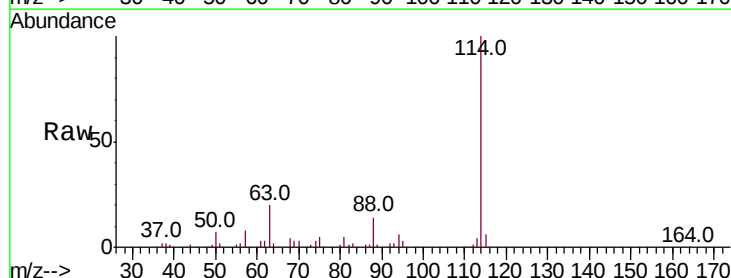
Instrument :
 MSVOA_D
 ClientSampleID :

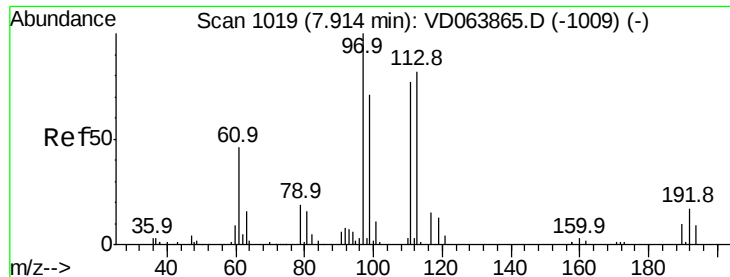
Tot Ion: 65 Resp: 96395
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064000.D
 Acq: 17 Oct 2019 15:45

Tgt Ion: 114 Resp: 328494
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 13.9 0.0 27.4

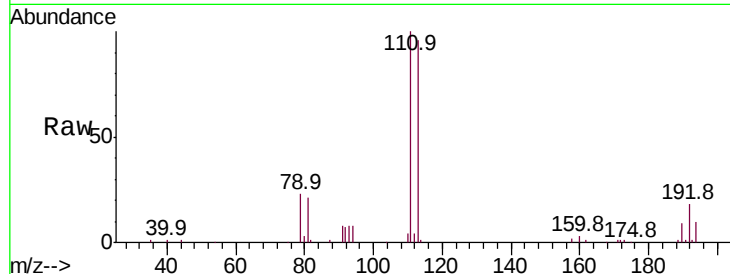




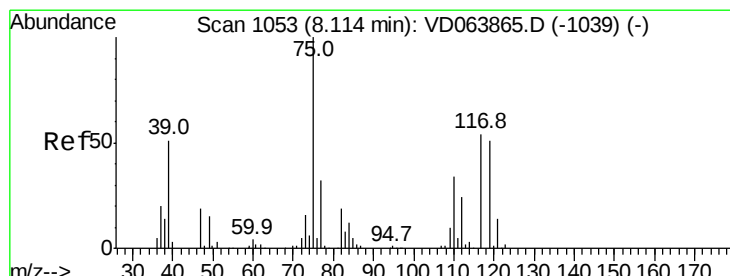
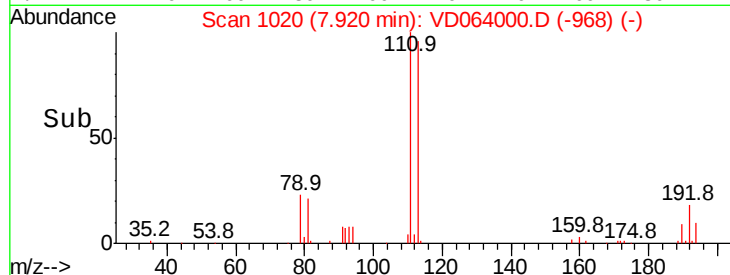
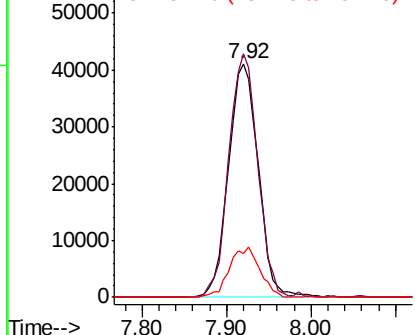
#35
Dibromofluoromethane
Concen: 49.759 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 99893
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 22.1 17.1 25.7

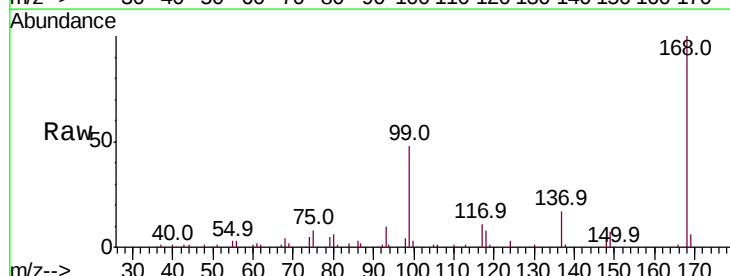


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

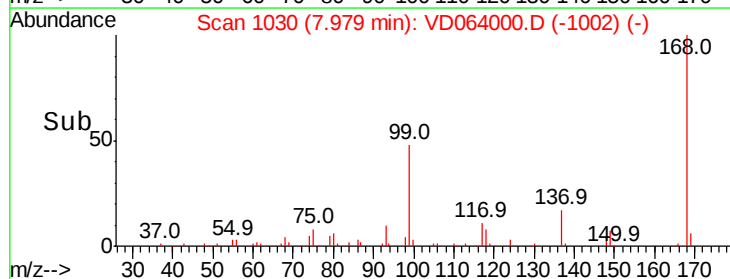
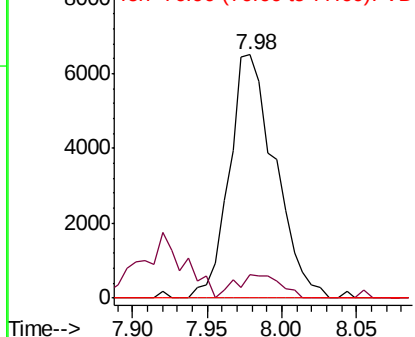


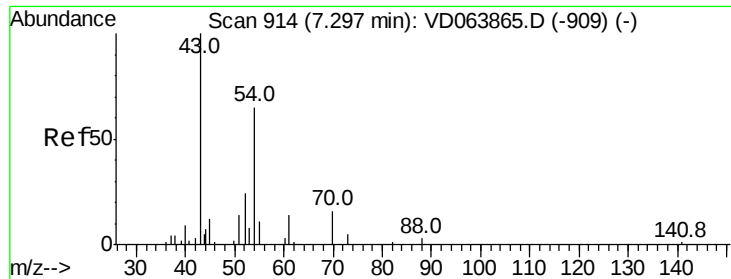
#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

Tgt Ion: 75 Resp: 13877
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 25.4 38.0#



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

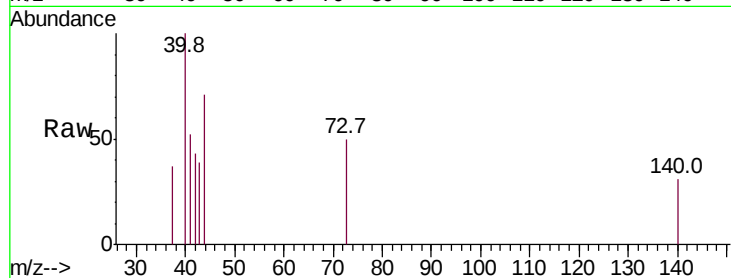




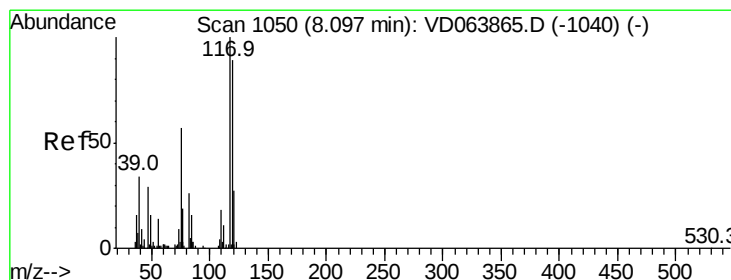
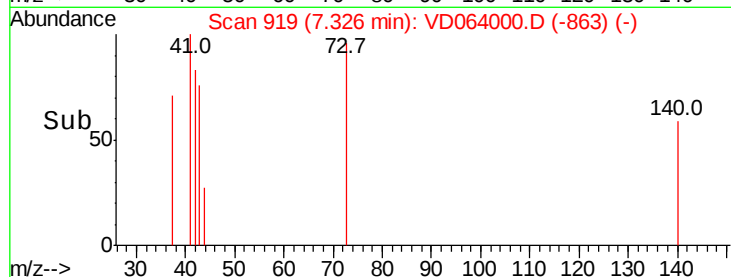
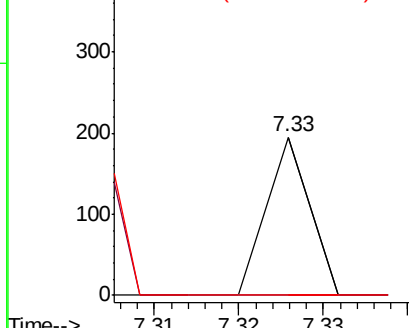
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.33 min Scan# 919
Delta R.T. 0.03 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

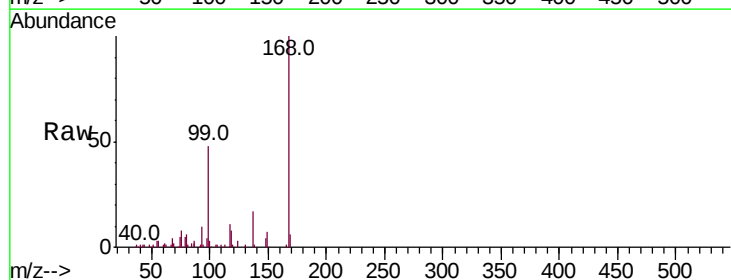


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

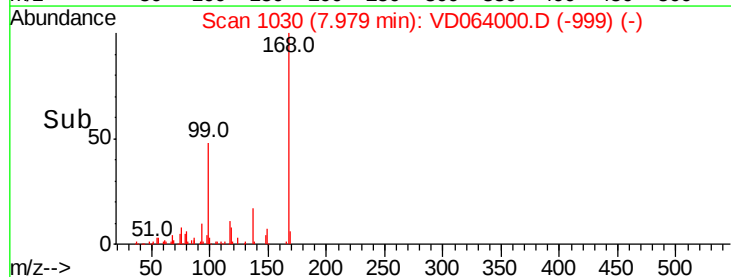
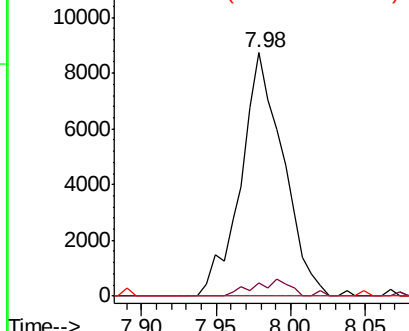


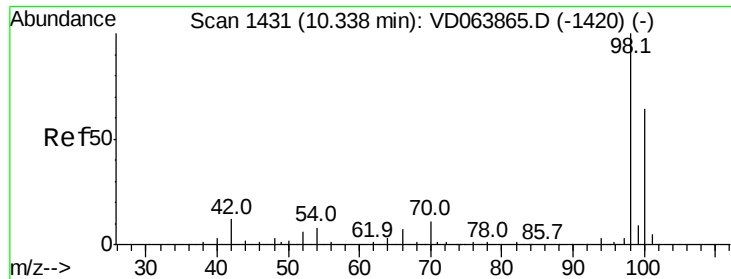
#38
Carbon Tetrachloride
Concen: 5.655 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

Tgt Ion: 117 Resp: 17163
Ion Ratio Lower Upper
117 100
119 5.6 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

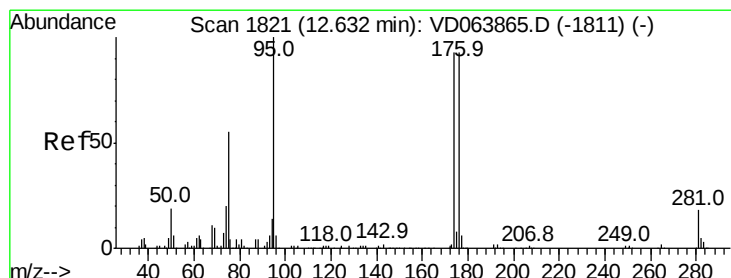
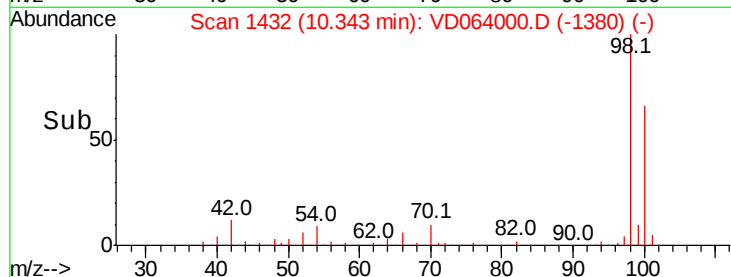
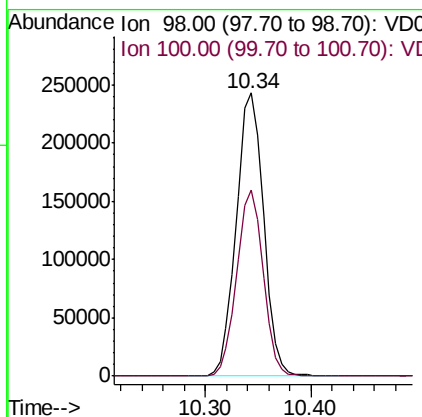
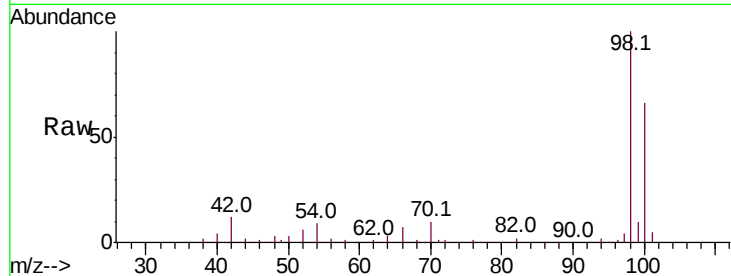




#50
Toluene-d8
Concen: 53.472 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

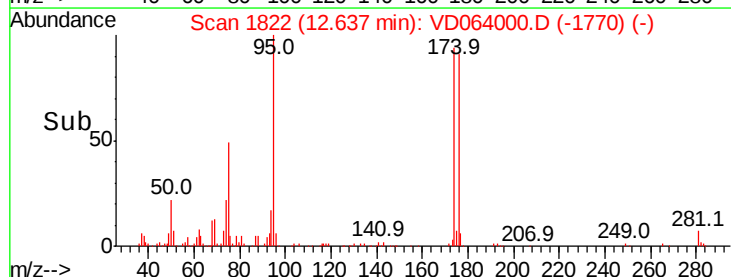
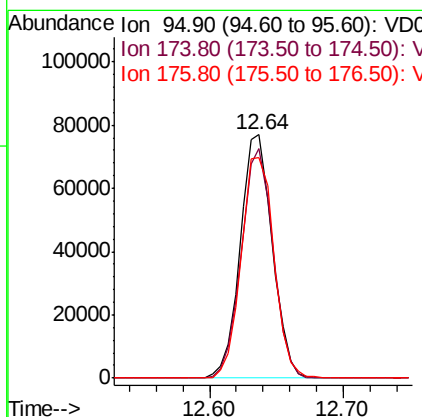
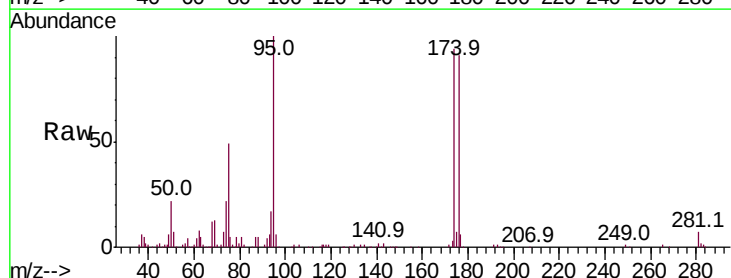
Instrument :
MSVOA_D
ClientSampled :

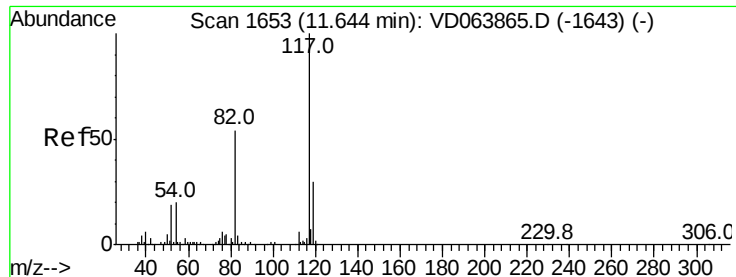
Tot Ion: 98 Resp: 435700
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.097 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064000.D
Acq: 17 Oct 2019 15:45

Tgt Ion: 95 Resp: 127694
Ion Ratio Lower Upper
95 100
174 92.9 0.0 186.4
176 92.4 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

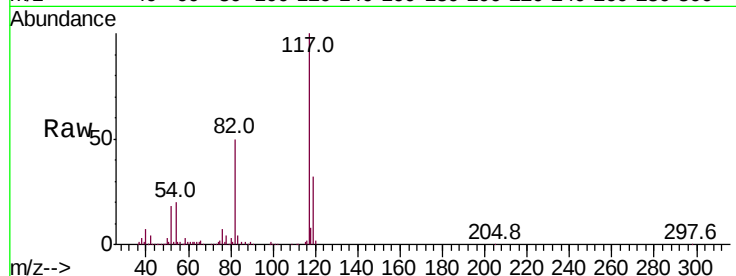
Tot Ion:117 Resp: 326990

Ion Ratio Lower Upper

117 100

82 49.8 42.8 64.2

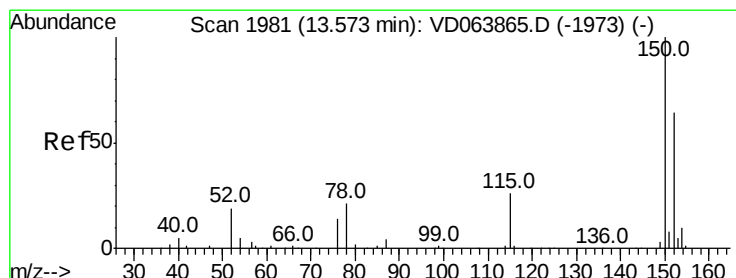
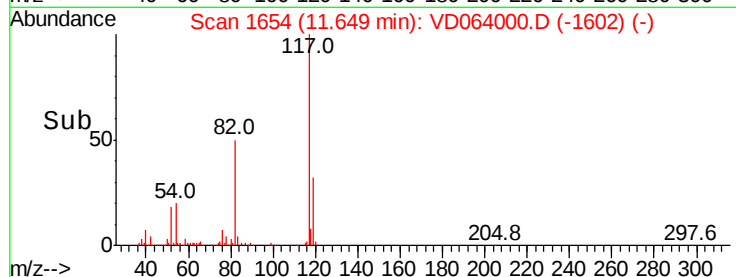
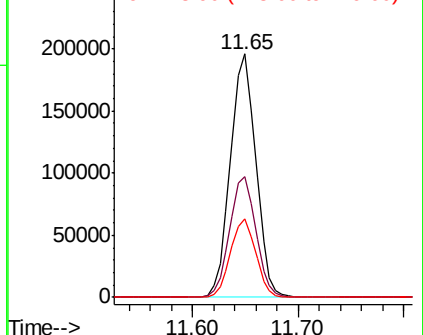
119 32.1 24.4 36.6



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: VD064000.D

Acq: 17 Oct 2019 15:45

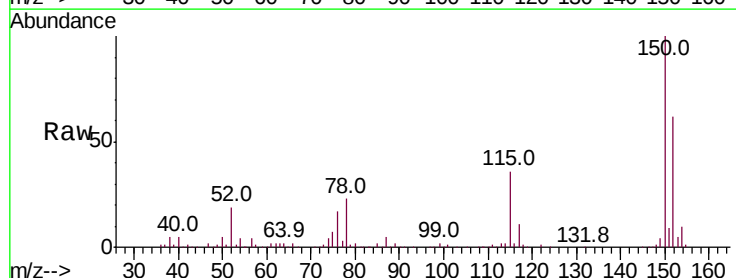
Tgt Ion:152 Resp: 145555

Ion Ratio Lower Upper

152 100

115 55.5 25.9 77.7

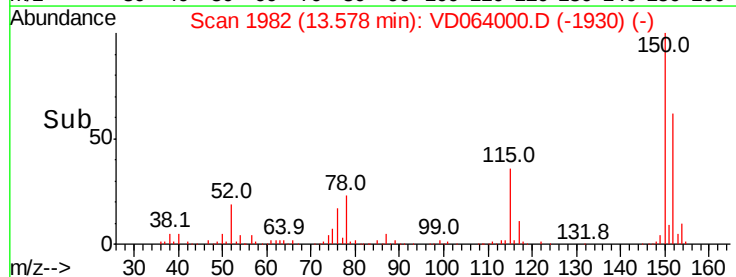
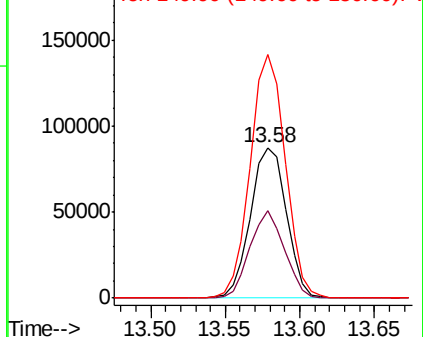
150 157.5 0.0 344.2

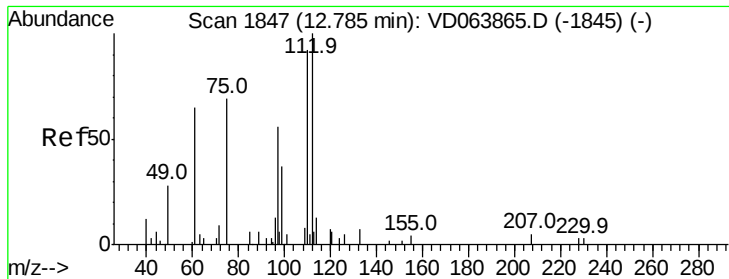


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 69.102 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

Instrument :

MSVOA_D

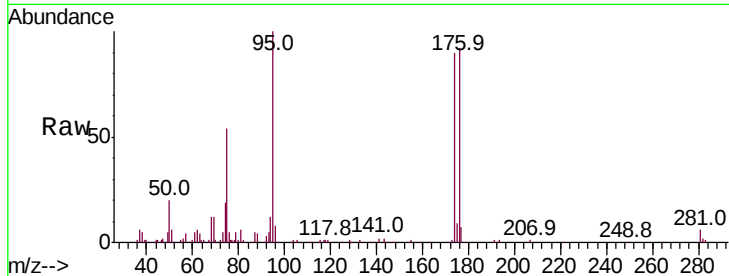
ClientSampleId :

Tot Ion: 75 Resp: 67367

Ion Ratio Lower Upper

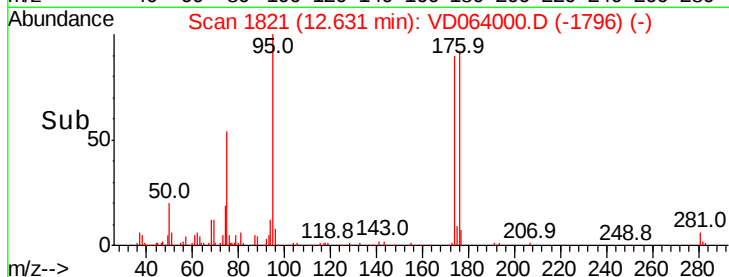
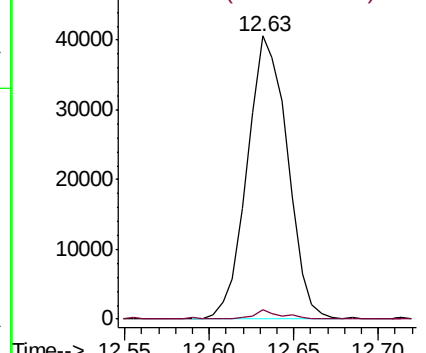
75 100

77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 122.283 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

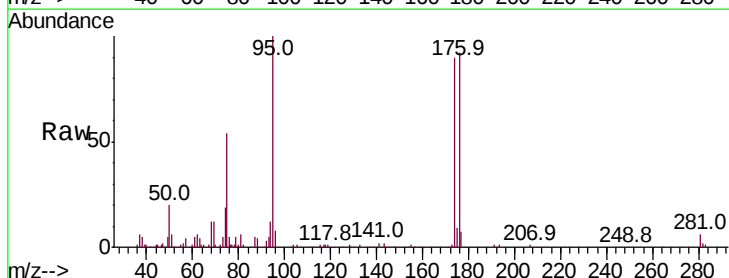
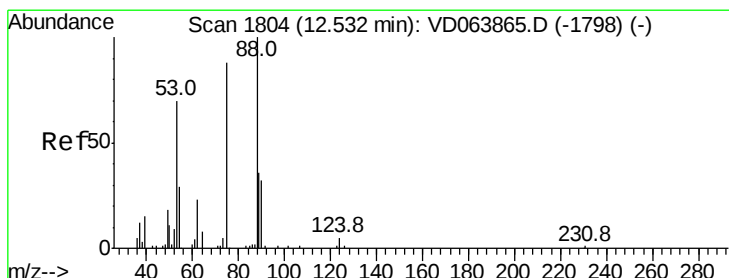
Tgt Ion: 75 Resp: 67367

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

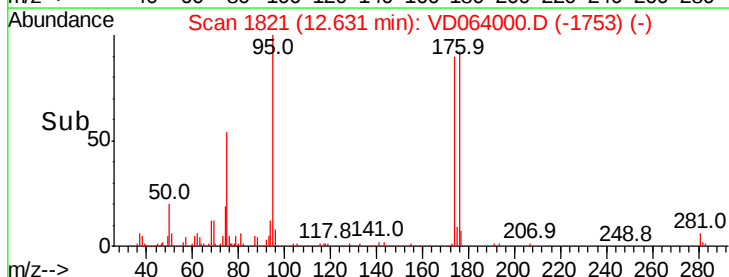
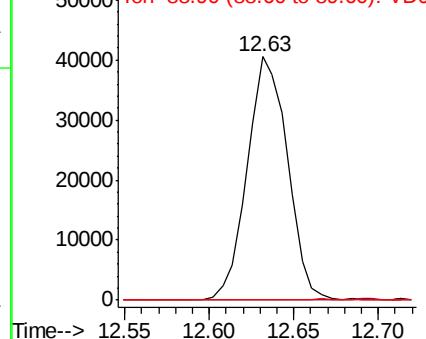
89 0.0 38.2 57.4#

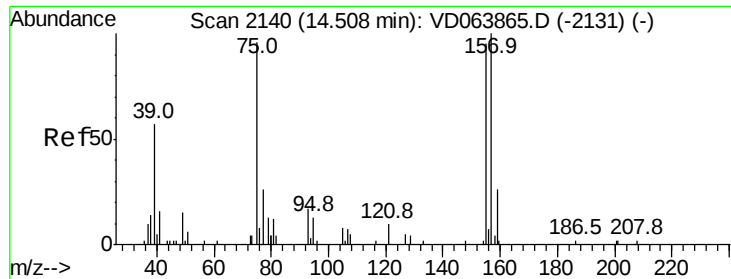


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.43 min Scan# 2127

Delta R.T. -0.08 min

Lab File: VD064000.D

Acq: 17 Oct 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

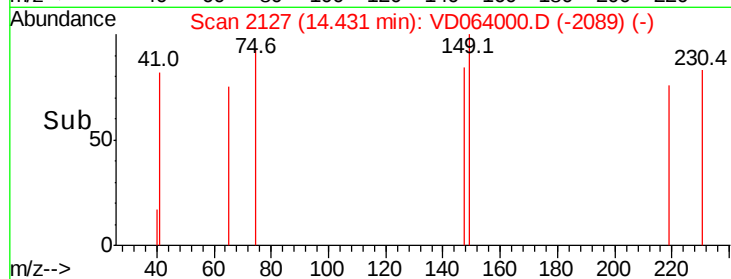
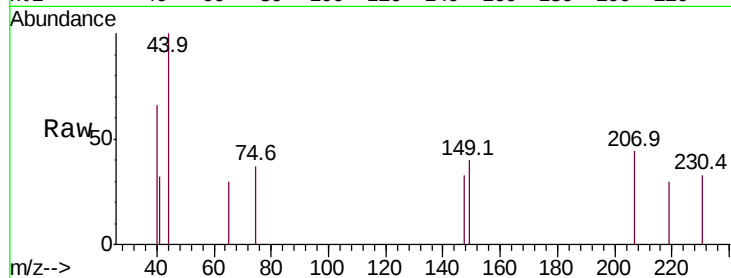
Tot Ion: 75 Resp: 67

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

