

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064024.D
 Acq On : 23 Oct 2019 16:47
 Operator : VA/SY
 Sample : K5497-08
 Misc : 5.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:58:49 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	7.99	168	148976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	298688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	305774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144778	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	91001	62.74	ug/l	0.00
Spiked Amount			Recovery	=	125.48%	
35) Dibromofluoromethane	7.92	113	92896	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.34	98	399233	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.64	95	118875	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

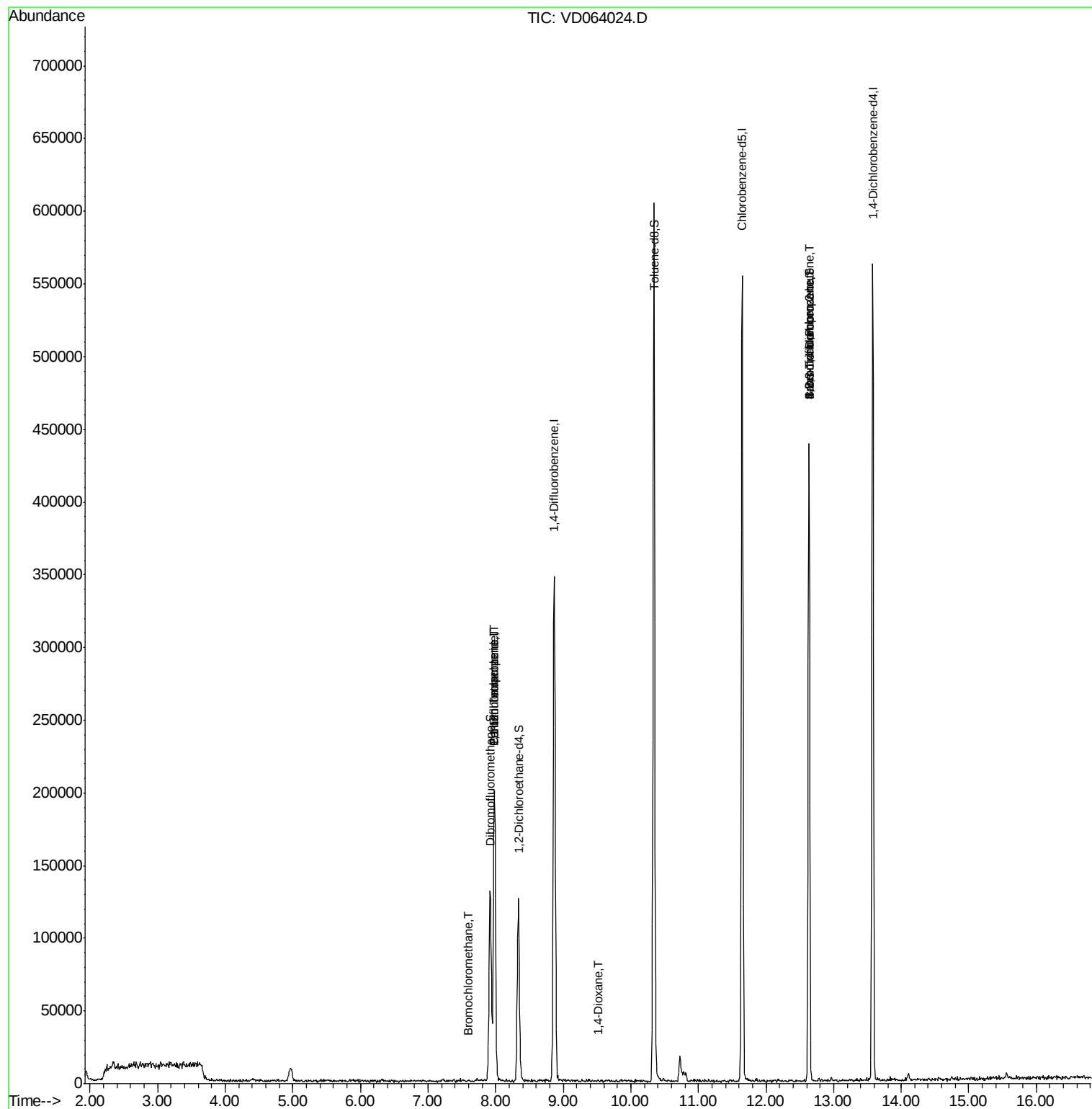
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	374	Below Cal	#	40
11) Tert butyl alcohol	5.29	59	94	Below Cal	#	1
28) Bromochloromethane	7.60	49	70	1.932	ug/l #	10
31) Cyclohexane	8.00	56	4614	Below Cal	#	75
36) 1,1-Dichloropropene	7.99	75	11924	4.366	ug/l #	50
37) Ethyl Acetate	7.29	43	74	Below Cal	#	68
38) Carbon Tetrachloride	7.97	117	15900	5.761	ug/l #	18
49) 1,4-Dioxane	9.51	88	58	3.895	ug/l #	7
71) Bromoform	12.63	173	1364	1.123	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	64445	66.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	64445	117.607	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.52	75	244	Below Cal	#	1

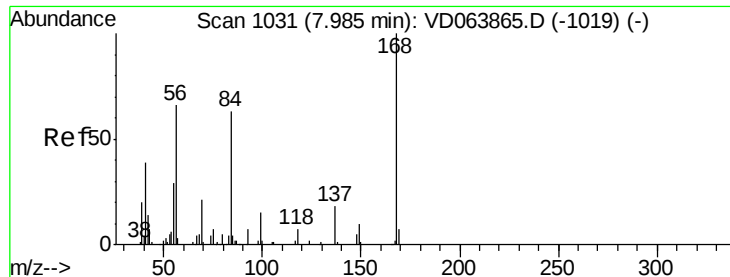
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
Data File : VD064024.D
Acq On : 23 Oct 2019 16:47
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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: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

Instrument :

MSVOA_D

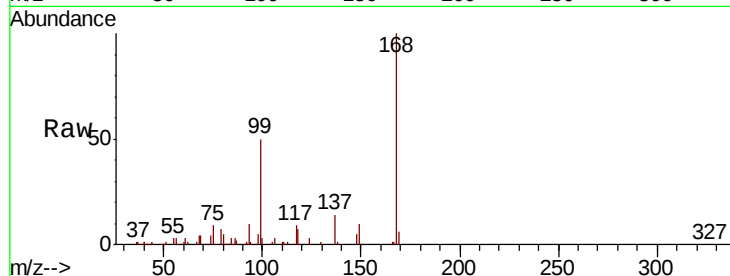
ClientSampleId :

Tot Ion:168 Resp: 148976

Ion Ratio Lower Upper

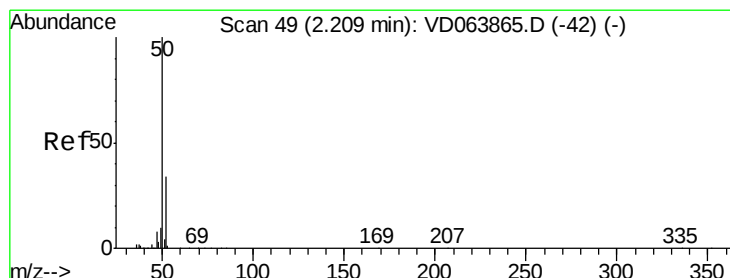
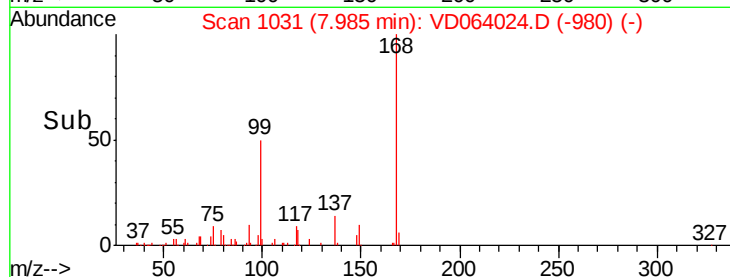
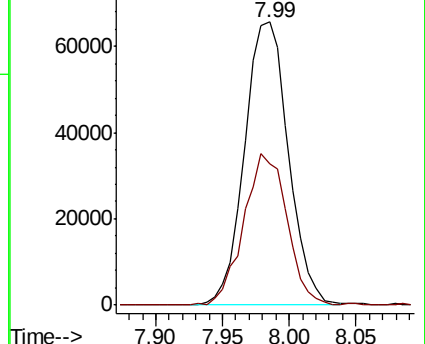
168 100

99 50.0 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# 50

Delta R.T. 0.01 min

Lab File: VD064024.D

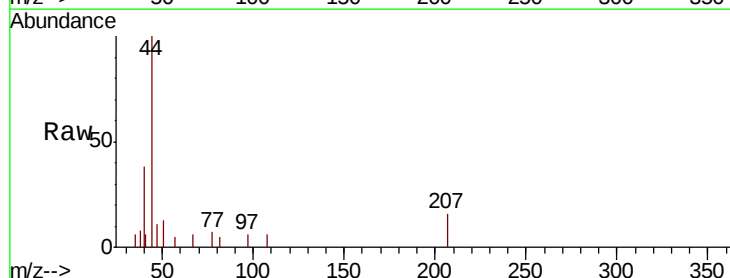
Acq: 23 Oct 2019 16:47

Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

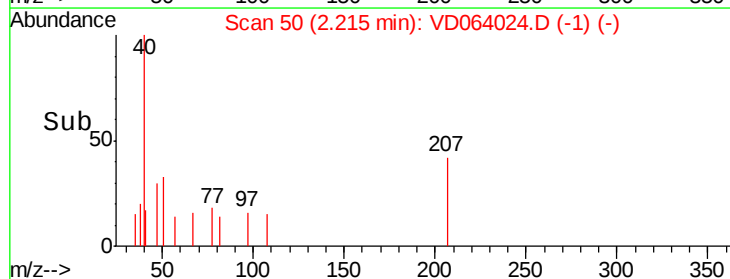
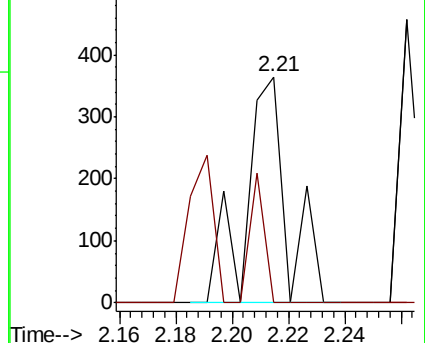
50 100

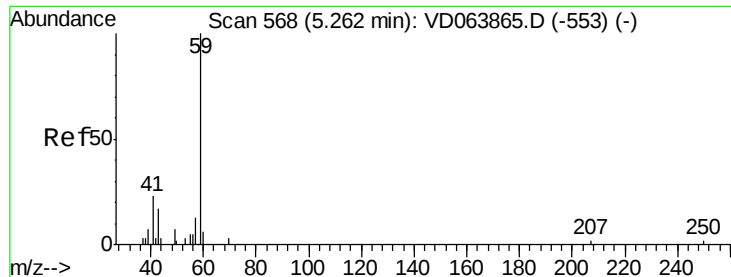
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



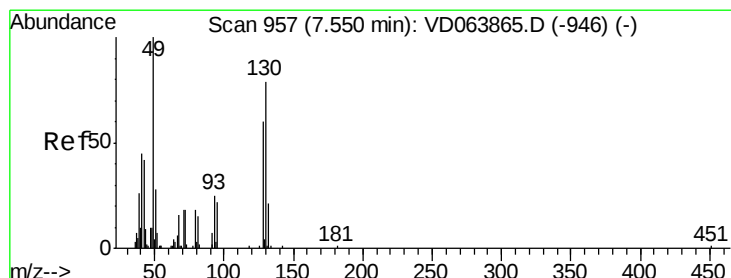
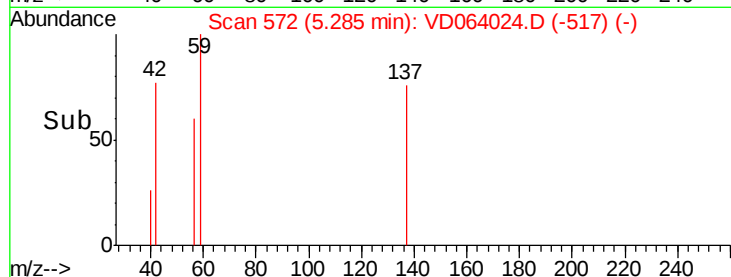
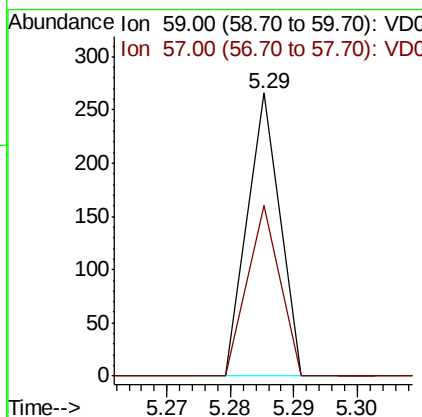
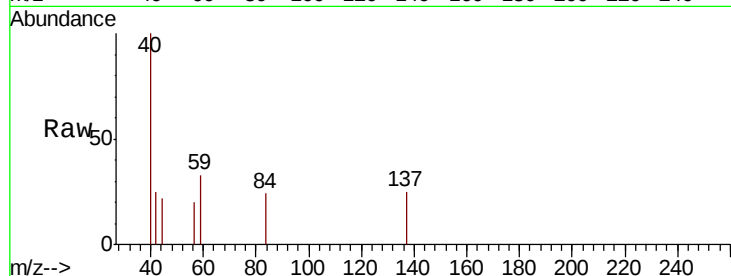


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.29 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD064024.D
 Acq: 23 Oct 2019 16:47

Instrument :
 MSVOA_D
 ClientSampled :

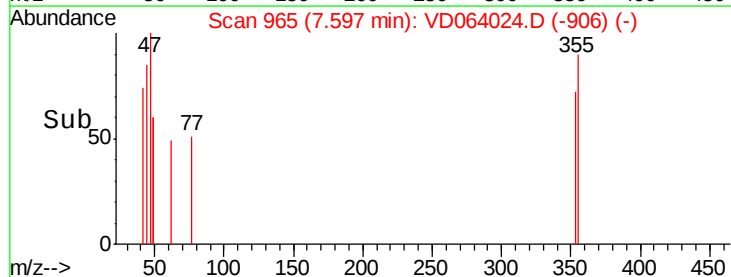
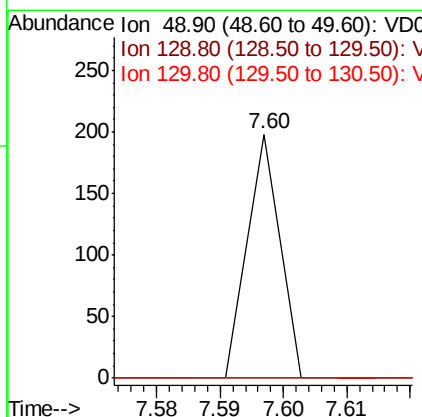
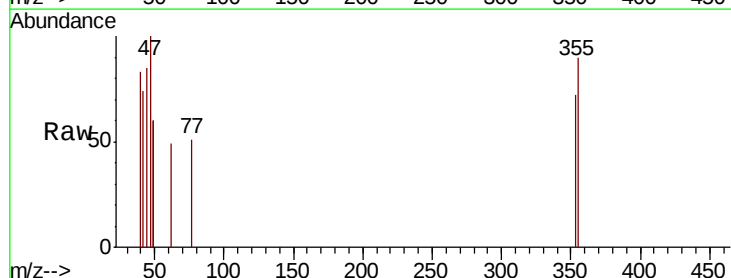
Tot Ion: 59 Resp: 94
 Ion Ratio Lower Upper
 59 100
 57 59.6 8.8 13.2#

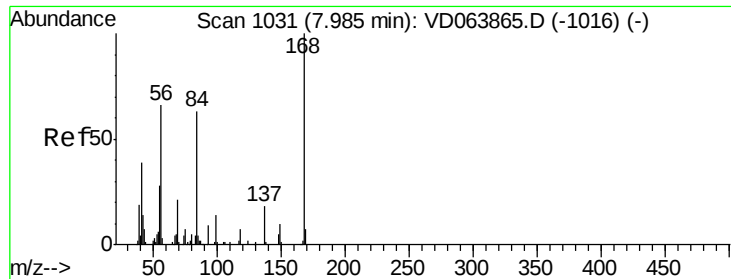


#28

Bromochloromethane
 Concen: 1.932 ug/l
 RT: 7.60 min Scan# 965
 Delta R.T. 0.05 min
 Lab File: VD064024.D
 Acq: 23 Oct 2019 16:47

Tgt Ion: 49 Resp: 70
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 66.8 100.2#

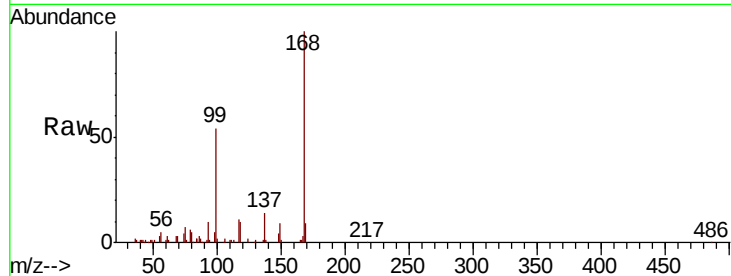




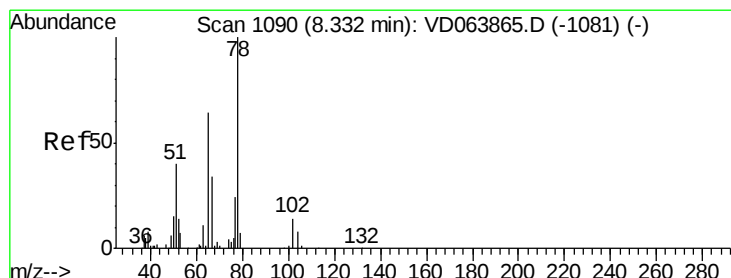
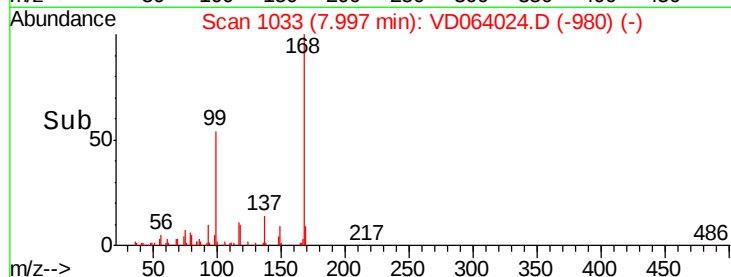
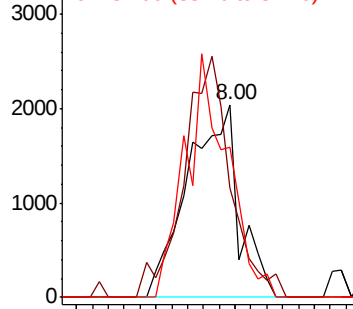
#31
Cyclohexane
Concen: Below Cal
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4614
Ion Ratio Lower Upper
56 100
69 56.5 25.0 37.4#
84 78.3 76.3 114.5

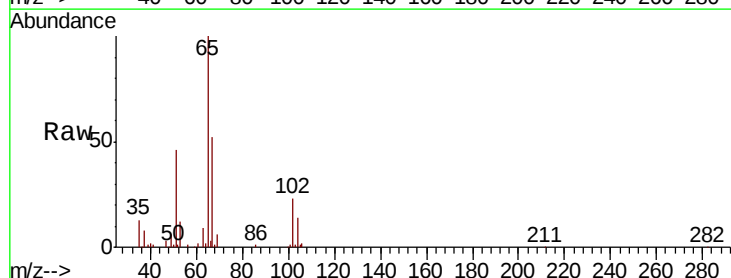


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

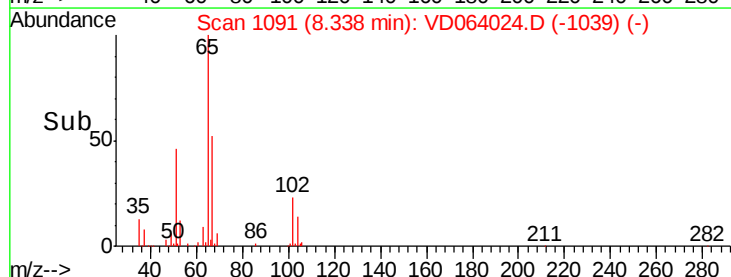
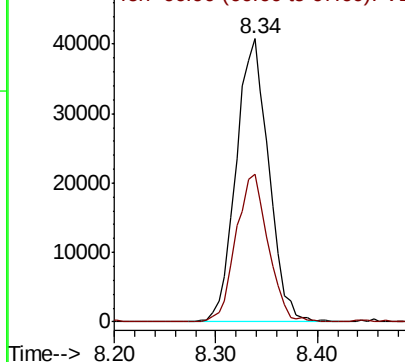


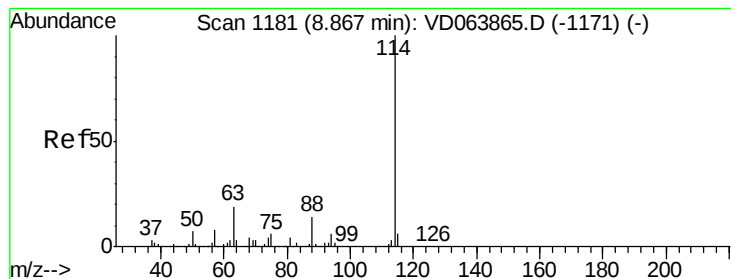
#33
1,2-Dichloroethane-d4
Concen: 62.742 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

Tgt Ion: 65 Resp: 91001
Ion Ratio Lower Upper
65 100
67 51.6 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: VD064024.D

Acq: 23 Oct 2019 16:47

Instrument :

MSVOA_D

ClientSampleId :

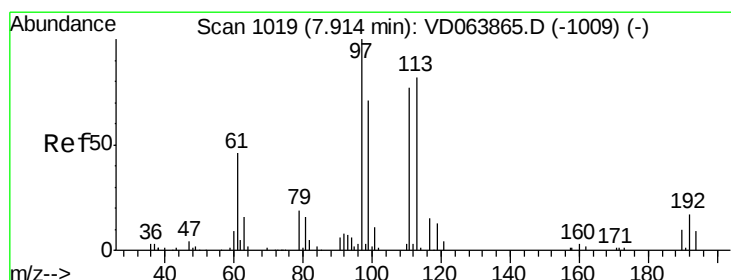
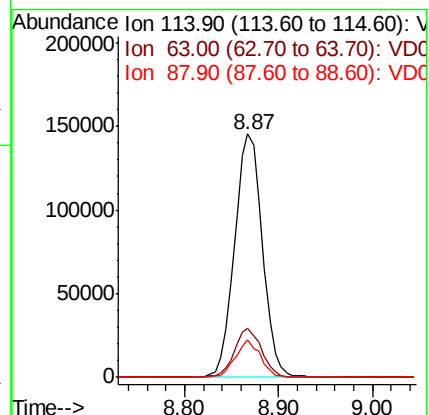
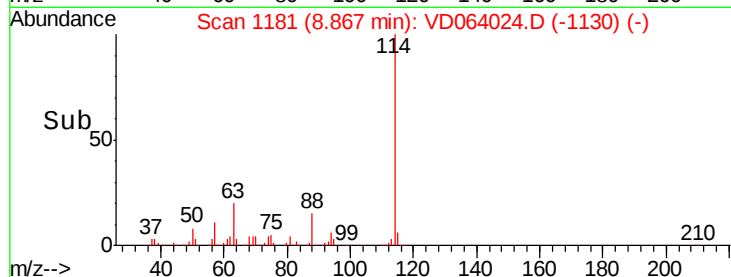
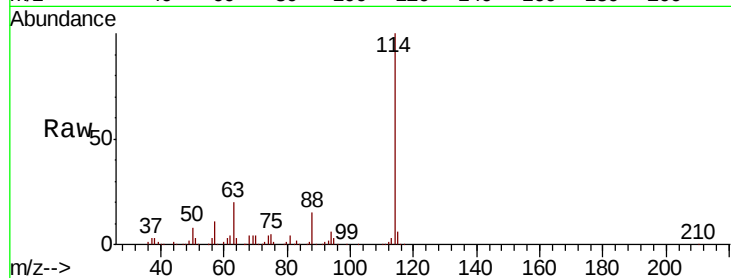
Tot Ion:114 Resp: 298688

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 15.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 50.891 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

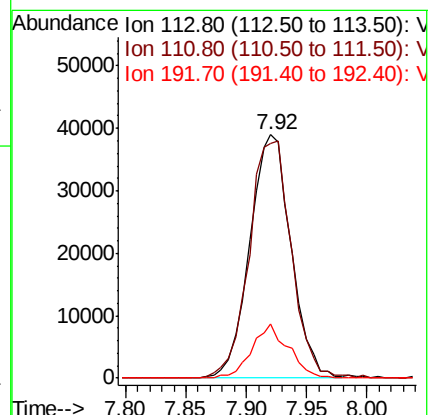
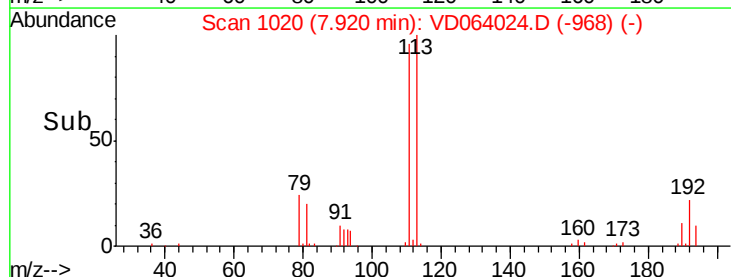
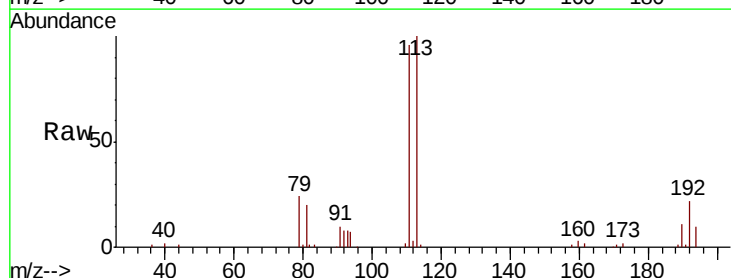
Tgt Ion:113 Resp: 92896

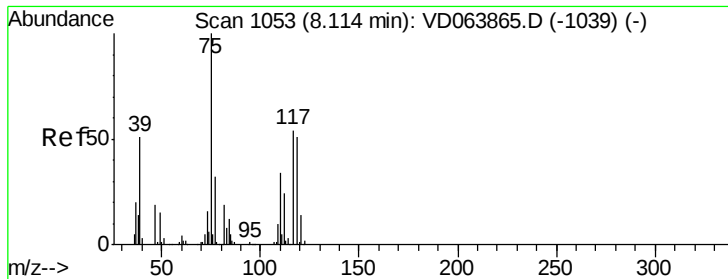
Ion Ratio Lower Upper

113 100

111 99.8 82.6 123.8

192 19.8 17.1 25.7





#36

1,1-Dichloropropene

Concen: 4.366 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

Instrument :

MSVOA_D

ClientSampleId :

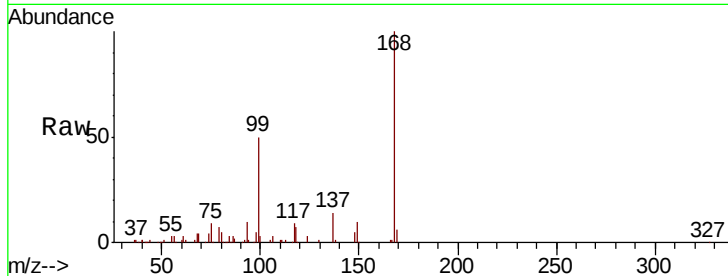
Tot Ion: 75 Resp: 11924

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

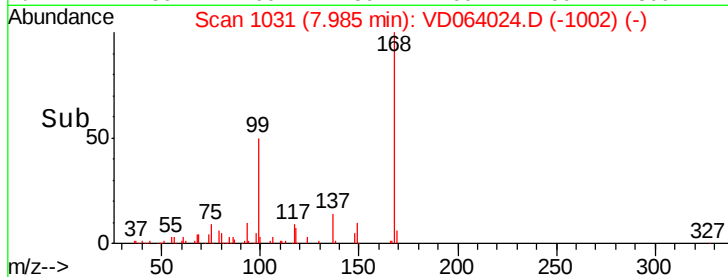
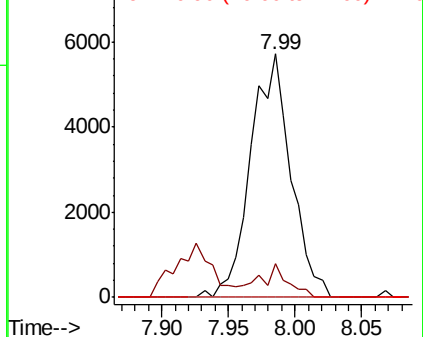
77 0.0 25.4 38.0#



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: 7.29 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

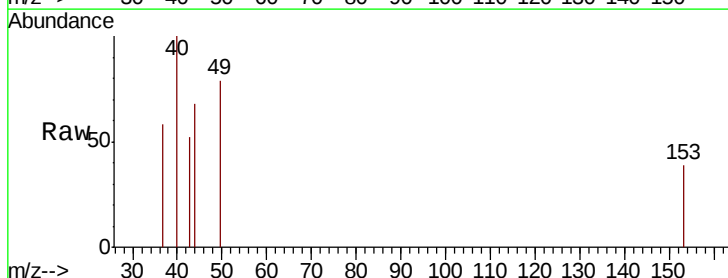
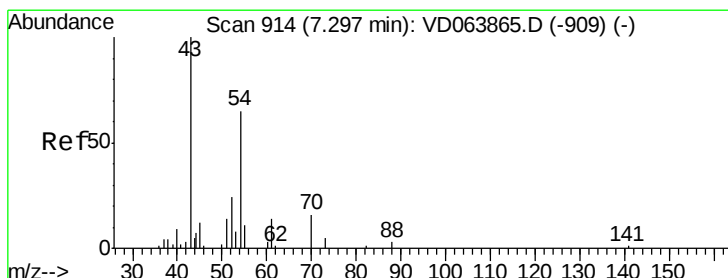
Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

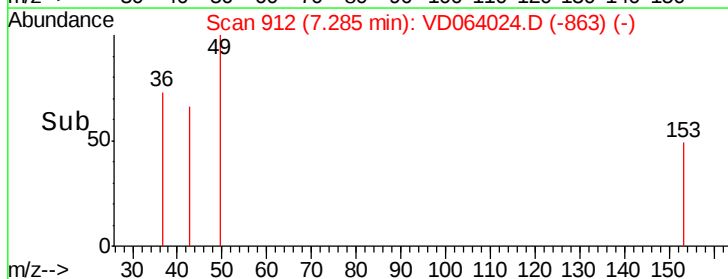
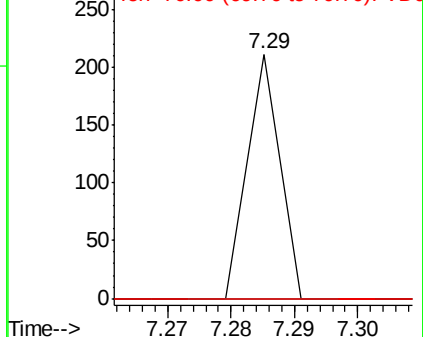
70 0.0 8.2 12.4#

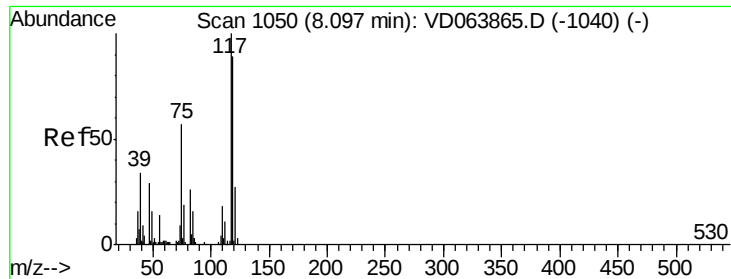


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

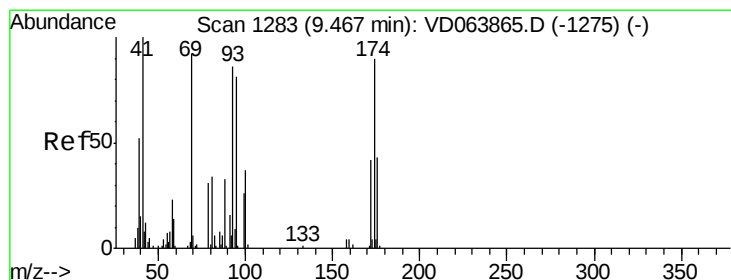
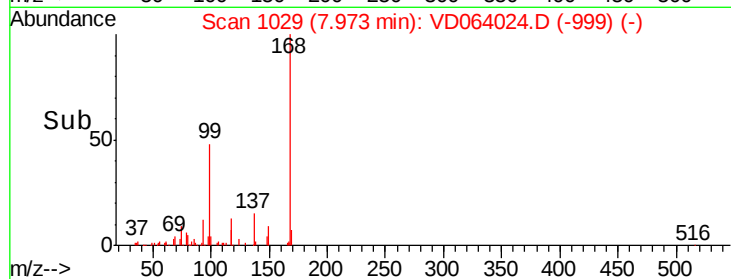
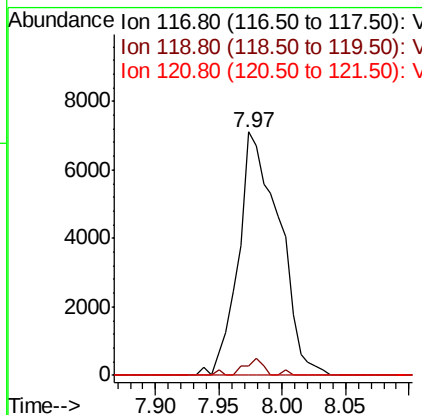
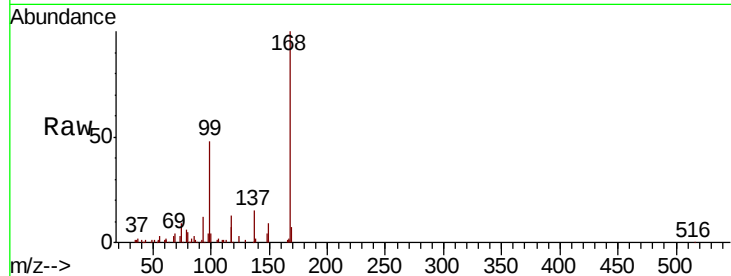




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

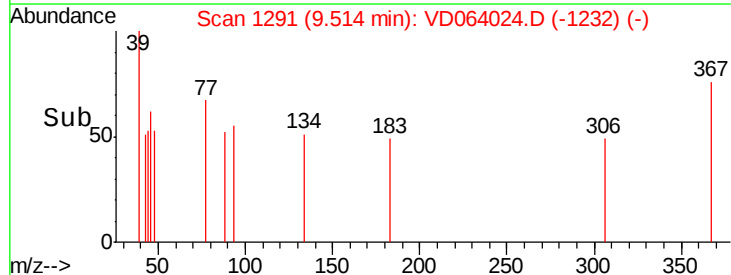
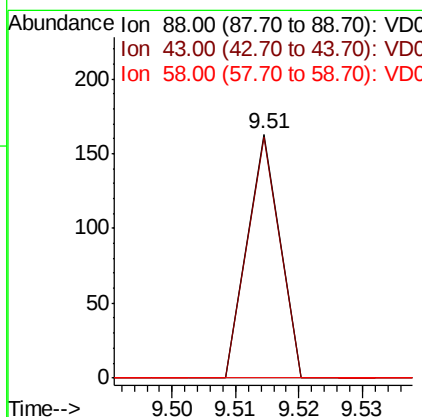
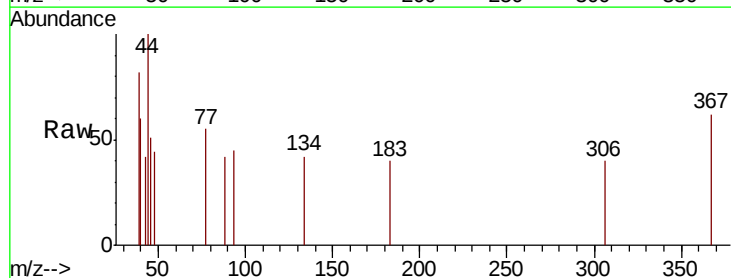
Instrument :
MSVOA_D
ClientSampleId :

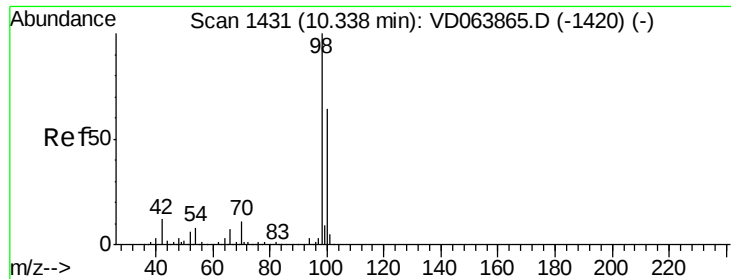
Tot Ion:117 Resp: 15900
Ion Ratio Lower Upper
117 100
119 4.0 70.8 106.2#
121 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 3.895 ug/l
RT: 9.51 min Scan# 1291
Delta R.T. 0.05 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 98.3 27.6 41.4#
58 0.0 54.1 81.1#

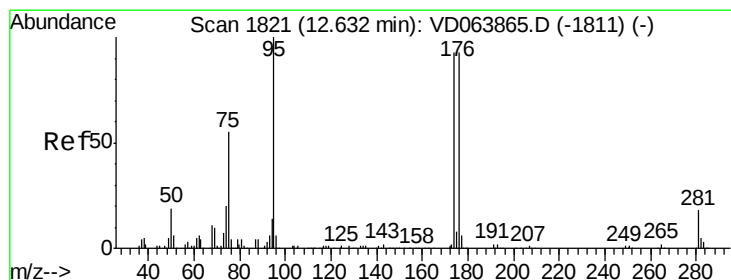
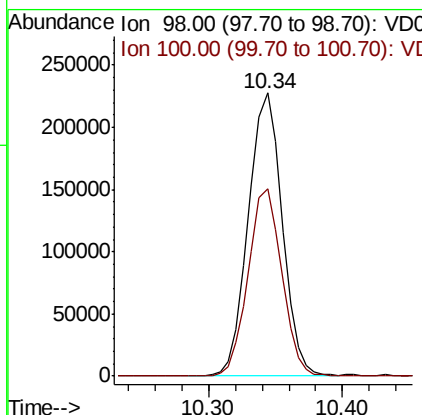
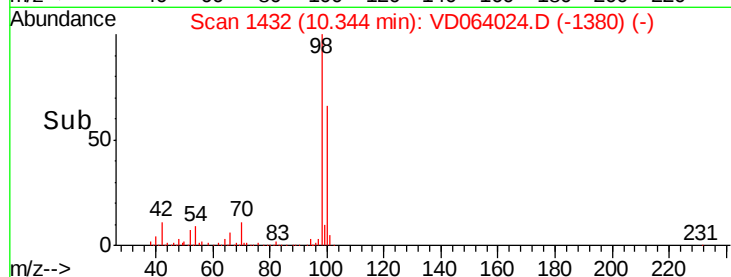
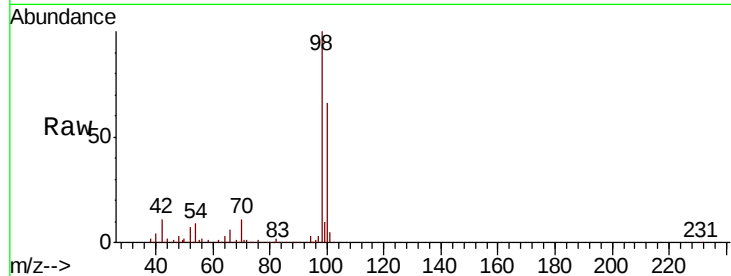




#50
Toluene-d8
Concen: 53.886 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

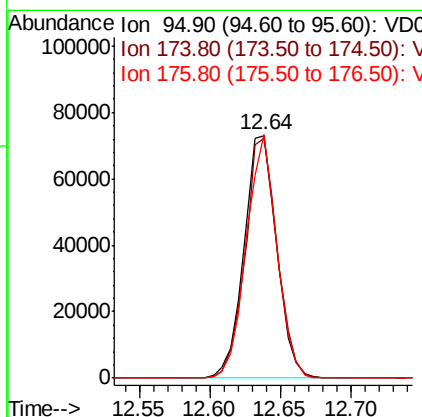
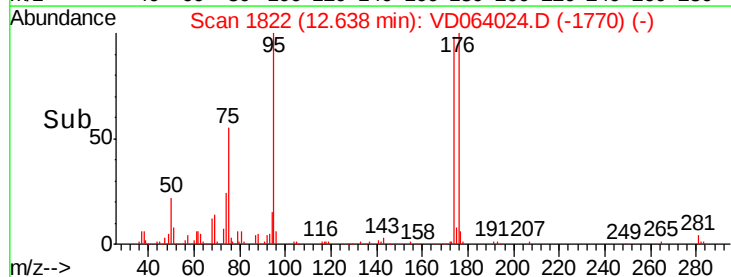
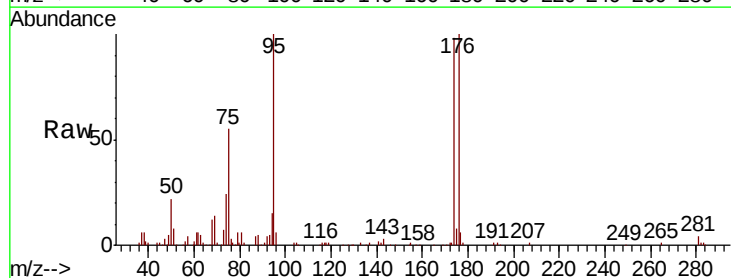
Instrument :
MSVOA_D
ClientSampled :

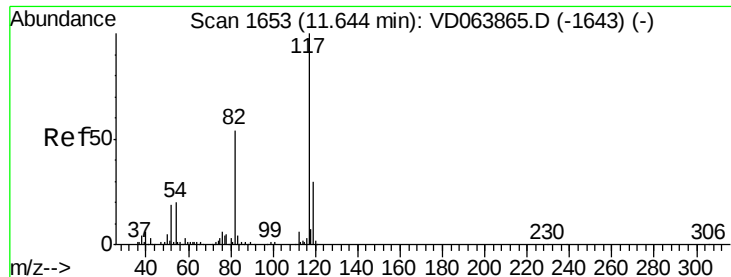
Tot Ion: 98 Resp: 399233
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.172 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

Tgt Ion: 95 Resp: 118875
Ion Ratio Lower Upper
95 100
174 96.8 0.0 186.4
176 93.6 0.0 184.2

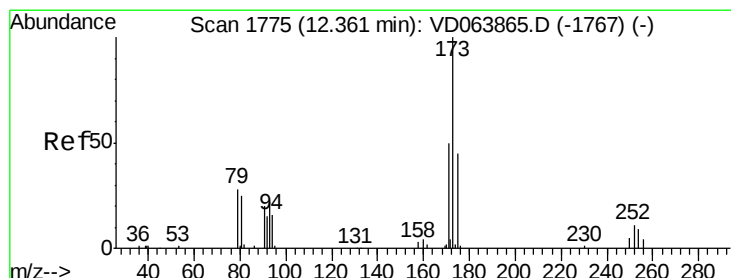
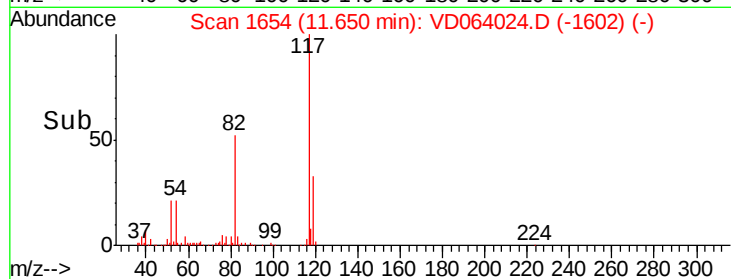
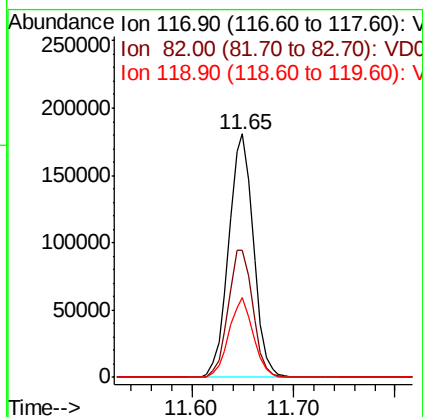
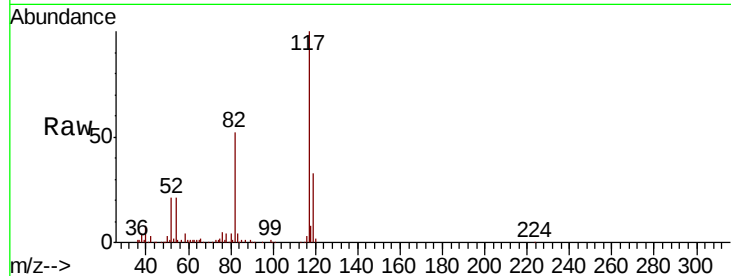




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

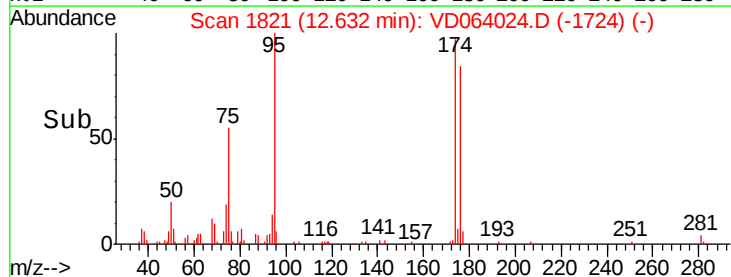
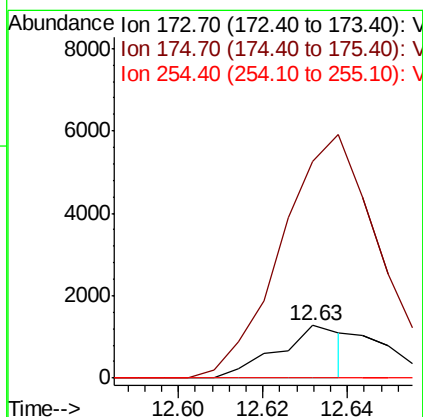
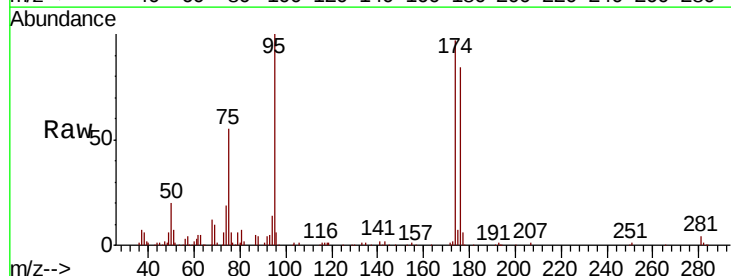
Instrument :
MSVOA_D
ClientSampleID :

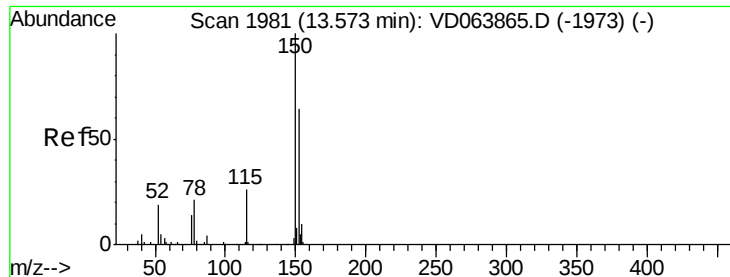
Tot Ion:117 Resp: 305774
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.9 24.4 36.6



#71
Bromoform
Concen: 1.123 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD064024.D
Acq: 23 Oct 2019 16:47

Tgt Ion:173 Resp: 1364
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

Instrument :

MSVOA_D

ClientSampleId :

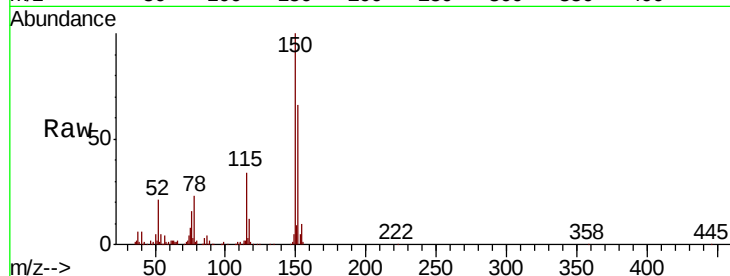
Tot Ion:152 Resp: 144778

Ion Ratio Lower Upper

152 100

115 52.8 25.9 77.7

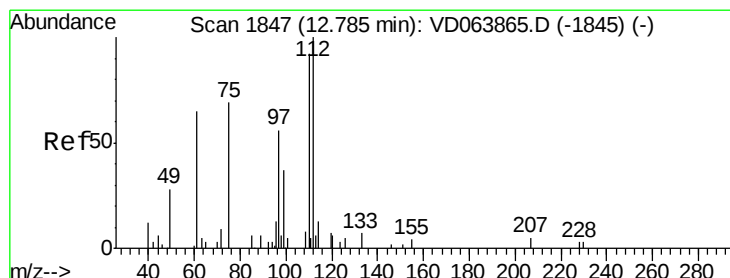
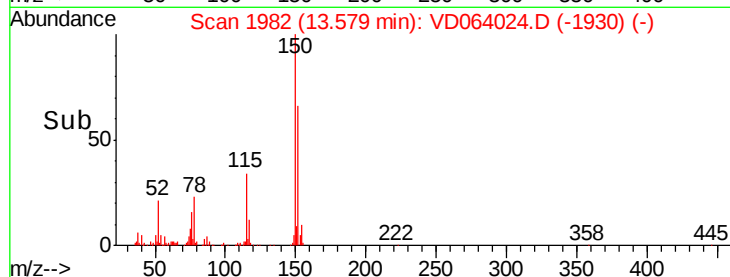
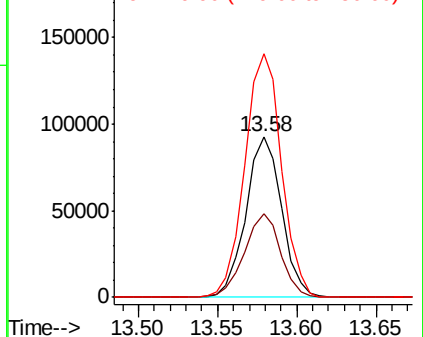
150 156.1 0.0 344.2



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: 66.460 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064024.D

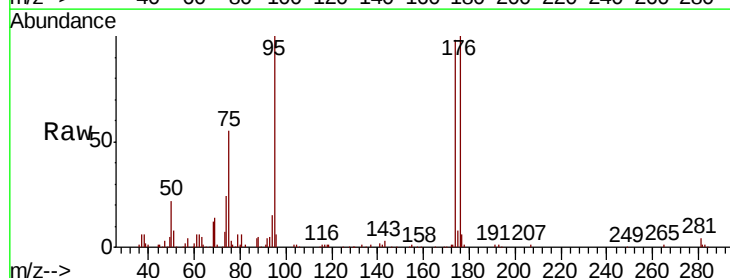
Acq: 23 Oct 2019 16:47

Tgt Ion: 75 Resp: 64445

Ion Ratio Lower Upper

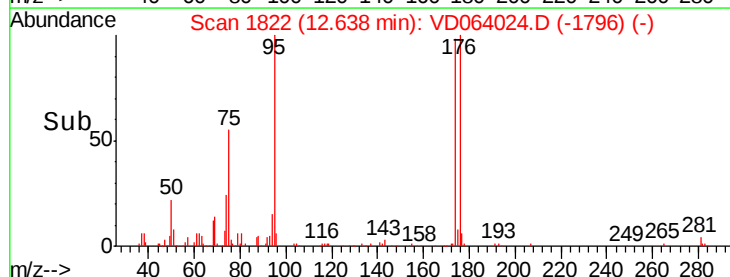
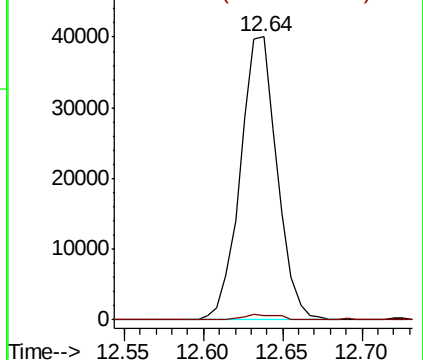
75 100

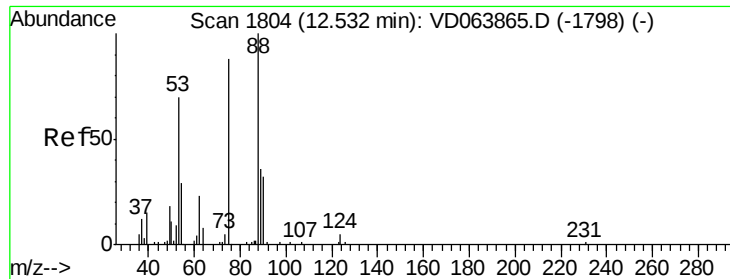
77 1.8 0.0 0.0#



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: 117.607 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

Instrument :

MSVOA_D

ClientSampleId :

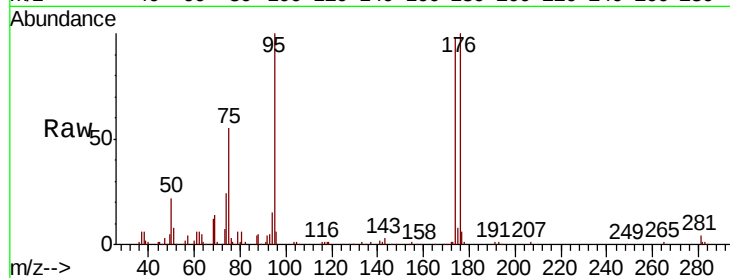
Tot Ion: 75 Resp: 64445

Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

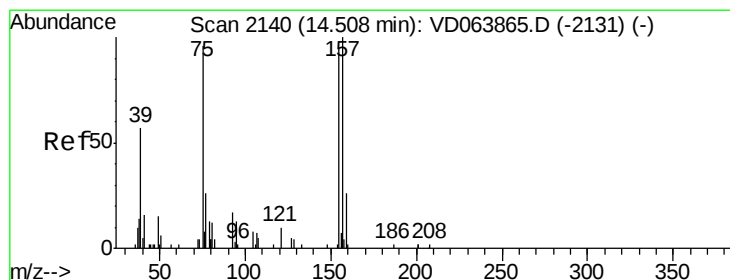
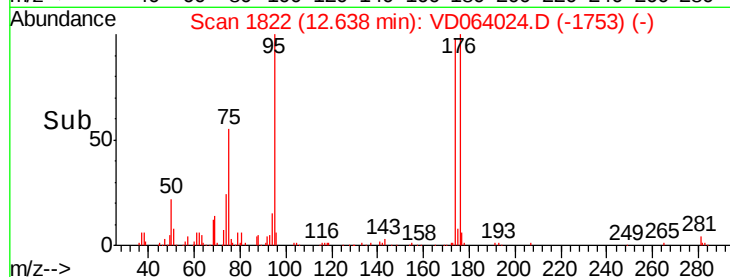
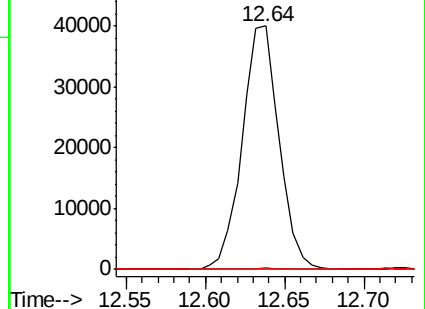
89 0.2 38.2 57.4#



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: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064024.D

Acq: 23 Oct 2019 16:47

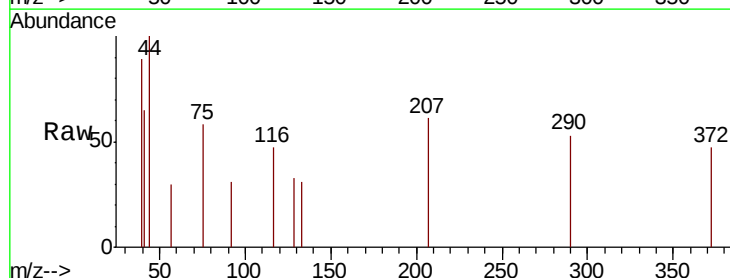
Tgt Ion: 75 Resp: 244

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

