

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064023.D
 Acq On : 23 Oct 2019 16:18
 Operator : VA/SY
 Sample : K5497-06
 Misc : 5.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:58:37 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	160229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	297477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	312297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143186	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	89263	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	
35) Dibromofluoromethane	7.92	113	91672	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.34	98	410280	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.63	95	121659	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

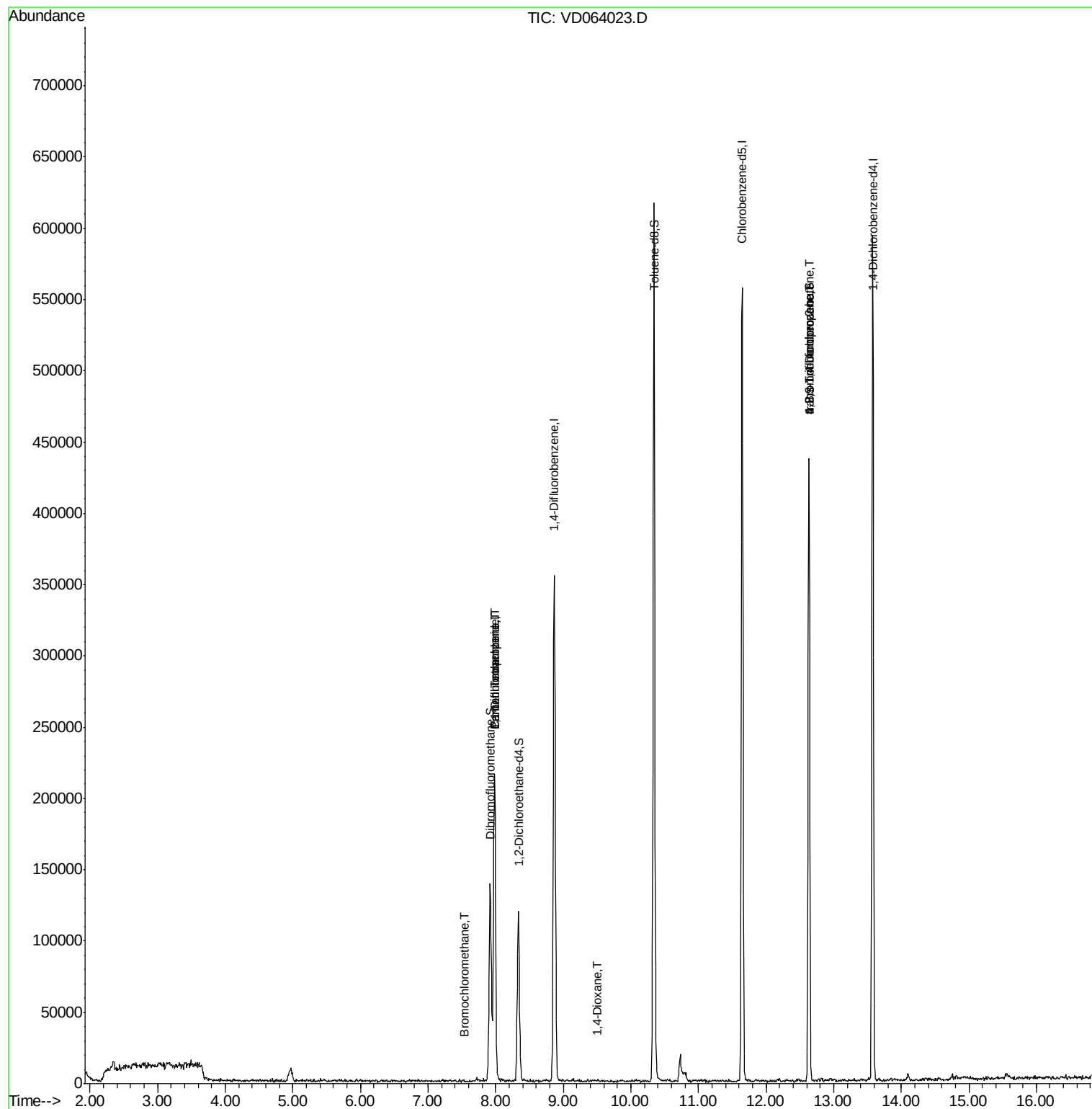
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	505	Below Cal		96
11) Tert butyl alcohol	5.24	59	61	Below Cal	#	1
20) Methylene Chloride	4.97	84	4025	Below Cal	#	92
28) Bromochloromethane	7.54	49	68	1.925 ug/l	#	10
31) Cyclohexane	7.98	56	4501	Below Cal	#	57
36) 1,1-Dichloropropene	7.98	75	11806	4.341 ug/l	#	52
37) Ethyl Acetate	7.28	43	60	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	15434	5.615 ug/l	#	21
49) 1,4-Dioxane	9.50	88	71	4.787 ug/l	#	10
76) 1,2,3-Trichloropropane	12.64	75	68899	71.843 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	68899	127.133 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	55	Below Cal	#	1

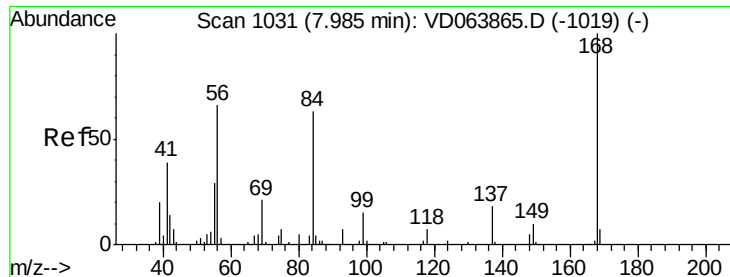
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
Data File : VD064023.D
Acq On : 23 Oct 2019 16:18
Operator : VA/SY
Sample : K5497-06
Misc : 5.44G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 24 05:58:37 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: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

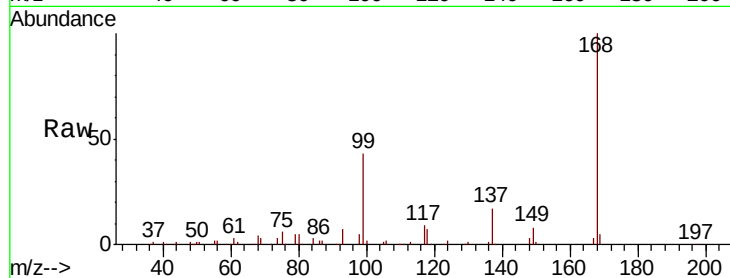
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 160229

Ion Ratio Lower Upper

168 100

99 43.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

80000

60000

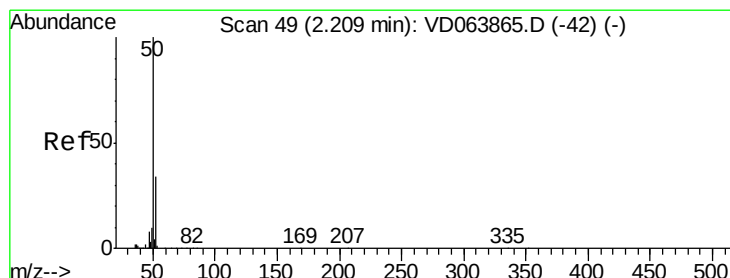
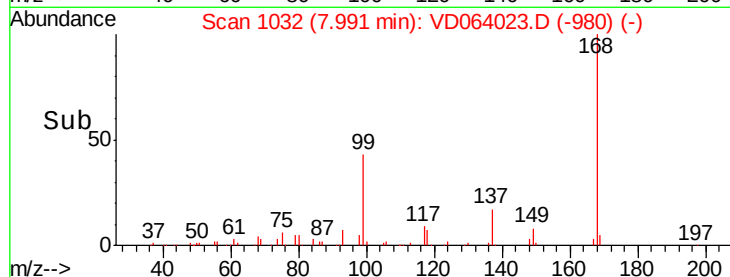
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064023.D

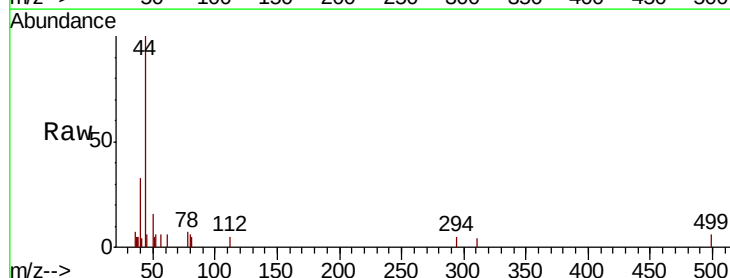
Acq: 23 Oct 2019 16:18

Tgt Ion: 50 Resp: 505

Ion Ratio Lower Upper

50 100

52 36.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

600

500

400

300

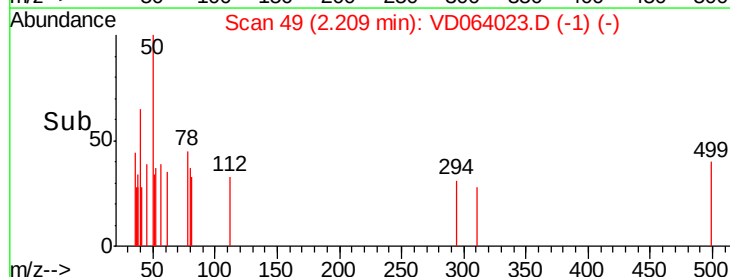
200

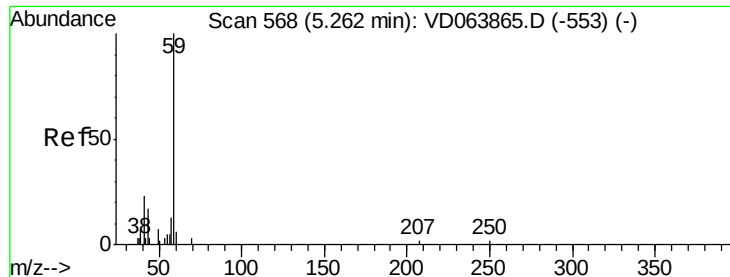
100

0

Time-->

2.18 2.20 2.22 2.24



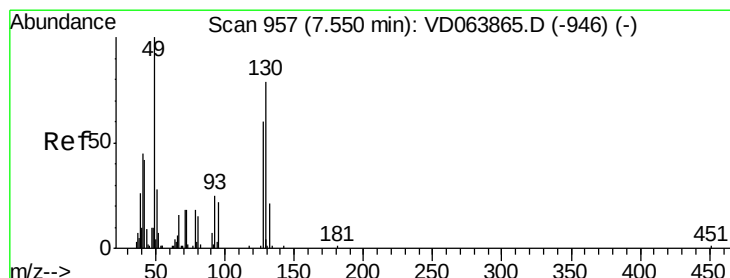
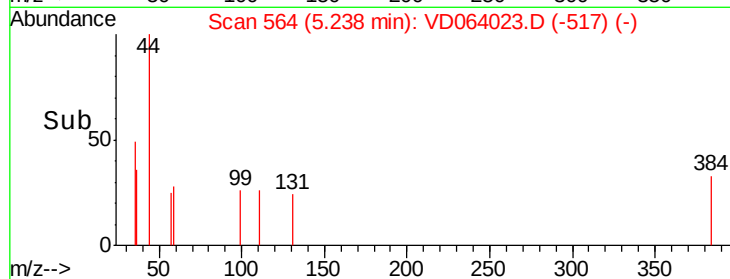
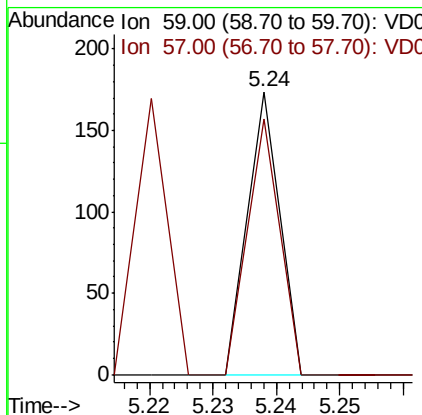
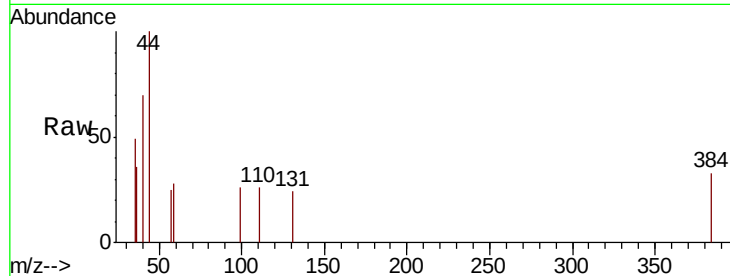


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD064023.D
 Acq: 23 Oct 2019 16:18

Instrument :
 MSVOA_D
 ClientSampleId :

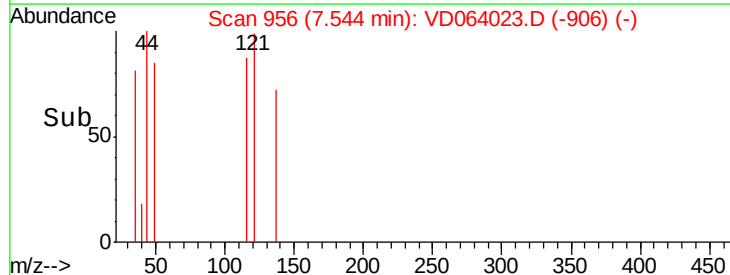
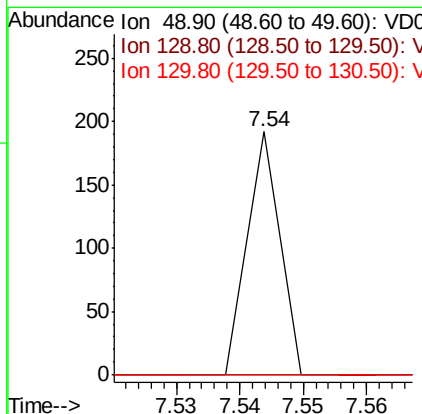
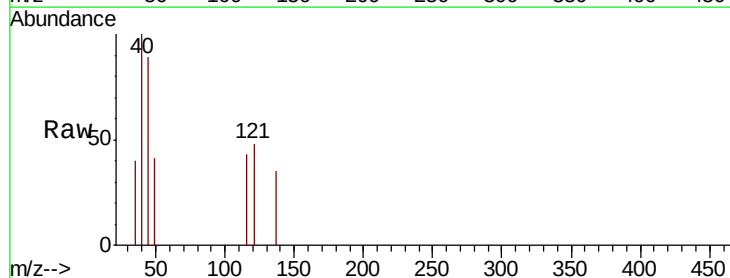
Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 90.2 8.8 13.2#

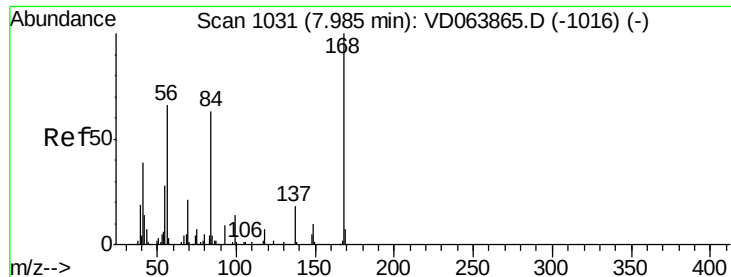


#28

Bromochloromethane
 Concen: 1.925 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064023.D
 Acq: 23 Oct 2019 16:18

Tgt Ion: 49 Resp: 68
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 66.8 100.2#

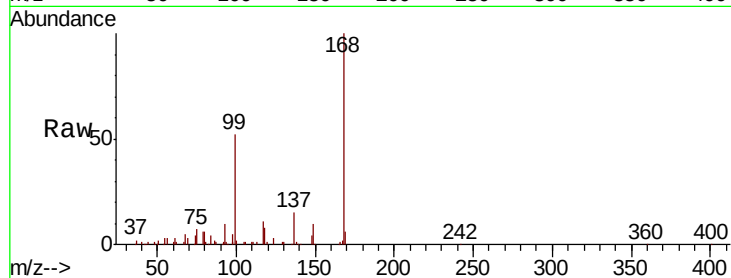




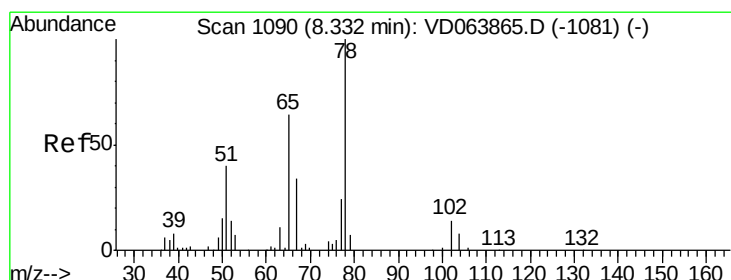
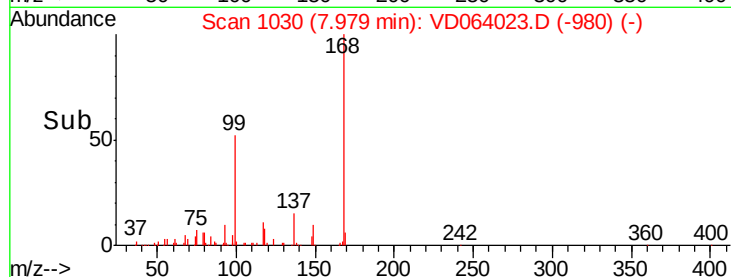
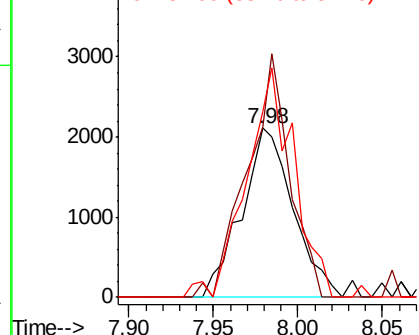
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4501
Ion Ratio Lower Upper
56 100
69 101.2 25.0 37.4#
84 110.1 76.3 114.5

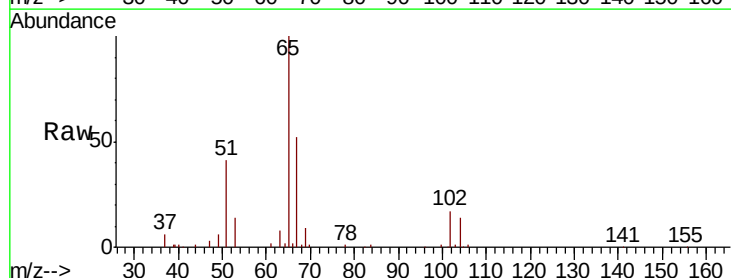


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

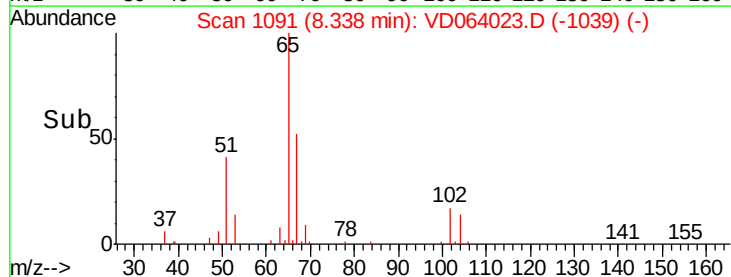
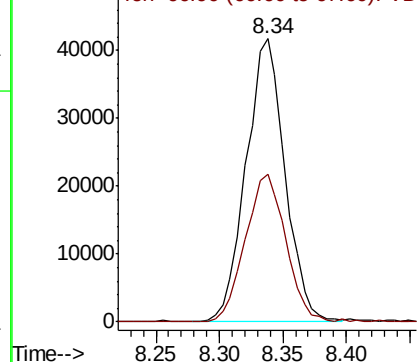


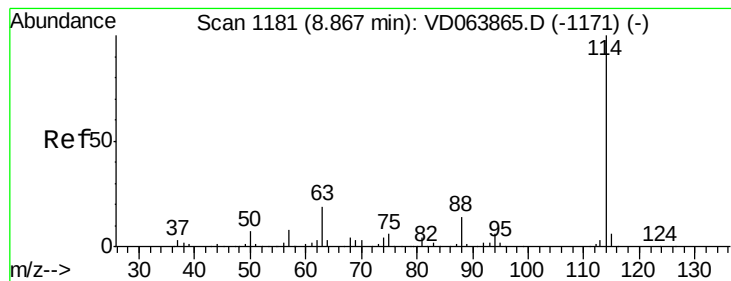
#33
1,2-Dichloroethane-d4
Concen: 57.222 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

Tgt Ion: 65 Resp: 89263
Ion Ratio Lower Upper
65 100
67 53.9 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: VD064023.D

Acq: 23 Oct 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

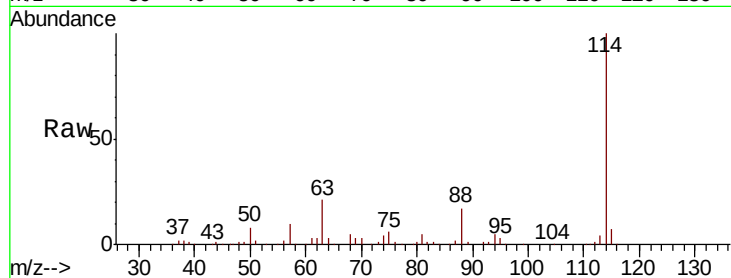
Tot Ion:114 Resp: 297477

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

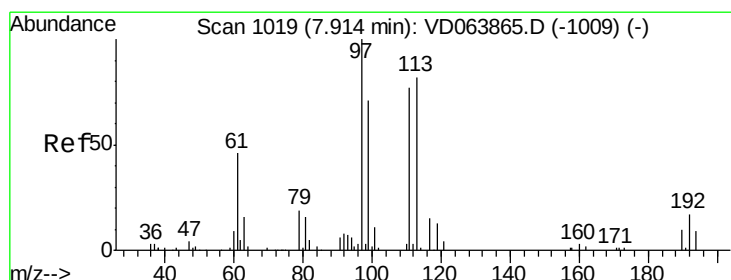
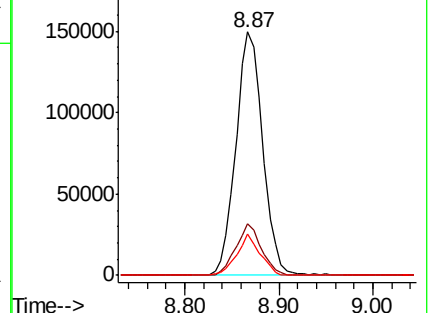
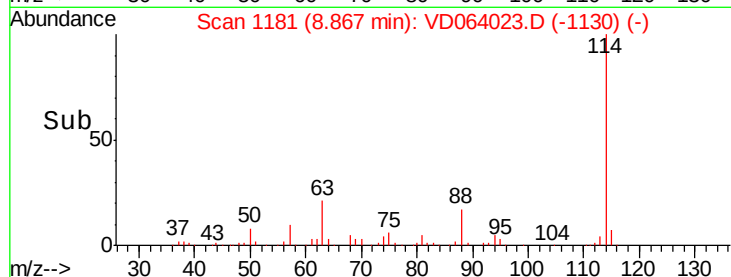
88 16.8 0.0 27.4



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: 50.425 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

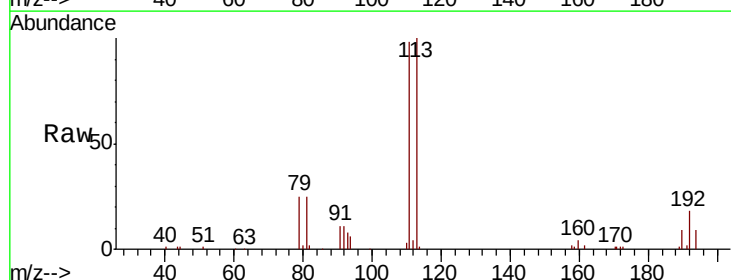
Tgt Ion:113 Resp: 91672

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

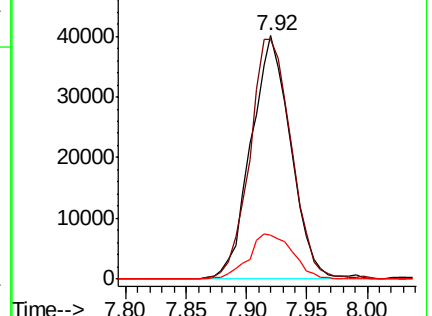
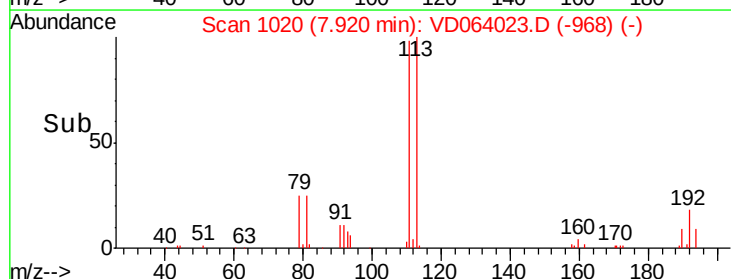
192 20.4 17.1 25.7

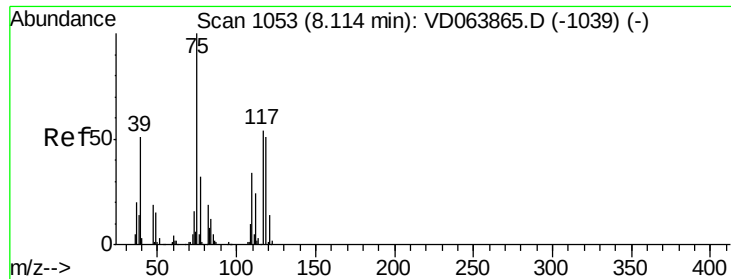


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

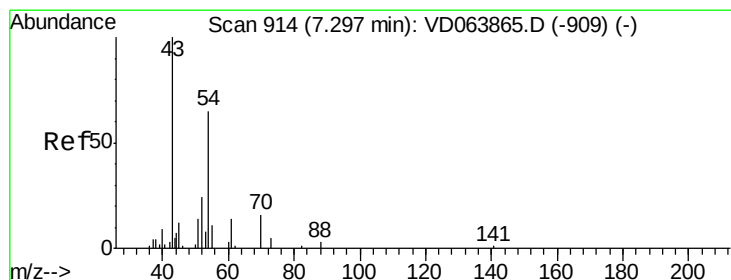
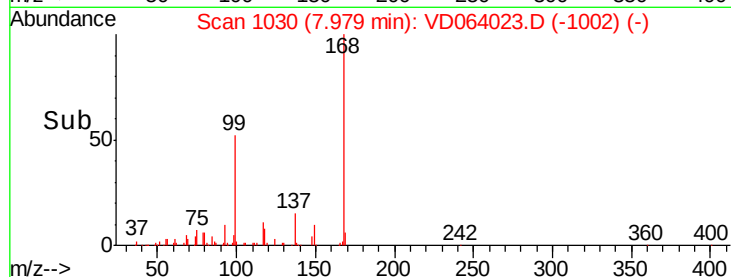
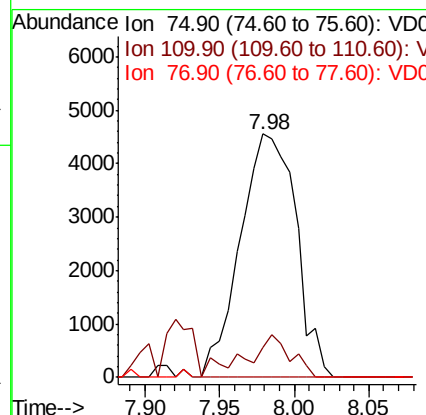
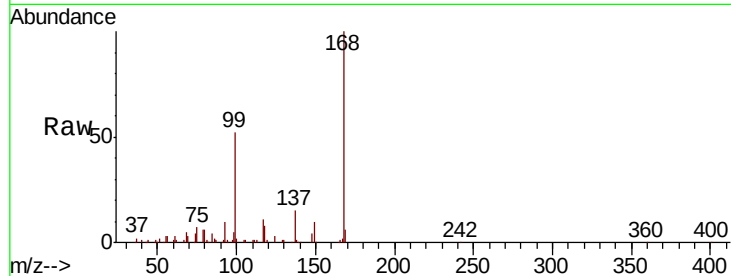




#36
 1,1-Dichloropropene
 Concen: 4.341 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064023.D
 Acq: 23 Oct 2019 16:18

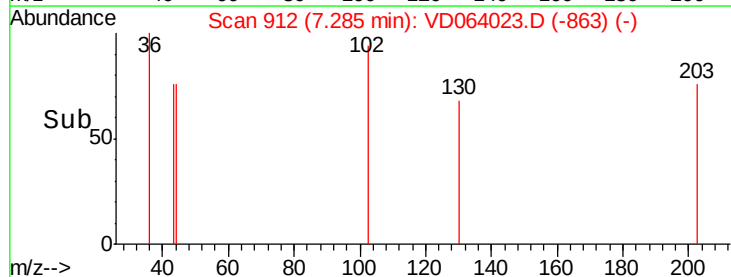
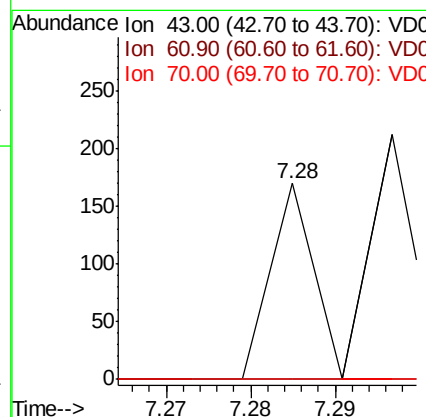
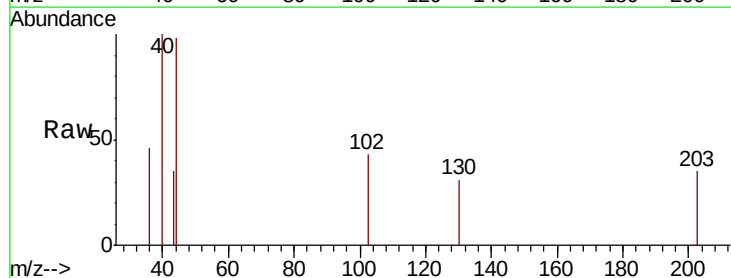
Instrument :
 MSVOA_D
 ClientSampleId :

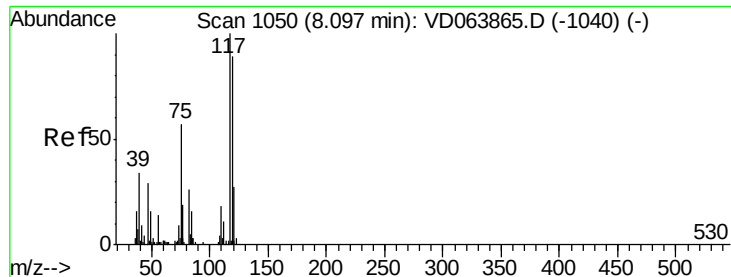
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.4	17.4	52.3#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.28 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD064023.D
 Acq: 23 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 5.615 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

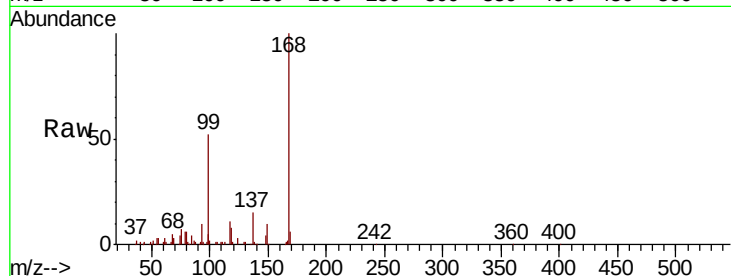
Tot Ion:117 Resp: 15434

Ion Ratio Lower Upper

117 100

119 7.1 70.8 106.2#

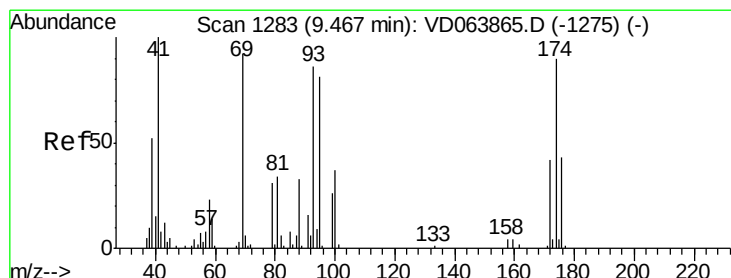
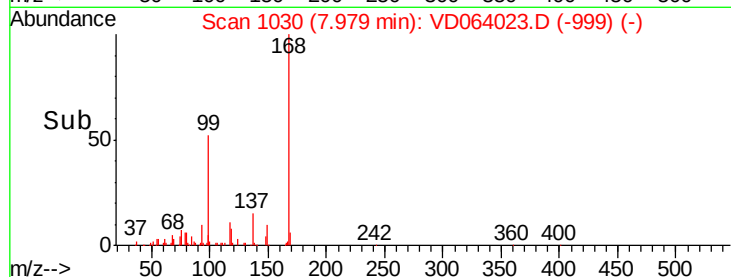
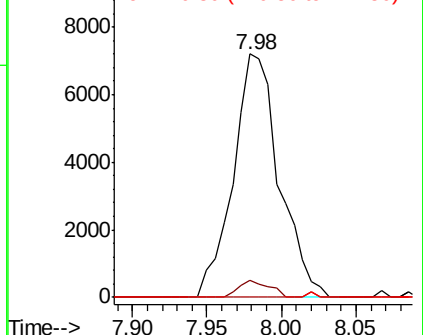
121 0.0 21.4 32.0#



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



#49

1,4-Dioxane

Concen: 4.787 ug/l

RT: 9.50 min Scan# 1289

Delta R.T. 0.04 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

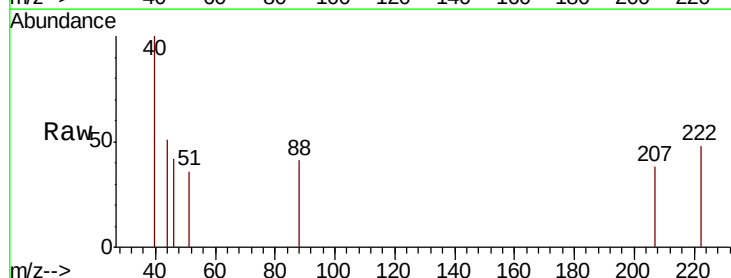
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 93.0 27.6 41.4#

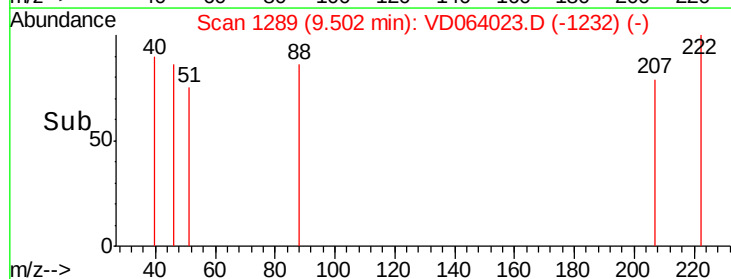
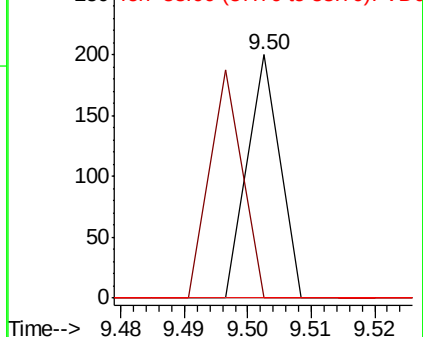
58 0.0 54.1 81.1#

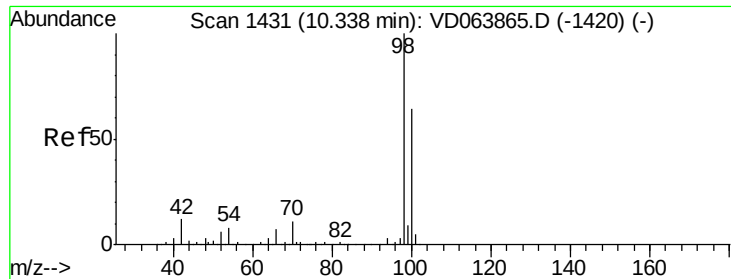


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

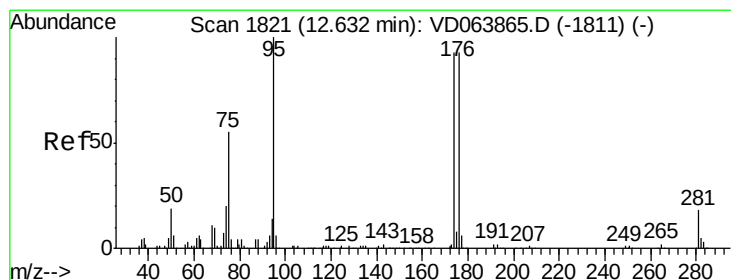
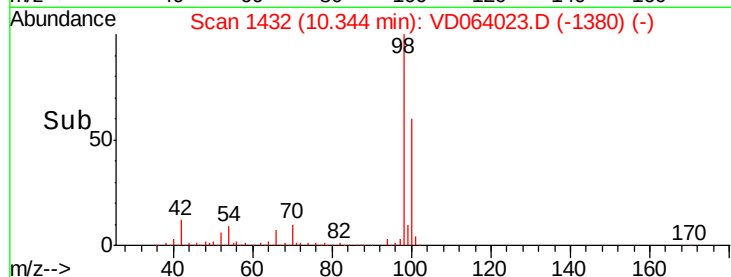
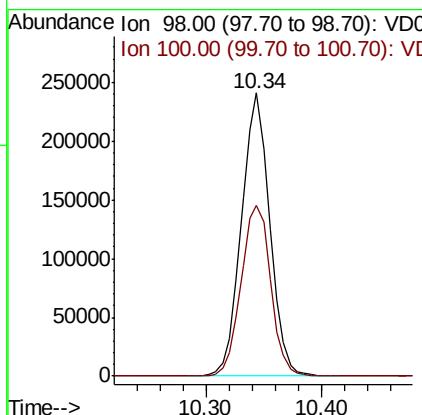
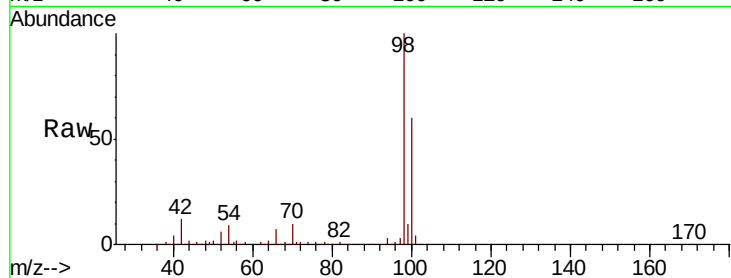




#50
Toluene-d8
Concen: 55.602 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

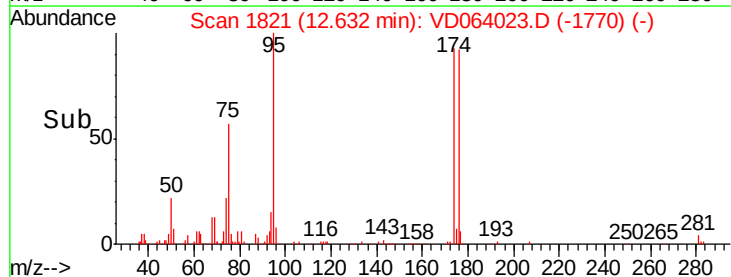
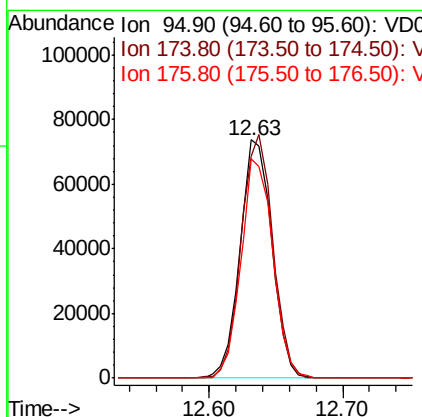
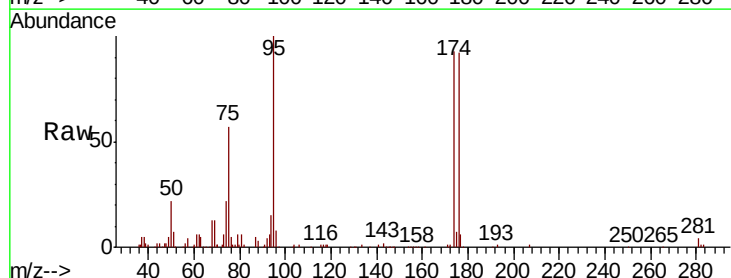
Instrument :
MSVOA_D
ClientSampled :

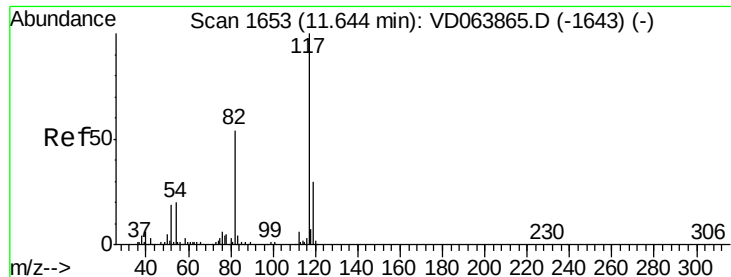
Tot Ion: 98 Resp: 410280
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.446 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

Tgt Ion: 95 Resp: 121659
Ion Ratio Lower Upper
95 100
174 100.7 0.0 186.4
176 91.5 0.0 184.2

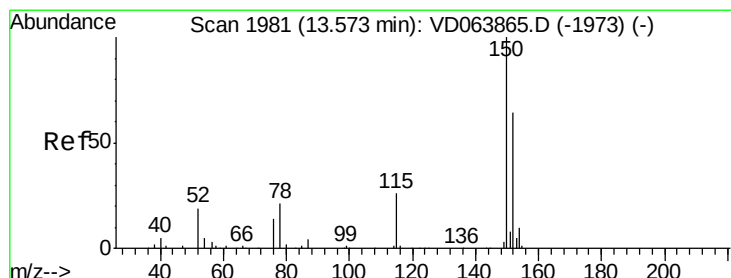
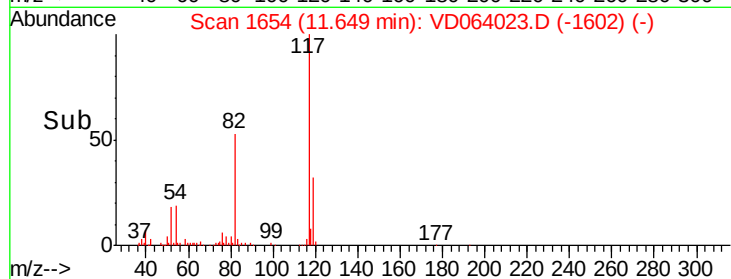
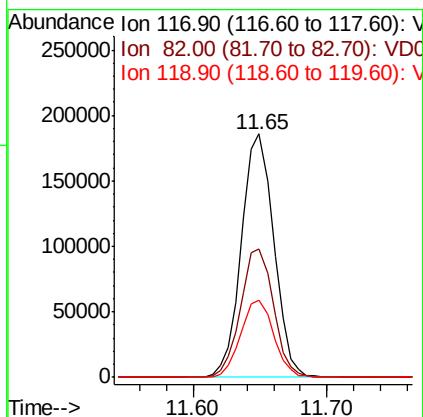
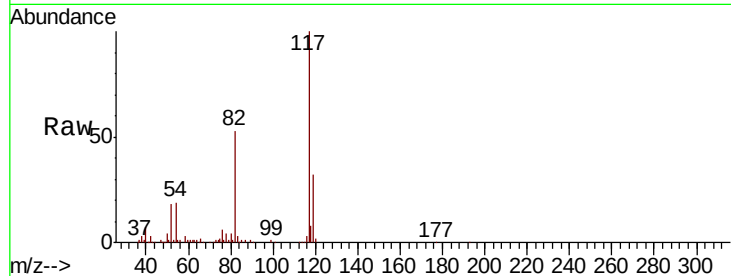




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

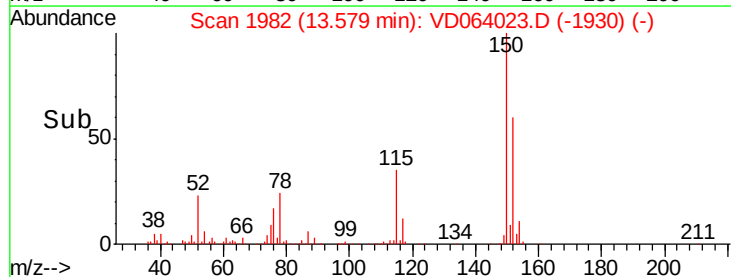
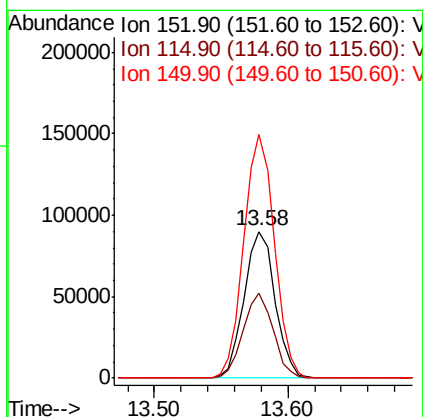
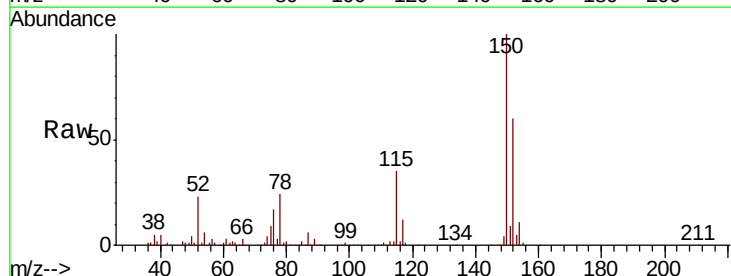
Instrument :
MSVOA_D
ClientSampleId :

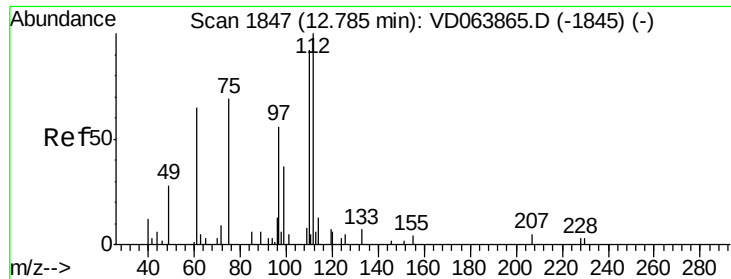
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.8	64.2
119	31.9	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064023.D
Acq: 23 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	25.9	77.7
150	165.0	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 71.843 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

Instrument :

MSVOA_D

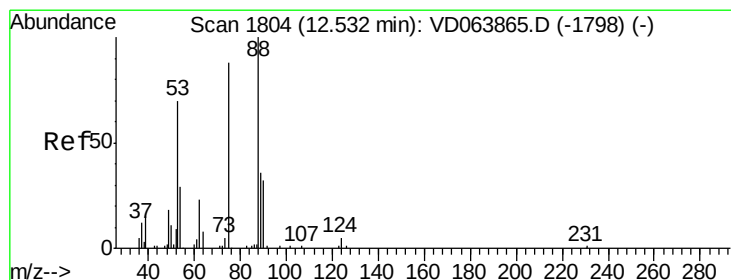
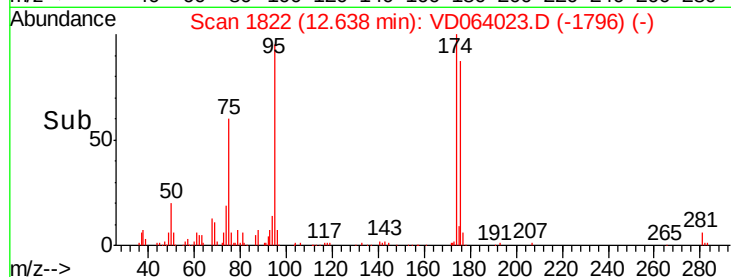
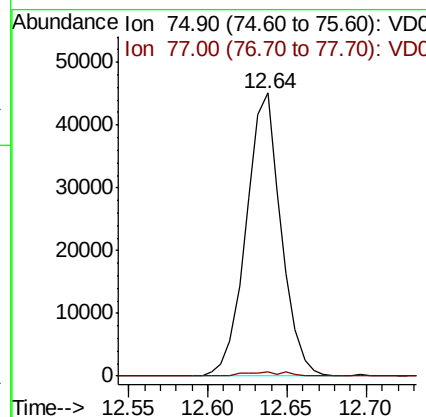
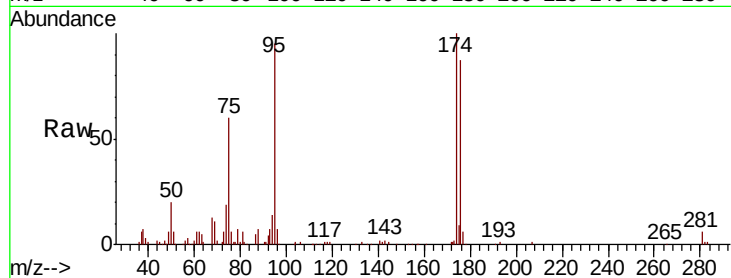
ClientSampled :

Tot Ion: 75 Resp: 68899

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.133 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

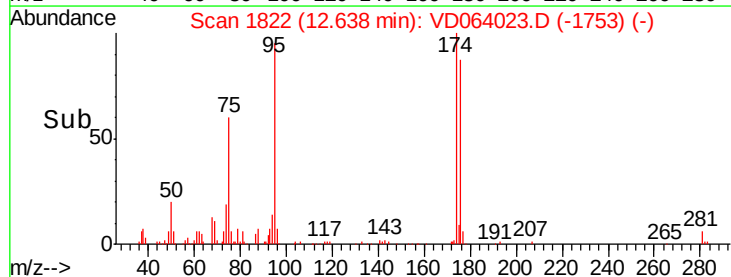
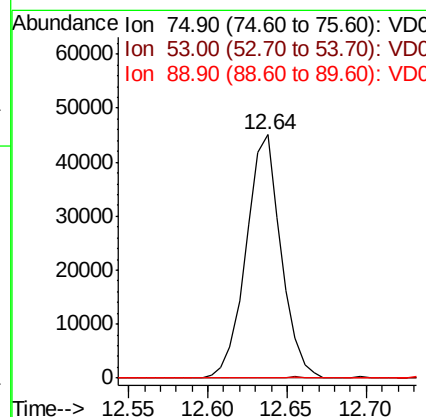
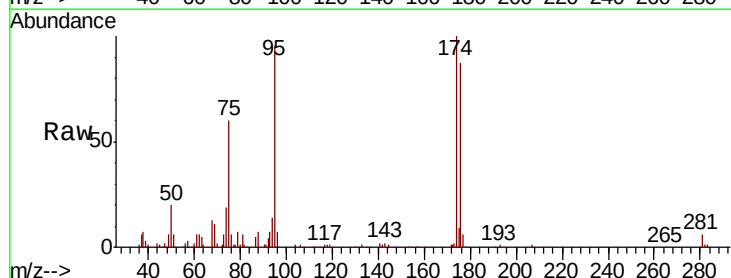
Tgt Ion: 75 Resp: 68899

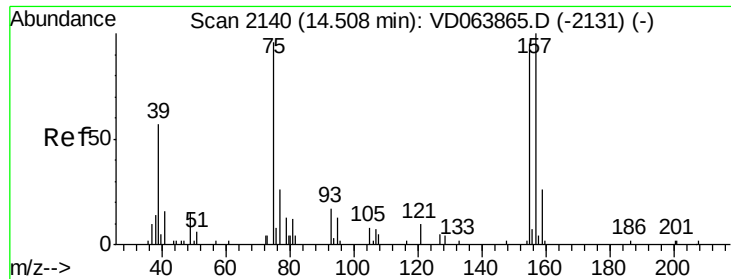
Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.54 min Scan# 2146

Delta R.T. 0.04 min

Lab File: VD064023.D

Acq: 23 Oct 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

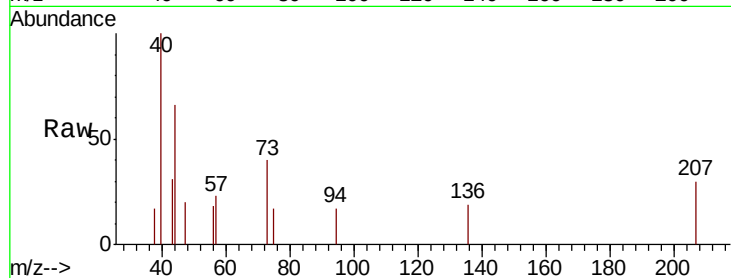
Tot Ion: 75 Resp: 55

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

