

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064056.D
 Acq On : 24 Oct 2019 20:07
 Operator : VA/SY
 Sample : K5497-16RE
 Misc : 8.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:00:23 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	135555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	242556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	254360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	108984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	72330	54.81	ug/l	0.00
Spiked Amount						
			Recovery	=	109.62%	
35) Dibromofluoromethane	7.92	113	74896	50.53	ug/l	0.00
Spiked Amount						
			Recovery	=	101.06%	
50) Toluene-d8	10.34	98	337025	56.02	ug/l	0.00
Spiked Amount						
			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	12.64	95	93491	44.72	ug/l	0.00
Spiked Amount						
			Recovery	=	89.44%	

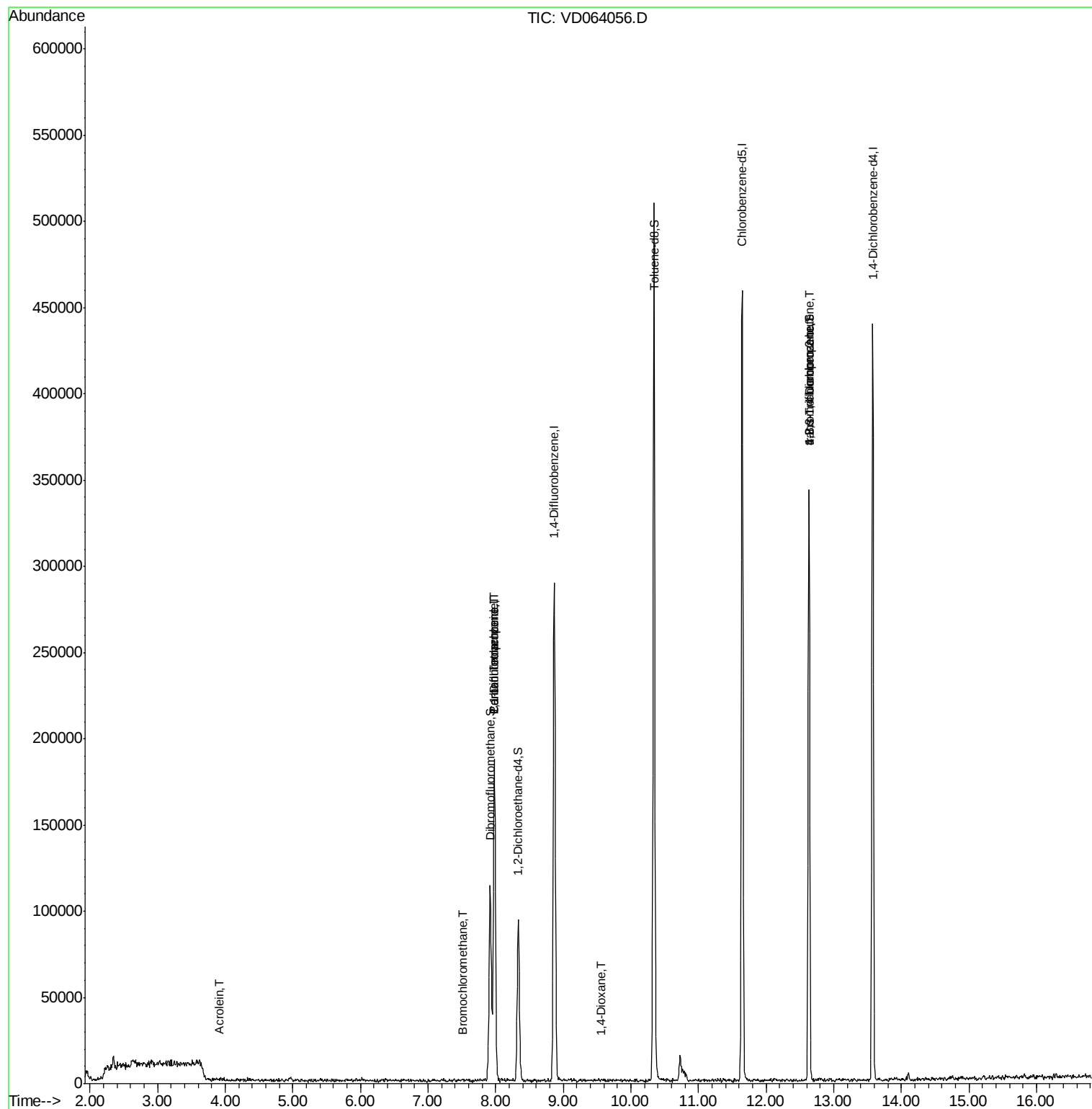
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	213	Below Cal	#	40
11) Tert butyl alcohol	5.23	59	55	Below Cal	#	71
13) Acrolein	3.91	56	130	1.103	ug/l #	49
20) Methylene Chloride	4.95	84	1130	Below Cal	#	54
28) Bromochloromethane	7.51	49	54	1.922	ug/l #	10
31) Cyclohexane	7.98	56	4013	Below Cal	#	69
36) 1,1-Dichloropropene	7.98	75	10487	4.729	ug/l #	49
37) Ethyl Acetate	7.29	43	79	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	12921	5.765	ug/l #	22
49) 1,4-Dioxane	9.55	88	60	4.962	ug/l #	6
76) 1,2,3-Trichloropropane	12.64	75	53229	72.922	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	53229	129.043	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.38	75	101	Below Cal	#	1

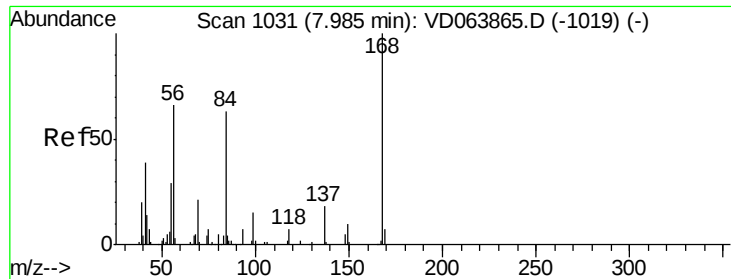
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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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: VD064056.D

Acq: 24 Oct 2019 20:07

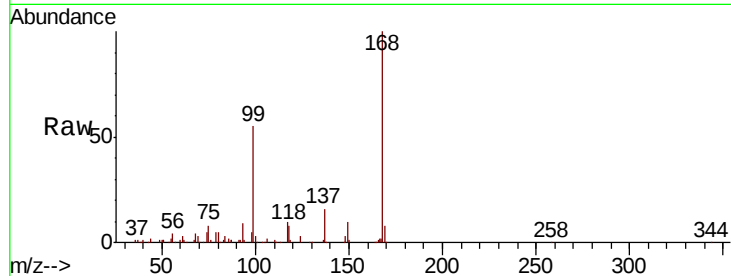
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 135555

Ion Ratio Lower Upper

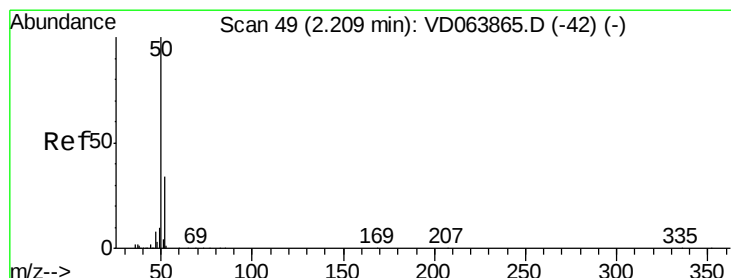
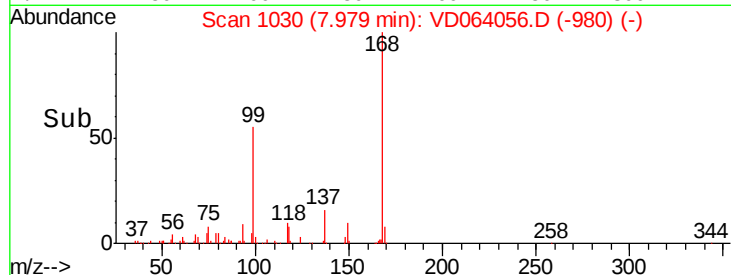
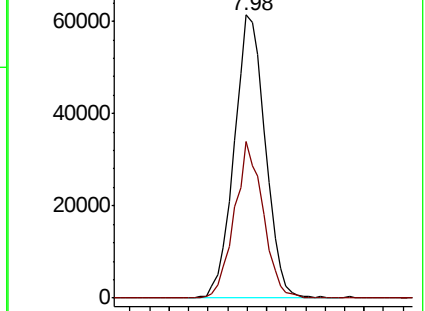
168 100

99 55.4 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: VD064056.D

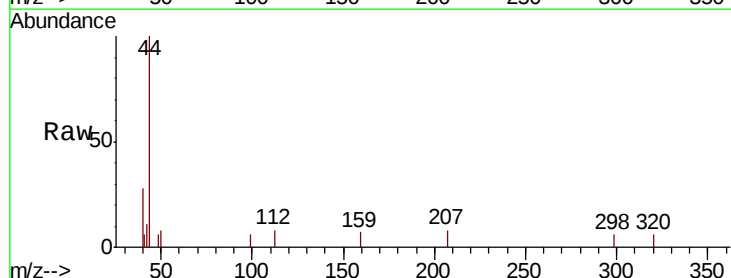
Acq: 24 Oct 2019 20:07

Tgt Ion: 50 Resp: 213

Ion Ratio Lower Upper

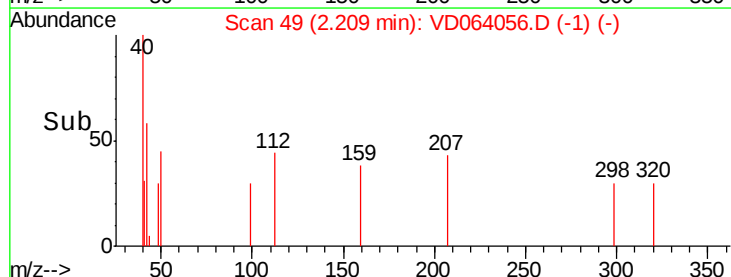
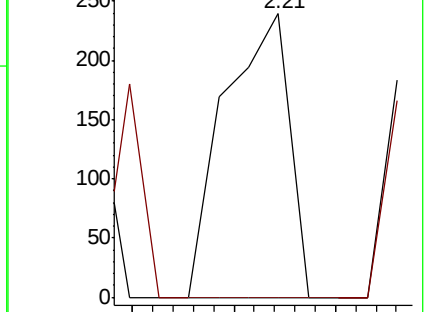
50 100

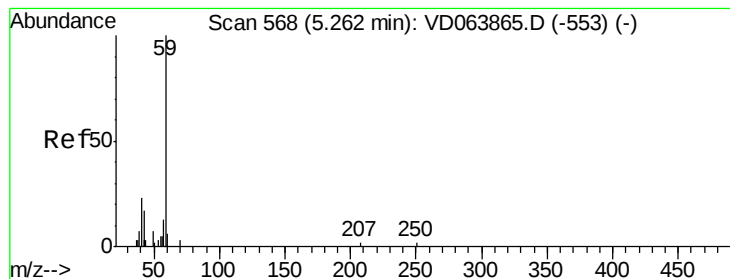
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



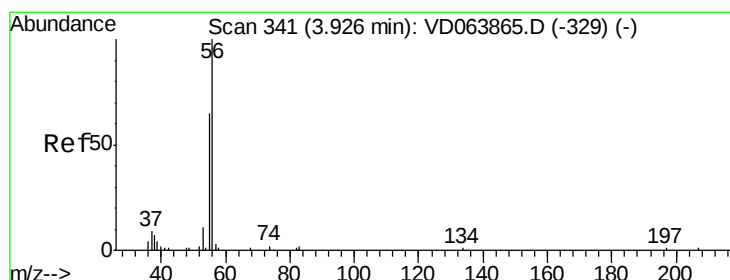
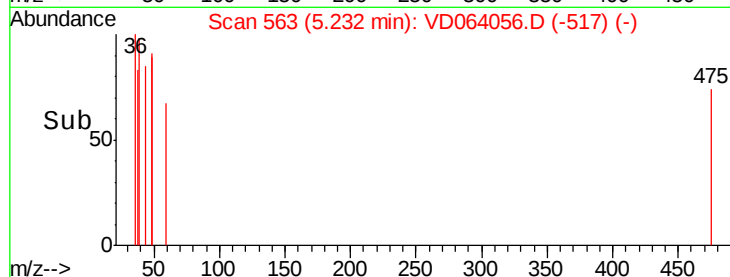
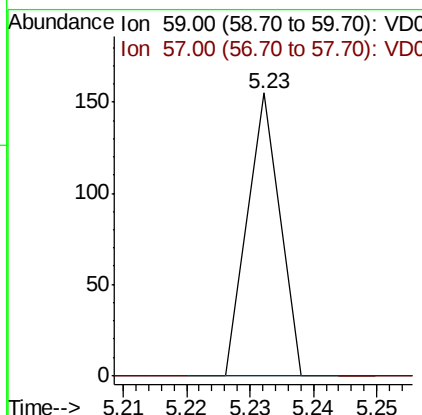
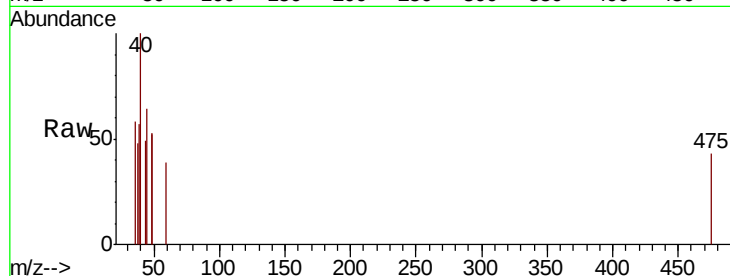


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. -0.03 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

Instrument :
 MSVOA_D
 ClientSampled :

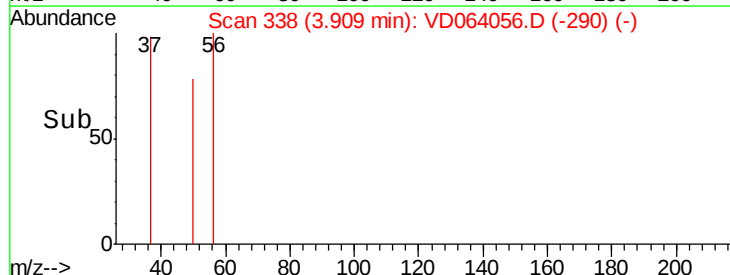
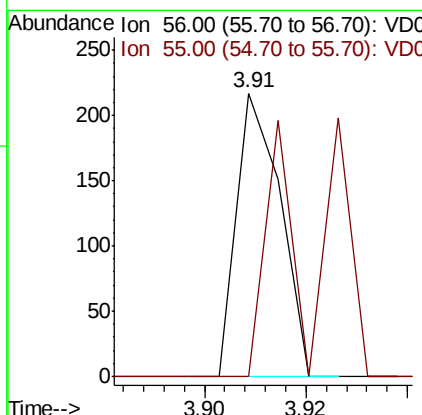
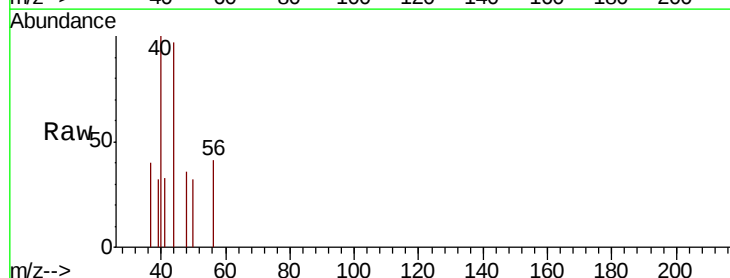
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

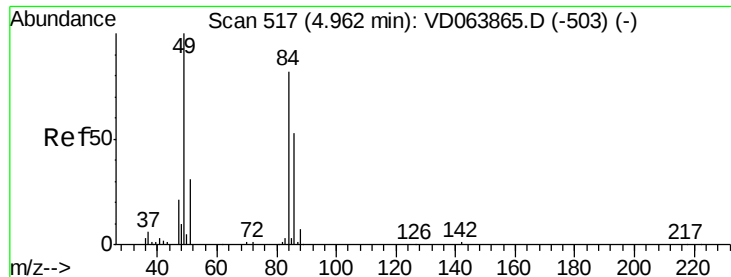


#13

Acrolein
 Concen: 1.103 ug/l
 RT: 3.91 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

Tgt Ion: 56 Resp: 130
 Ion Ratio Lower Upper
 56 100
 55 106.9 53.0 79.6#

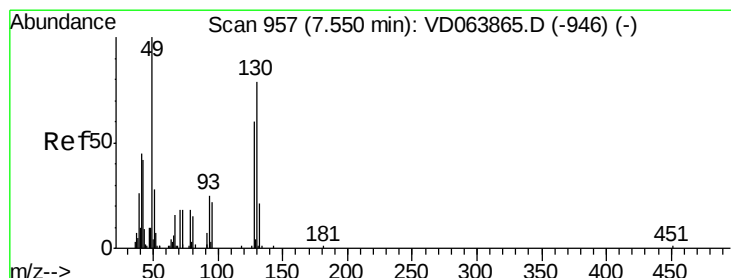
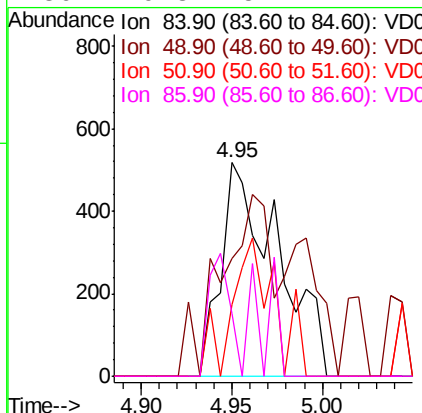
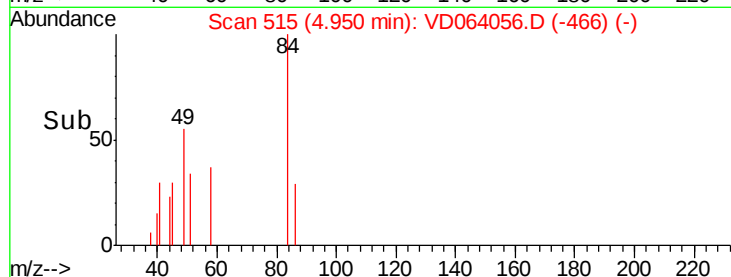
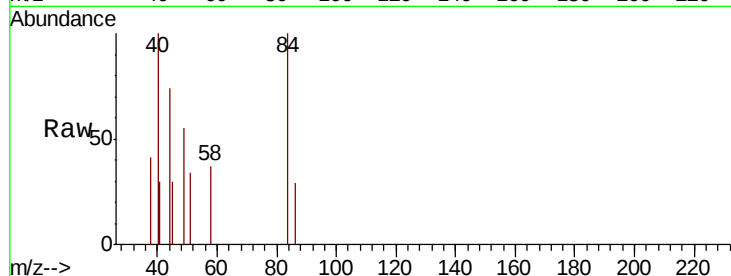




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064056.D
Acq: 24 Oct 2019 20:07

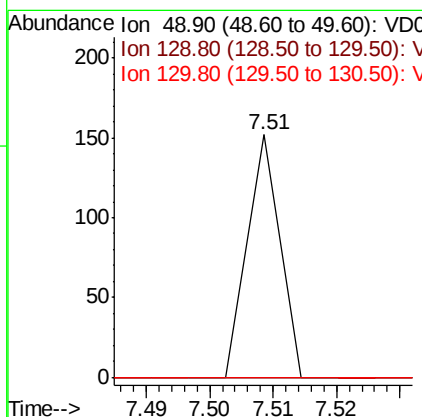
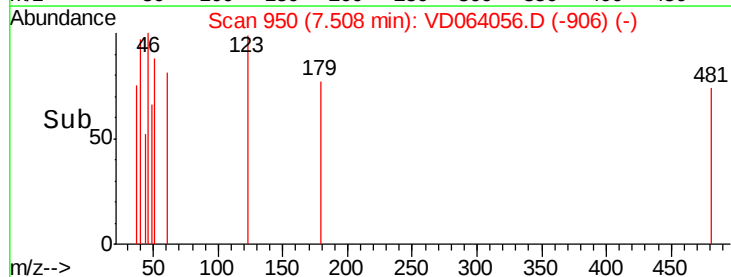
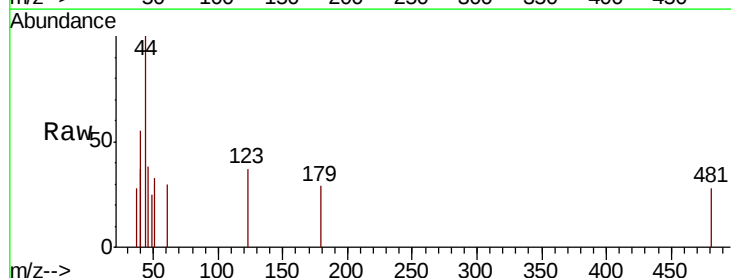
Instrument :
MSVOA_D
ClientSampleId :

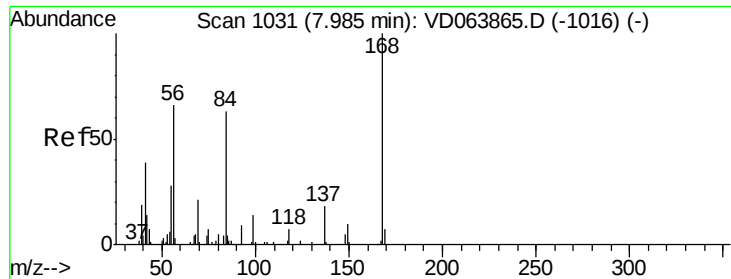
Tot Ion: 84 Resp: 1130
Ion Ratio Lower Upper
84 100
49 55.0 97.3 145.9#
51 33.8 30.1 45.1
86 29.3 51.4 77.2#



#28
Bromochloromethane
Concen: 1.922 ug/l
RT: 7.51 min Scan# 950
Delta R.T. -0.04 min
Lab File: VD064056.D
Acq: 24 Oct 2019 20:07

Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

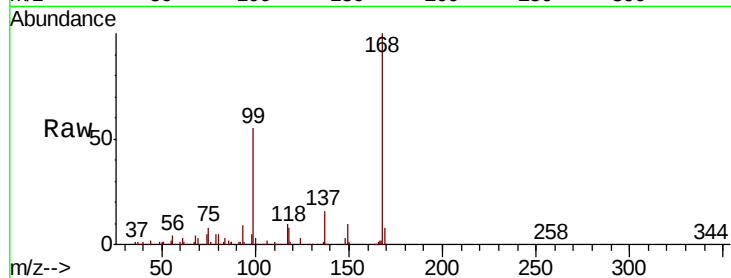




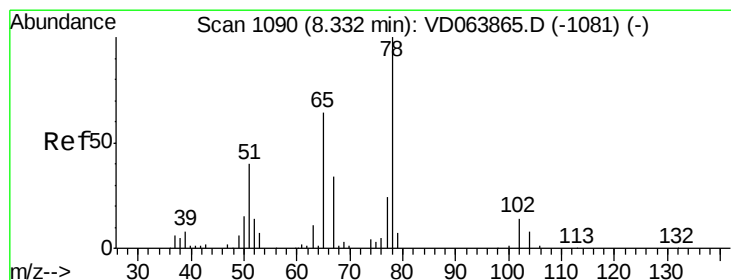
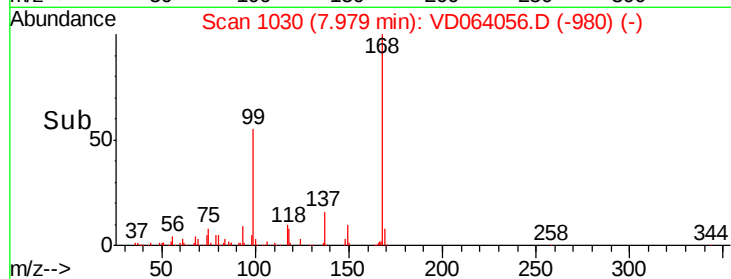
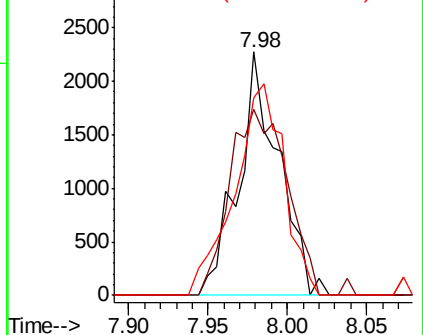
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064056.D
Acq: 24 Oct 2019 20:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4013
Ion Ratio Lower Upper
56 100
69 76.3 25.0 37.4#
84 81.2 76.3 114.5

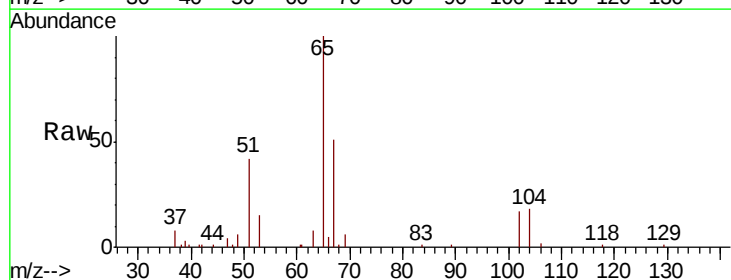


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

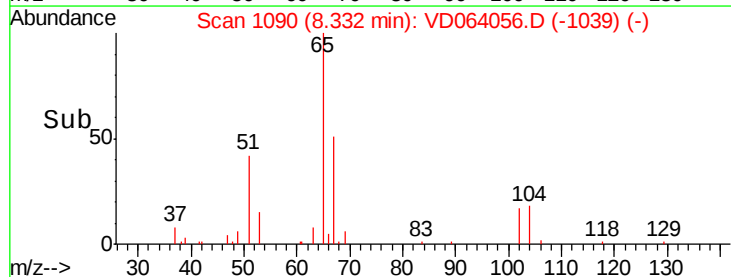
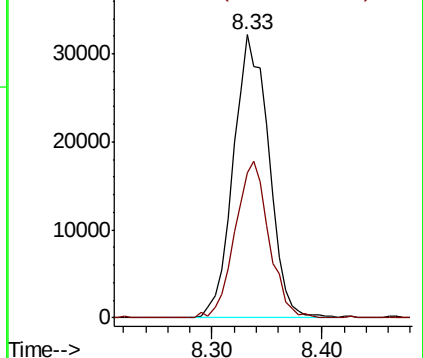


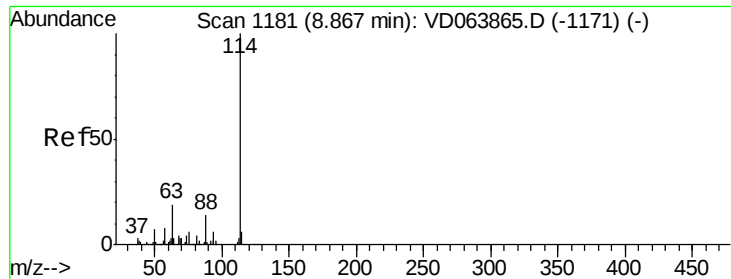
#33
1,2-Dichloroethane-d4
Concen: 54.807 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064056.D
Acq: 24 Oct 2019 20:07

Tgt Ion: 65 Resp: 72330
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.4



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

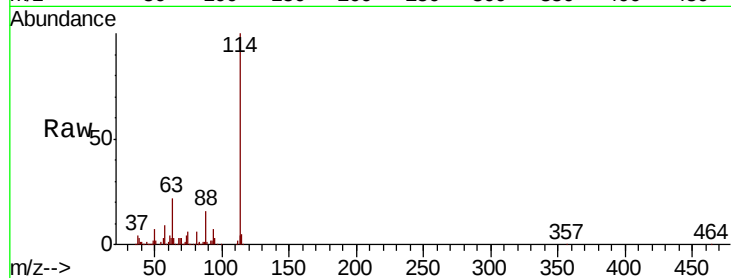




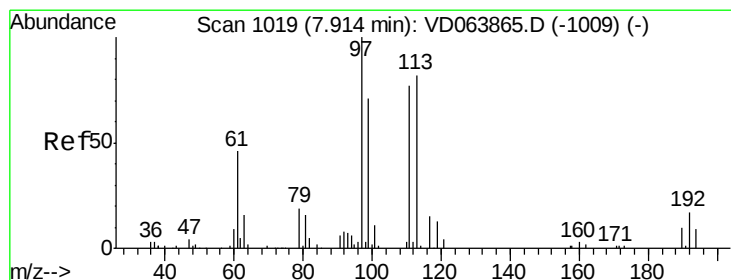
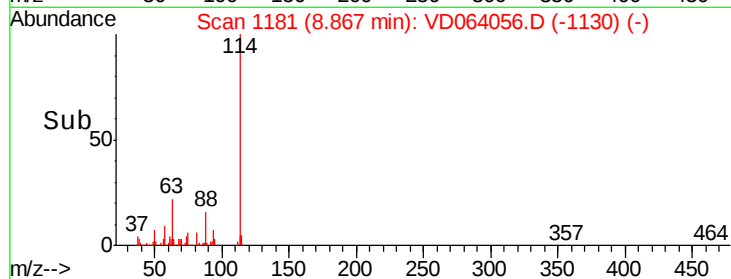
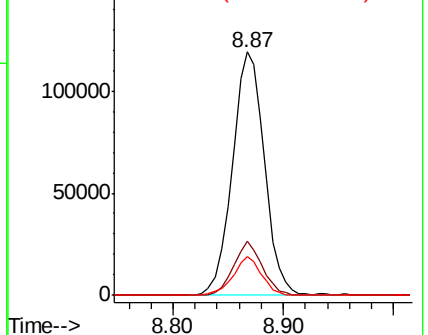
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	38.4
88	16.0	0.0	27.4

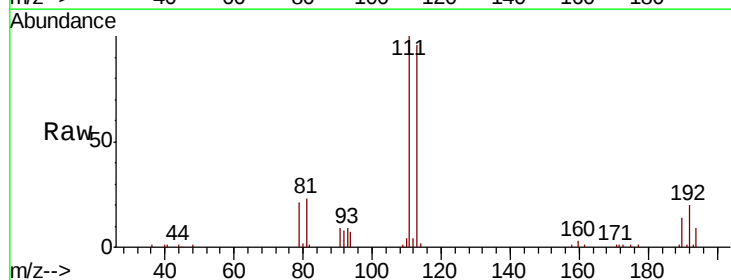


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

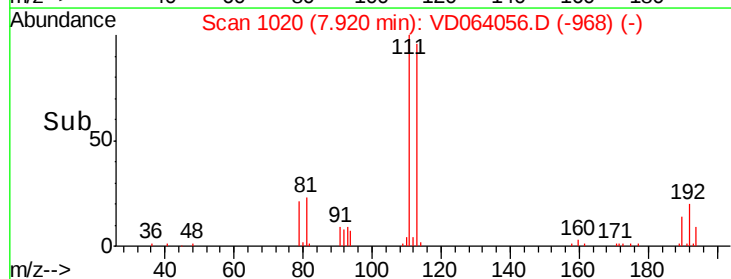
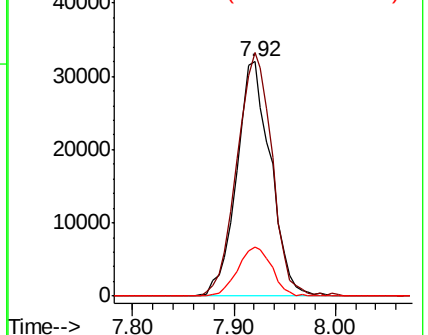


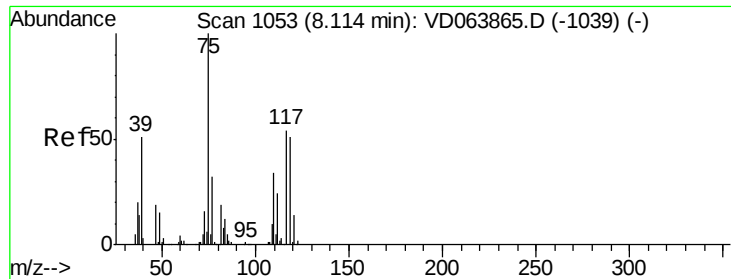
#35
 Dibromofluoromethane
 Concen: 50.526 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.5	82.6	123.8
192	20.9	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

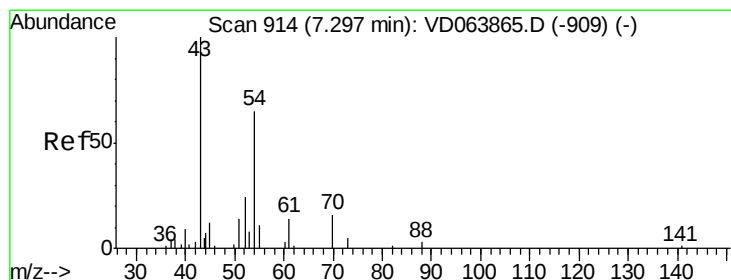
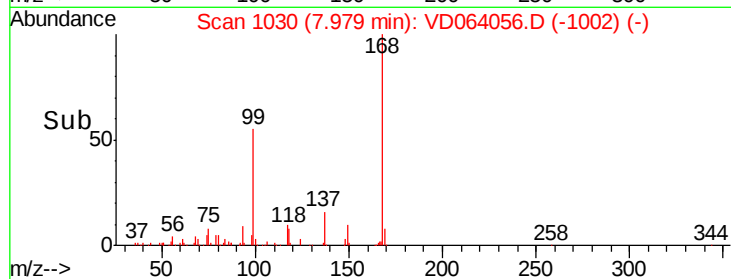
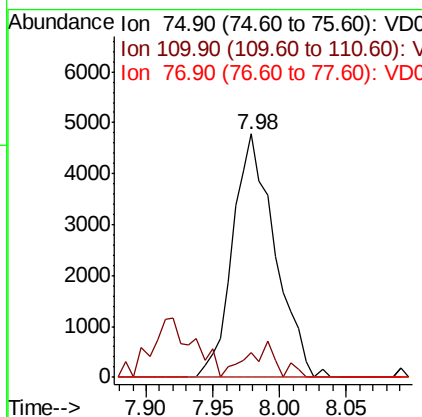
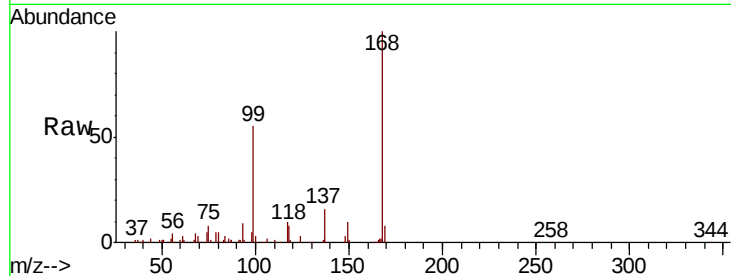




#36
 1,1-Dichloropropene
 Concen: 4.729 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

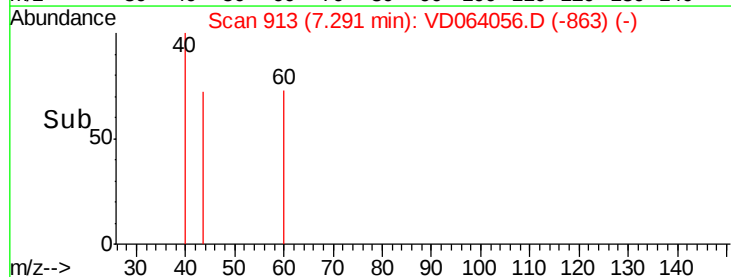
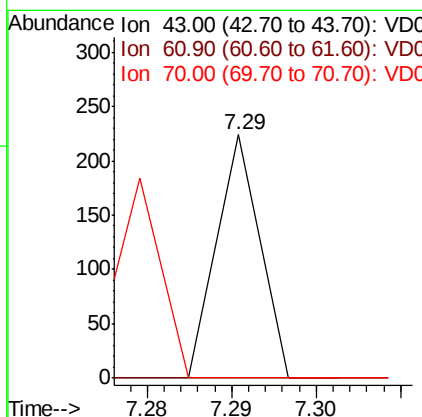
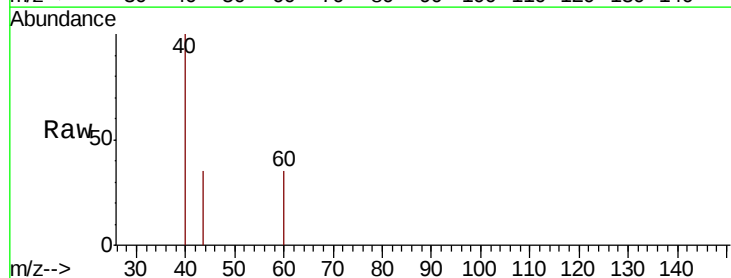
Instrument :
 MSVOA_D
 ClientSampleId :

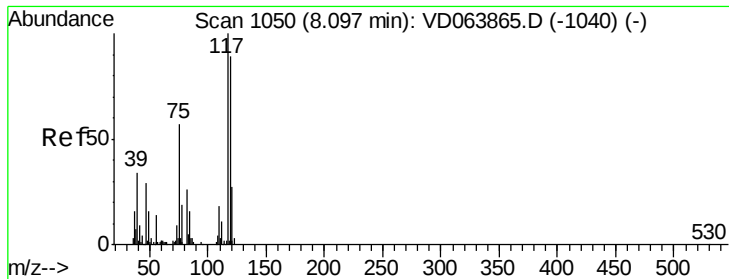
Tot Ion	75	Resp	10487
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.4	52.3#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.29 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD064056.D
 Acq: 24 Oct 2019 20:07

Tgt Ion	43	Resp	79
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.5	17.3#
70	0.0	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 5.765 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

Instrument :

MSVOA_D

ClientSampled :

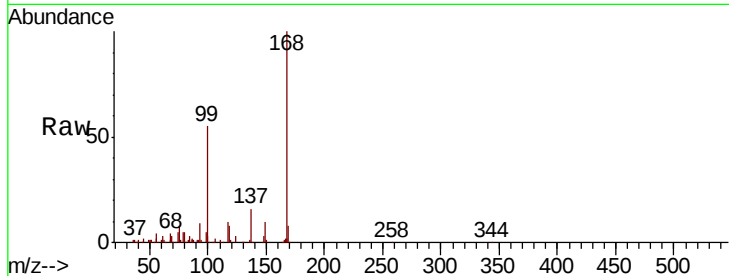
Tot Ion:117 Resp: 12921

Ion Ratio Lower Upper

117 100

119 8.8 70.8 106.2#

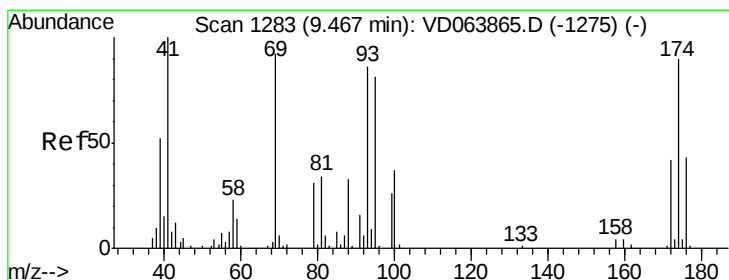
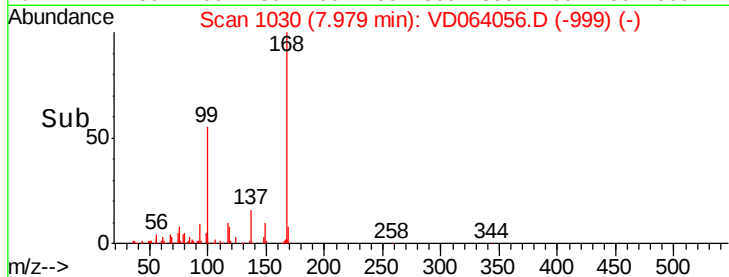
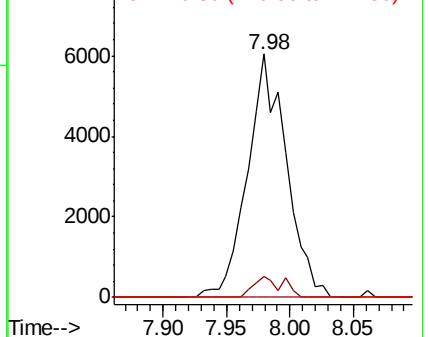
121 0.0 21.4 32.0#



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: 4.962 ug/l

RT: 9.55 min Scan# 1297

Delta R.T. 0.08 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

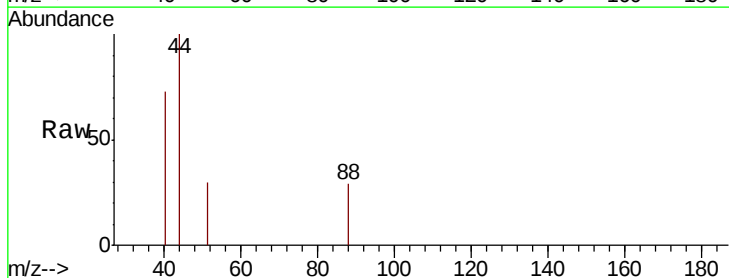
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 100.0 27.6 41.4#

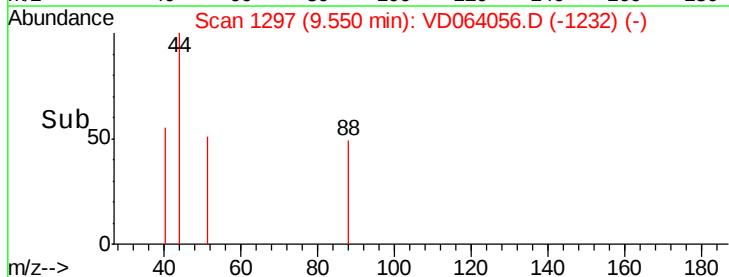
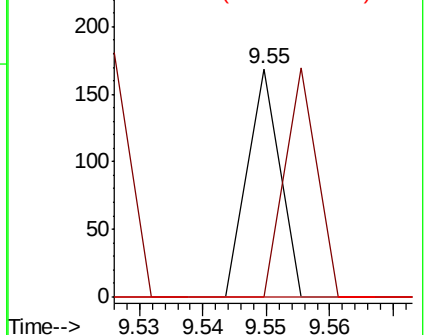
58 0.0 54.1 81.1#

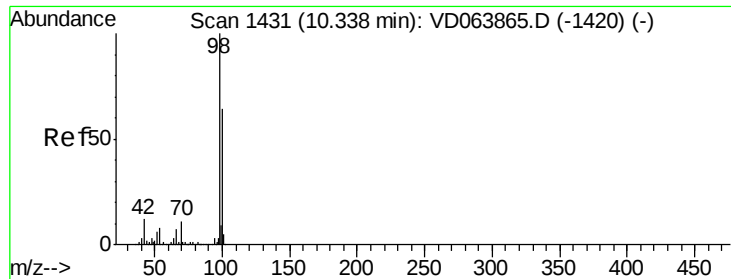


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 56.016 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

Instrument :

MSVOA_D

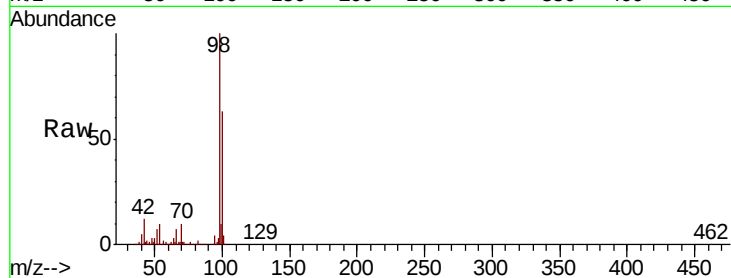
ClientSampleId :

Tot Ion: 98 Resp: 337025

Ion Ratio Lower Upper

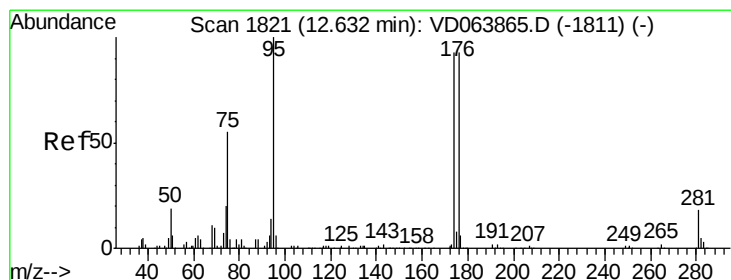
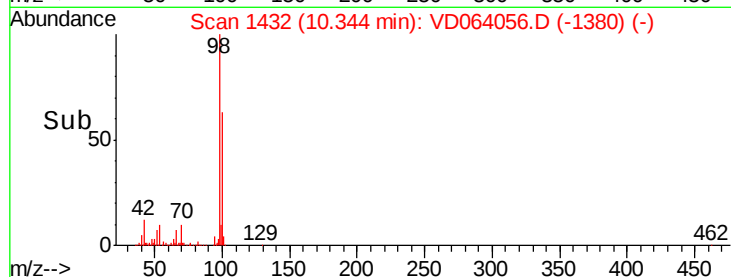
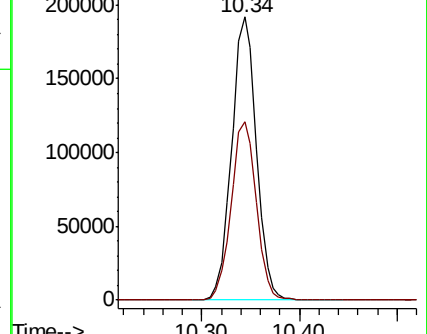
98 100

100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.716 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

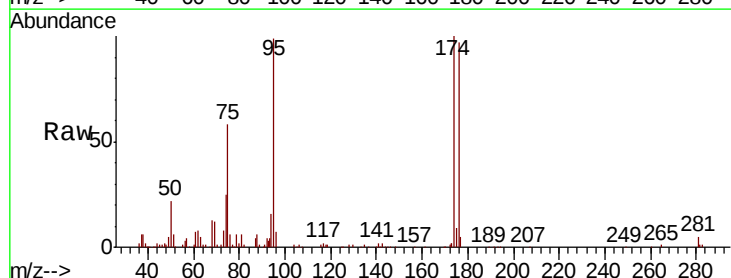
Tgt Ion: 95 Resp: 93491

Ion Ratio Lower Upper

95 100

174 96.6 0.0 186.4

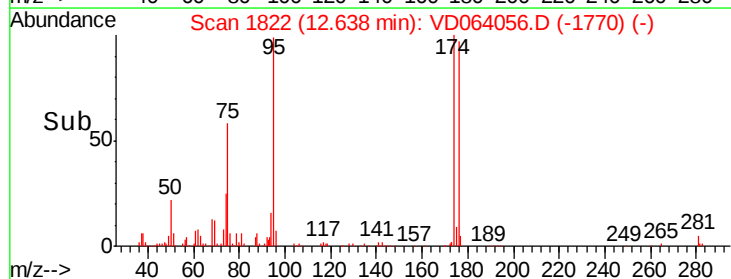
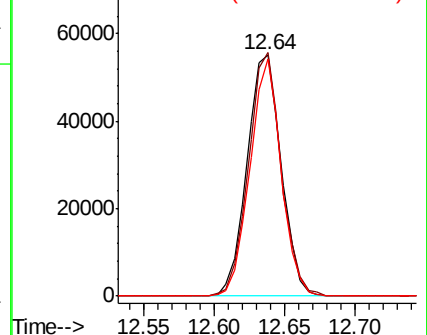
176 89.8 0.0 184.2

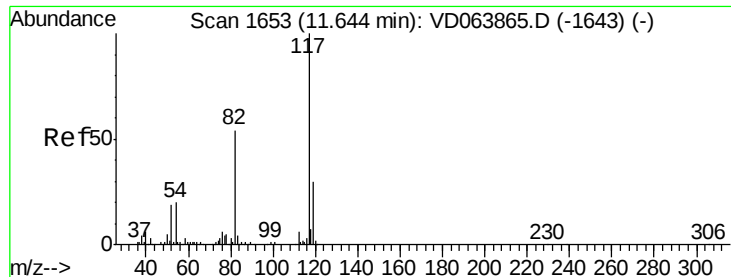


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

Instrument :

MSVOA_D

ClientSampleId :

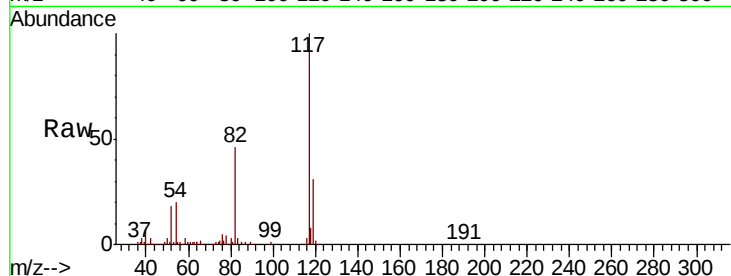
Tot Ion:117 Resp: 254360

Ion Ratio Lower Upper

117 100

82 46.2 42.8 64.2

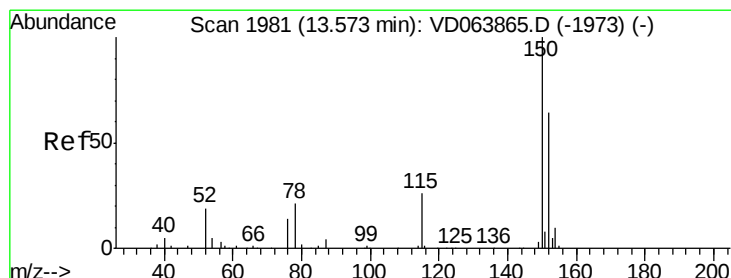
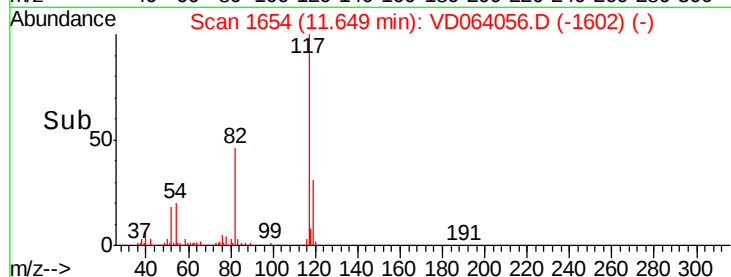
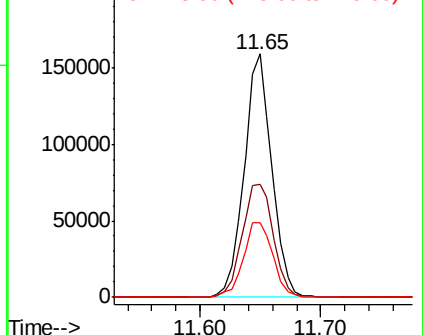
119 30.7 24.4 36.6



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: VD064056.D

Acq: 24 Oct 2019 20:07

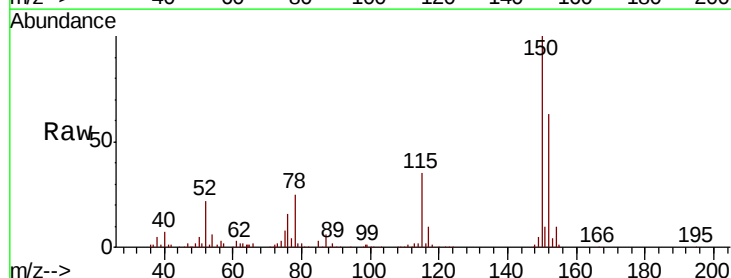
Tgt Ion:152 Resp: 108984

Ion Ratio Lower Upper

152 100

115 53.6 25.9 77.7

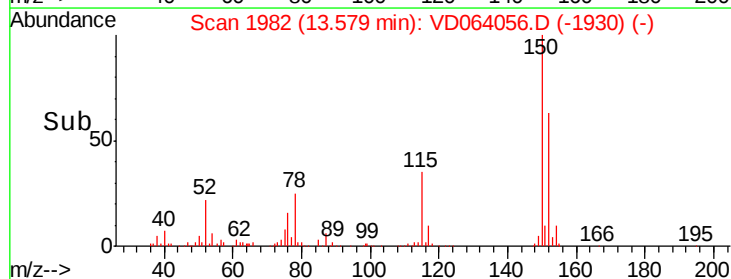
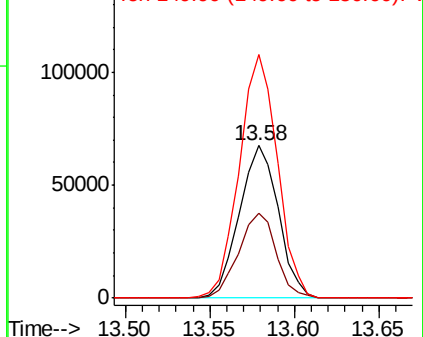
150 155.6 0.0 344.2

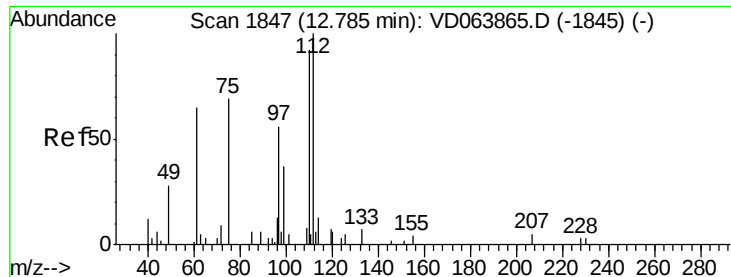


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.922 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

Instrument :

MSVOA_D

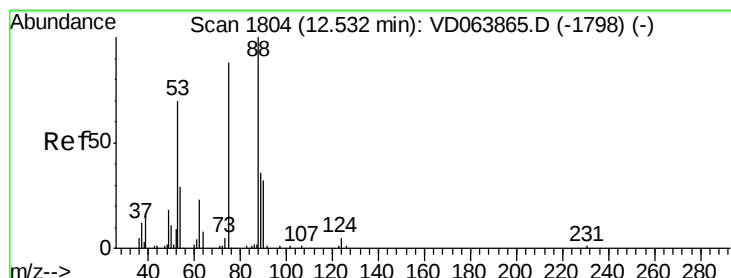
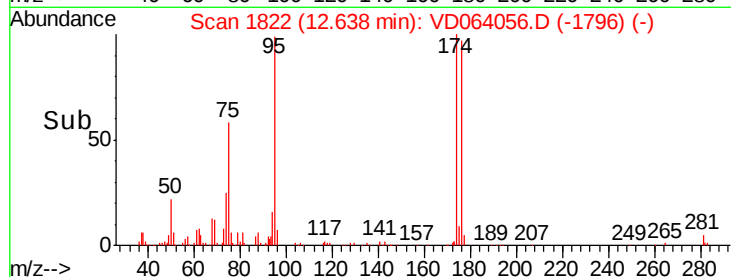
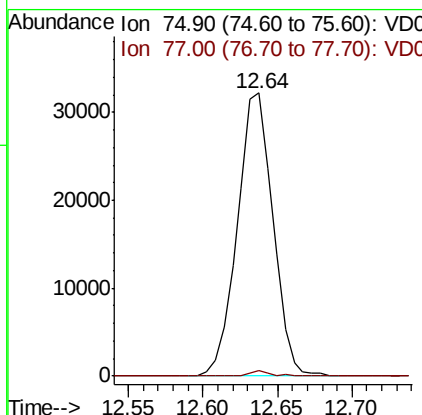
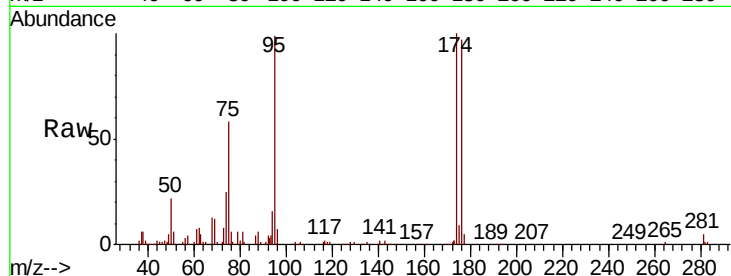
ClientSampleId :

Tot Ion: 75 Resp: 53229

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.043 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

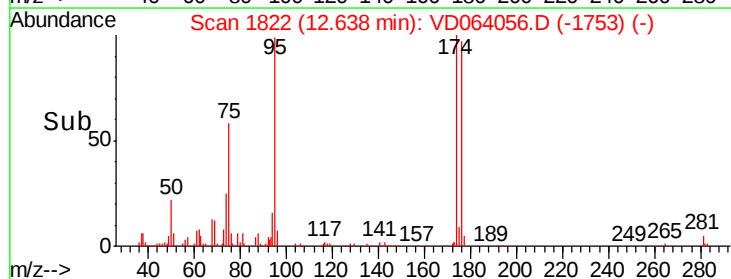
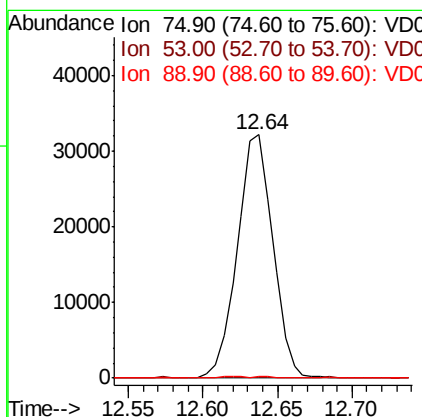
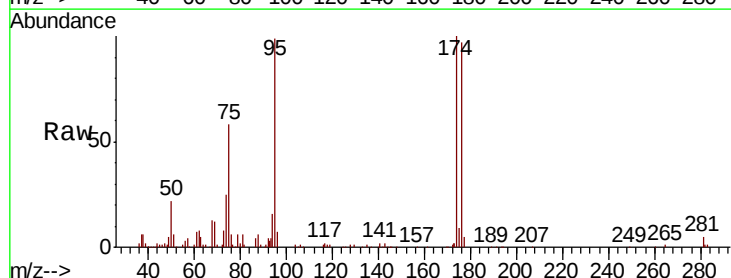
Tgt Ion: 75 Resp: 53229

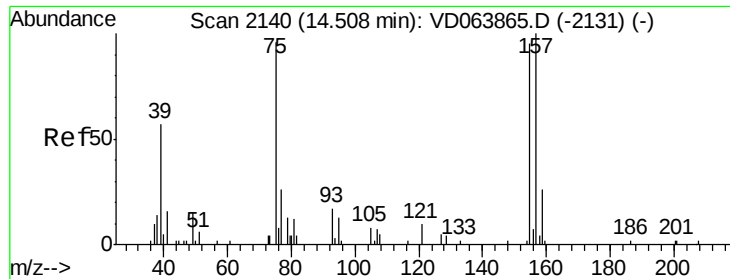
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.4 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.38 min Scan# 2119

Delta R.T. -0.12 min

Lab File: VD064056.D

Acq: 24 Oct 2019 20:07

Instrument :

MSVOA_D

ClientSampleId :

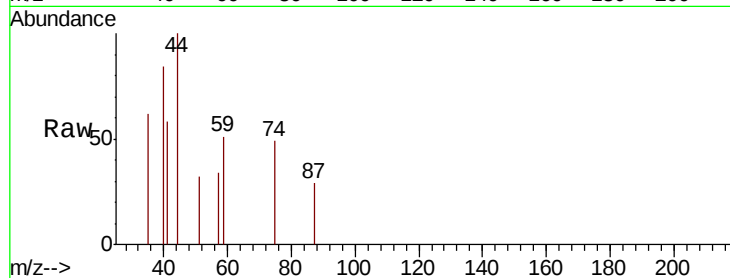
Tot Ion: 75 Resp: 101

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

