

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064069.D
 Acq On : 25 Oct 2019 17:01
 Operator : VA/SY
 Sample : K5153-05
 Misc : 6.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:05:49 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

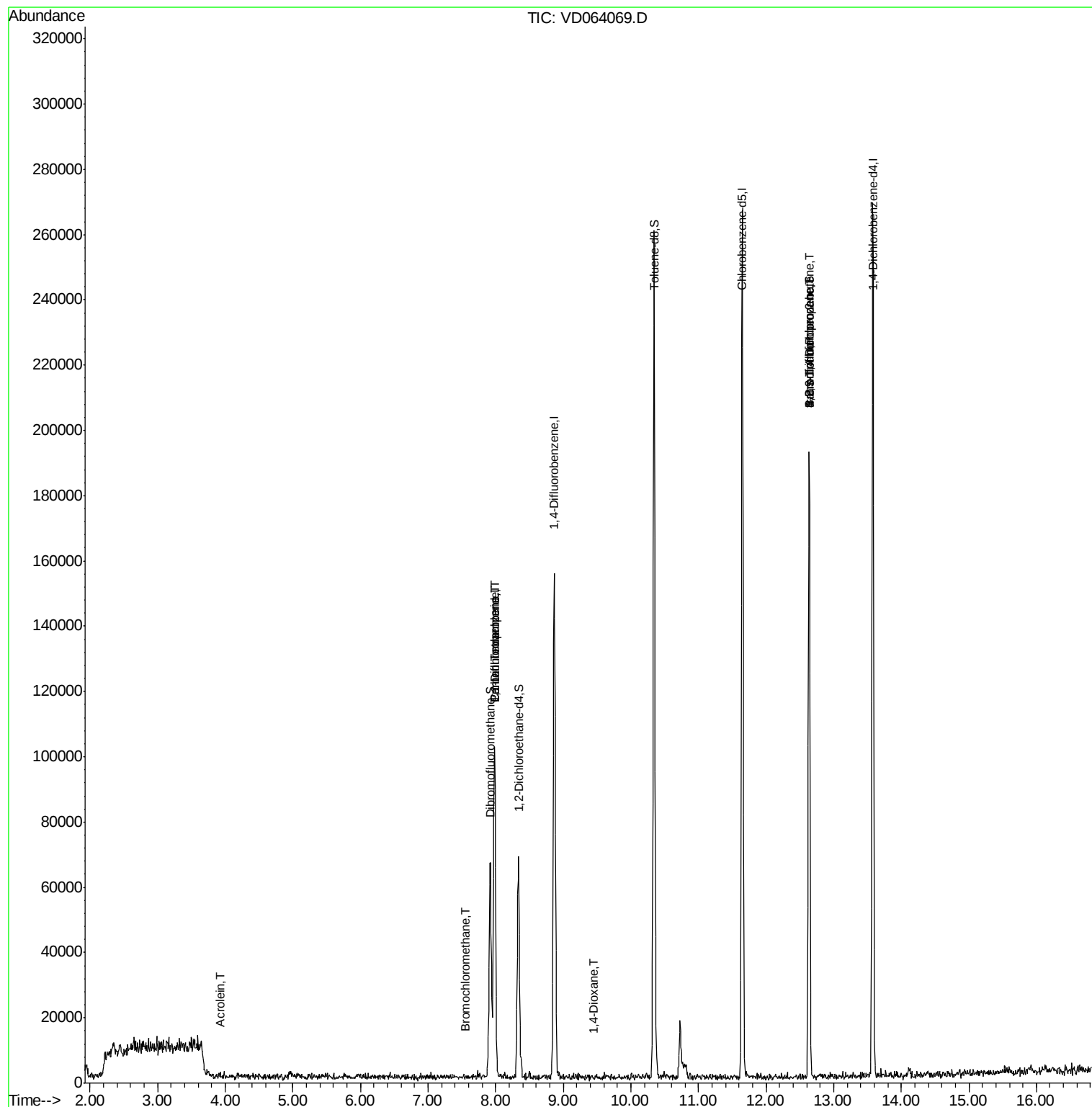
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	76770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	131774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	138987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	68660	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	52008	69.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.16%	
35) Dibromofluoromethane	7.93	113	43586	54.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	10.34	98	171606	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.64	95	52794	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.20	50	165	Below Cal	#	60
11) Tert butyl alcohol	5.26	59	66	Below Cal	#	71
13) Acrolein	3.92	56	90	1.348 ug/l	#	17
20) Methylene Chloride	4.96	84	844	Below Cal	#	86
28) Bromochloromethane	7.56	49	61	1.979 ug/l	#	10
31) Cyclohexane	7.98	56	2171	Below Cal	#	11
36) 1,1-Dichloropropene	7.99	75	6192	5.139 ug/l	#	51
37) Ethyl Acetate	7.33	43	242	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	7652	6.285 ug/l	#	24
49) 1,4-Dioxane	9.44	88	59	8.981 ug/l	#	60
71) Bromoform	12.63	173	735	1.332 ug/l	#	28
76) 1,2,3-Trichloropropane	12.64	75	30757	66.883 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	30757	118.355 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	57	Below Cal	#	1

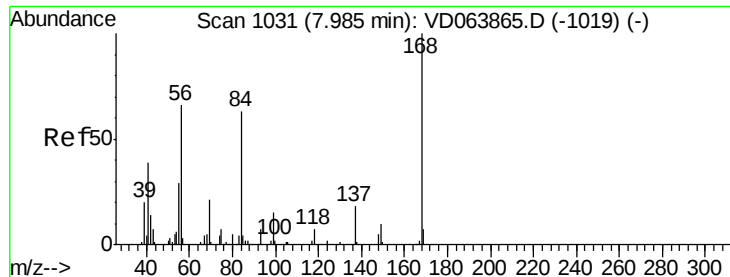
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064069.D
Acq On : 25 Oct 2019 17:01
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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: VD064069.D

Acq: 25 Oct 2019 17:01

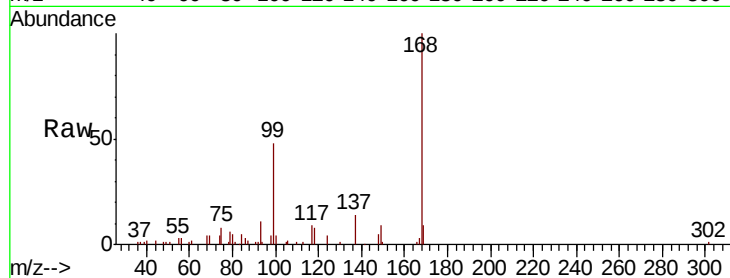
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 76770

Ion Ratio Lower Upper

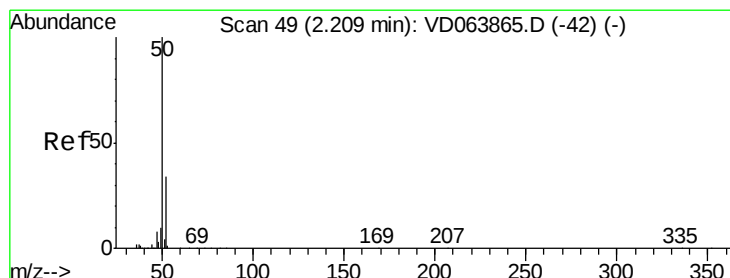
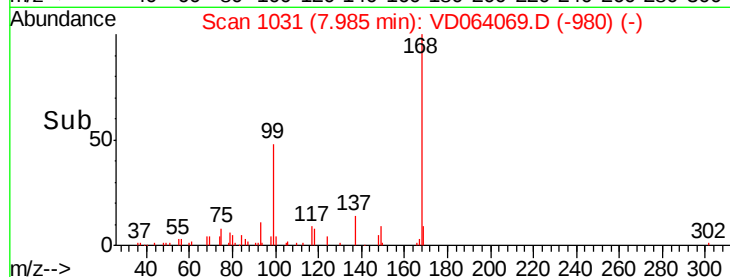
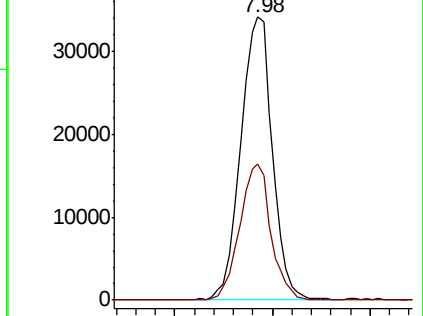
168 100

99 48.0 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: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064069.D

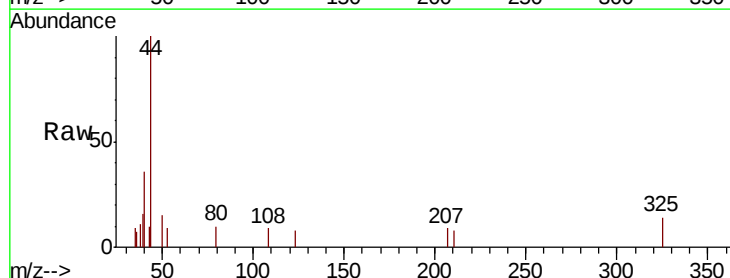
Acq: 25 Oct 2019 17:01

Tgt Ion: 50 Resp: 165

Ion Ratio Lower Upper

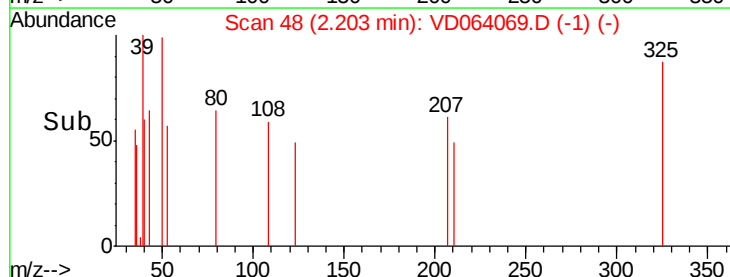
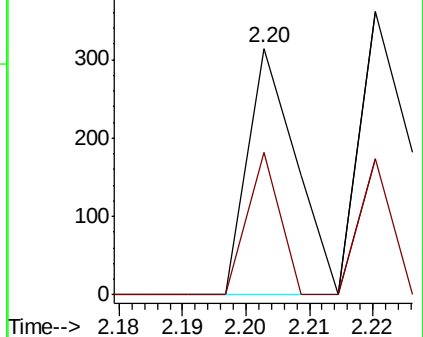
50 100

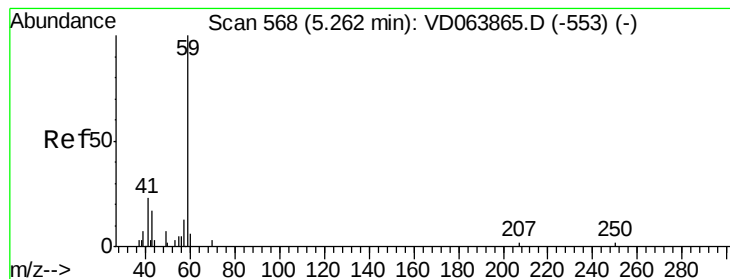
52 57.6 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



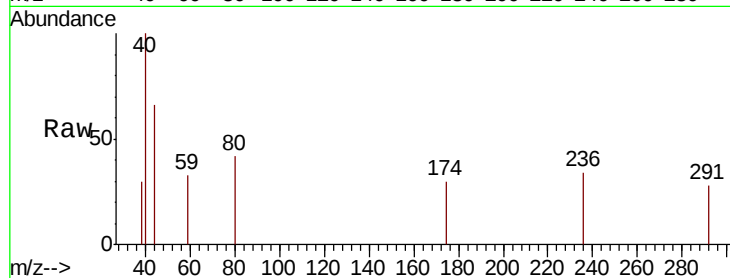


#11

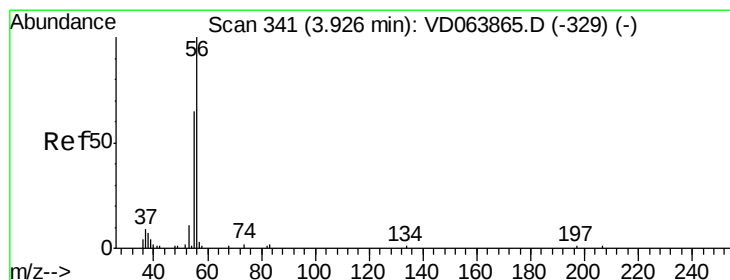
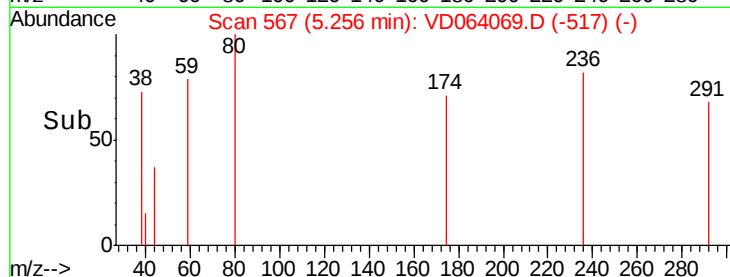
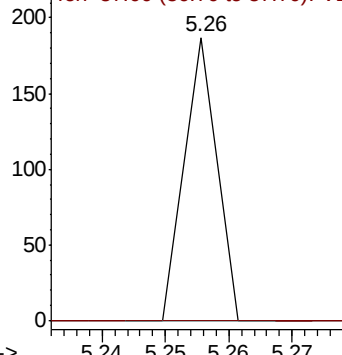
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD064069.D
 Acq: 25 Oct 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 66
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



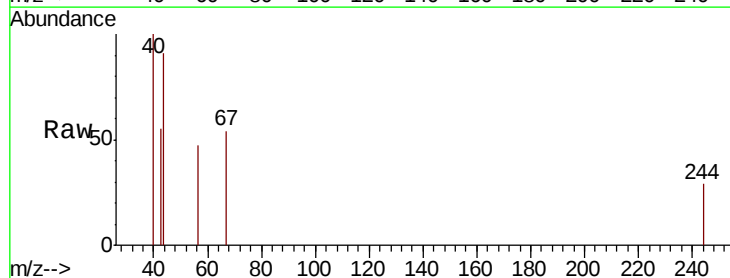
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



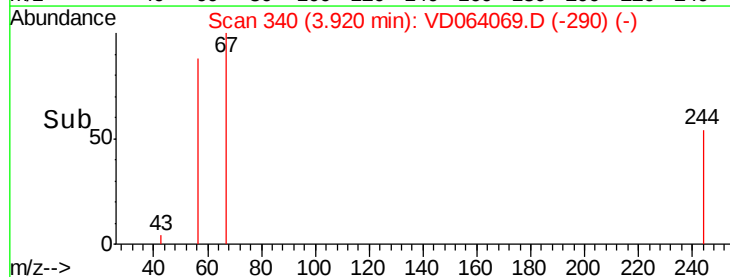
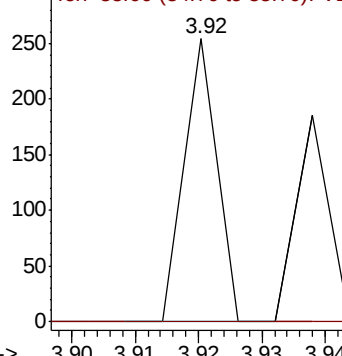
#13

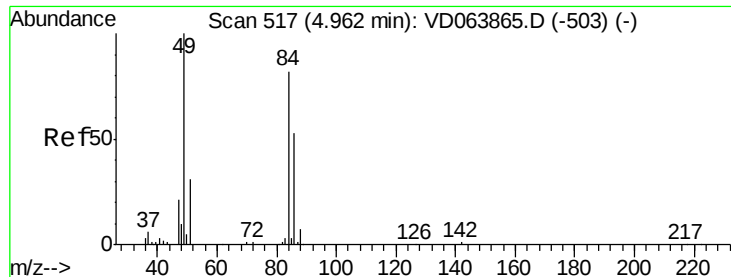
Acrolein
 Concen: 1.348 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064069.D
 Acq: 25 Oct 2019 17:01

Tgt Ion: 56 Resp: 90
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC

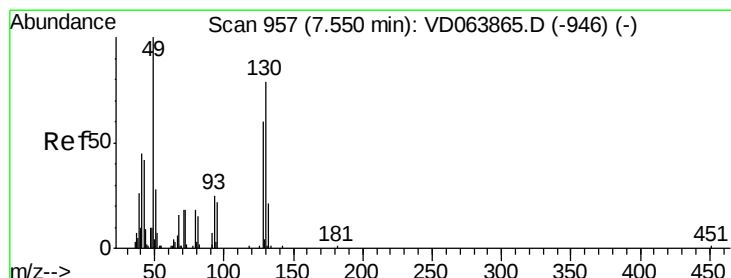
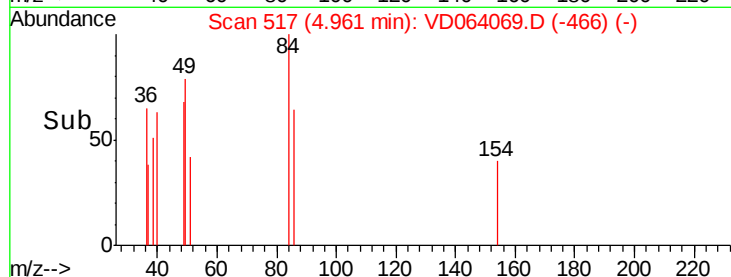
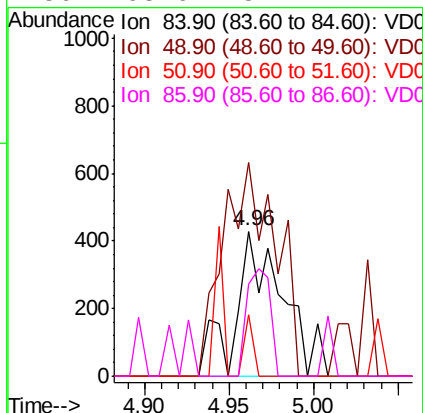
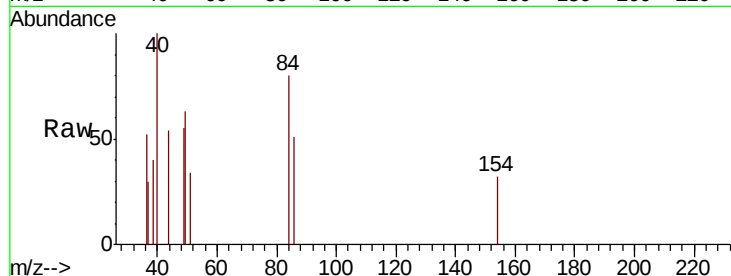




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

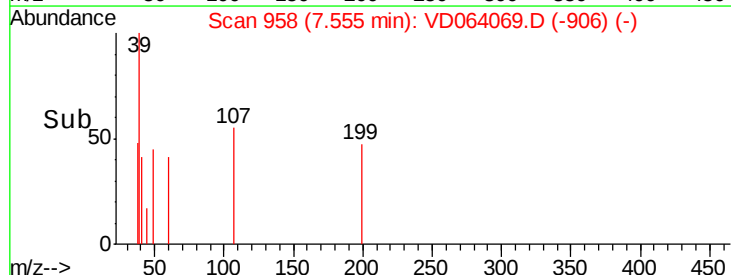
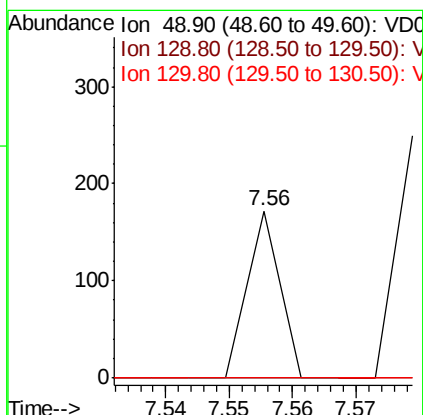
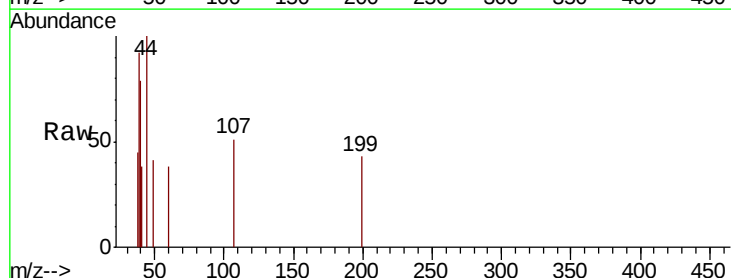
Instrument :
MSVOA_D
ClientSampleId :

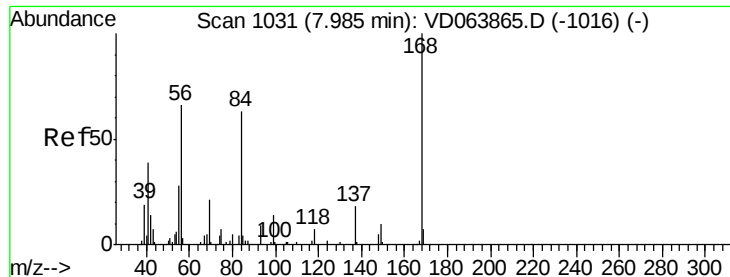
Tot Ion: 84 Resp: 844
Ion Ratio Lower Upper
84 100
49 147.3 97.3 145.9#
51 42.2 30.1 45.1
86 63.6 51.4 77.2



#28
Bromochloromethane
Concen: 1.979 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Tgt Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

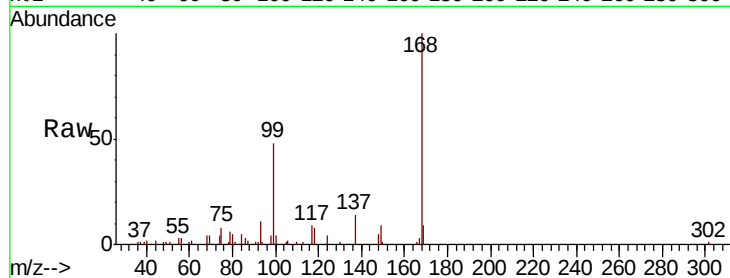




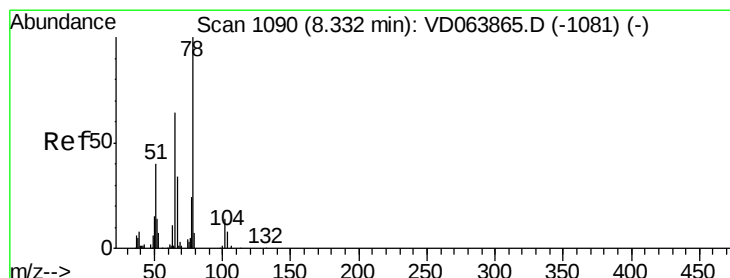
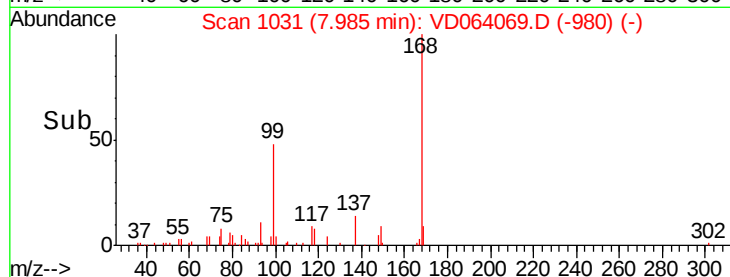
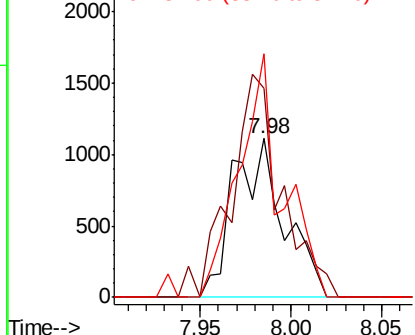
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 2171
Ion Ratio Lower Upper
56 100
69 131.4 25.0 37.4#
84 153.1 76.3 114.5#

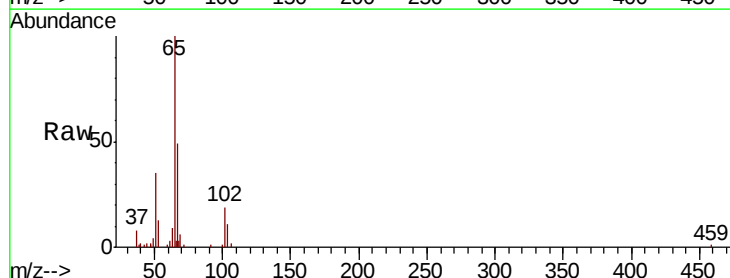


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

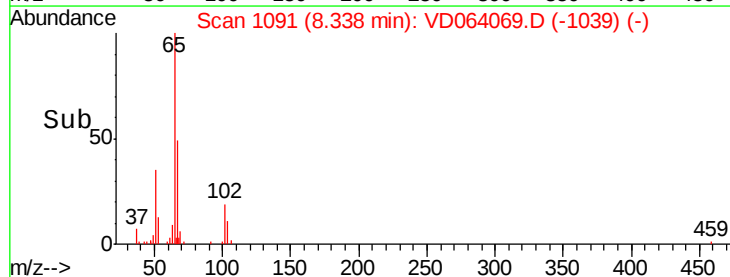
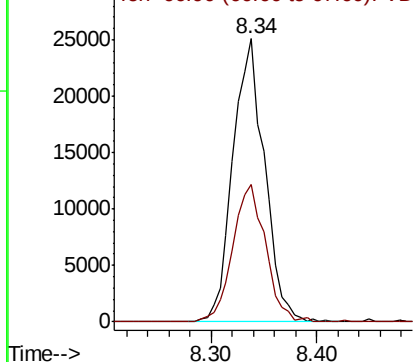


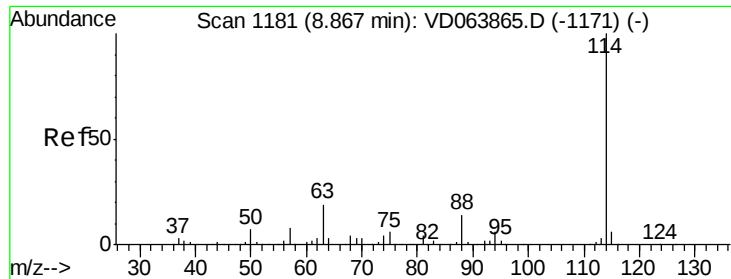
#33
1,2-Dichloroethane-d4
Concen: 69.584 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Tgt Ion: 65 Resp: 52008
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.4



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

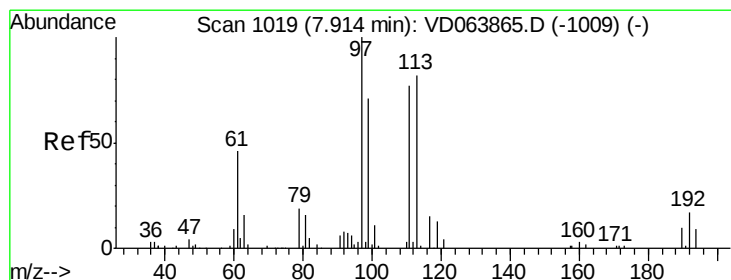
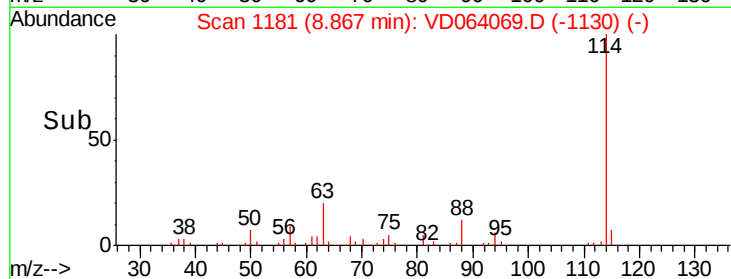
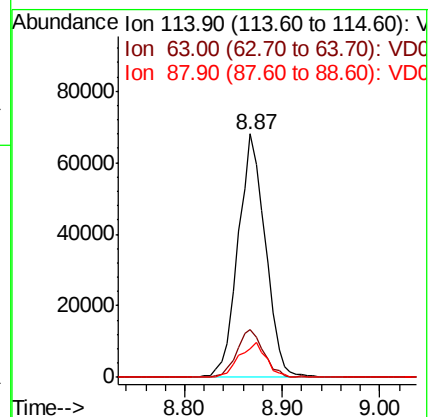
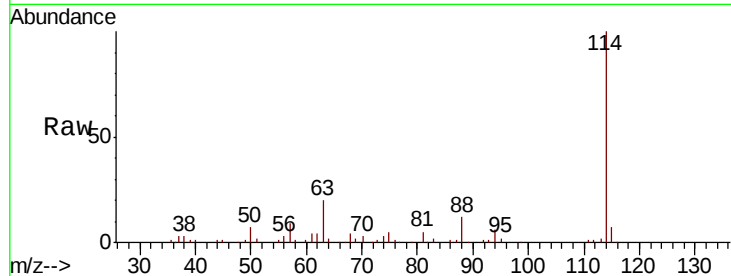




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

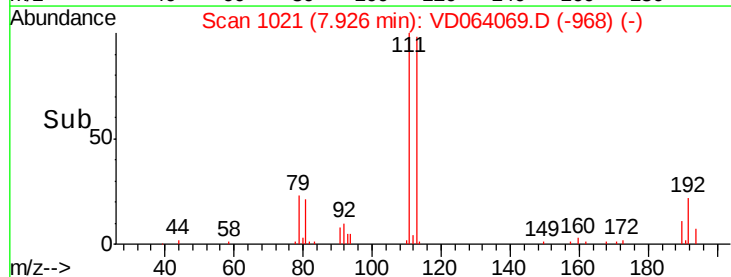
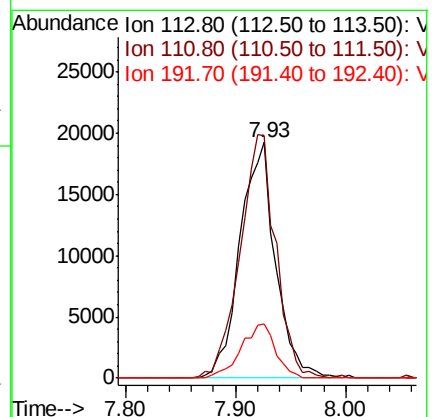
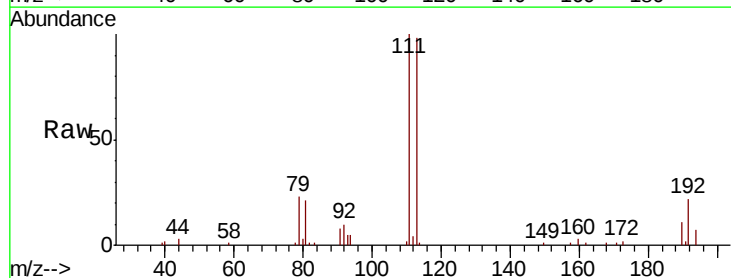
Instrument :
MSVOA_D
ClientSampleId :

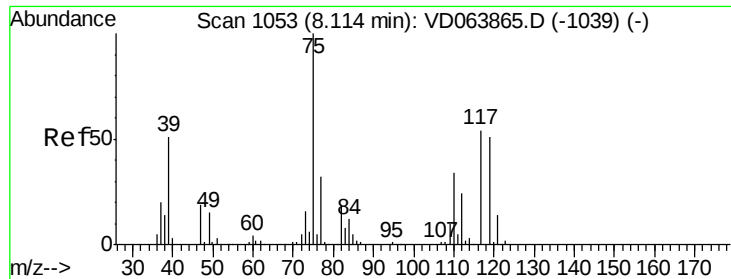
Tot Ion:114 Resp: 131774
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 11.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 54.123 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Tgt Ion:113 Resp: 43586
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 22.1 17.1 25.7





#36

1,1-Dichloropropene

Concen: 5.139 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

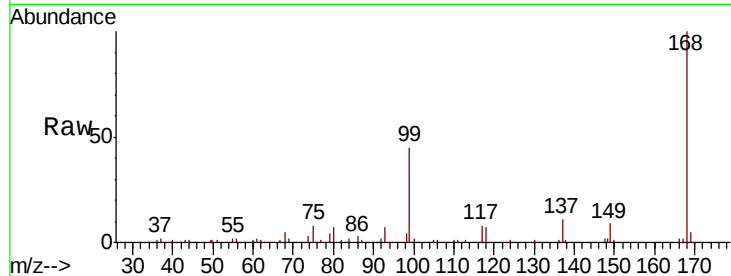
Tot Ion: 75 Resp: 6192

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

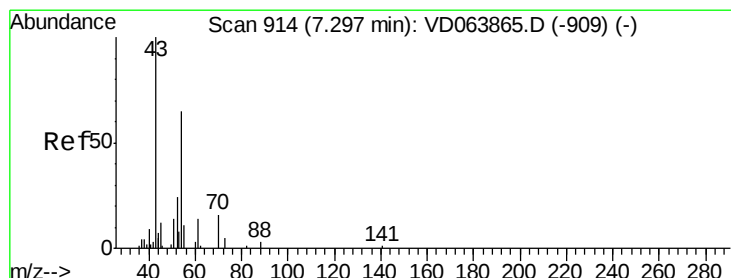
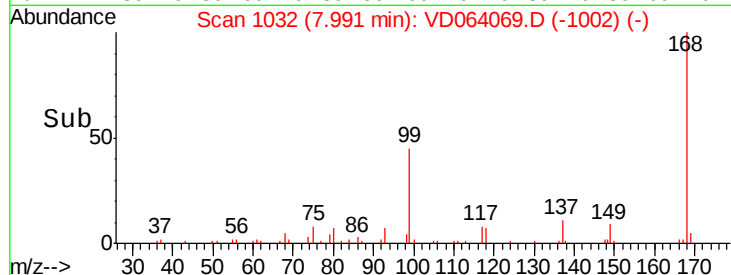
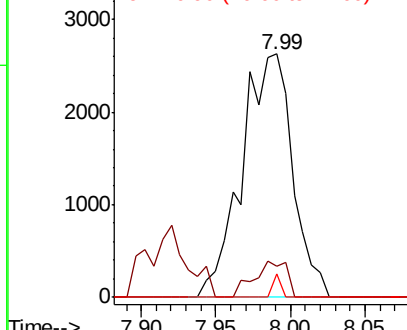
77 1.5 25.4 38.0#



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: 7.33 min Scan# 920

Delta R.T. 0.04 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

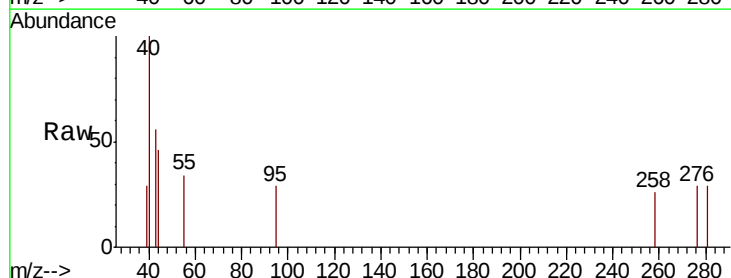
Tgt Ion: 43 Resp: 242

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

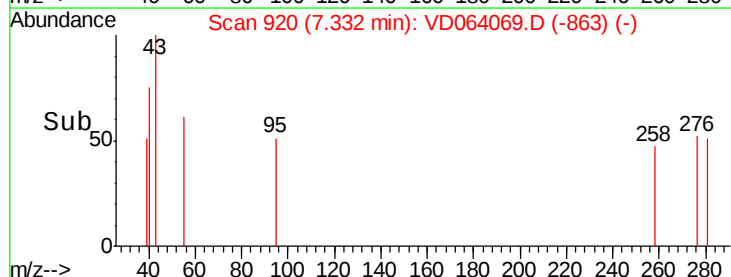
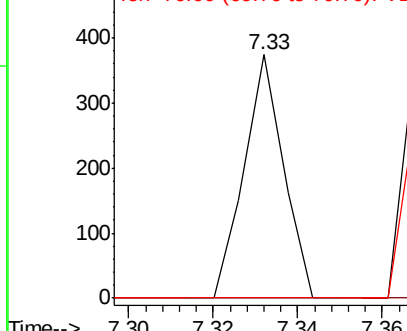
70 0.0 8.2 12.4#

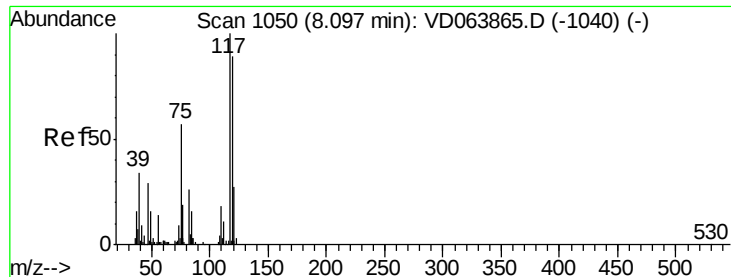


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

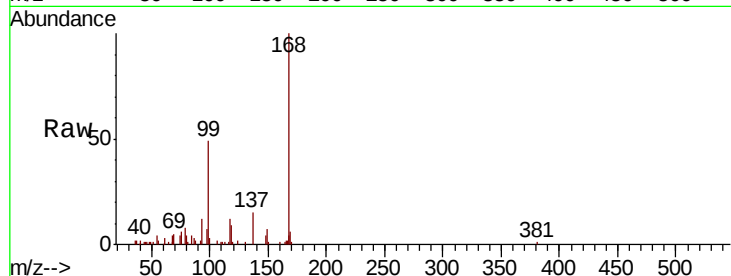
Tot Ion:117 Resp: 7652

Ion Ratio Lower Upper

117 100

119 10.4 70.8 106.2#

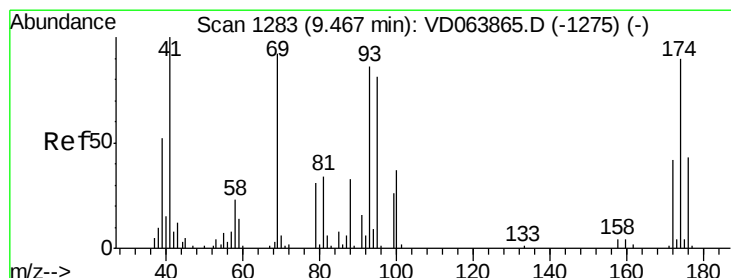
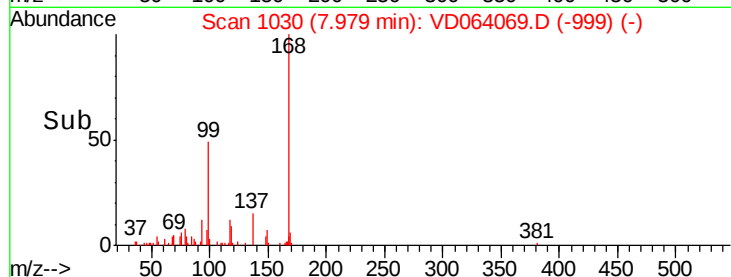
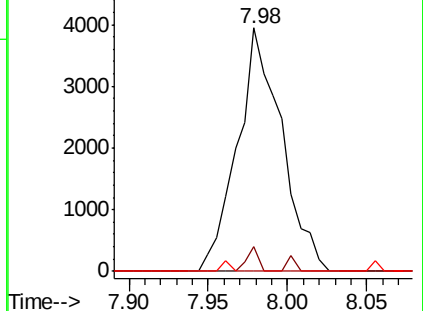
121 0.0 21.4 32.0#



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: 8.981 ug/l

RT: 9.44 min Scan# 1279

Delta R.T. -0.02 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

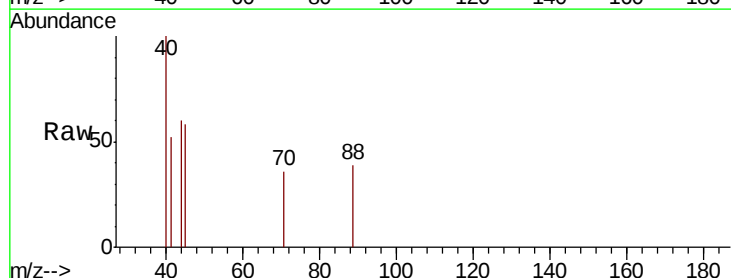
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

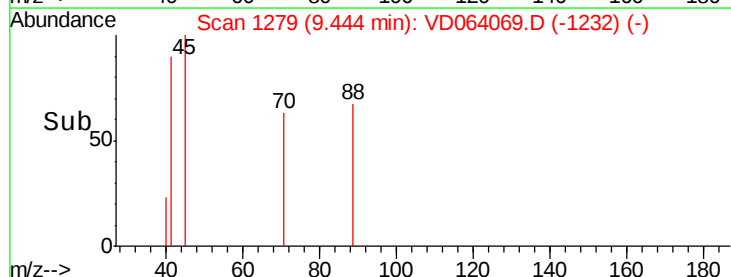
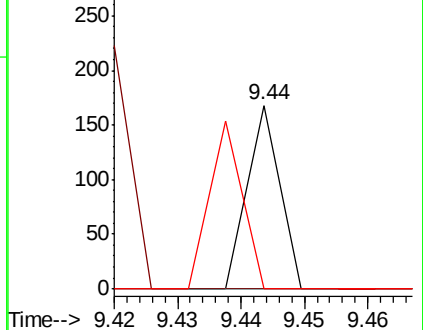
58 91.5 54.1 81.1#

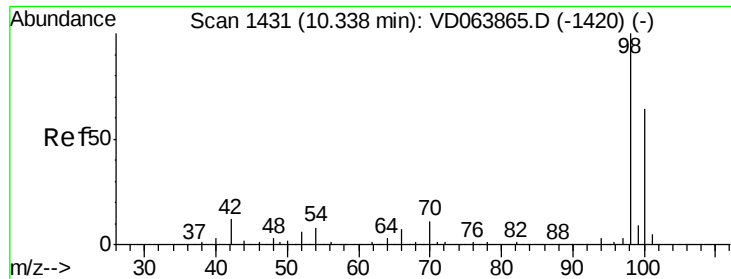


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

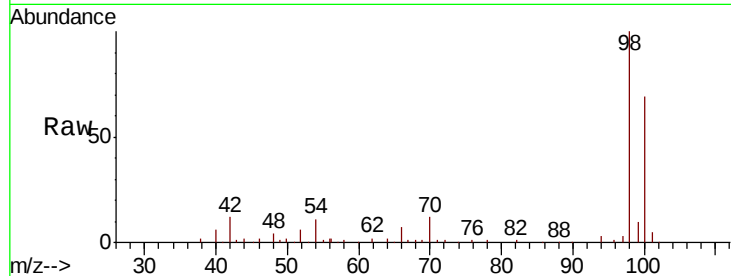




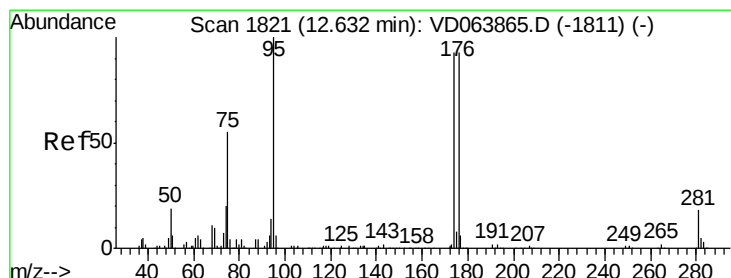
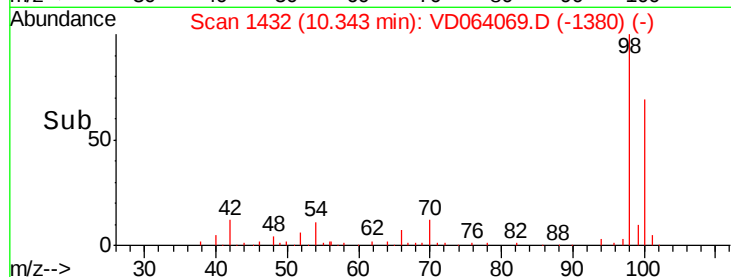
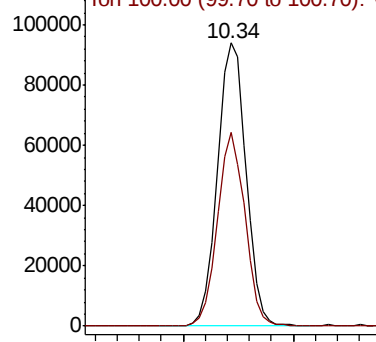
#50
Toluene-d8
Concen: 52.501 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 171606
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

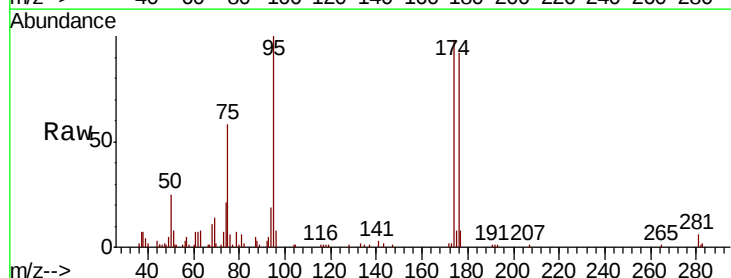


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

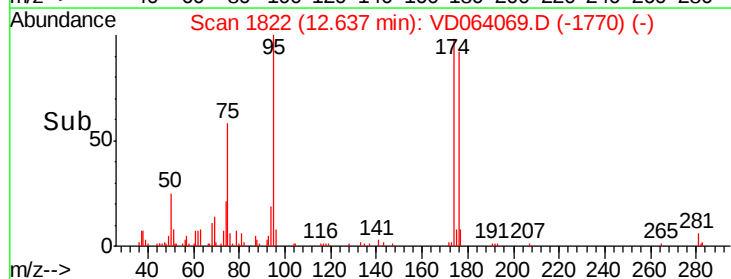
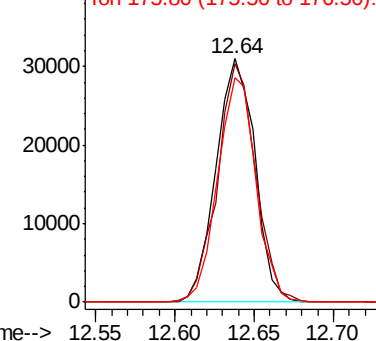


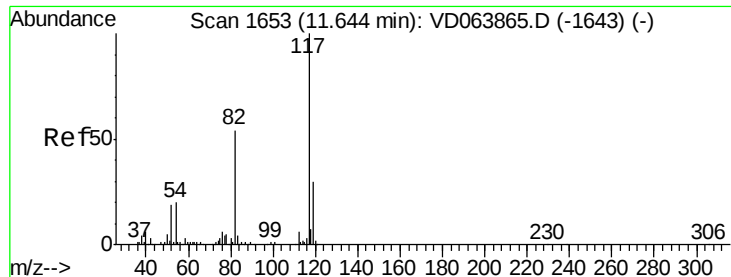
#62
4-Bromofluorobenzene
Concen: 46.480 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Tgt Ion: 95 Resp: 52794
Ion Ratio Lower Upper
95 100
174 96.2 0.0 186.4
176 90.9 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

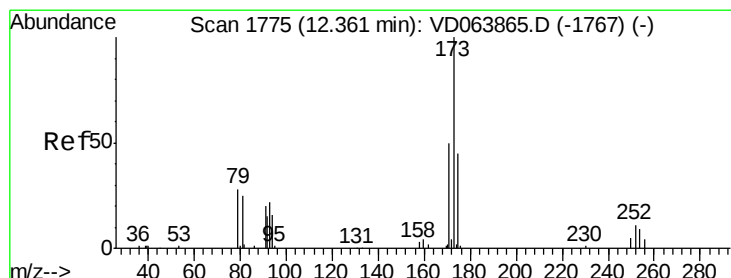
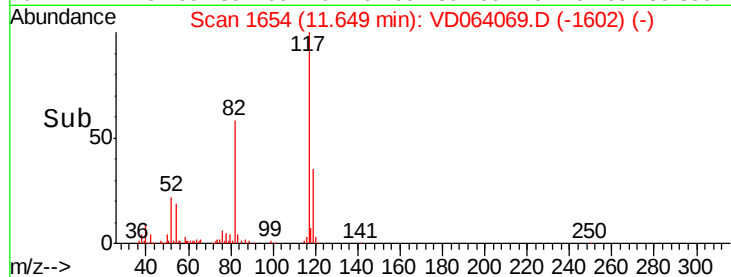
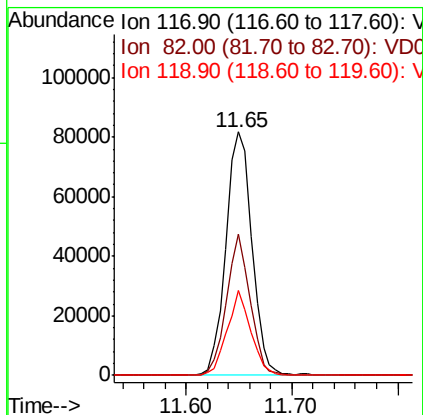
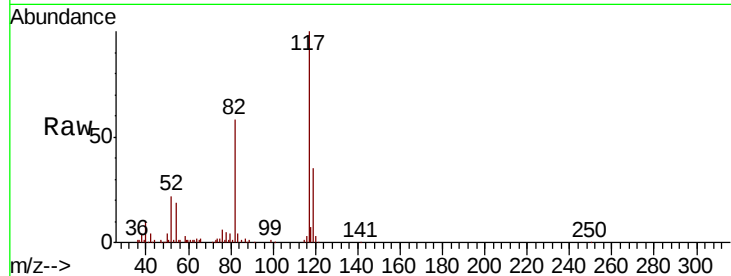




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

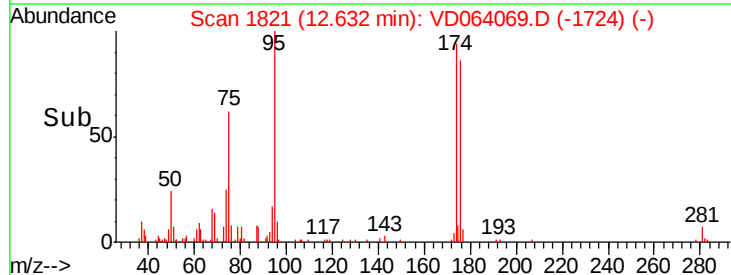
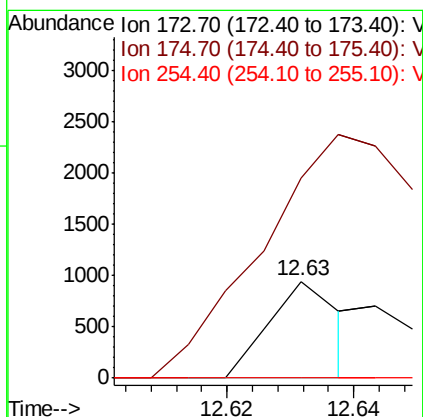
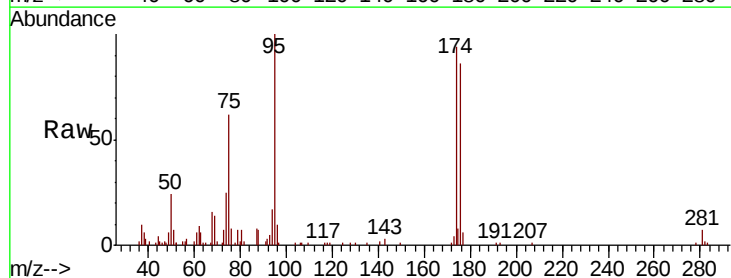
Instrument :
MSVOA_D
ClientSampleID :

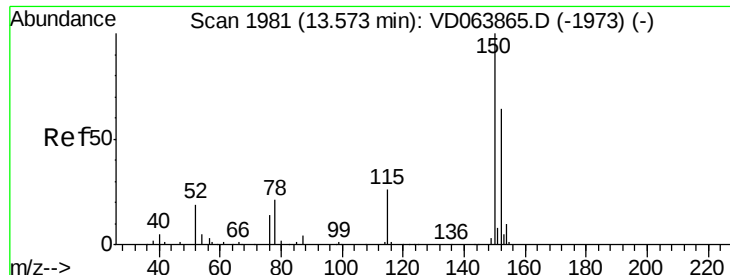
Tot Ion:117 Resp: 138987
Ion Ratio Lower Upper
117 100
82 58.3 42.8 64.2
119 34.8 24.4 36.6



#71
Bromoform
Concen: 1.332 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD064069.D
Acq: 25 Oct 2019 17:01

Tgt Ion:173 Resp: 735
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# 1983

Delta R.T. 0.01 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

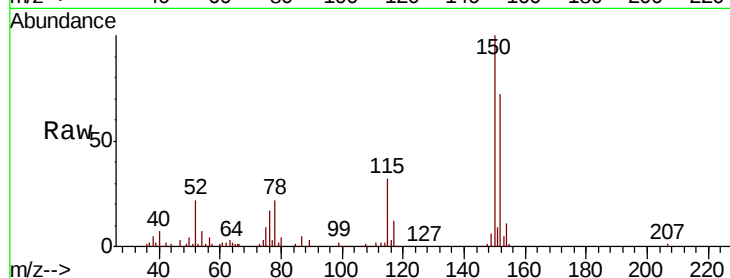
Tot Ion:152 Resp: 68660

Ion Ratio Lower Upper

152 100

115 52.0 25.9 77.7

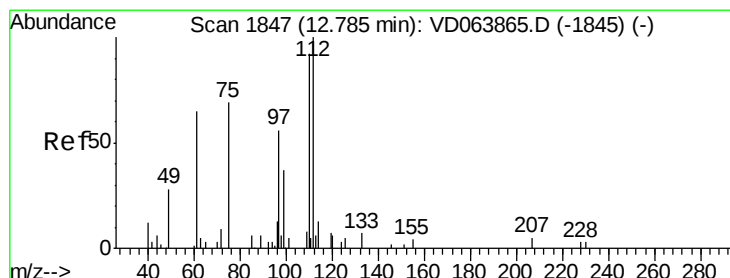
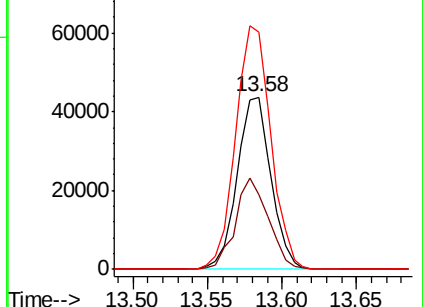
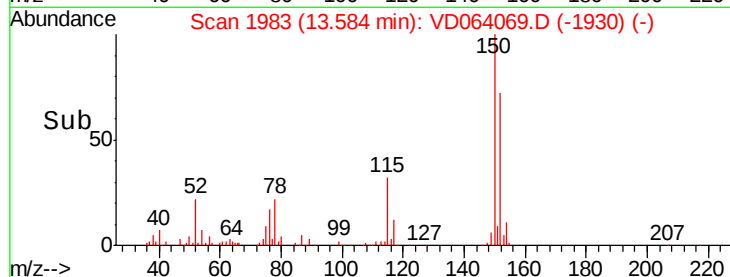
150 147.9 0.0 344.2



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: 66.883 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064069.D

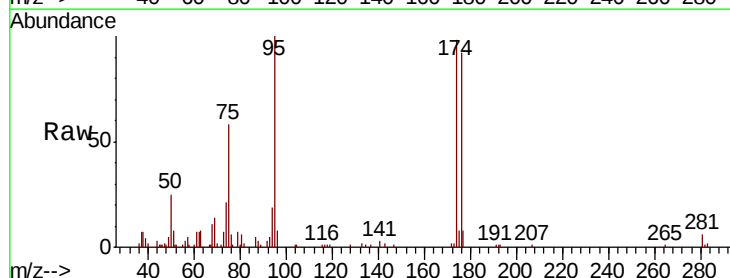
Acq: 25 Oct 2019 17:01

Tgt Ion: 75 Resp: 30757

Ion Ratio Lower Upper

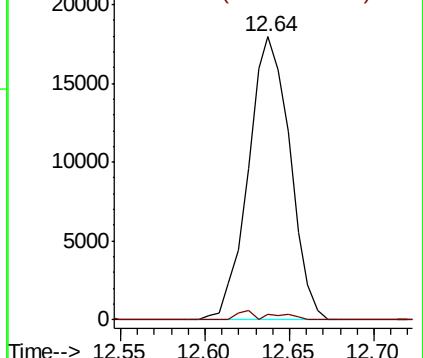
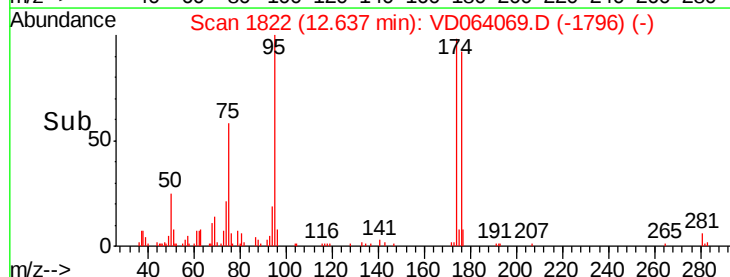
75 100

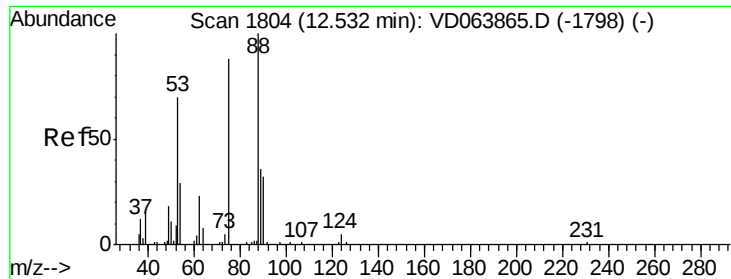
77 1.4 0.0 0.0#



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: 118.355 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

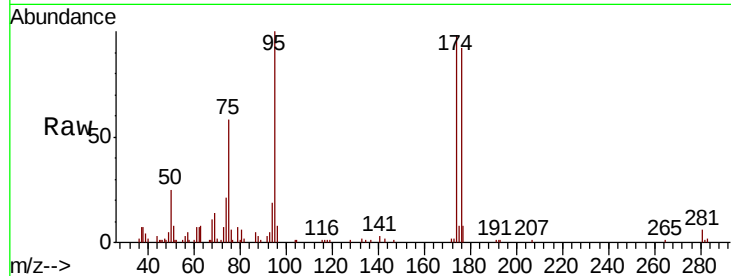
Tot Ion: 75 Resp: 30757

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

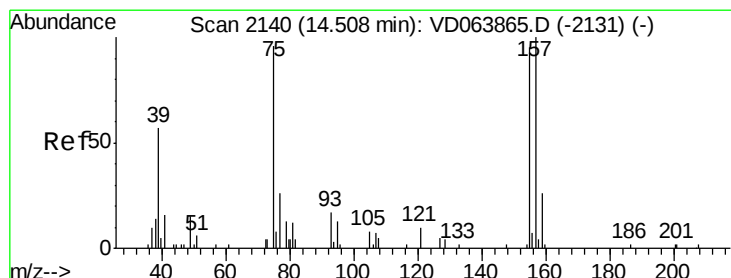
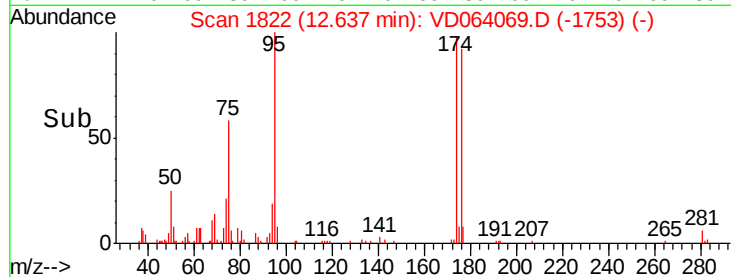
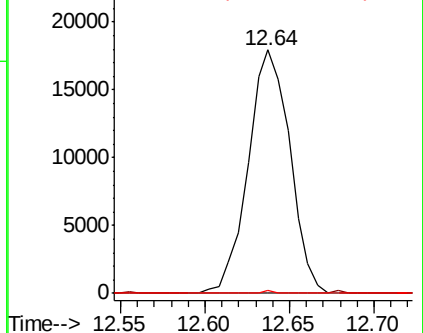
89 0.3 38.2 57.4#



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: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD064069.D

Acq: 25 Oct 2019 17:01

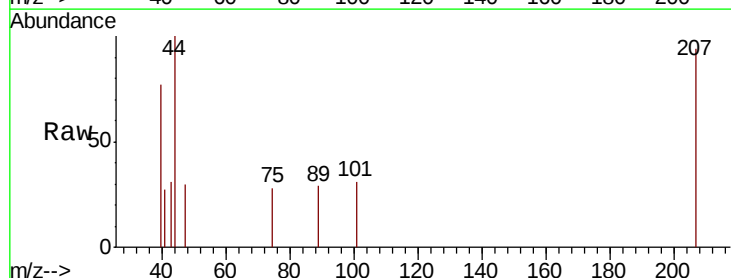
Tgt Ion: 75 Resp: 57

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

