

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066666.D
 Acq On : 14 Sep 2020 11:58
 Operator : VA/SY
 Sample : VD0914SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 01:24:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	785665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	731495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	266713	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.91	113	258285	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.34	98	937338	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.63	95	323168	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

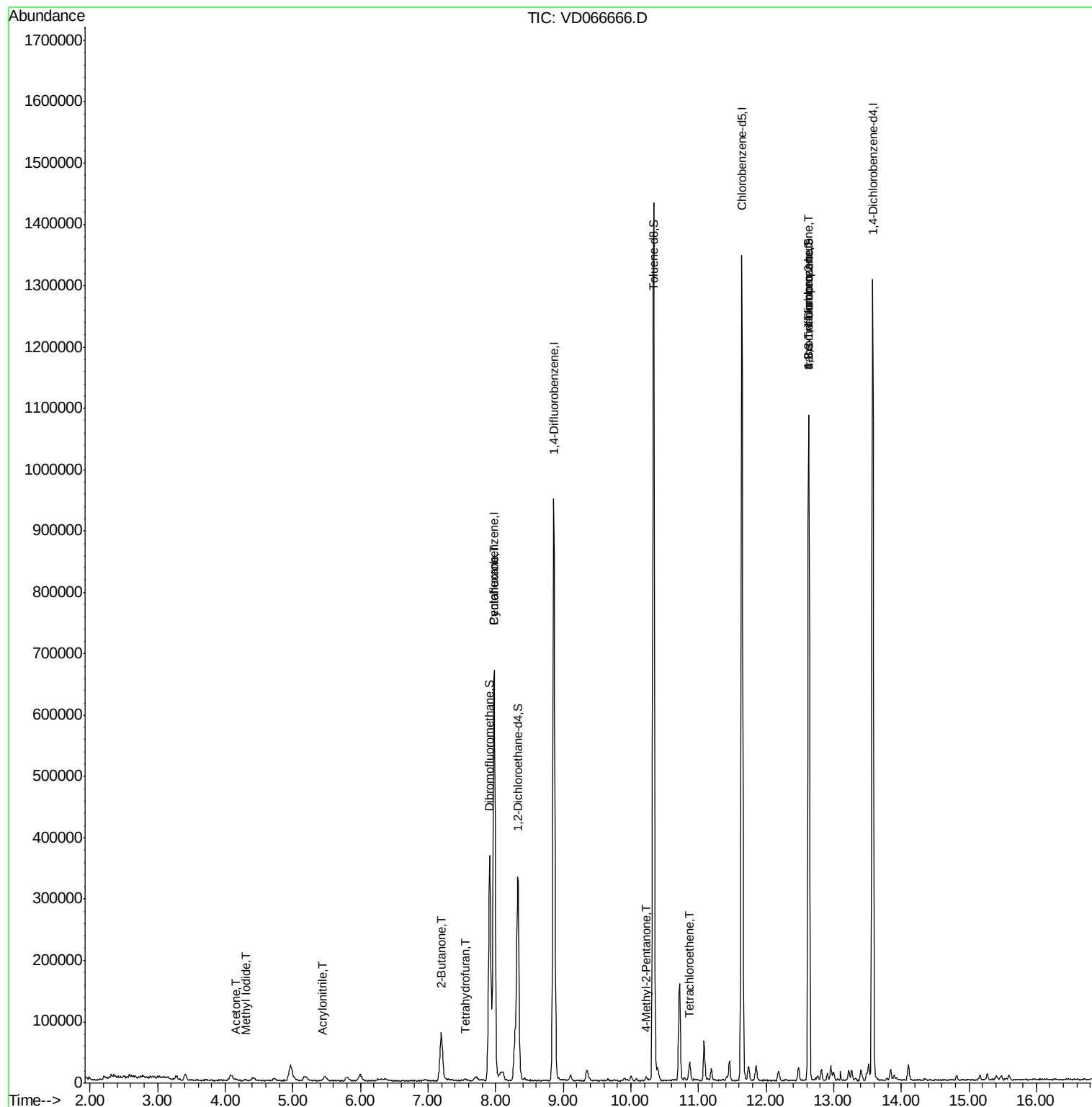
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	2918	Below Cal		82
5) Bromomethane	2.77	94	2477	Below Cal	#	69
10) Methyl Iodide	4.31	142	2647	4.548 ug/l	#	40
11) Tert butyl alcohol	5.19	59	6704	Below Cal	#	74
15) Acrylonitrile	5.44	53	1495	1.471 ug/l	#	30
16) Acetone	4.16	43	4190	4.152 ug/l	#	79
20) Methylene Chloride	4.96	84	18950	Below Cal		98
25) 2-Butanone	7.20	43	5359	3.956 ug/l		95
29) Tetrahydrofuran	7.55	42	1243	1.473 ug/l	#	46
31) Cyclohexane	7.98	56	17762	1.985 ug/l	#	57
51) 4-Methyl-2-Pentanone	10.23	43	4790	1.522 ug/l		94
64) Tetrachloroethene	10.87	164	5762	1.170 ug/l		93
76) 1,2,3-Trichloropropane	12.63	75	180249	57.044 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	180249	133.177 ug/l	#	7

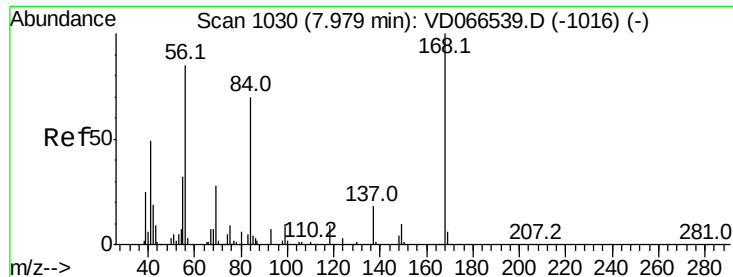
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 01:57:04 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Instrument :

MSVOA_D

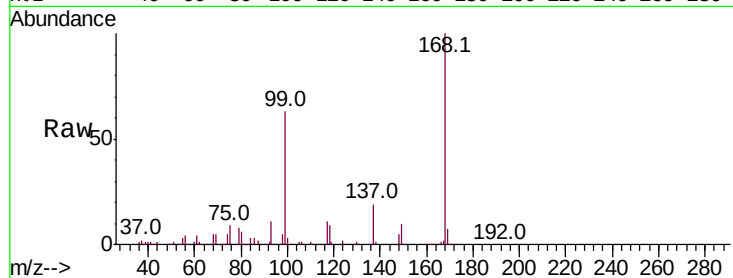
ClientSampleId :

Tot Ion:168 Resp: 453330

Ion Ratio Lower Upper

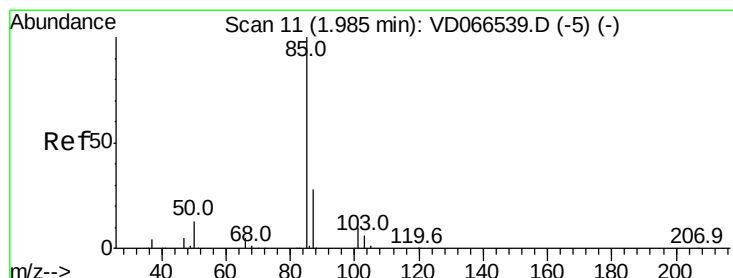
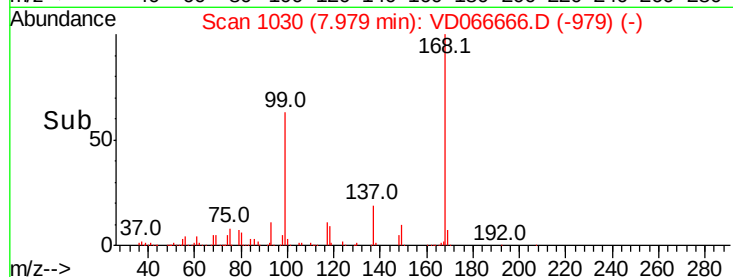
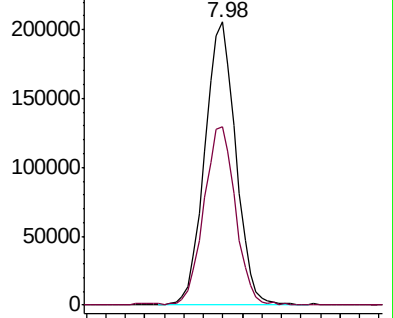
168 100

99 62.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066666.D

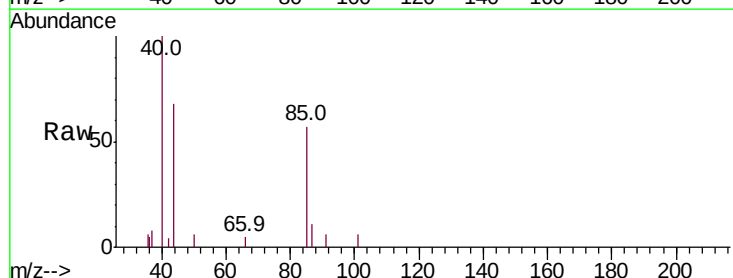
Acq: 14 Sep 2020 11:58

Tgt Ion: 85 Resp: 2918

Ion Ratio Lower Upper

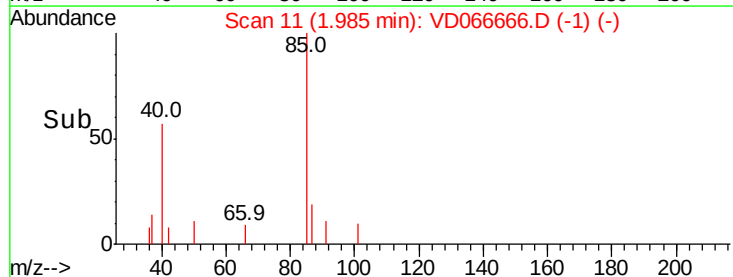
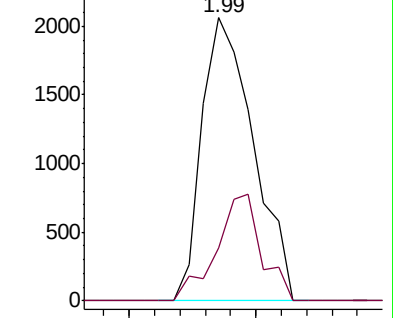
85 100

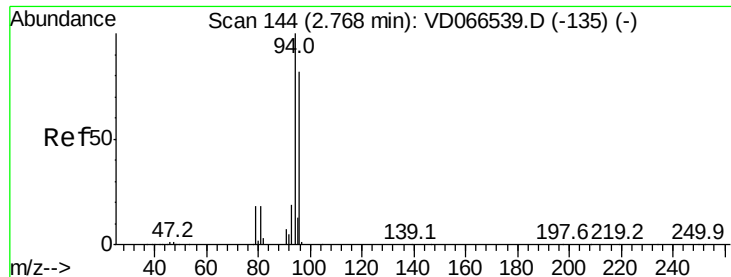
87 18.7 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Instrument :

MSVOA_D

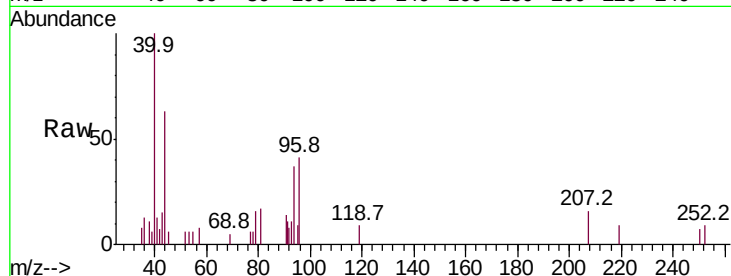
ClientSampleId :

Tot Ion: 94 Resp: 2477

Ion Ratio Lower Upper

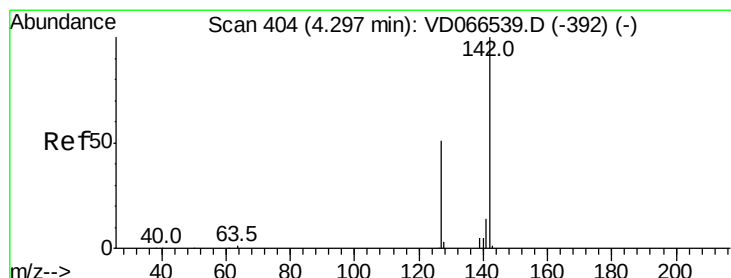
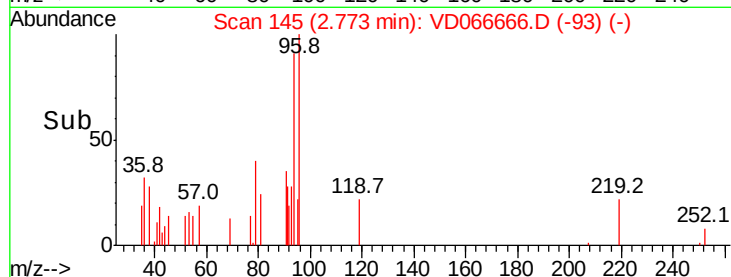
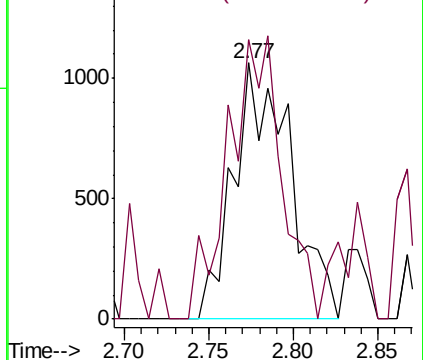
94 100

96 109.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.548 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

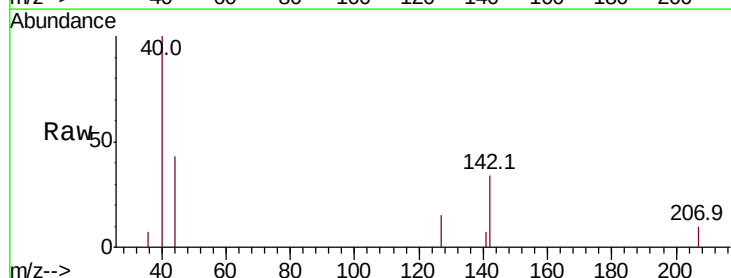
Tgt Ion: 142 Resp: 2647

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

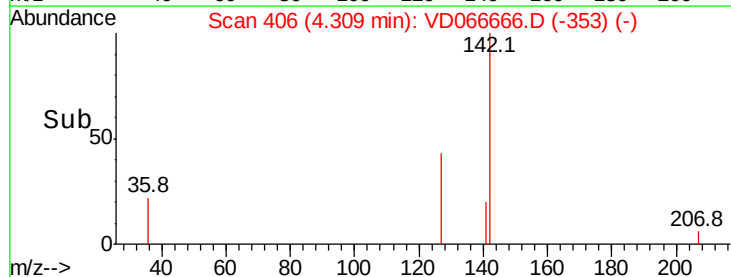
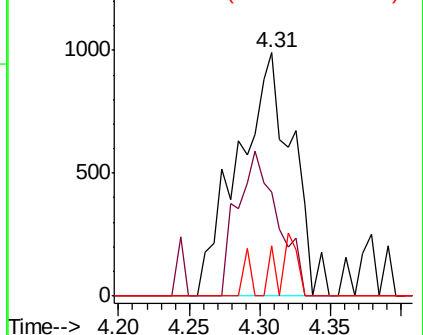
141 8.7 12.2 18.4#

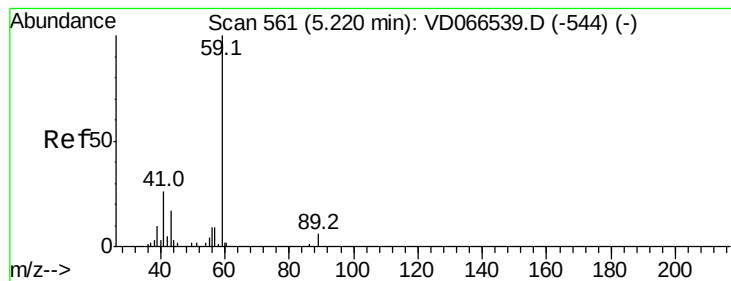


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



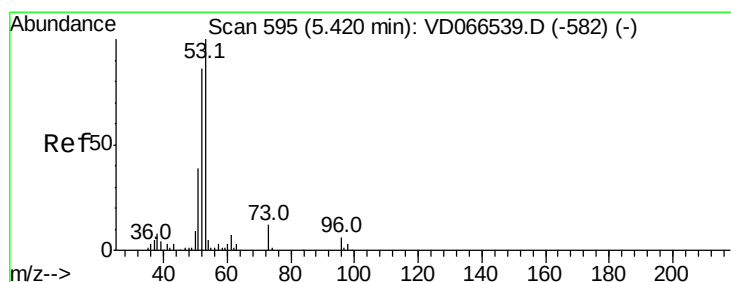
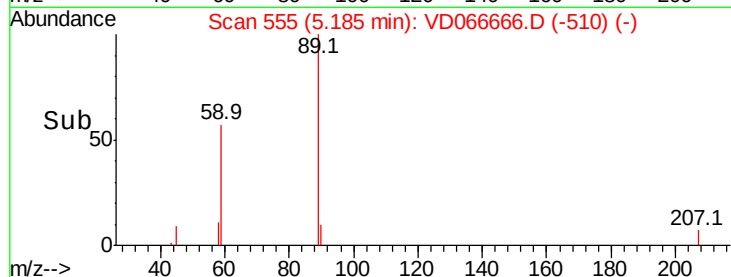
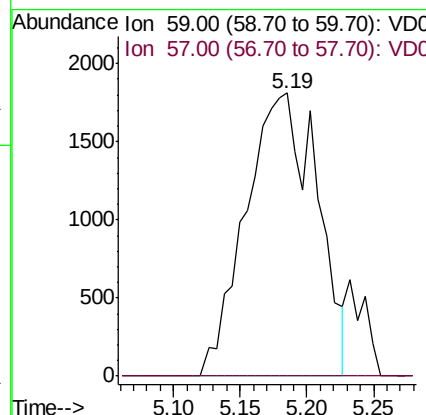
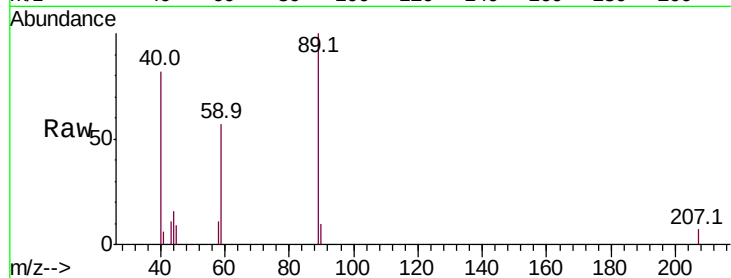


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066666.D
 Acq: 14 Sep 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :

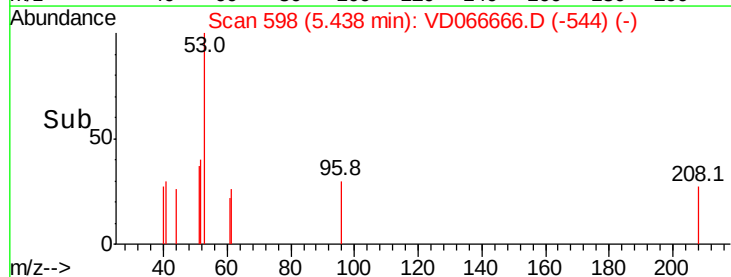
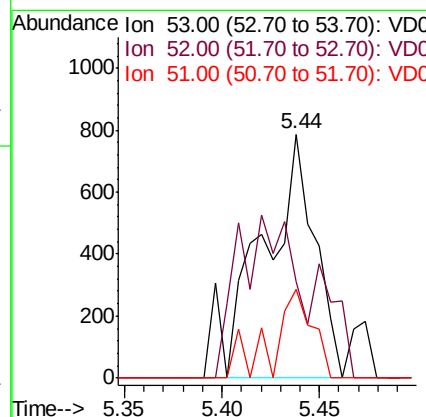
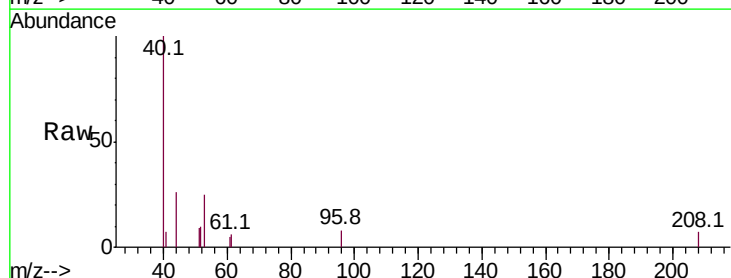
Tot Ion: 59 Resp: 6704
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

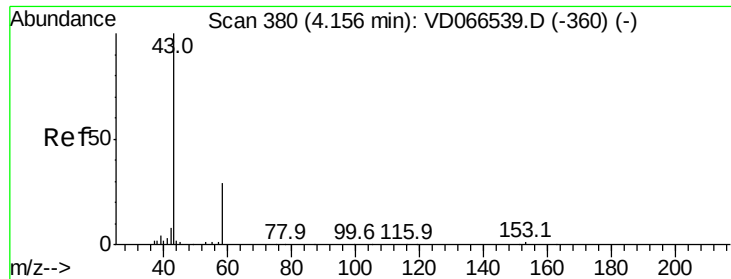


#15

Acrylonitrile
 Concen: 1.471 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: VD066666.D
 Acq: 14 Sep 2020 11:58

Tgt Ion: 53 Resp: 1495
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.4 98.2#
 51 23.5 31.2 46.8#





#16

Acetone

Concen: 4.152 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Instrument :

MSVOA_D

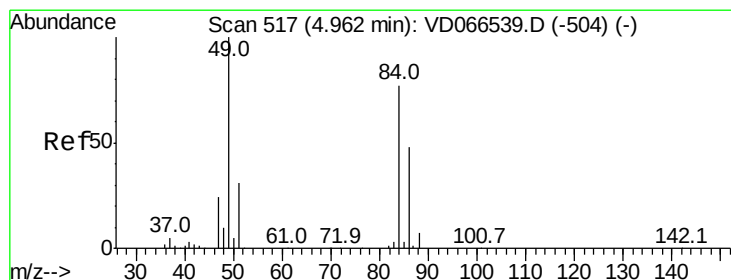
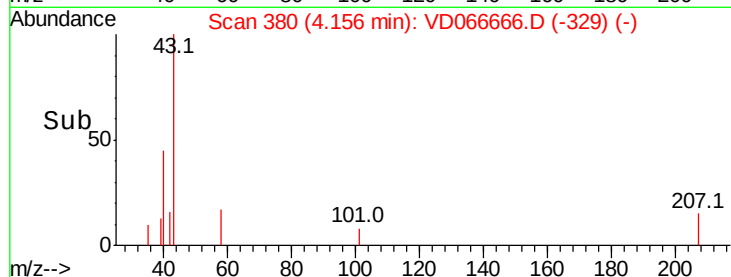
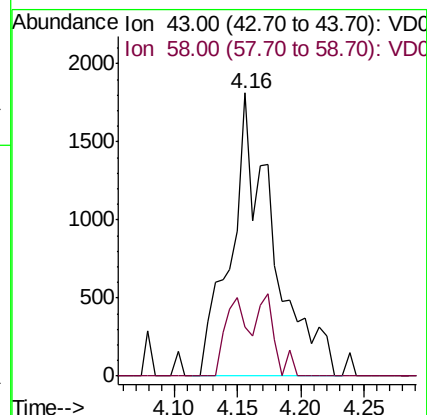
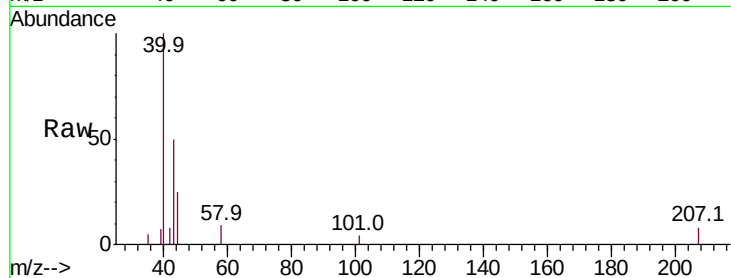
ClientSampleId :

Tot Ion: 43 Resp: 4190

Ion Ratio Lower Upper

43 100

58 17.4 22.9 34.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Tgt Ion: 84 Resp: 18950

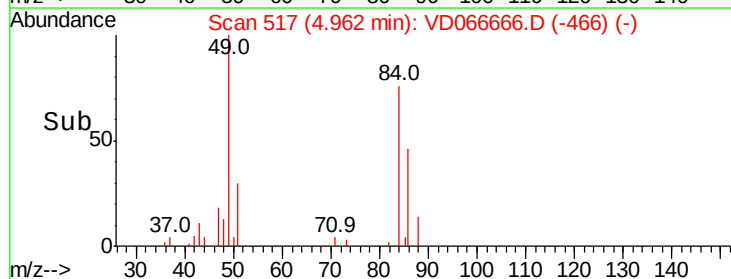
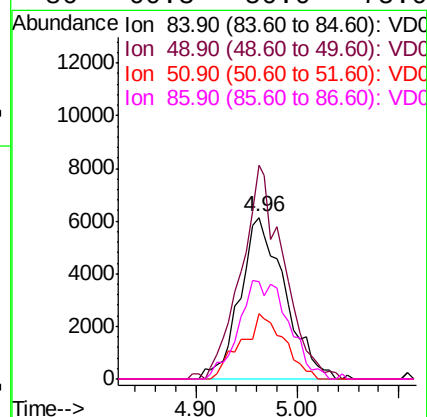
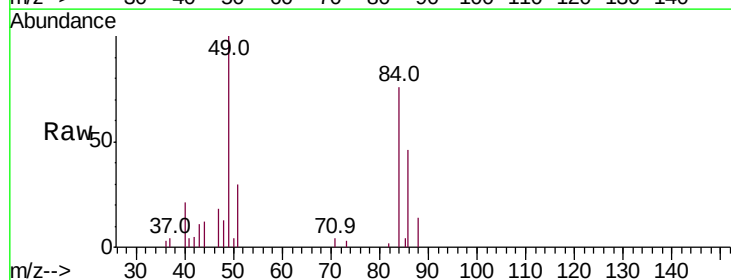
Ion Ratio Lower Upper

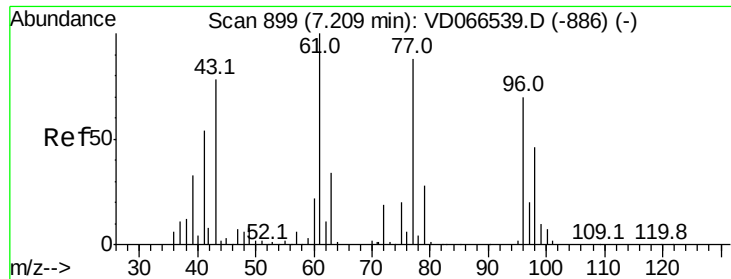
84 100

49 132.3 104.3 156.5

51 40.3 32.2 48.4

86 60.3 50.0 75.0

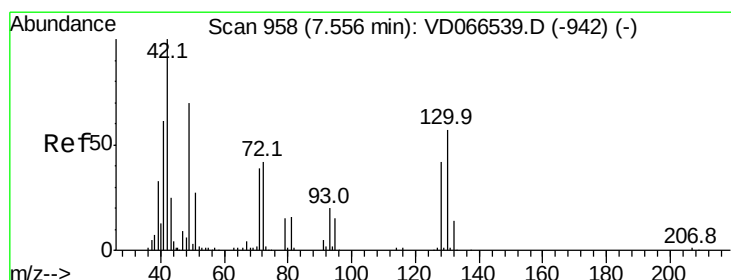
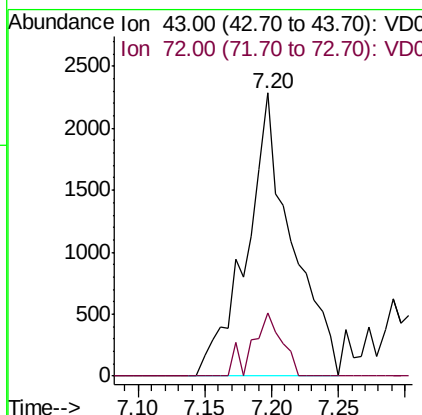
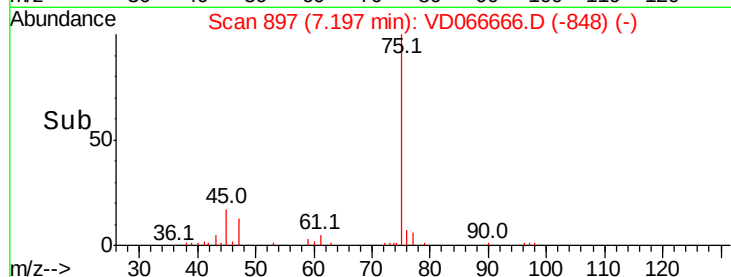
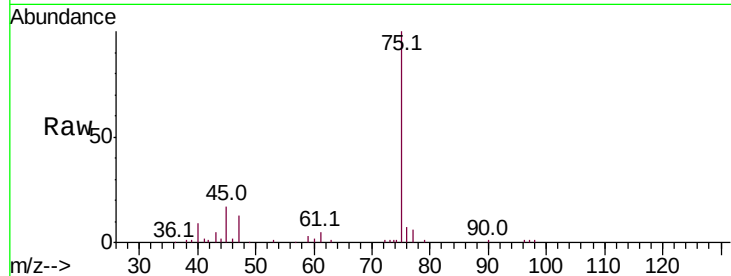




#25
2-Butanone
Concen: 3.956 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

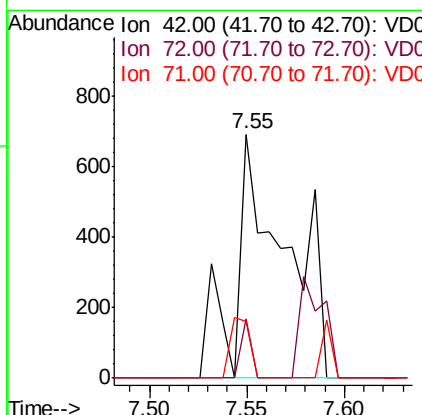
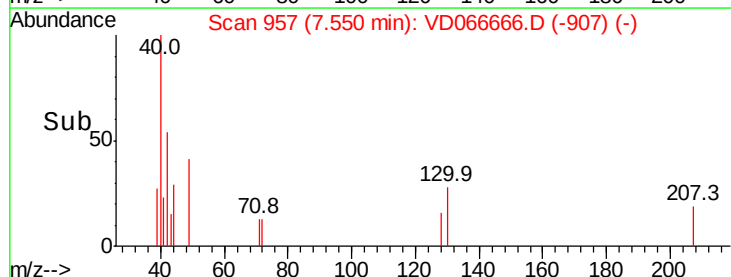
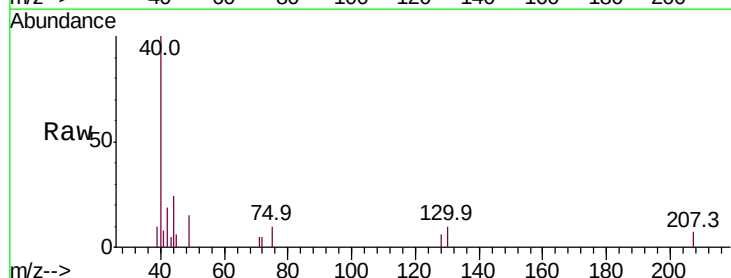
Instrument :
MSVOA_D
ClientSampled :

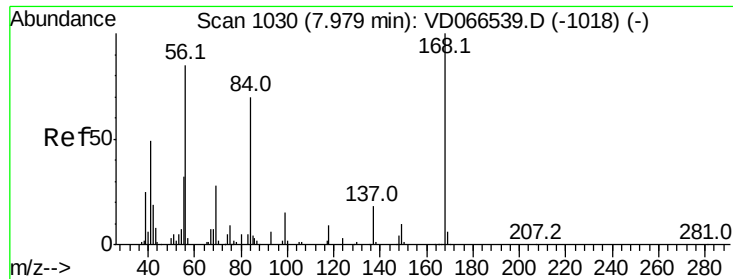
Tot Ion: 43 Resp: 5359
Ion Ratio Lower Upper
43 100
72 22.2 19.8 29.6



#29
Tetrahydrofuran
Concen: 1.473 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Tgt Ion: 42 Resp: 1243
Ion Ratio Lower Upper
42 100
72 4.8 33.4 50.0#
71 9.5 31.9 47.9#

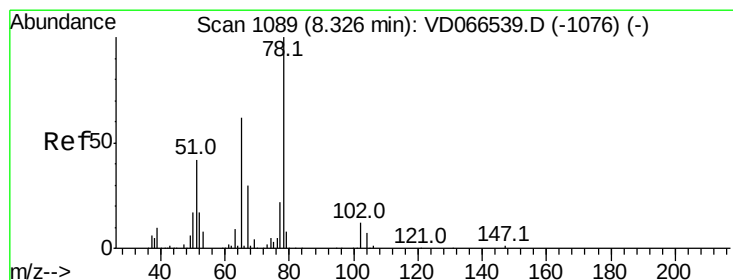
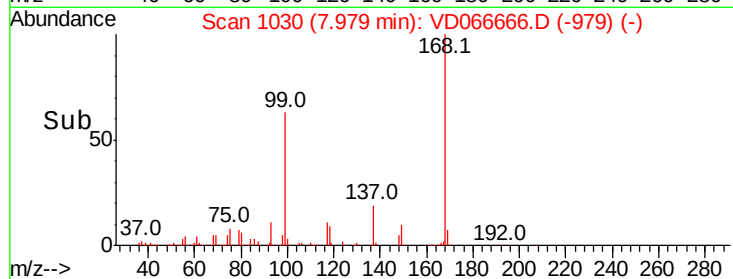
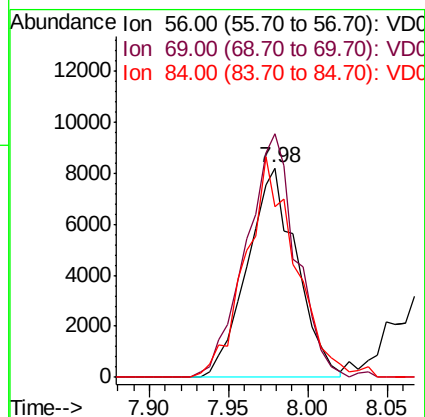
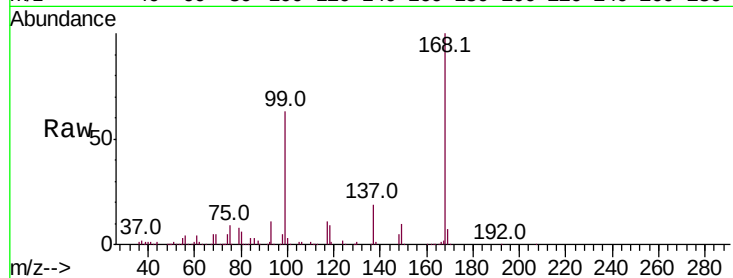




#31
Cyclohexane
Concen: 1.985 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

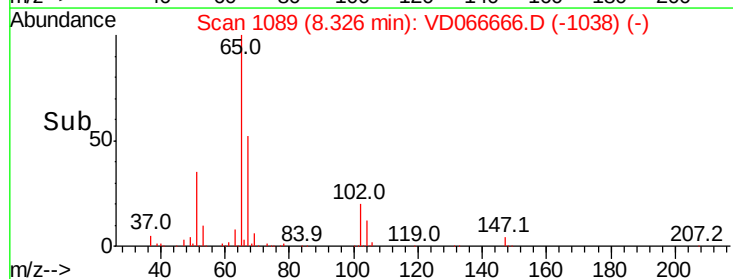
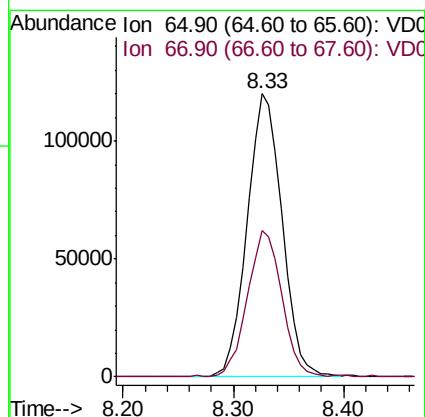
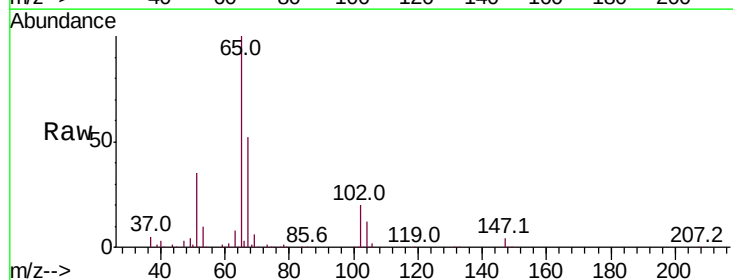
Instrument :
MSVOA_D
ClientSampled :

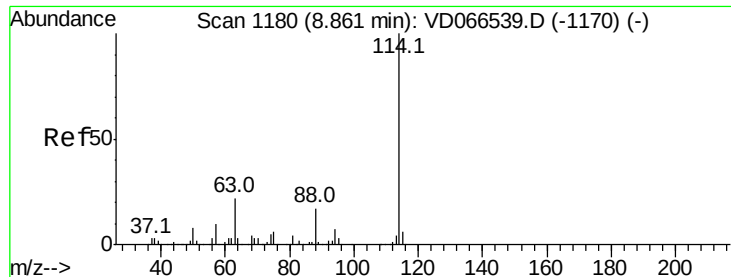
Tot Ion: 56 Resp: 17762
Ion Ratio Lower Upper
56 100
69 116.3 26.3 39.5#
84 81.3 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 48.627 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Tgt Ion: 65 Resp: 266713
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.8

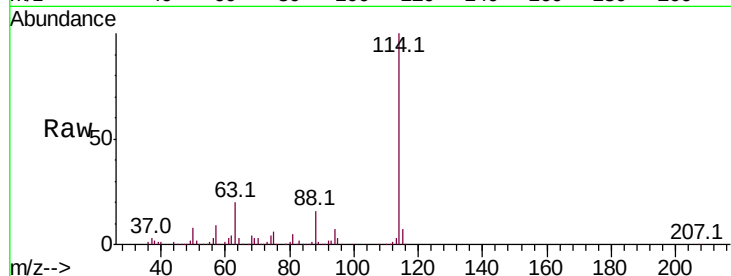




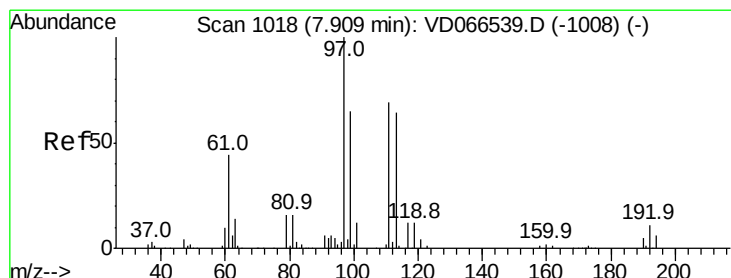
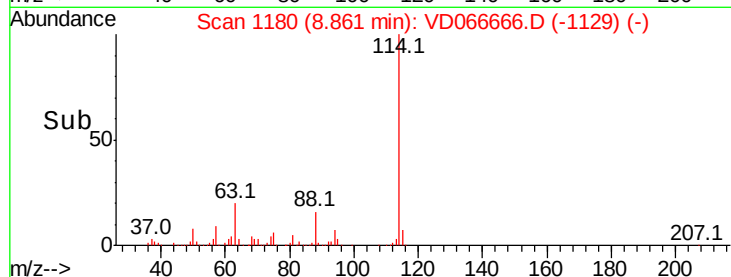
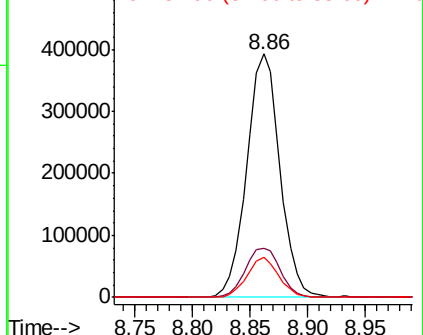
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 785665
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 16.3 0.0 33.2

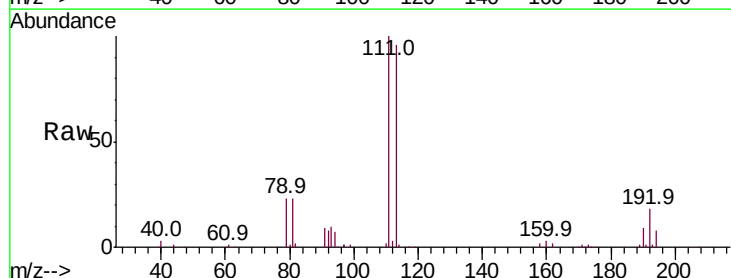


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

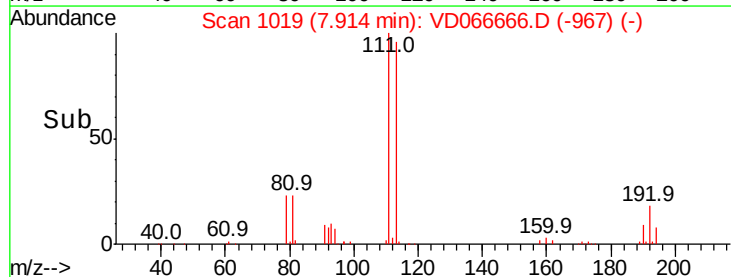
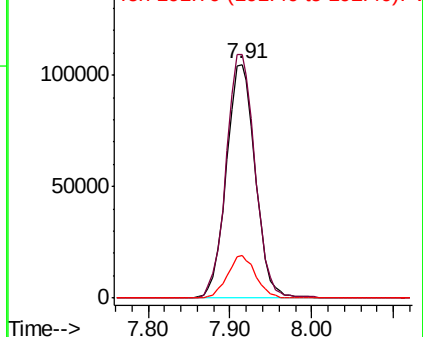


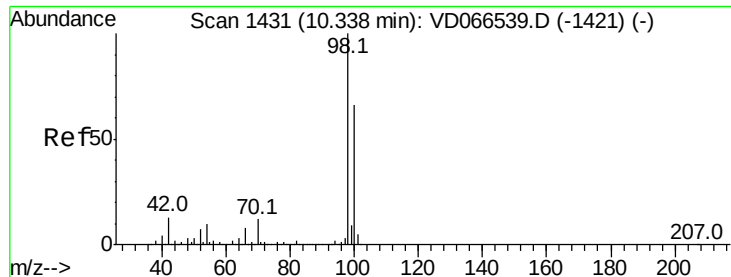
#35
Dibromofluoromethane
Concen: 48.731 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Tgt Ion:113 Resp: 258285
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 17.8 13.7 20.5



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

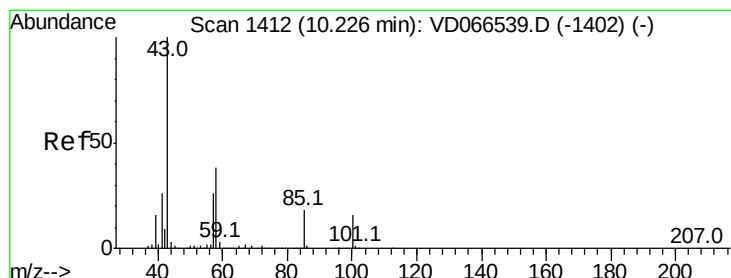
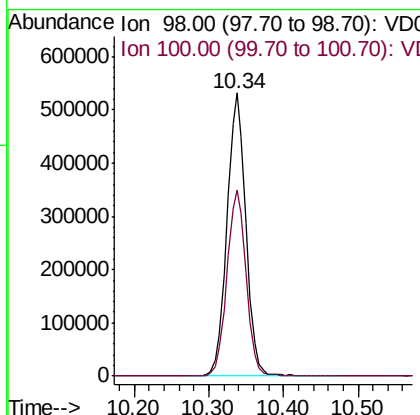
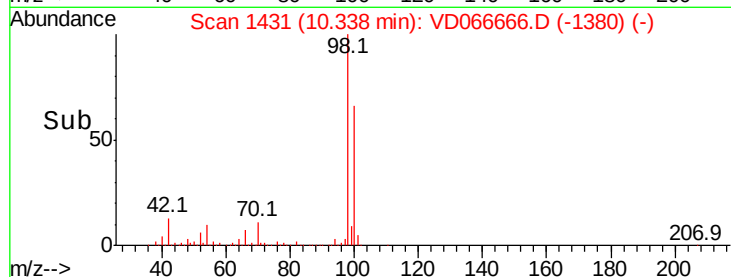
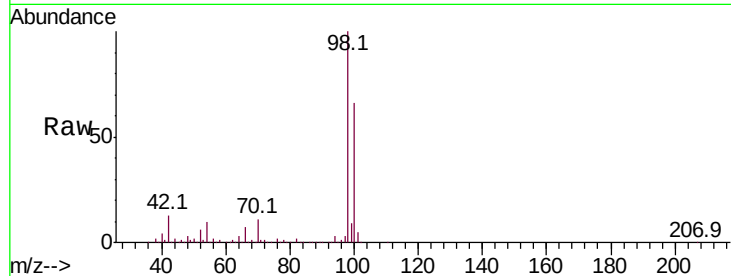




#50
Toluene-d8
Concen: 49.481 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

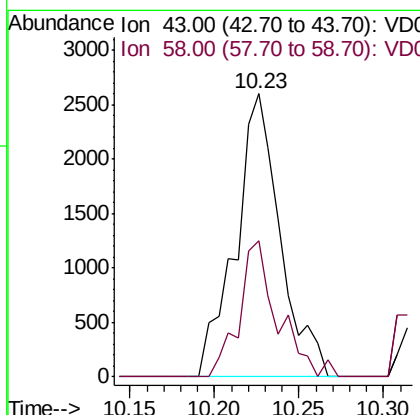
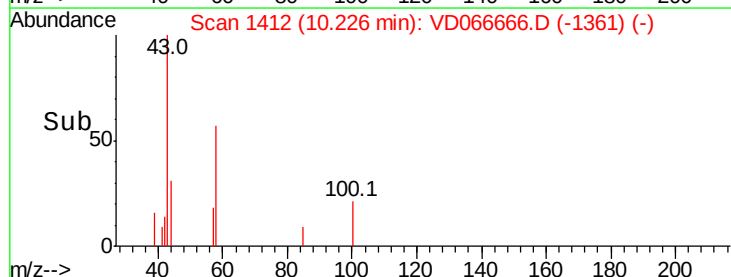
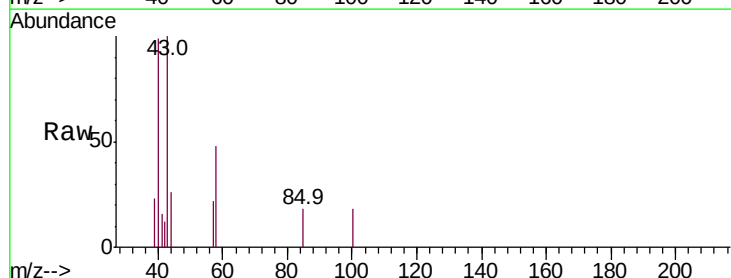
Instrument :
MSVOA_D
ClientSampled :

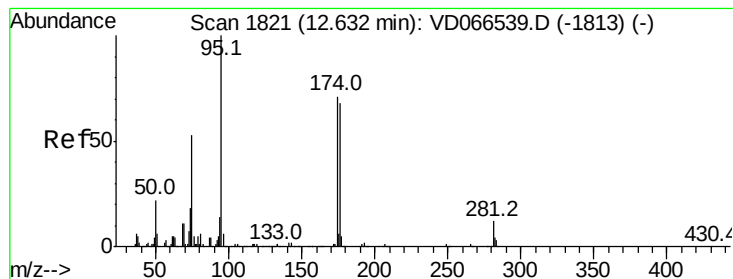
Tot Ion: 98 Resp: 937338
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.522 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Tgt Ion: 43 Resp: 4790
Ion Ratio Lower Upper
43 100
58 41.5 30.5 45.7





#62

4-Bromofluorobenzene

Concen: 51.448 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Instrument :

MSVOA_D

ClientSampled :

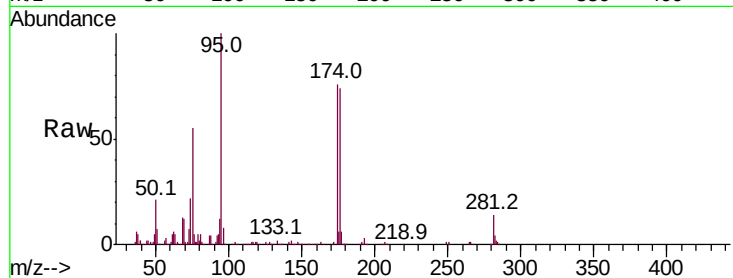
Tot Ion: 95 Resp: 323168

Ion Ratio Lower Upper

95 100

174 77.0 0.0 155.8

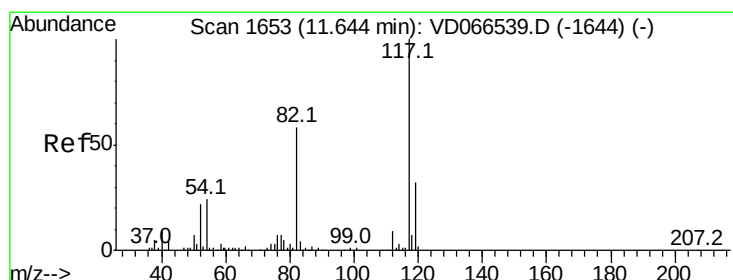
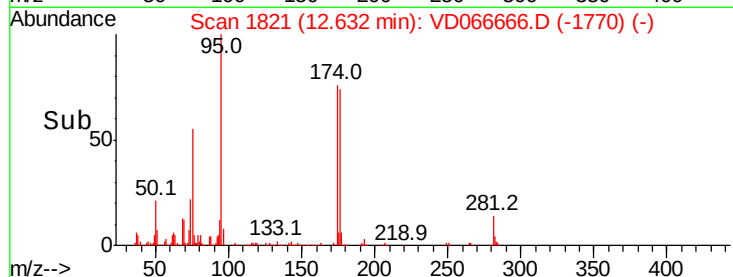
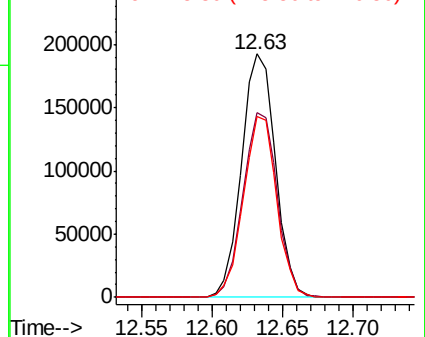
176 73.2 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

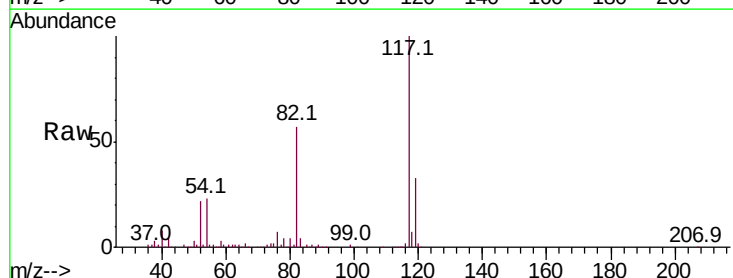
Tgt Ion: 117 Resp: 731495

Ion Ratio Lower Upper

117 100

82 57.2 46.2 69.2

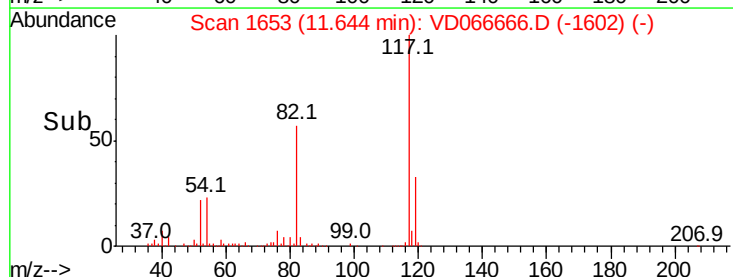
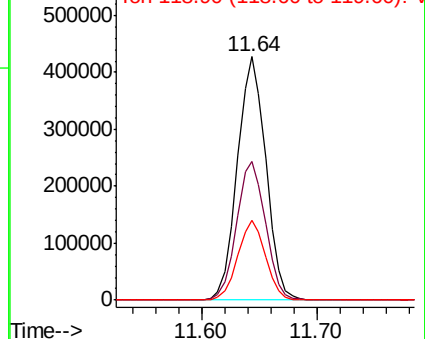
119 32.9 25.8 38.8

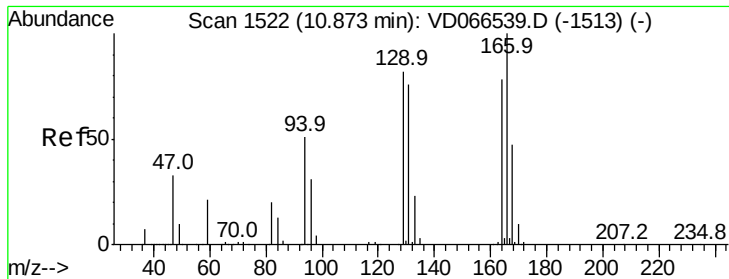


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

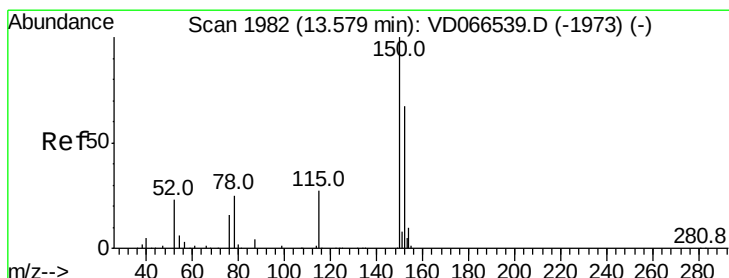
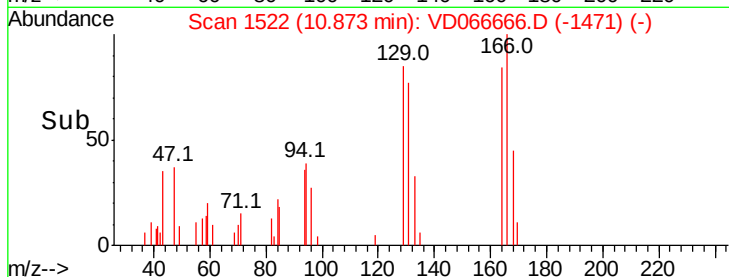
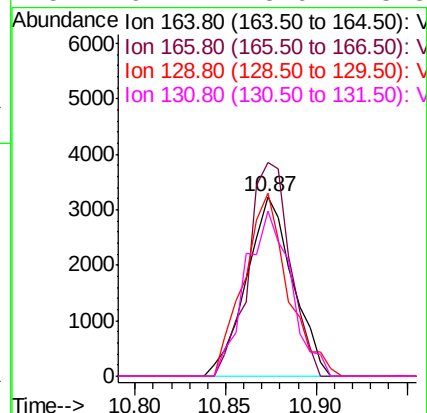
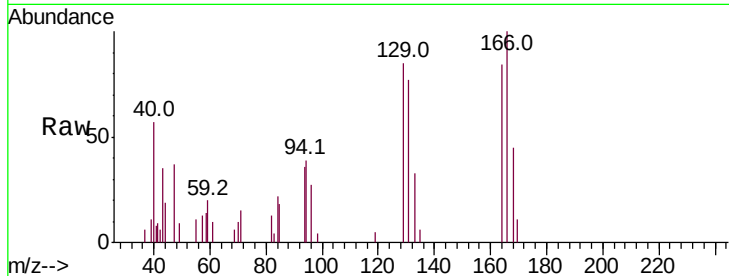




#64
Tetrachloroethene
Concen: 1.170 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

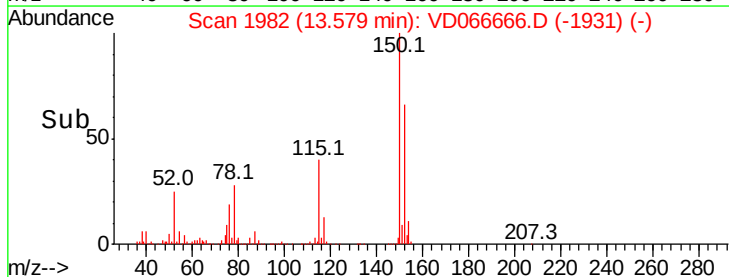
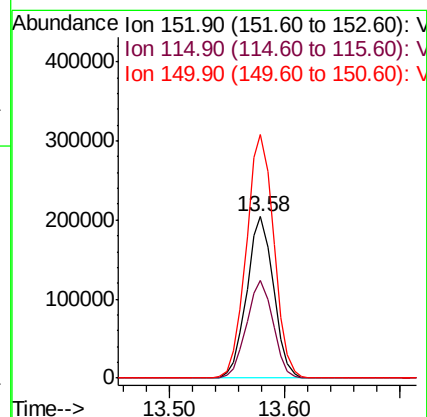
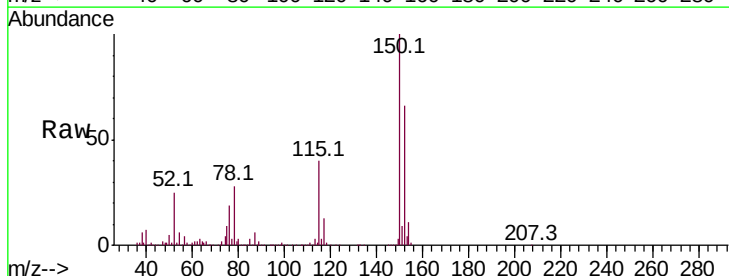
Instrument :
MSVOA_D
ClientSampleId :

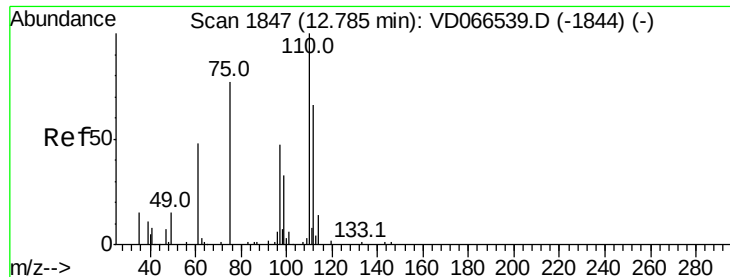
Tot Ion:164 Resp: 5762
Ion Ratio Lower Upper
164 100
166 118.9 103.2 154.8
129 101.5 84.5 126.7
131 91.7 78.9 118.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 14 Sep 2020 11:58

Tgt Ion:152 Resp: 328557
Ion Ratio Lower Upper
152 100
115 60.4 30.4 91.2
150 155.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 57.044 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

Instrument :

MSVOA_D

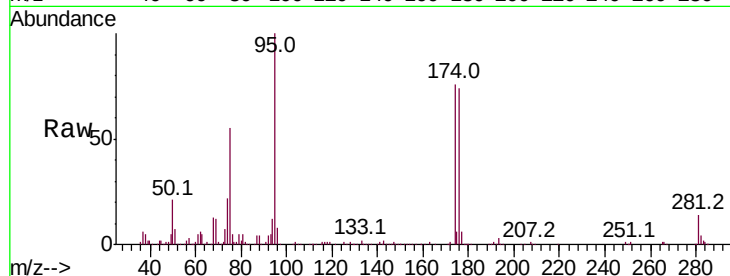
ClientSampled :

Tot Ion: 75 Resp: 180249

Ion Ratio Lower Upper

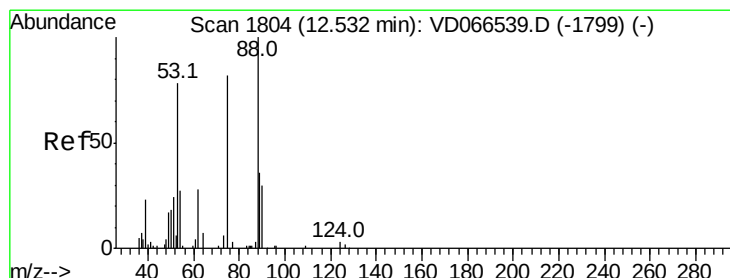
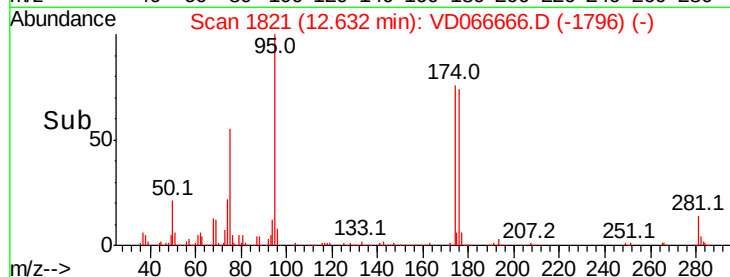
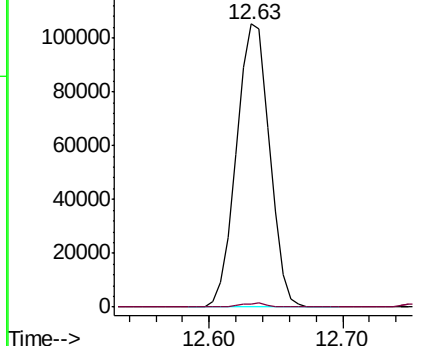
75 100

77 1.3 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: 133.177 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066666.D

Acq: 14 Sep 2020 11:58

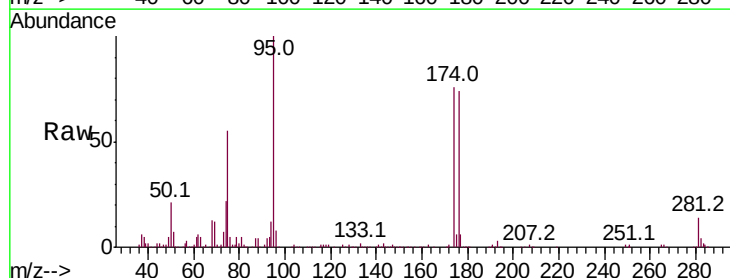
Tgt Ion: 75 Resp: 180249

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.3 37.1 55.7#



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

