

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067043.D
 Acq On : 02 Oct 2020 18:42
 Operator : VA/SY
 Sample : L4195-01RE
 Misc : 4.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200010

Quant Time: Oct 03 04:49:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

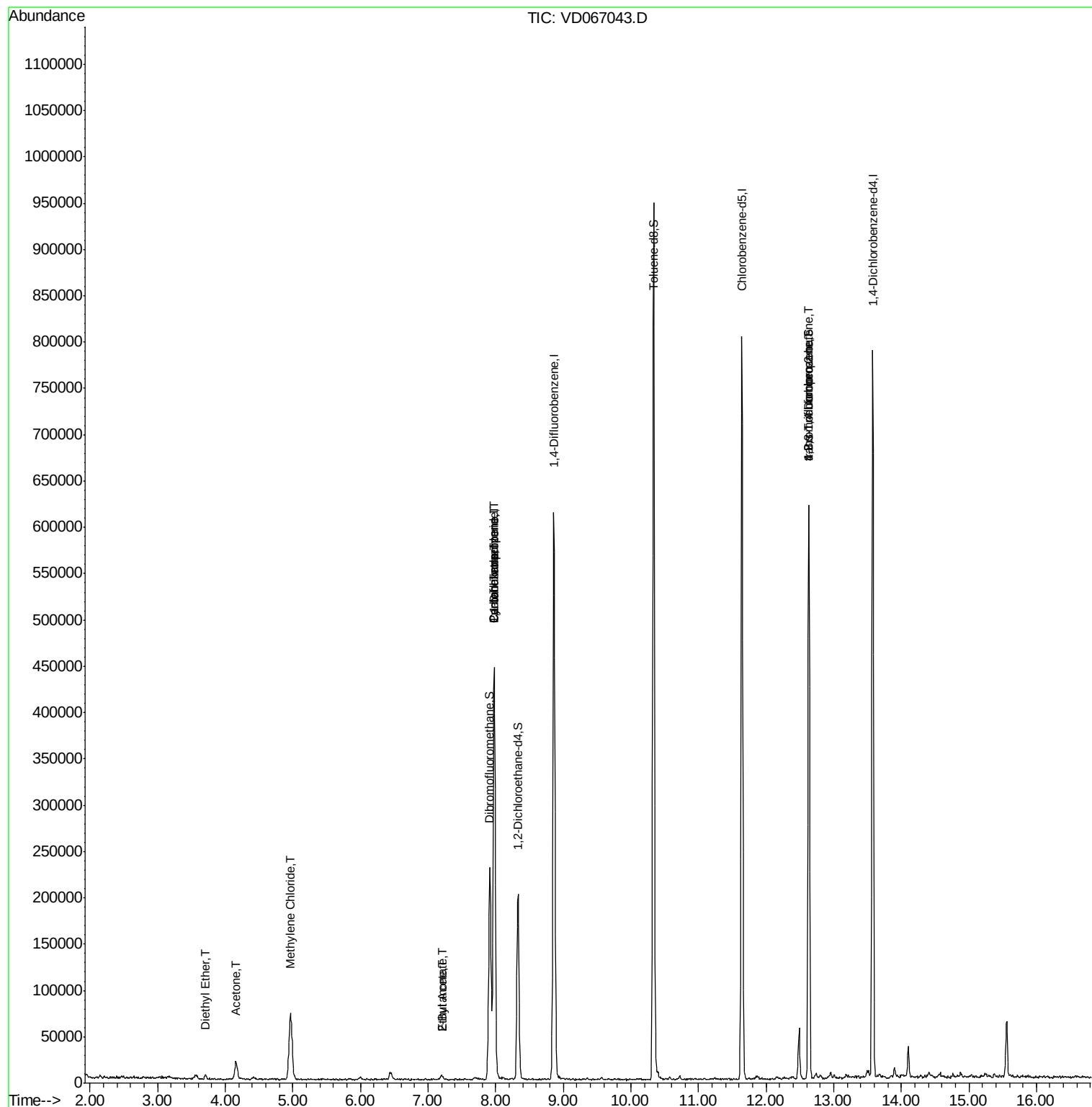
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	547623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	487588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	159562	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
35) Dibromofluoromethane	7.91	113	172933	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	10.34	98	631093	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.63	95	199136	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	407	Below Cal	#	40
5) Bromomethane	2.79	94	105	Below Cal		86
8) Diethyl Ether	3.71	74	2163	1.473	ug/l	74
11) Tert butyl alcohol	5.21	59	554	Below Cal	#	72
16) Acetone	4.16	43	34101	69.510	ug/l	100
20) Methylene Chloride	4.96	84	59198	11.386	ug/l	98
25) 2-Butanone	7.21	43	2402	3.453	ug/l #	46
26) 2,2-Dichloropropane	7.21	77	138	Below Cal	#	53
31) Cyclohexane	7.97	56	6895	1.429	ug/l #	7
36) 1,1-Dichloropropene	7.97	75	26039	5.101	ug/l #	50
37) Ethyl Acetate	7.21	43	2402	1.358	ug/l #	74
38) Carbon Tetrachloride	7.98	117	34325	6.215	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	100727	53.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	100727	133.153	ug/l #	12

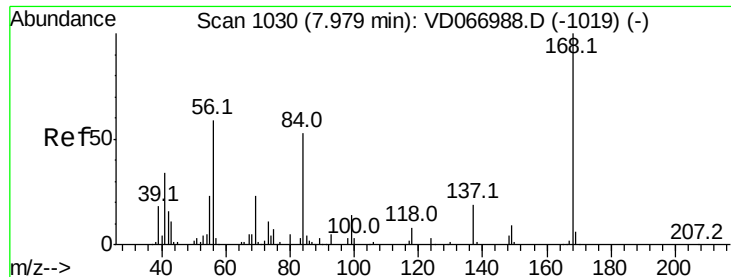
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067043.D
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Quant Time: Oct 03 04:49:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

Instrument :

MSVOA_D

ClientSampleID :

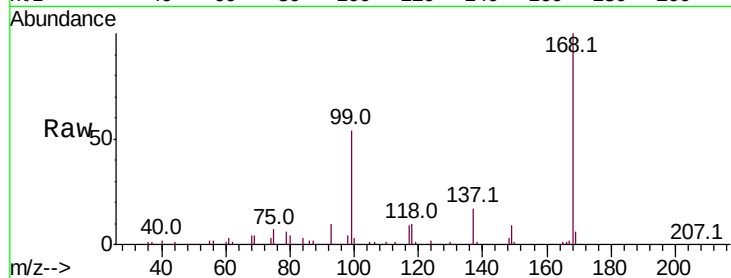
RBR-200010

Tot Ion:168 Resp: 333664

Ion Ratio Lower Upper

168 100

99 53.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

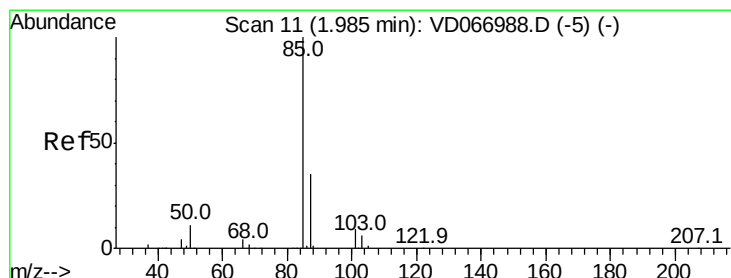
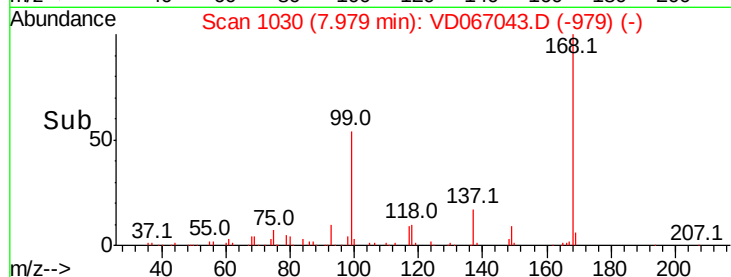
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067043.D

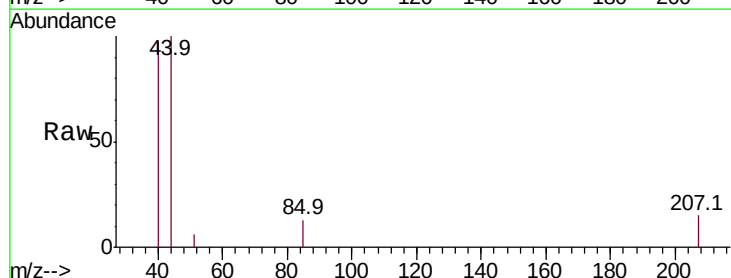
Acq: 02 Oct 2020 18:42

Tgt Ion: 85 Resp: 407

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

2.00

500

400

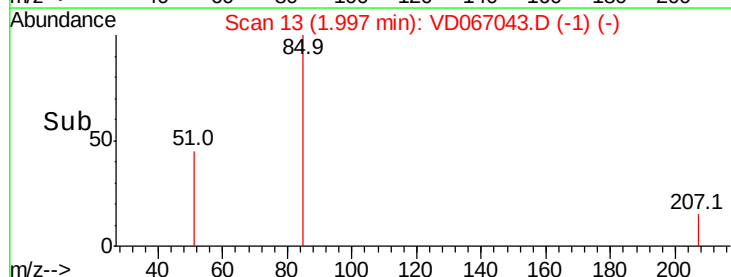
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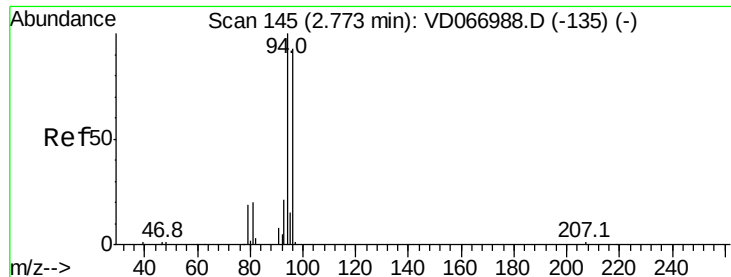
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100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

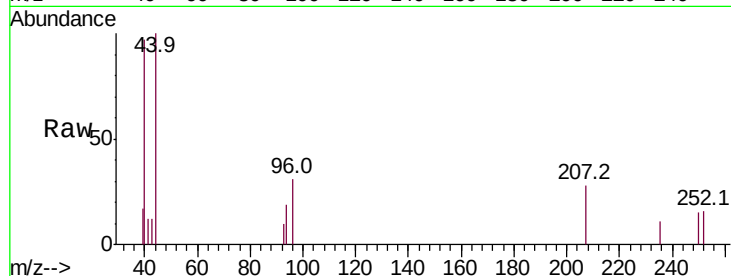
RBR-200010

Tot Ion: 94 Resp: 105

Ion Ratio Lower Upper

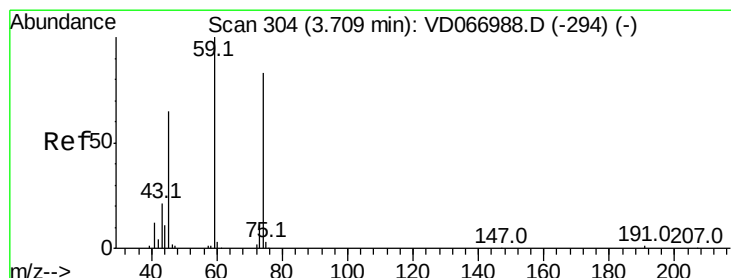
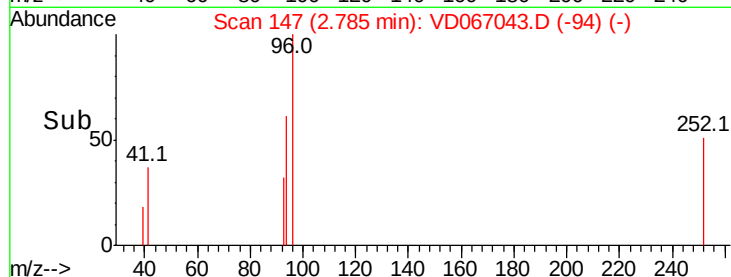
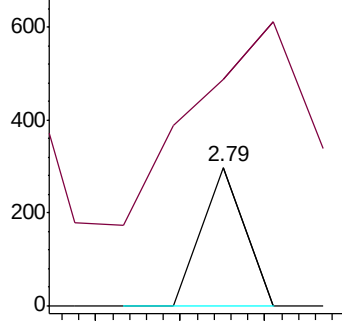
94 100

96 106.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.473 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067043.D

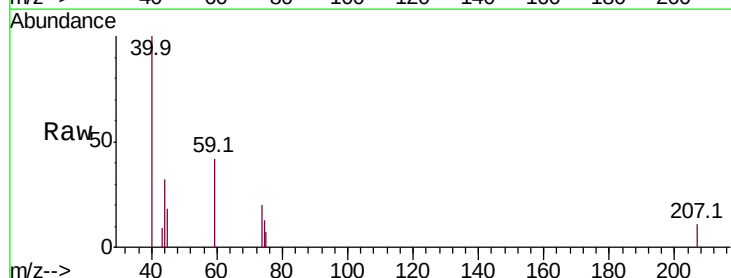
Acq: 02 Oct 2020 18:42

Tgt Ion: 74 Resp: 2163

Ion Ratio Lower Upper

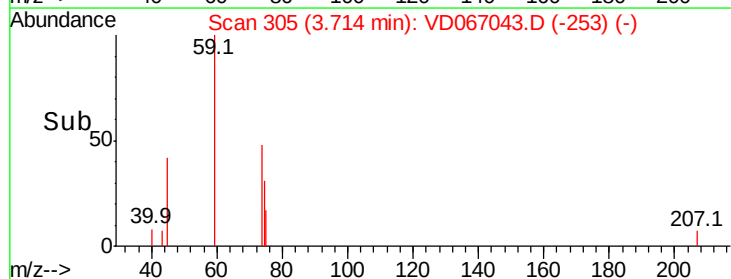
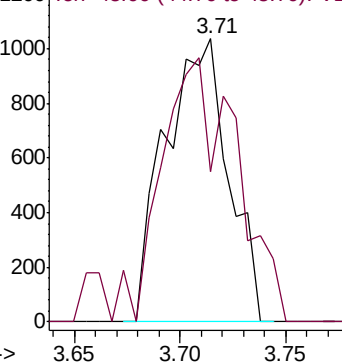
74 100

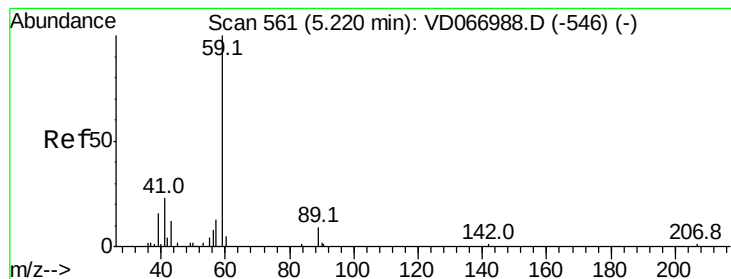
45 110.2 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



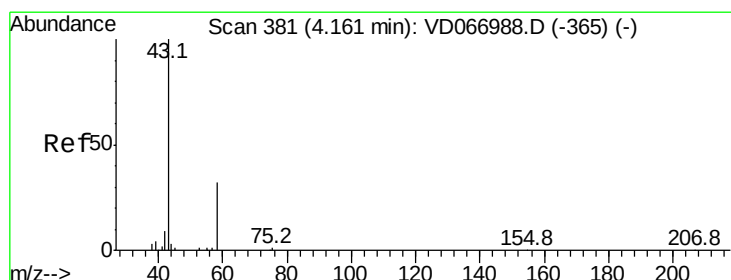
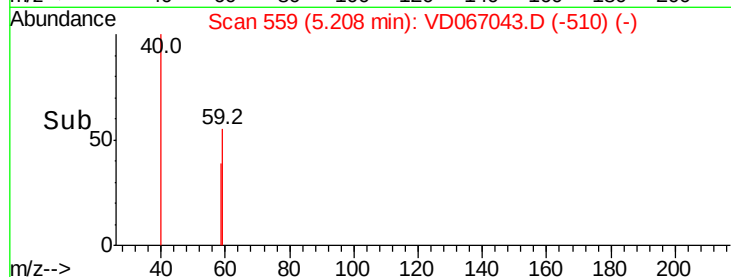
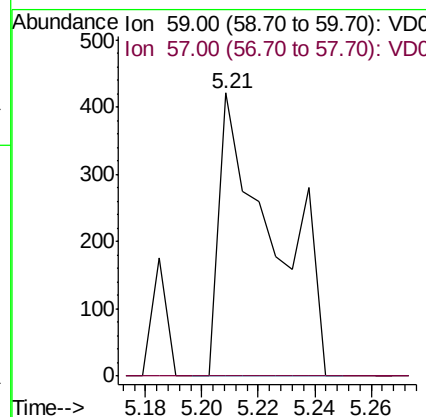
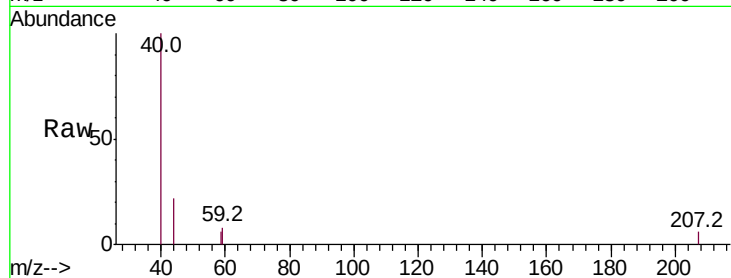


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067043.D
 Acq: 02 Oct 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200010

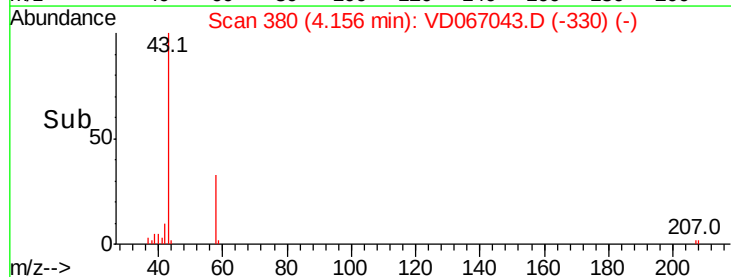
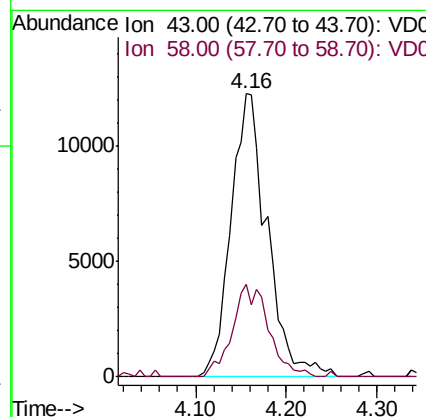
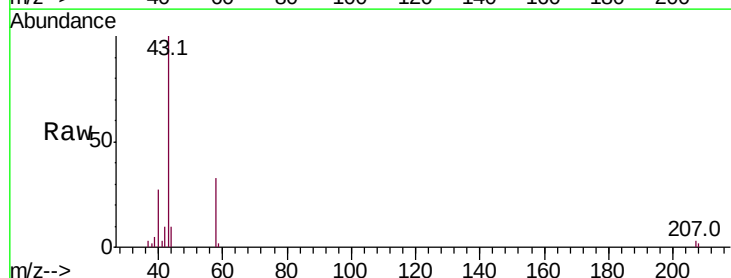
Tot Ion: 59 Resp: 554
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

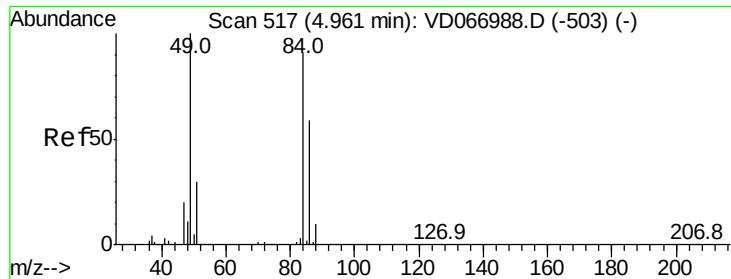


#16

Acetone
 Concen: 69.510 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067043.D
 Acq: 02 Oct 2020 18:42

Tgt Ion: 43 Resp: 34101
 Ion Ratio Lower Upper
 43 100
 58 32.6 25.9 38.9

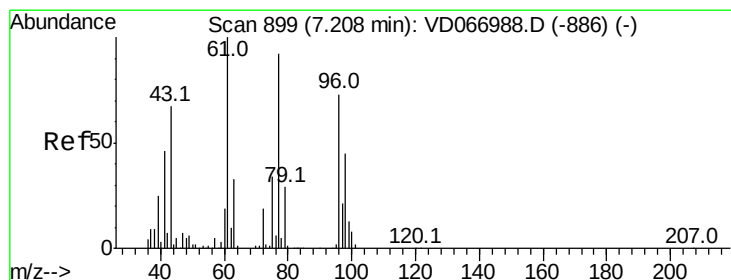
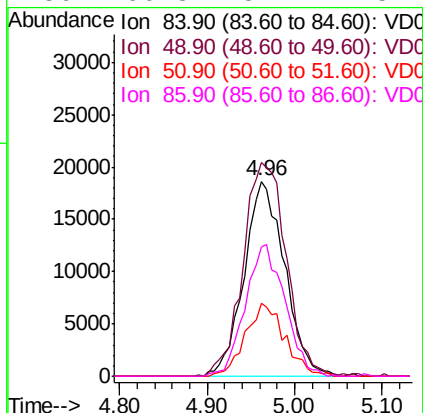
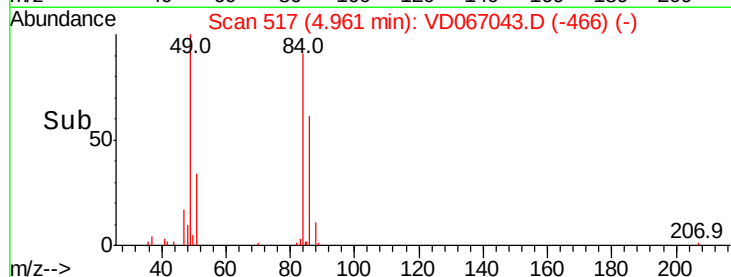
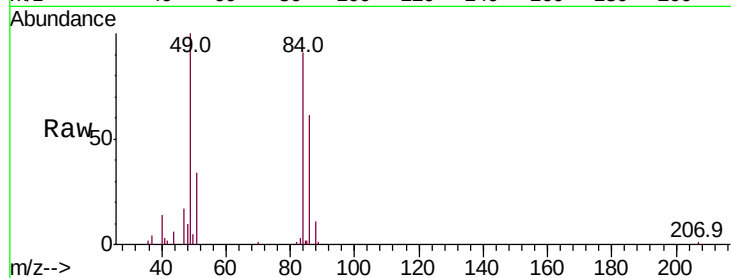




#20
Methylene Chloride
Concen: 11.386 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

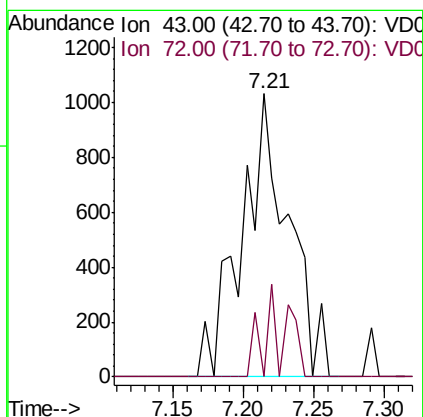
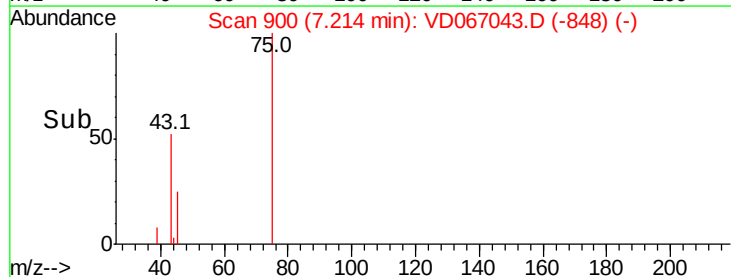
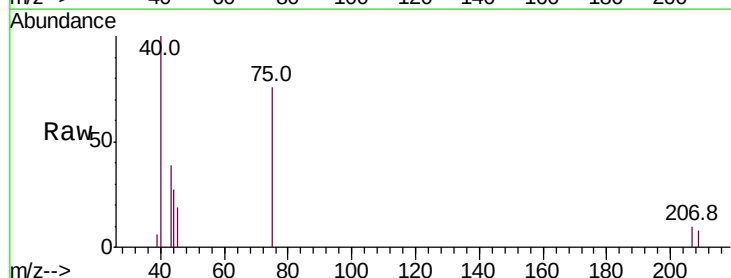
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

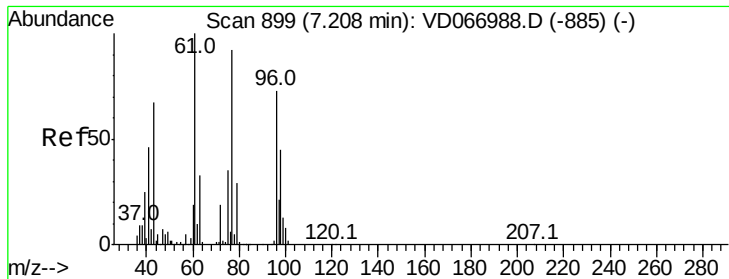
Tot Ion:	84	Resp:	59198
Ion	Ratio	Lower	Upper
84	100		
49	109.5	88.2	132.2
51	37.2	26.6	39.8
86	66.3	52.1	78.1



#25
2-Butanone
Concen: 3.453 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

Tgt Ion:	43	Resp:	2402
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

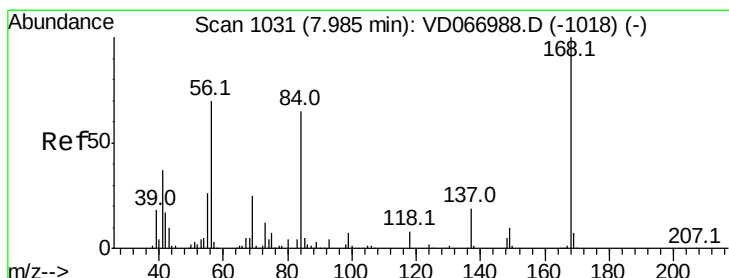
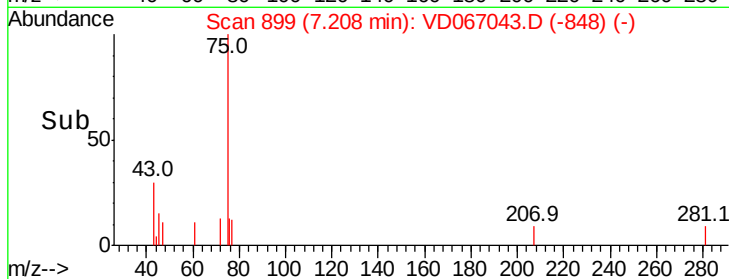
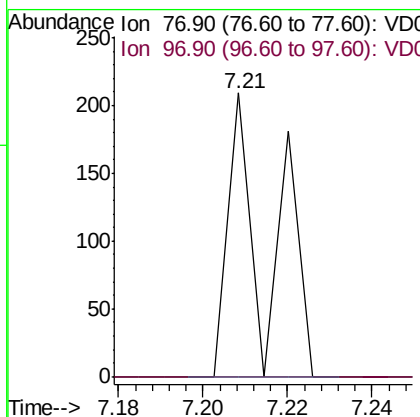
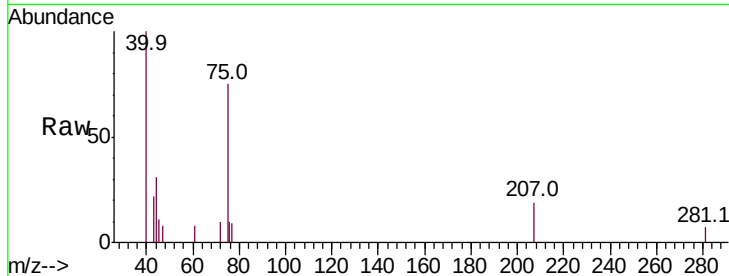




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

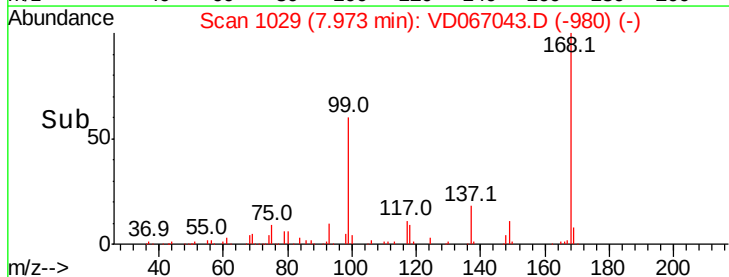
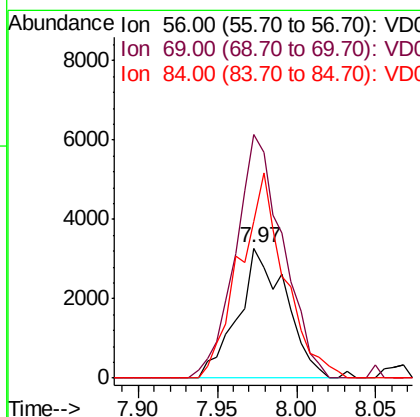
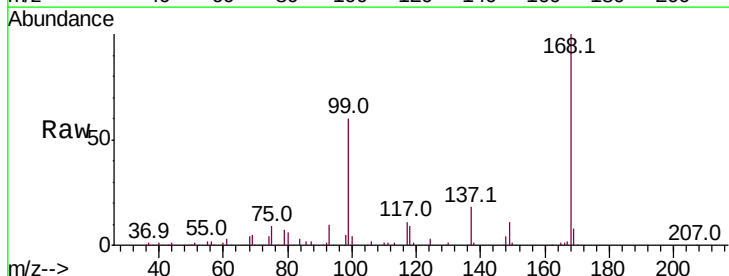
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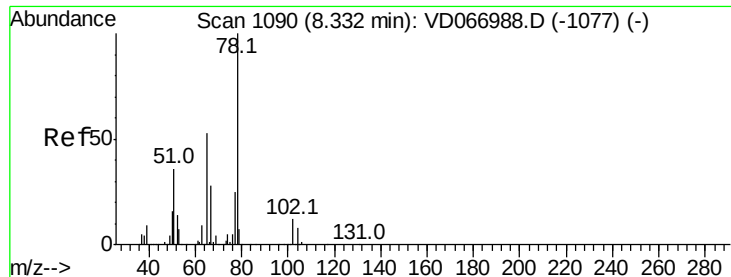
Tot Ion: 77 Resp: 138
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

Tgt Ion: 56 Resp: 6895
Ion Ratio Lower Upper
56 100
69 187.2 29.0 43.6#
84 120.2 74.2 111.2#

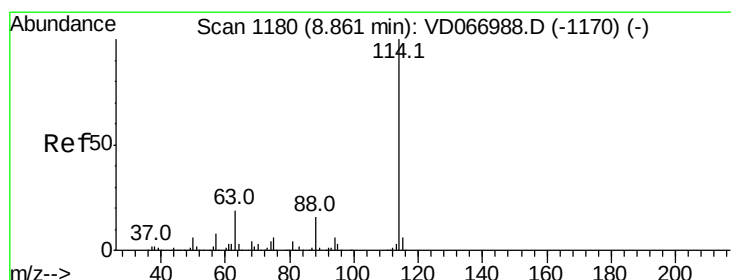
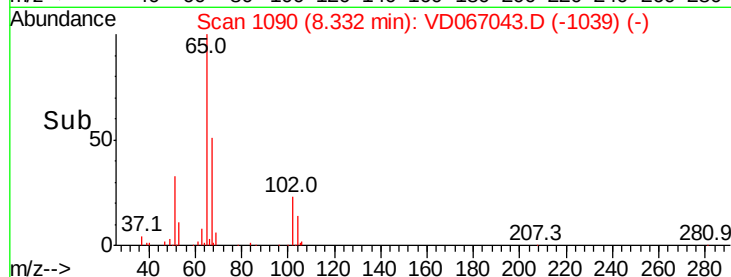
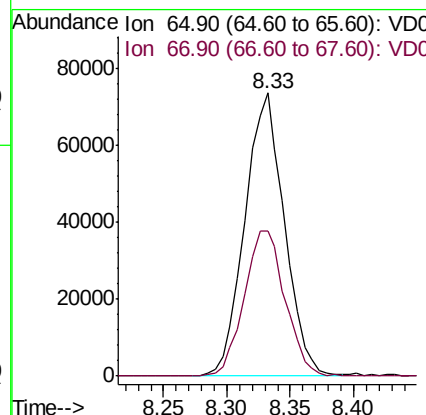
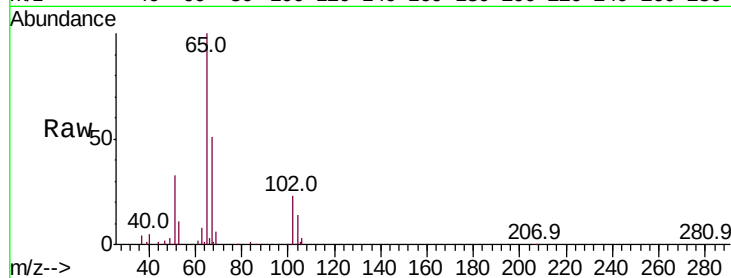




#33
 1,2-Dichloroethane-d4
 Concen: 49.648 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067043.D
 Acq: 02 Oct 2020 18:42

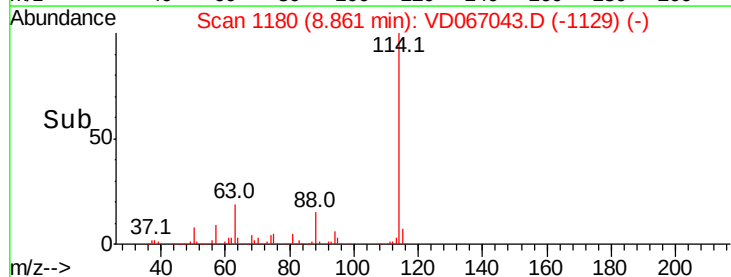
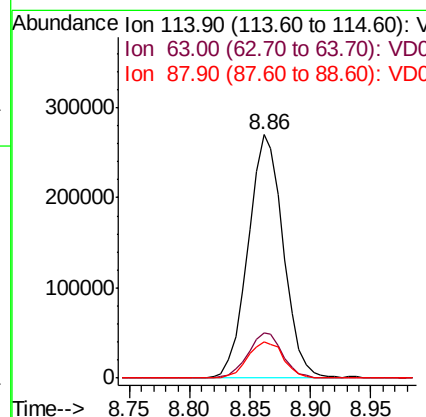
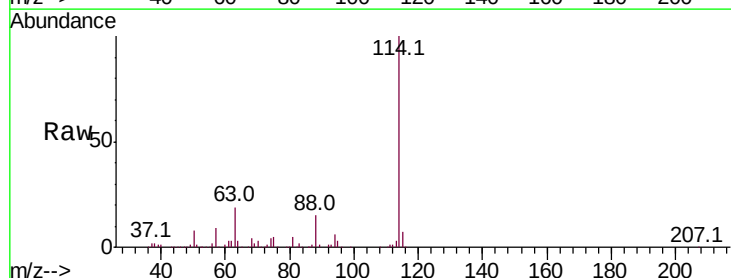
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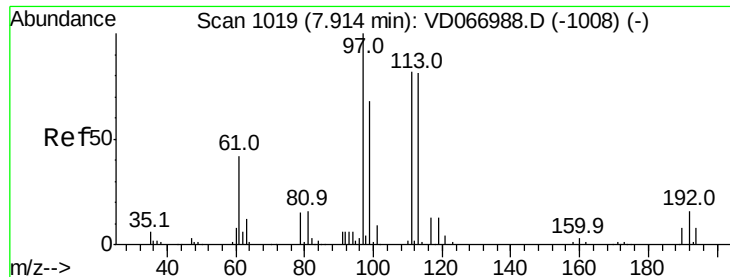
Tot Ion: 65 Resp: 159562
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067043.D
 Acq: 02 Oct 2020 18:42

Tgt Ion: 114 Resp: 547623
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.4
 88 14.9 0.0 31.2

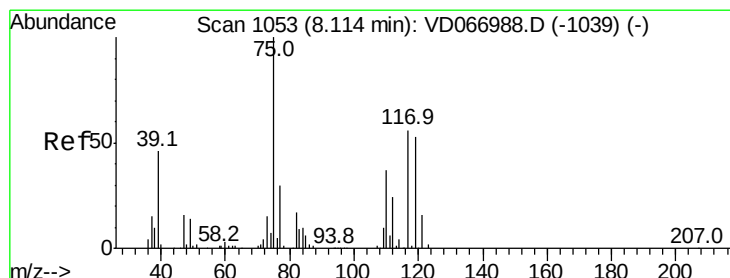
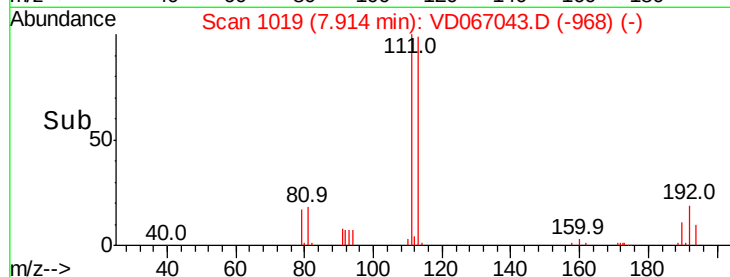
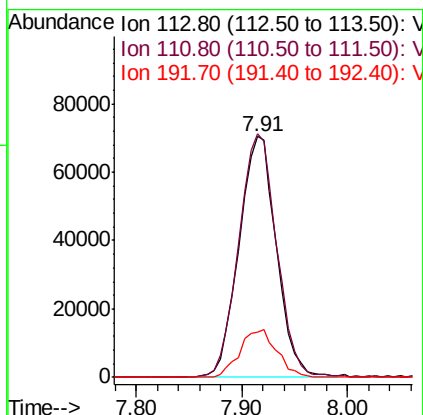
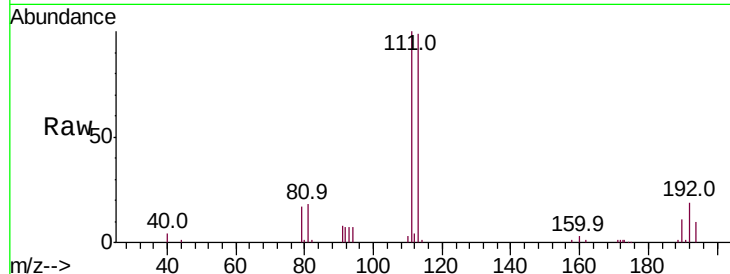




#35
Dibromofluoromethane
Concen: 48.235 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

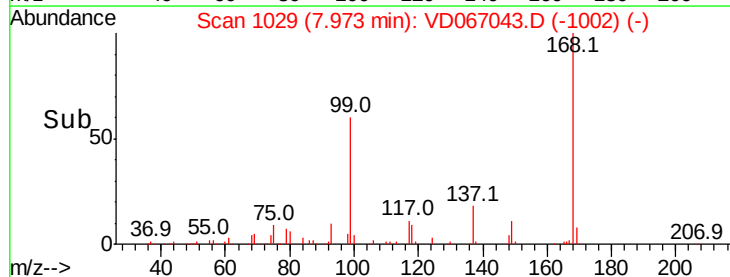
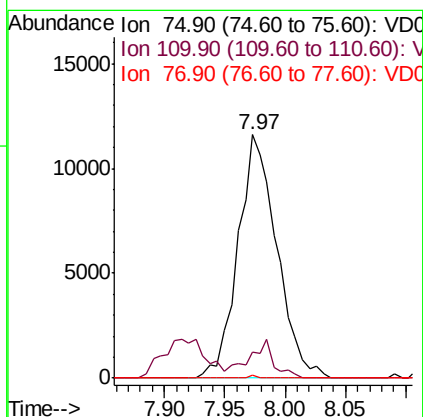
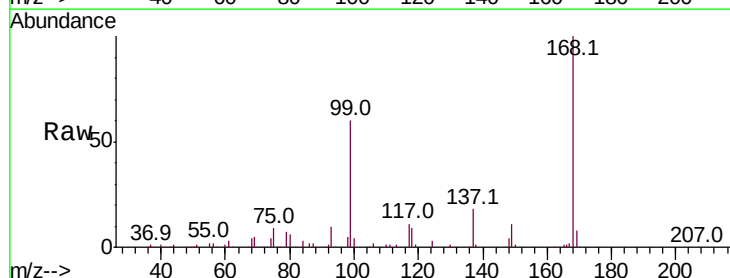
Instrument :
MSVOA_D
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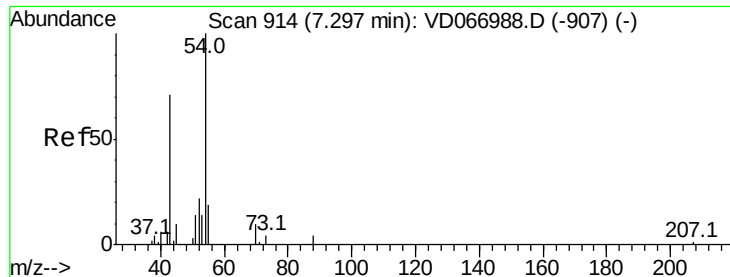
Tot Ion:113 Resp: 172933
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 19.7 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

Tgt Ion: 75 Resp: 26039
Ion Ratio Lower Upper
75 100
110 10.3 18.4 55.0#
77 0.2 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.358 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

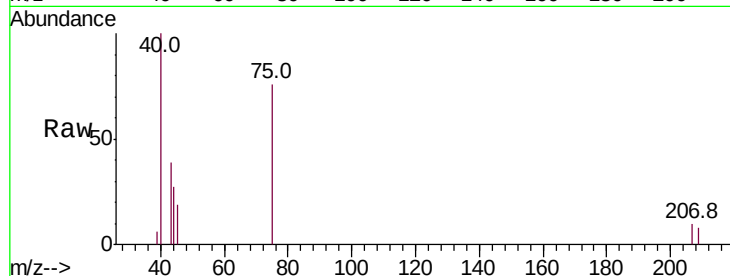
Tot Ion: 43 Resp: 2402

Ion Ratio Lower Upper

43 100

61 6.3 12.5 18.7#

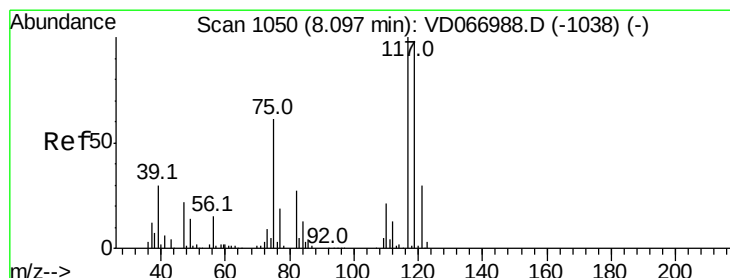
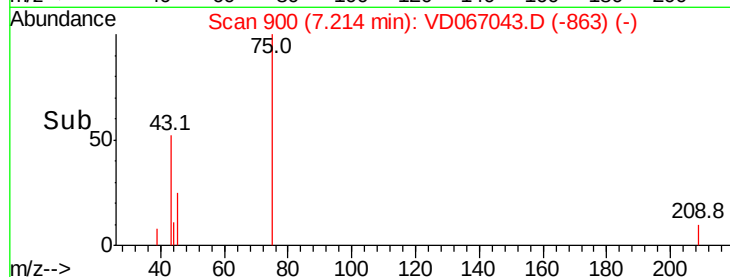
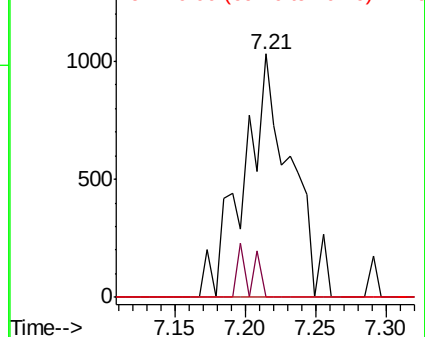
70 0.0 9.4 14.0#



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: 6.215 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

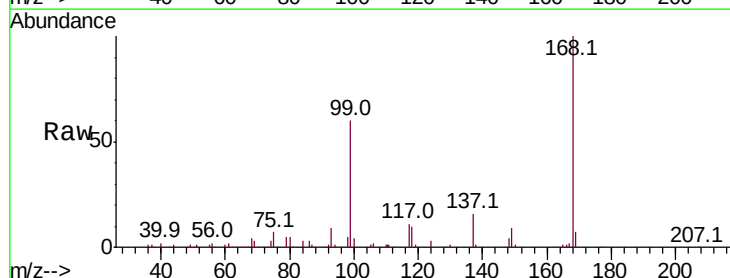
Tgt Ion: 117 Resp: 34325

Ion Ratio Lower Upper

117 100

119 8.3 78.7 118.1#

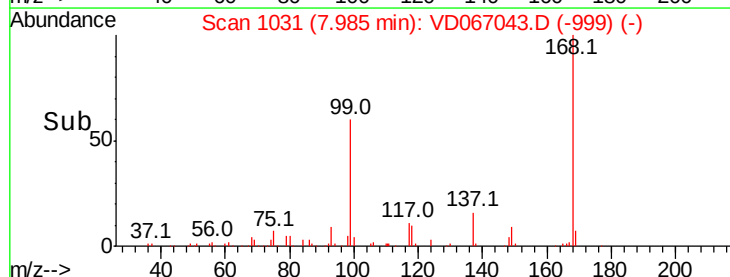
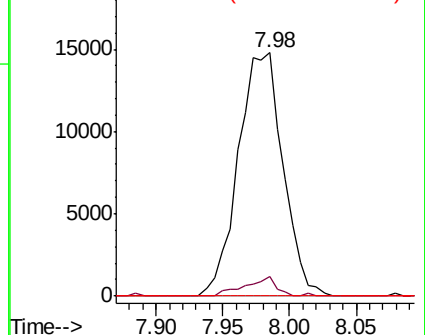
121 0.0 24.2 36.2#

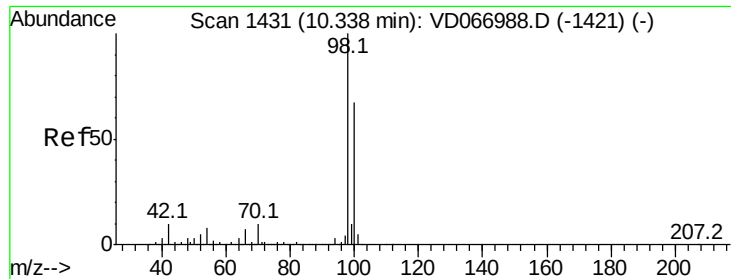


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

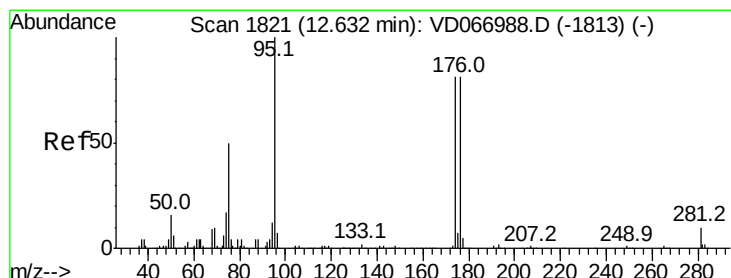
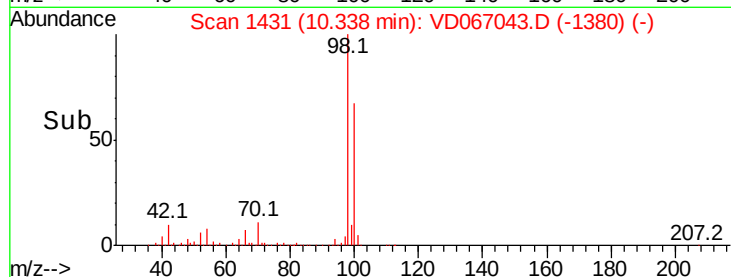
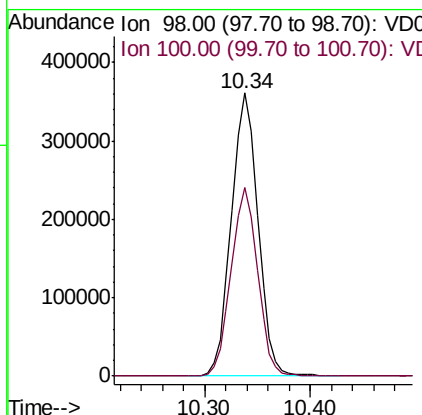
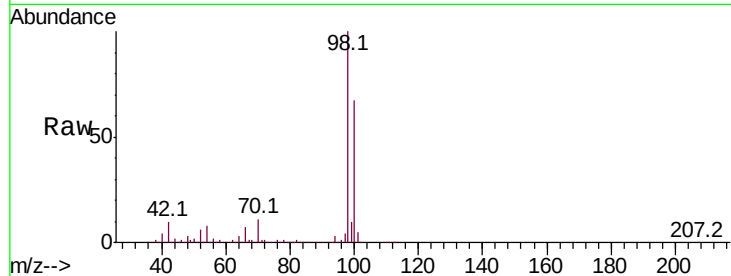




#50
Toluene-d8
Concen: 48.308 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

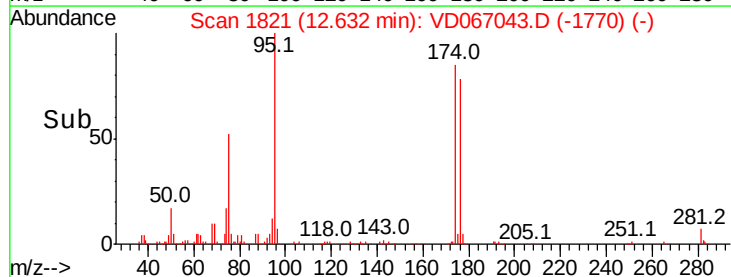
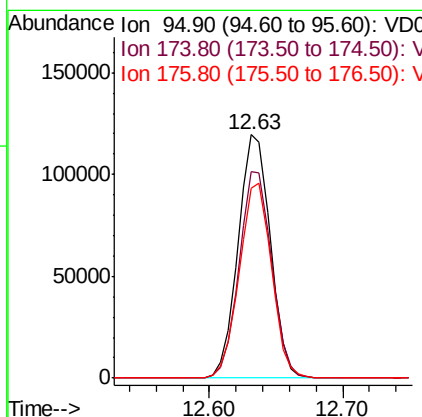
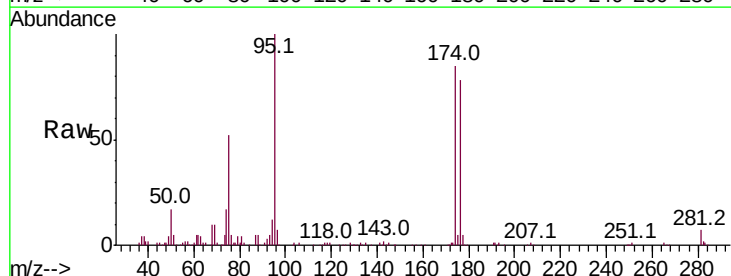
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

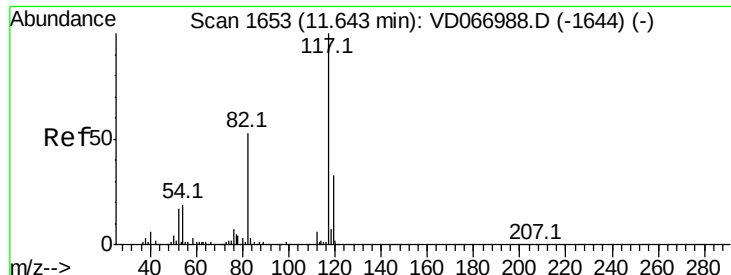
Tot Ion: 98 Resp: 631093
Ion Ratio Lower Upper
98 100
100 66.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.902 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

Tgt Ion: 95 Resp: 199136
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 80.1 0.0 162.4

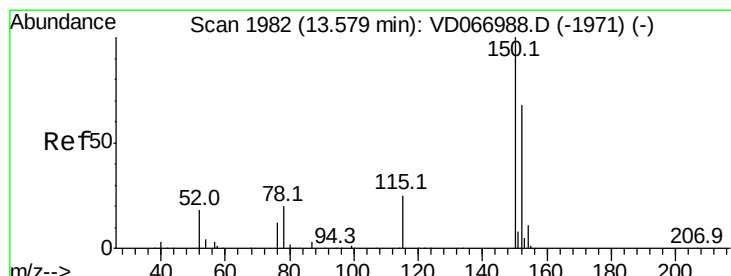
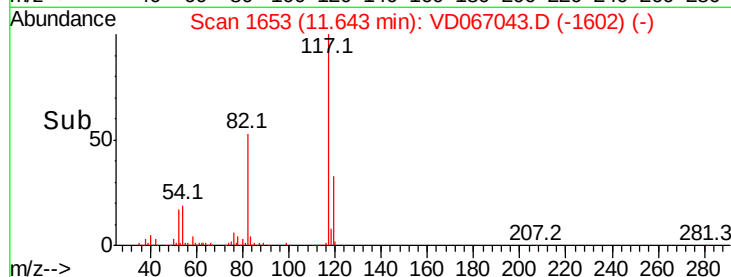
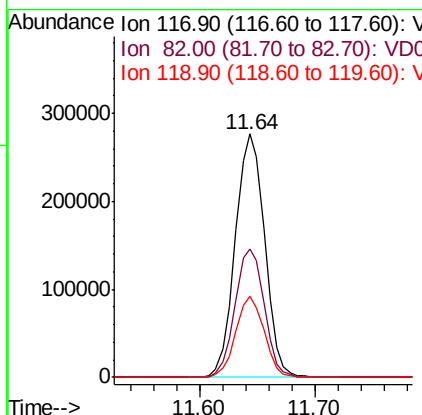
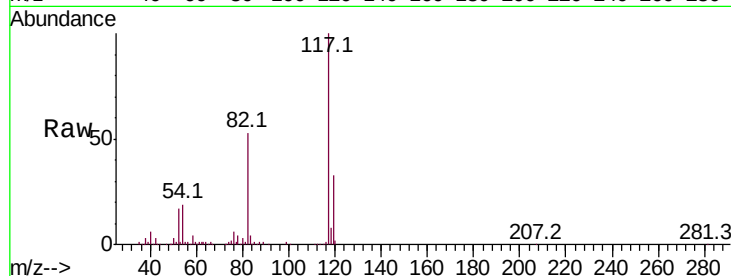




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

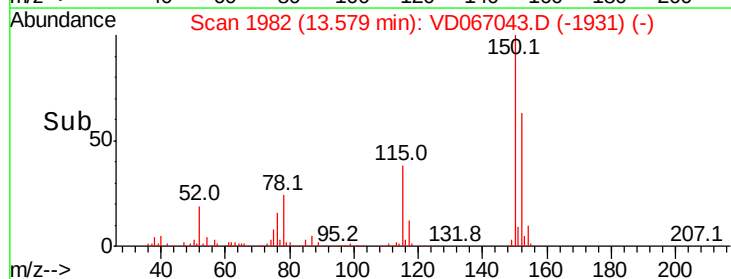
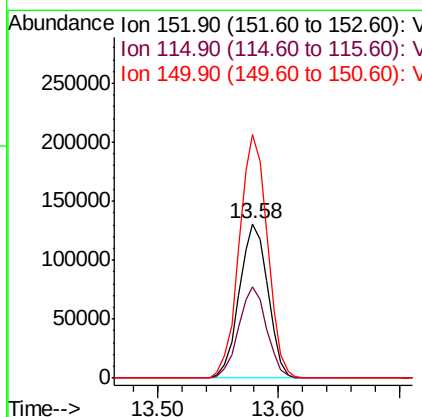
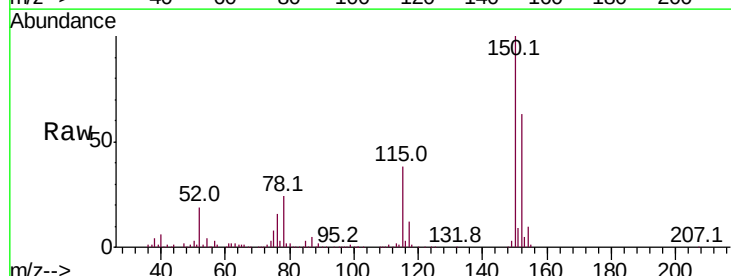
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

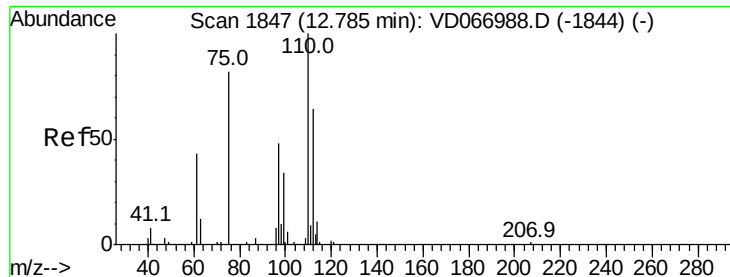
Tot Ion:117 Resp: 487588
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 33.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067043.D
Acq: 02 Oct 2020 18:42

Tgt Ion:152 Resp: 216523
Ion Ratio Lower Upper
152 100
115 58.1 29.6 88.8
150 155.6 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 53.408 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

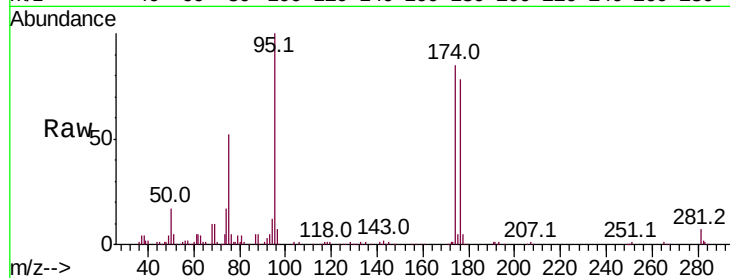
RBR-200010

Tot Ion: 75 Resp: 100727

Ion Ratio Lower Upper

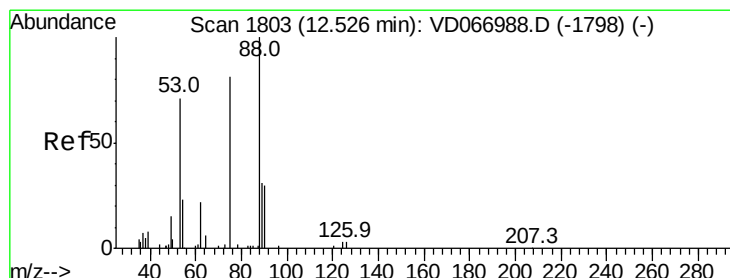
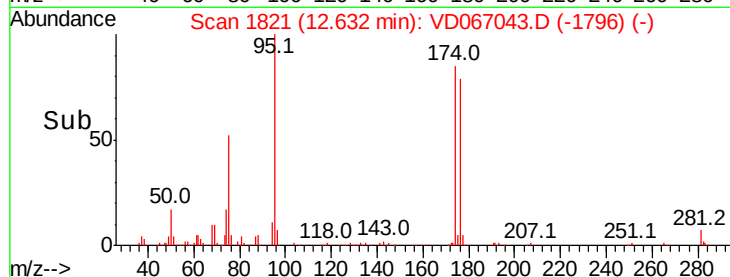
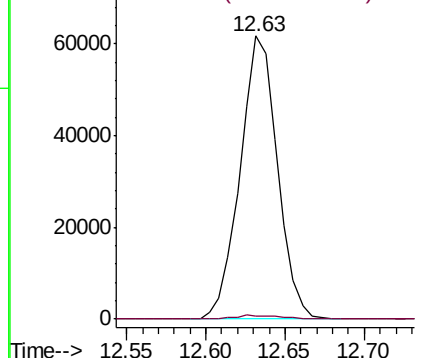
75 100

77 1.6 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: 133.153 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067043.D

Acq: 02 Oct 2020 18:42

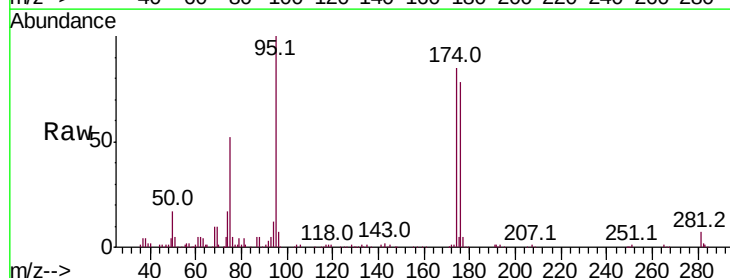
Tgt Ion: 75 Resp: 100727

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.2 38.9 58.3#



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

