

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066958.D
 Acq On : 30 Sep 2020 01:27
 Operator : VA/SY
 Sample : L4179-05
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

Quant Time: Sep 30 04:23:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	419218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	702454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	770705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	383571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	195291	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.91	113	217454	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.34	98	858890	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
62) 4-Bromofluorobenzene	12.63	95	355405	68.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.36%	

Target Compounds

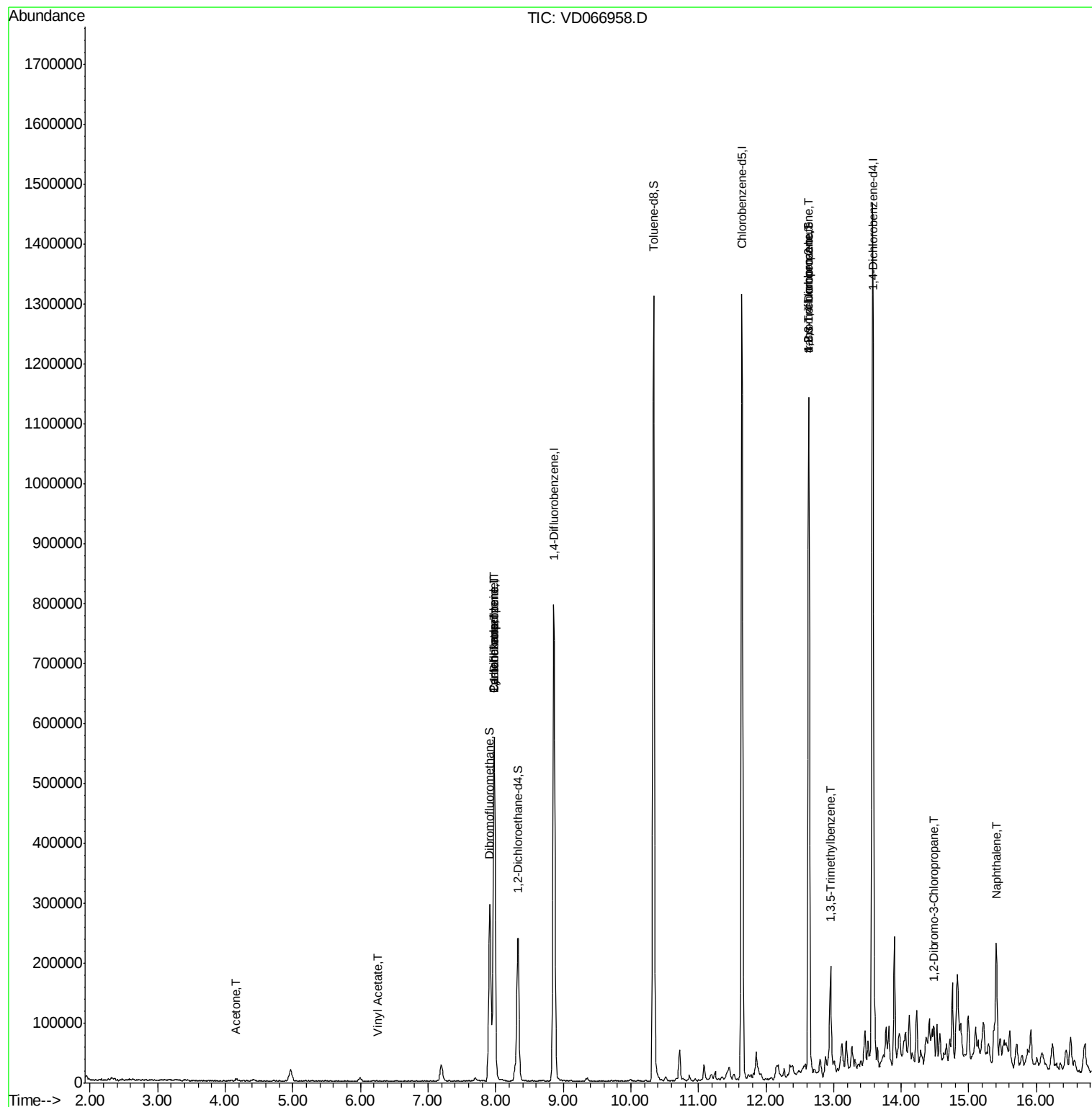
						Qvalue
2) Dichlorodifluoromethane	1.99	85	592	Below Cal	#	1
11) Tert butyl alcohol	5.21	59	176	Below Cal	#	72
16) Acetone	4.16	43	4681	5.378	ug/l #	85
18) Methyl Acetate	4.71	43	73	Below Cal	#	50
20) Methylene Chloride	4.96	84	14669	Below Cal		98
23) Vinyl Acetate	6.26	43	97	2.686	ug/l #	71
31) Cyclohexane	7.97	56	10083	1.352	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	31417	4.508	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43568	5.718	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	180733	56.857	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	27748	1.180	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.63	75	180733	142.251	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.48	75	827	1.075	ug/l #	26
95) Naphthalene	15.41	128	177228	15.139	ug/l	97

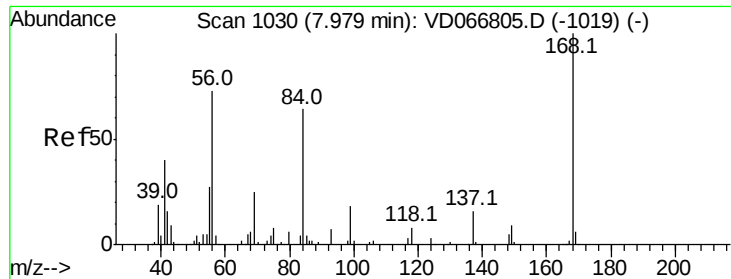
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

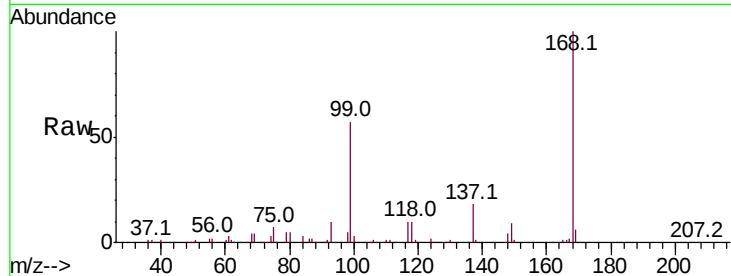
B-10(4-5)

Tot Ion:168 Resp: 419218

Ion Ratio Lower Upper

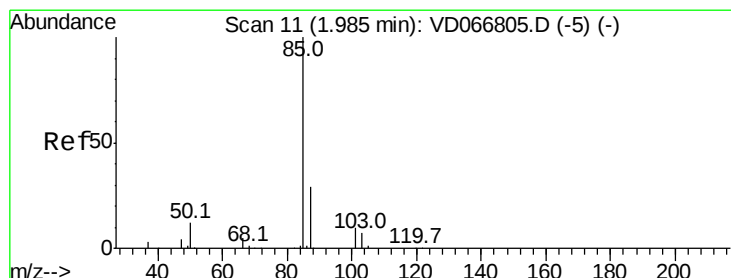
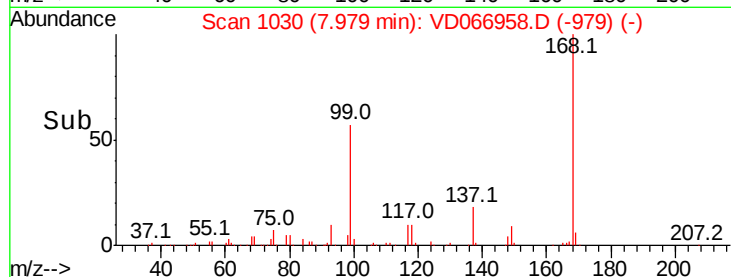
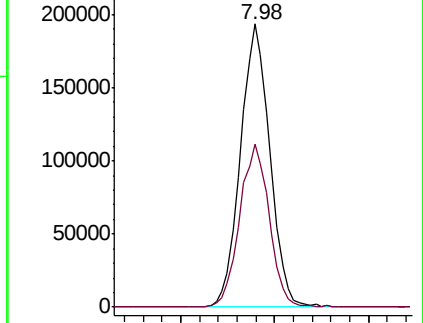
168 100

99 57.5 46.6 69.8



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: VD066958.D

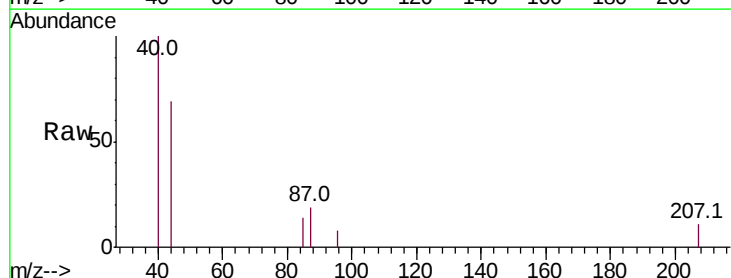
Acq: 30 Sep 2020 01:27

Tgt Ion: 85 Resp: 592

Ion Ratio Lower Upper

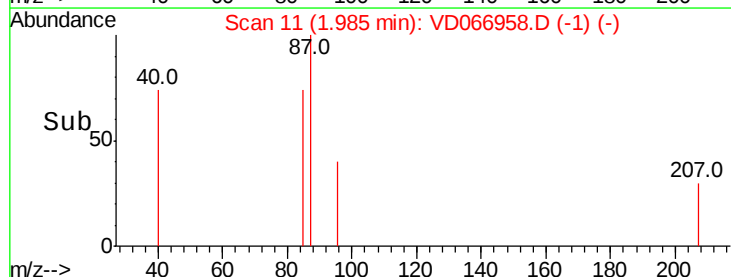
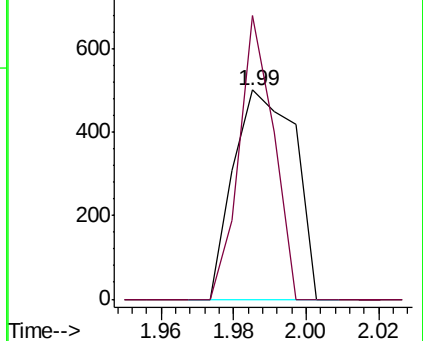
85 100

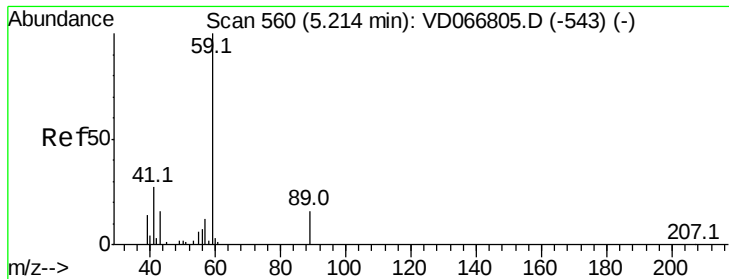
87 135.5 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



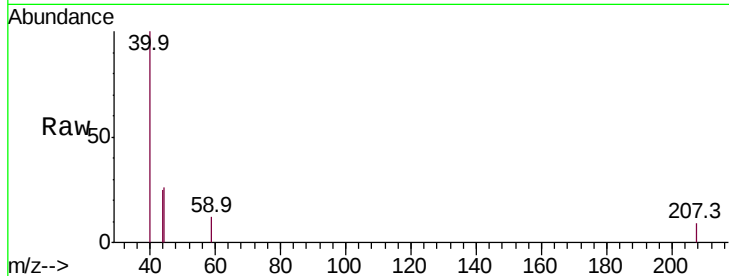


#11

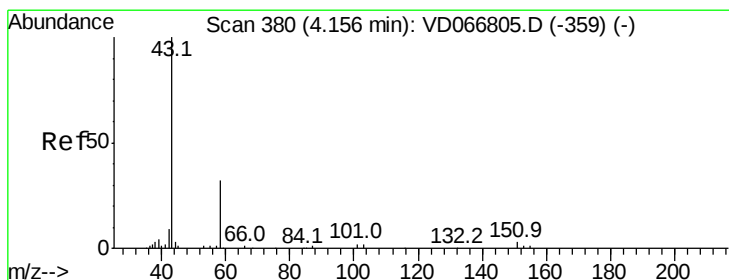
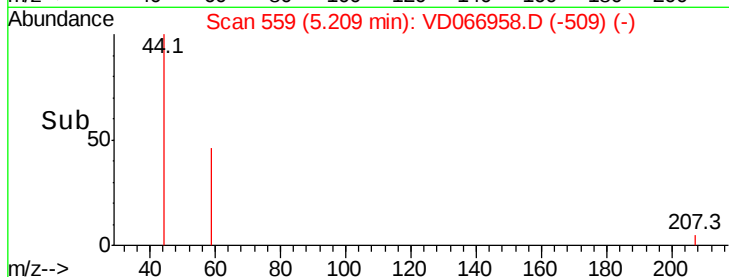
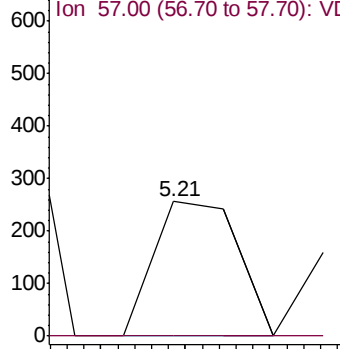
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

Tot Ion: 59 Resp: 176
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



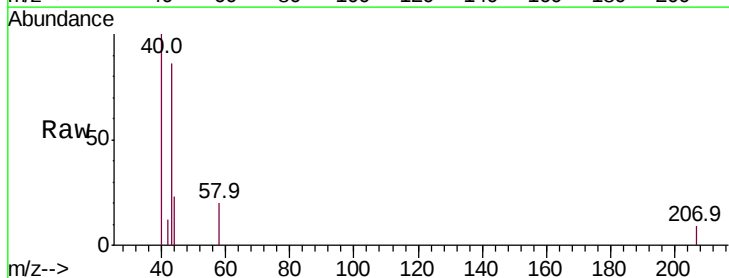
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



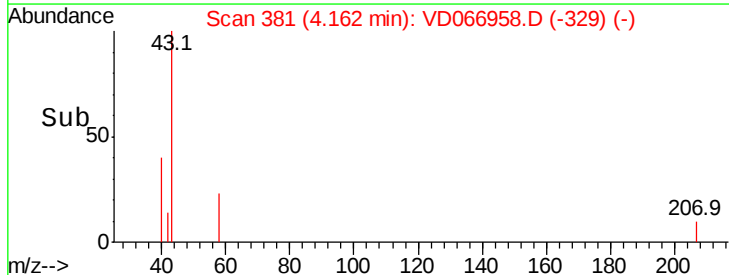
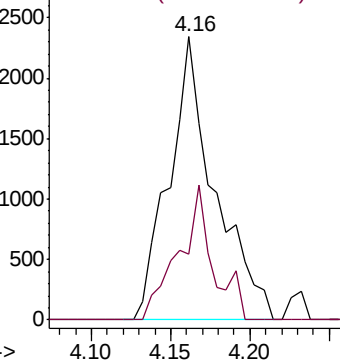
#16

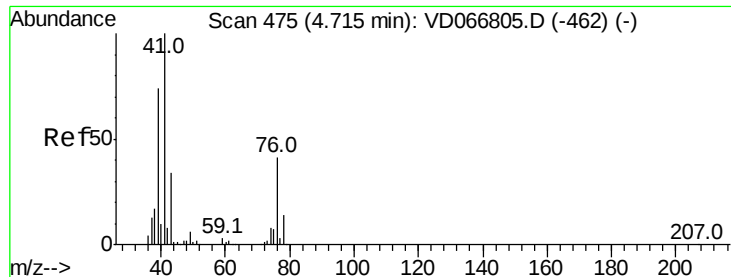
Acetone
 Concen: 5.378 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

Tgt Ion: 43 Resp: 4681
 Ion Ratio Lower Upper
 43 100
 58 23.4 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

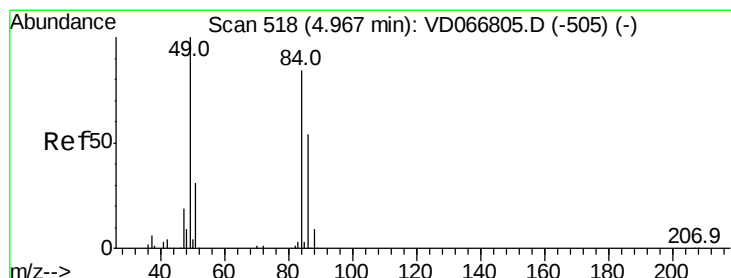
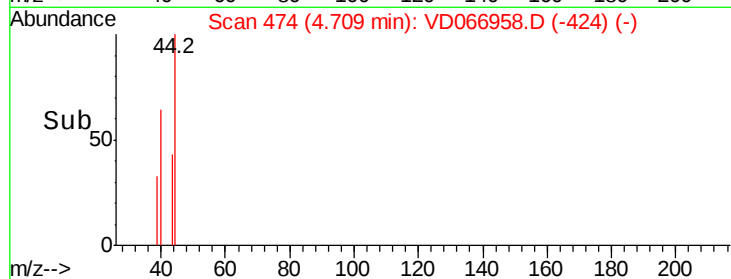
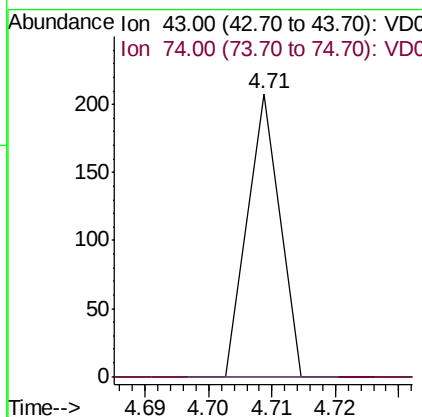
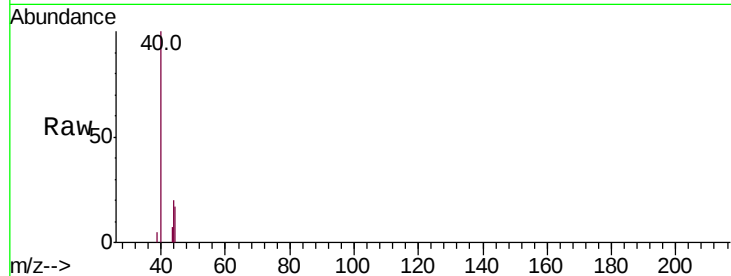




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066958.D
Acq: 30 Sep 2020 01:27

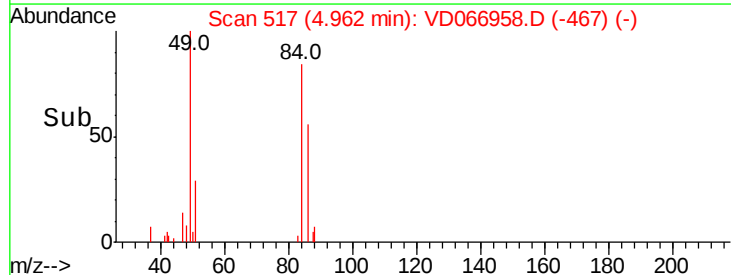
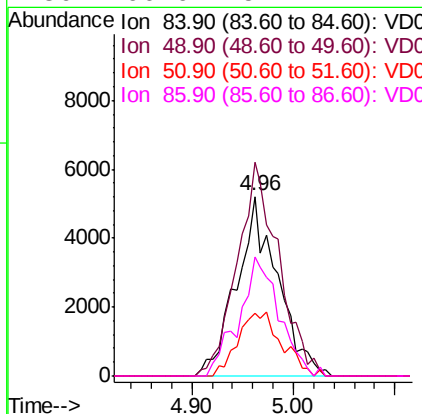
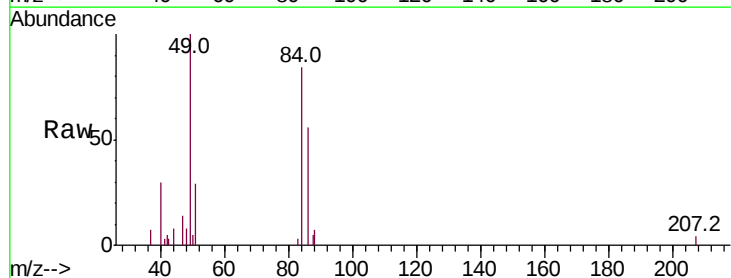
Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

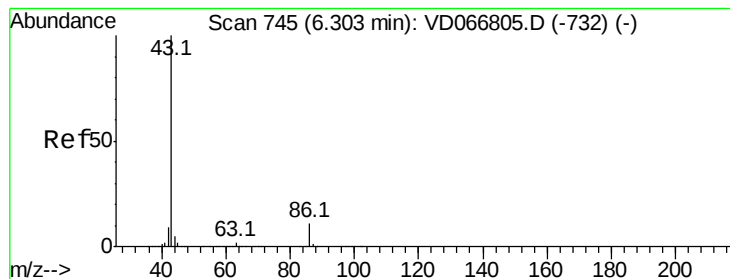
Tot Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066958.D
Acq: 30 Sep 2020 01:27

Tgt Ion: 84 Resp: 14669
Ion Ratio Lower Upper
84 100
49 118.9 95.4 143.2
51 34.8 29.7 44.5
86 66.6 51.4 77.2





#23

Vinyl Acetate

Concen: 2.686 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.04 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

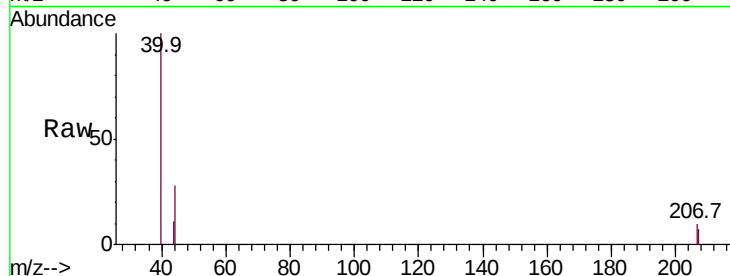
B-10(4-5)

Tot Ion: 43 Resp: 97

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.26

300

250

200

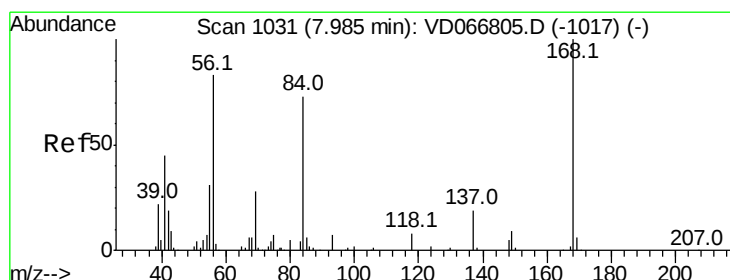
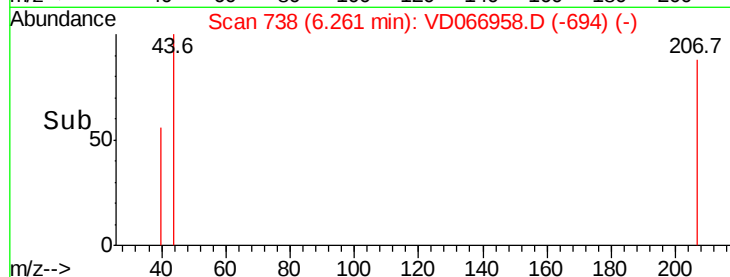
150

100

50

0

Time--> 6.24 6.25 6.26 6.27 6.28



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

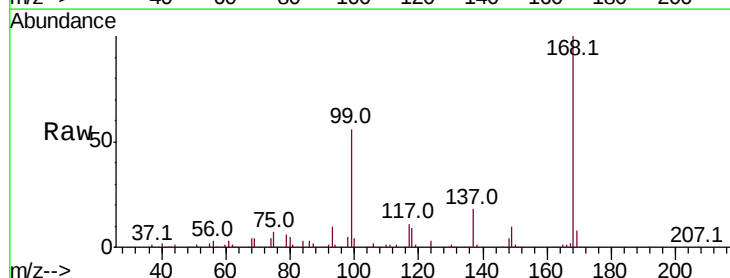
Tgt Ion: 56 Resp: 10083

Ion Ratio Lower Upper

56 100

69 160.7 27.0 40.4#

84 96.8 70.2 105.4



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

10000

8000

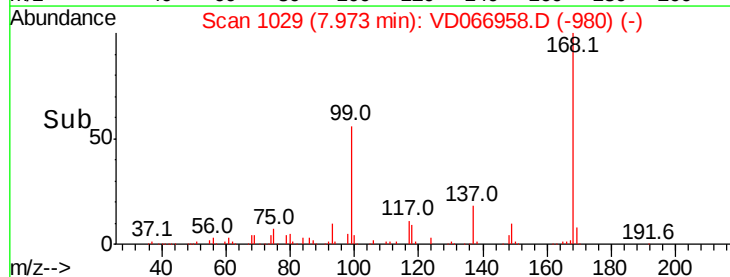
6000

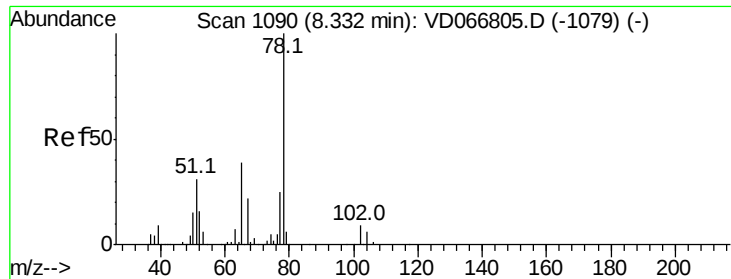
4000

2000

0

Time--> 7.90 7.95 8.00 8.05

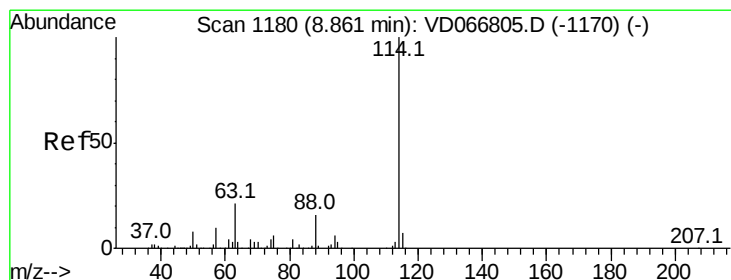
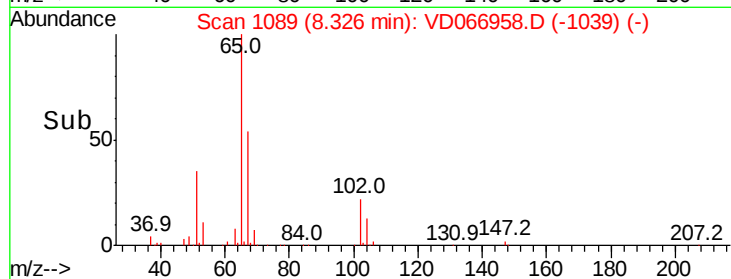
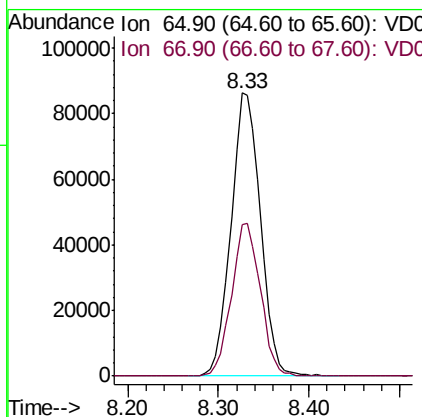
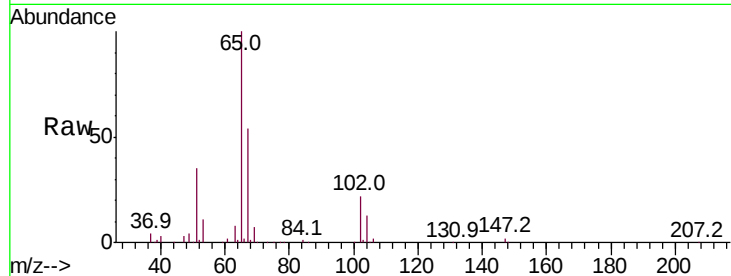




#33
 1,2-Dichloroethane-d4
 Concen: 47.596 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

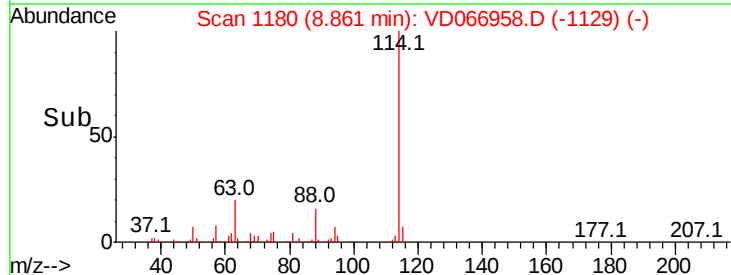
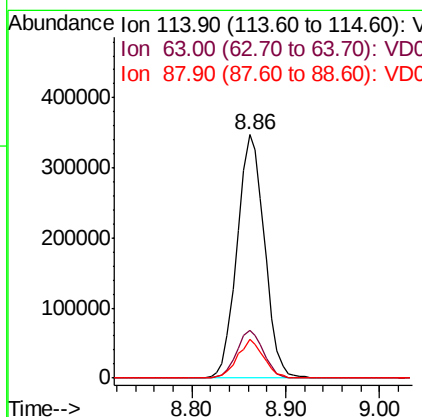
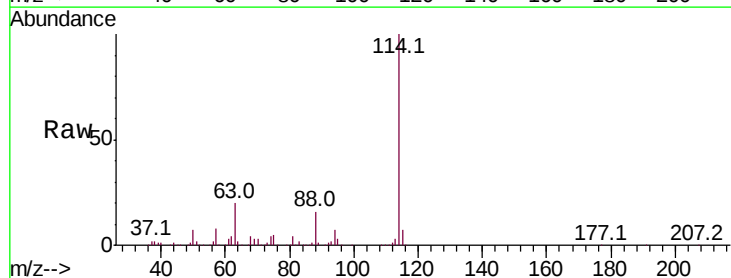
Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

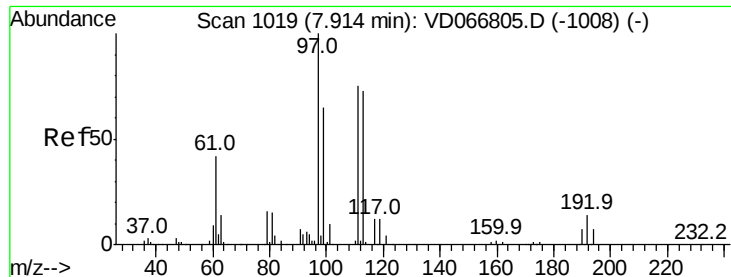
Tot Ion: 65 Resp: 195291
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

Tgt Ion: 114 Resp: 702454
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.6
 88 15.7 0.0 32.6

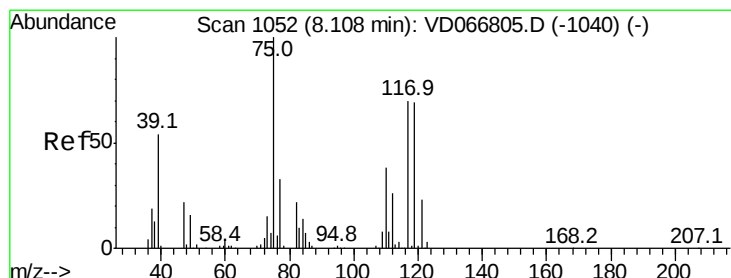
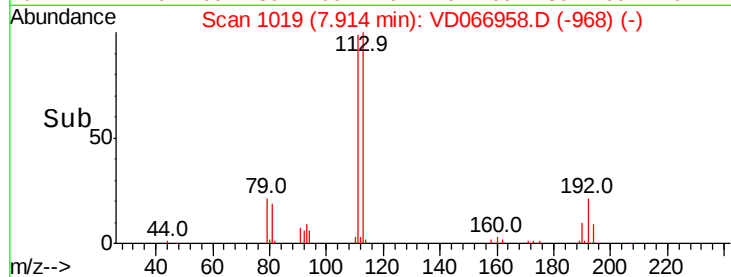
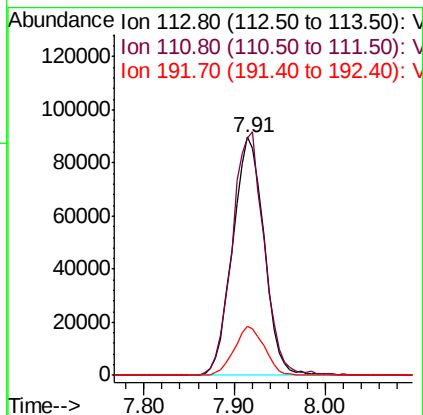
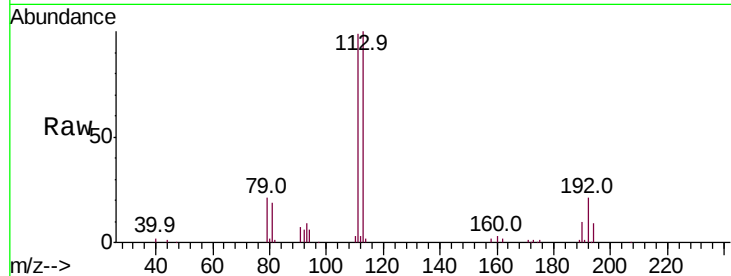




#35
 Dibromofluoromethane
 Concen: 48.658 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

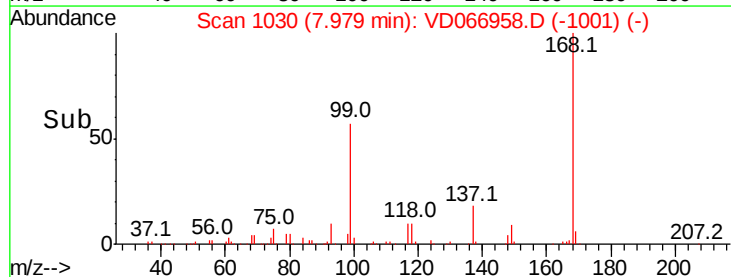
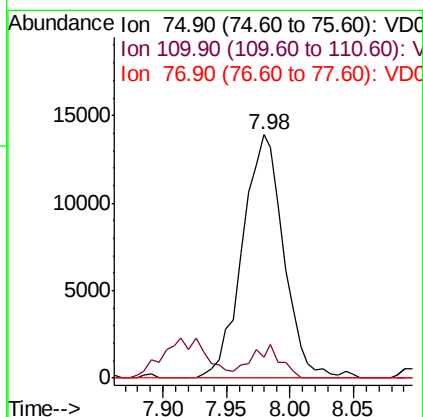
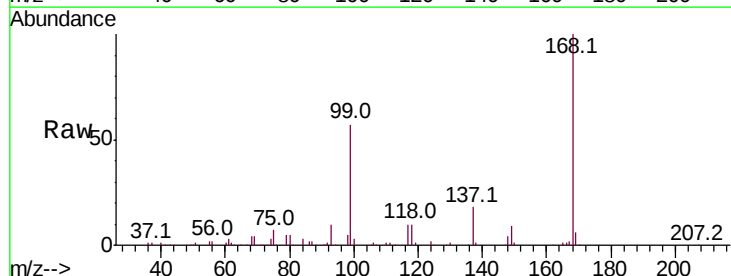
Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

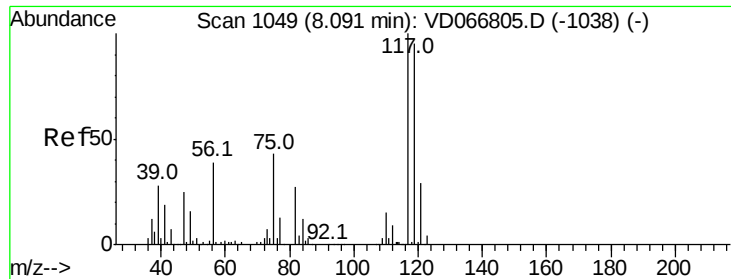
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	19.7	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066958.D
 Acq: 30 Sep 2020 01:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.8#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.718 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

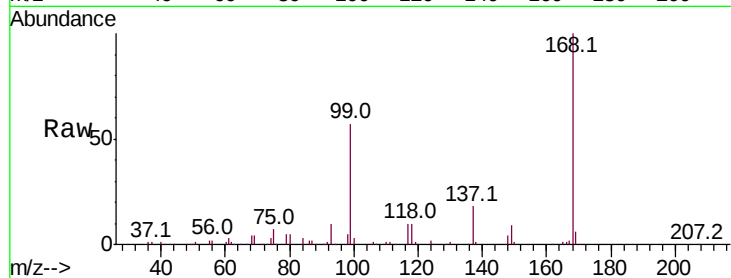
Tot Ion:117 Resp: 43568

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.8#

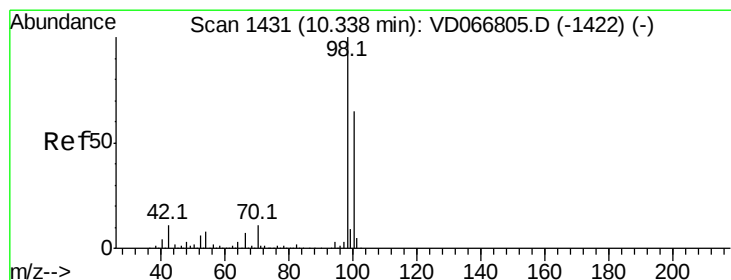
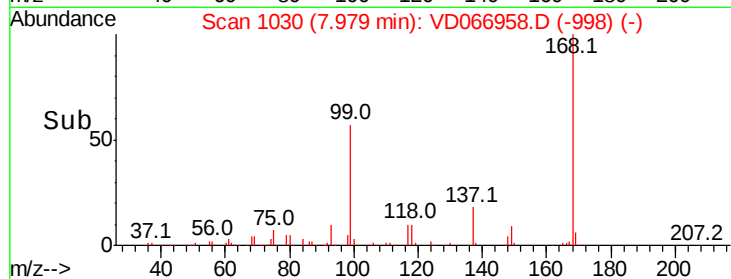
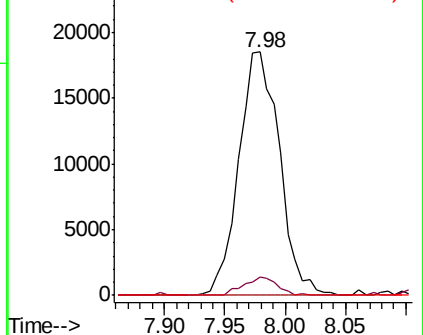
121 0.0 23.4 35.0#



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



#50

Toluene-d8

Concen: 56.407 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066958.D

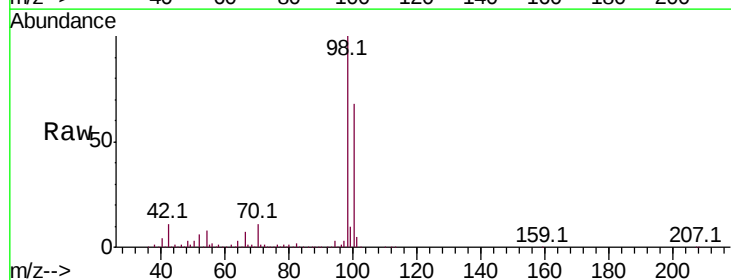
Acq: 30 Sep 2020 01:27

Tgt Ion: 98 Resp: 858890

Ion Ratio Lower Upper

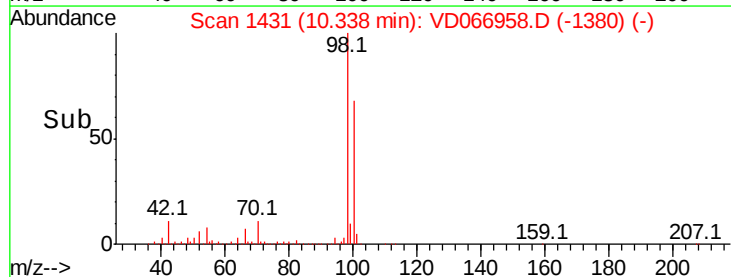
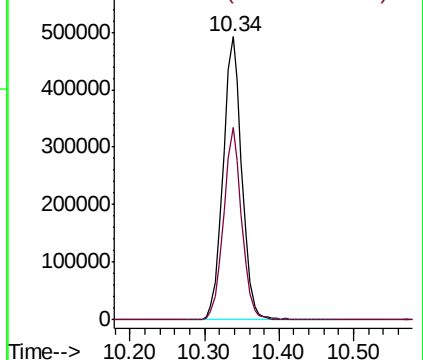
98 100

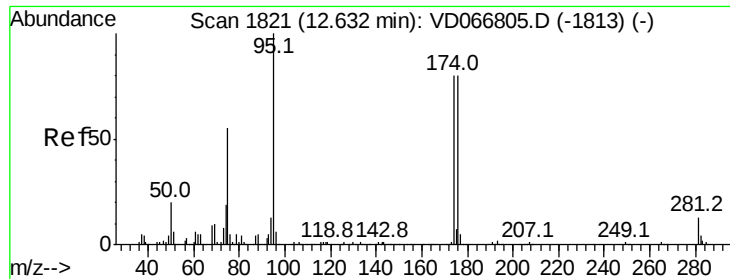
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

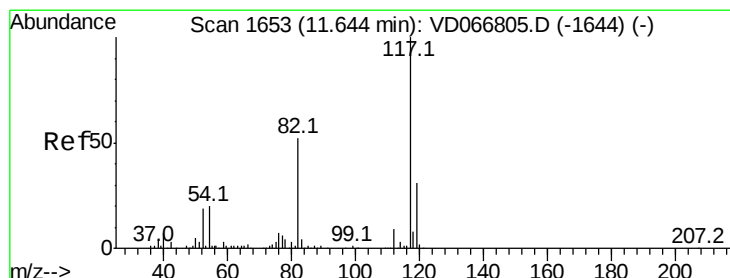
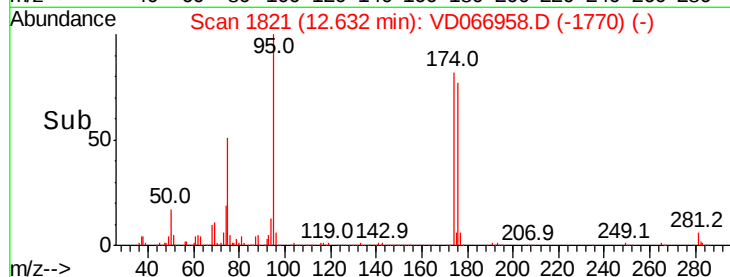
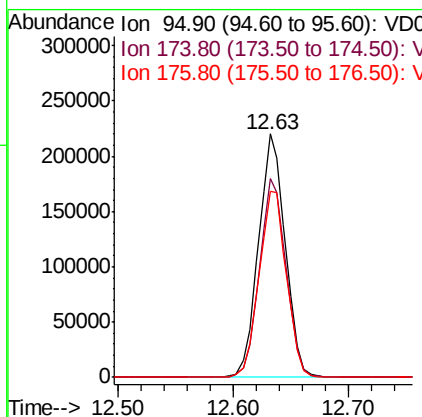
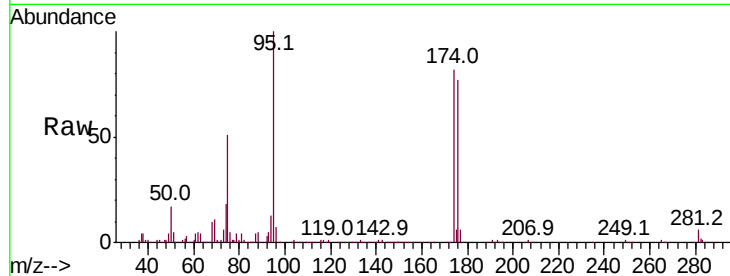




#62
4-Bromofluorobenzene
Concen: 68.181 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066958.D
Acq: 30 Sep 2020 01:27

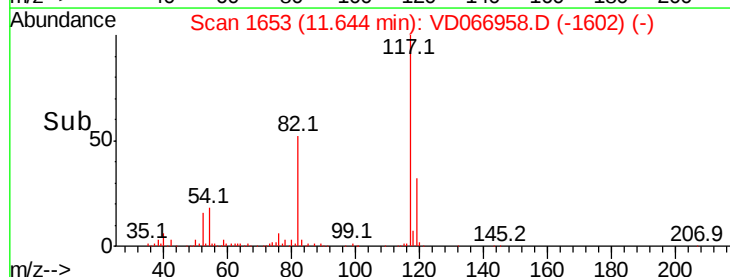
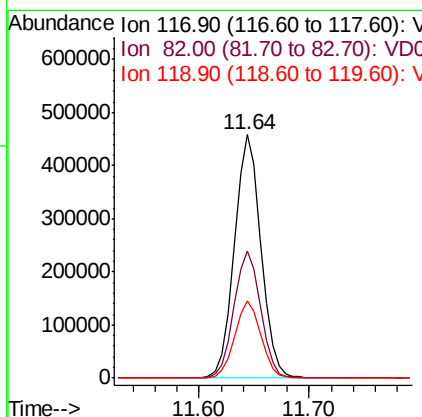
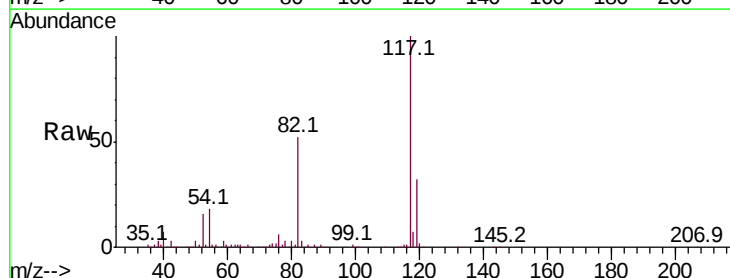
Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

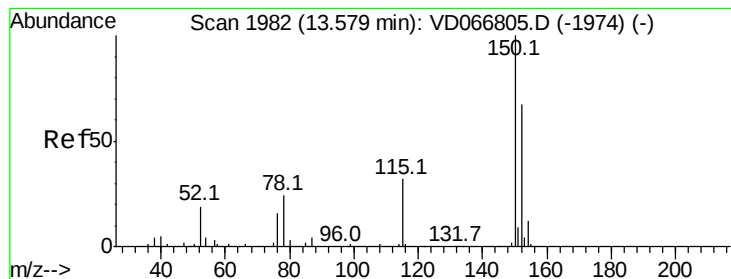
Tot Ion: 95 Resp: 355405
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.8
176 78.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066958.D
Acq: 30 Sep 2020 01:27

Tgt Ion: 117 Resp: 770705
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 31.7 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

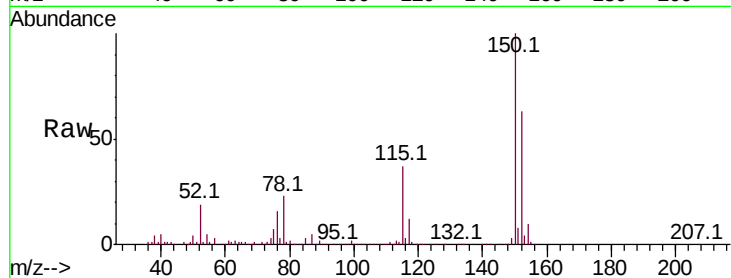
Tot Ion:152 Resp: 383571

Ion Ratio Lower Upper

152 100

115 60.2 30.3 91.0

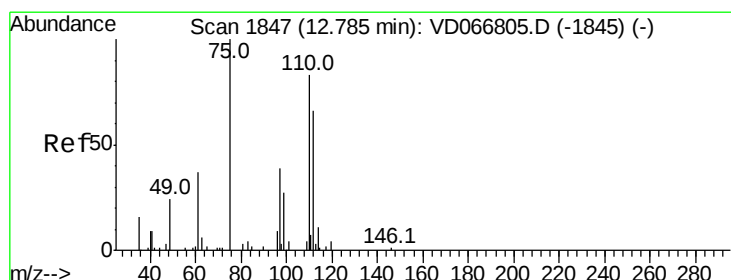
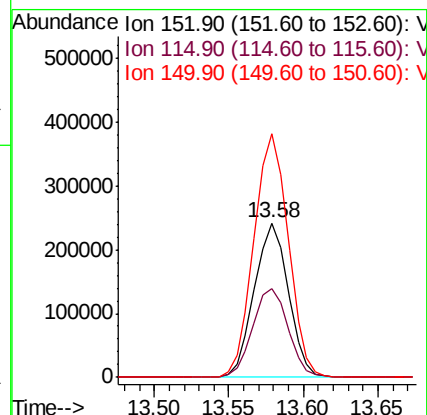
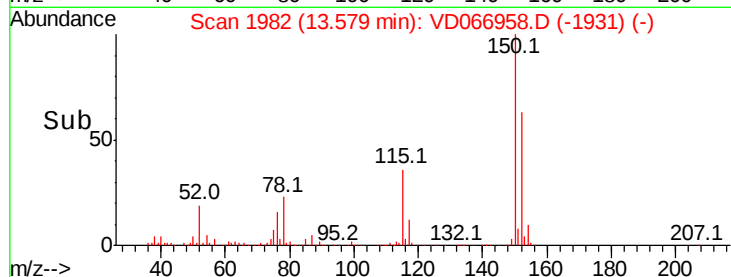
150 159.0 0.0 346.2



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: 56.857 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066958.D

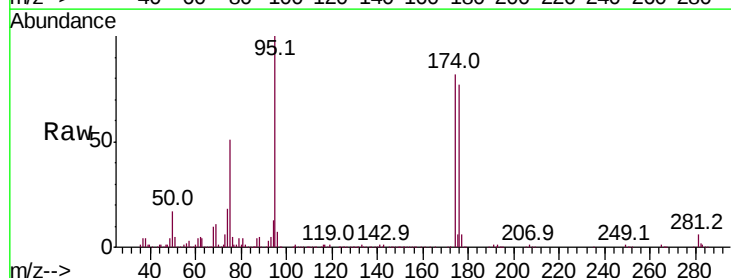
Acq: 30 Sep 2020 01:27

Tgt Ion: 75 Resp: 180733

Ion Ratio Lower Upper

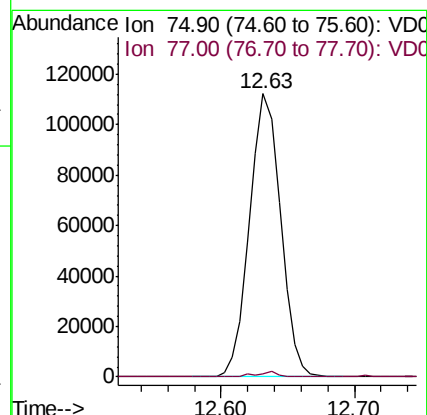
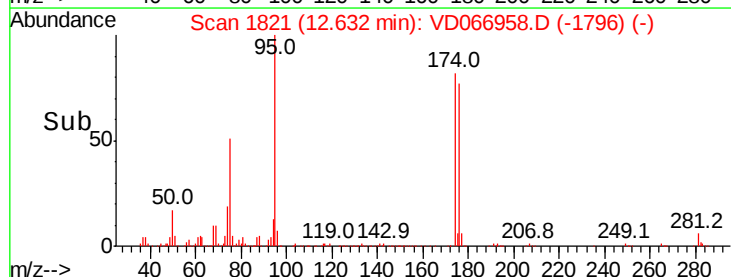
75 100

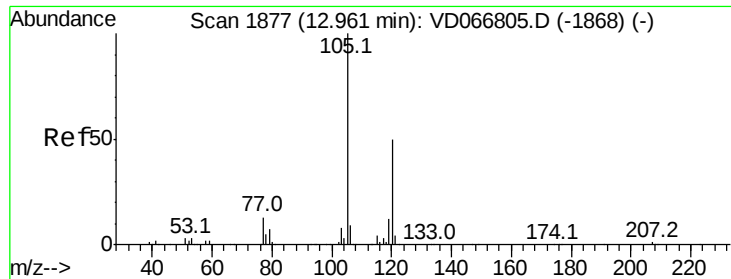
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.180 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

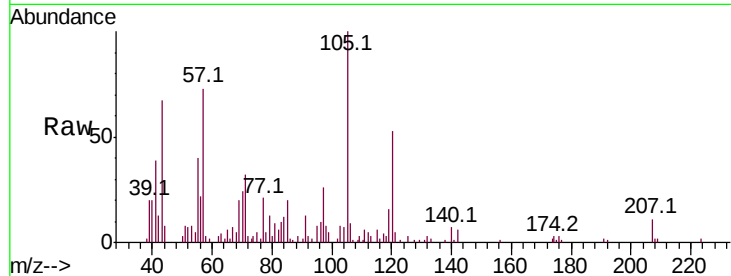
B-10(4-5)

Tot Ion:105 Resp: 27748

Ion Ratio Lower Upper

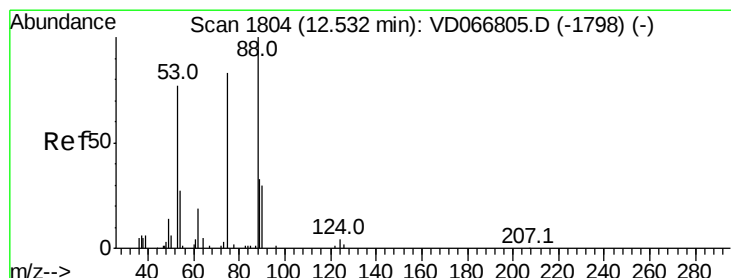
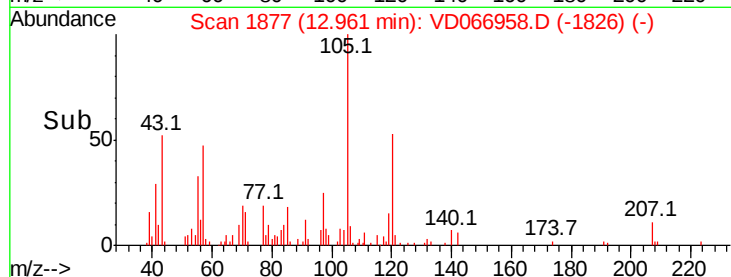
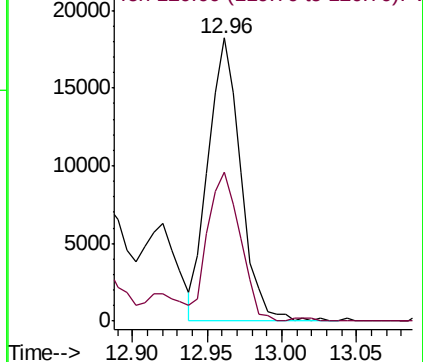
105 100

120 52.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.251 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

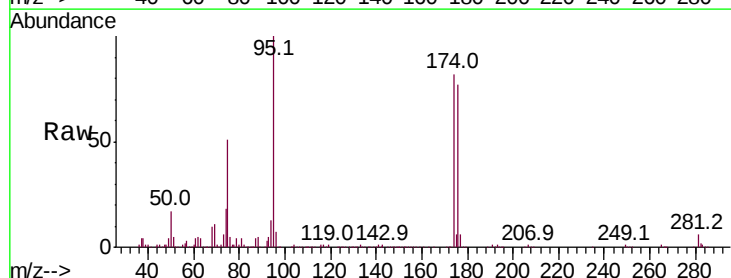
Tgt Ion: 75 Resp: 180733

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

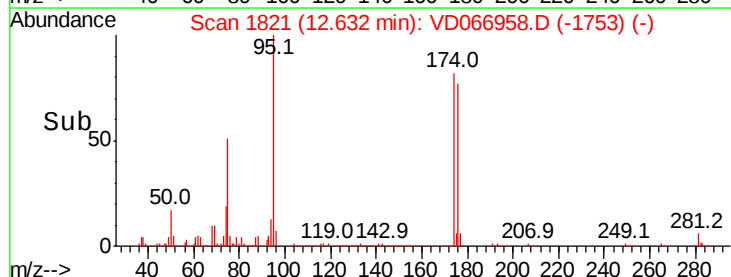
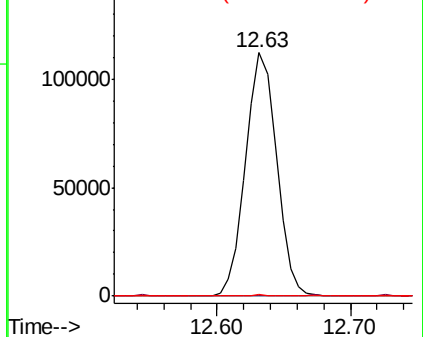
89 0.3 38.1 57.1#

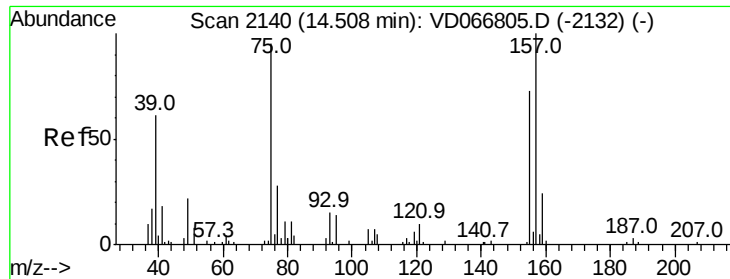


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 1.075 ug/l

RT: 14.48 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

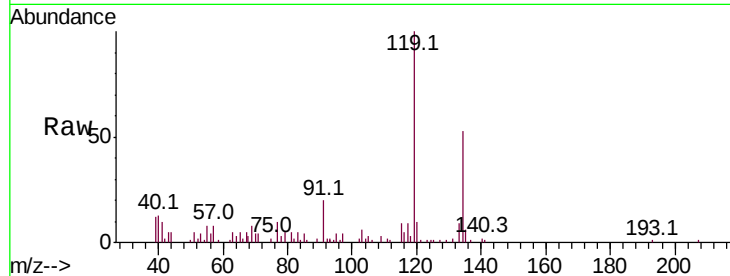
Tot Ion: 75 Resp: 827

Ion Ratio Lower Upper

75 100

155 46.7 40.4 121.2

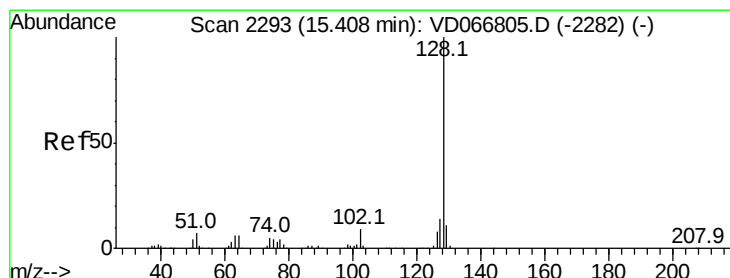
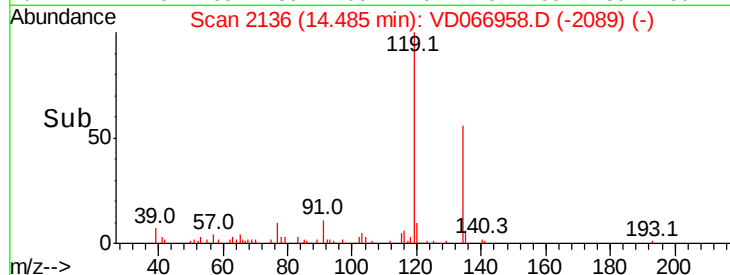
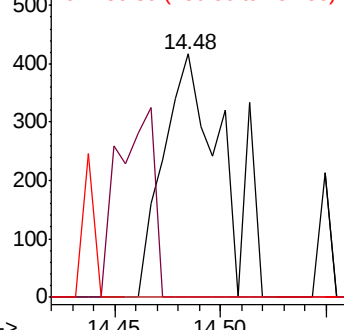
157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 15.139 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066958.D

Acq: 30 Sep 2020 01:27

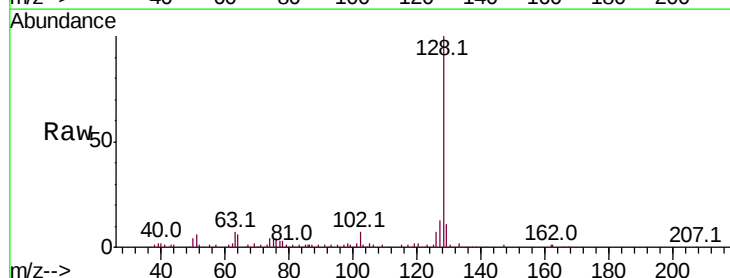
Tgt Ion: 128 Resp: 177228

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 12.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

