

Data File : VD065463.D
Acq On : 10 Mar 2020 15:30
Operator : VA/SY
Sample : L1873-01
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Quant Time: Mar 11 01:56:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	536638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	941058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	867543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	396379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	278861	60.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.16%	
35) Dibromofluoromethane	7.91	113	303179	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.34	98	1130934	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.64	95	345527	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

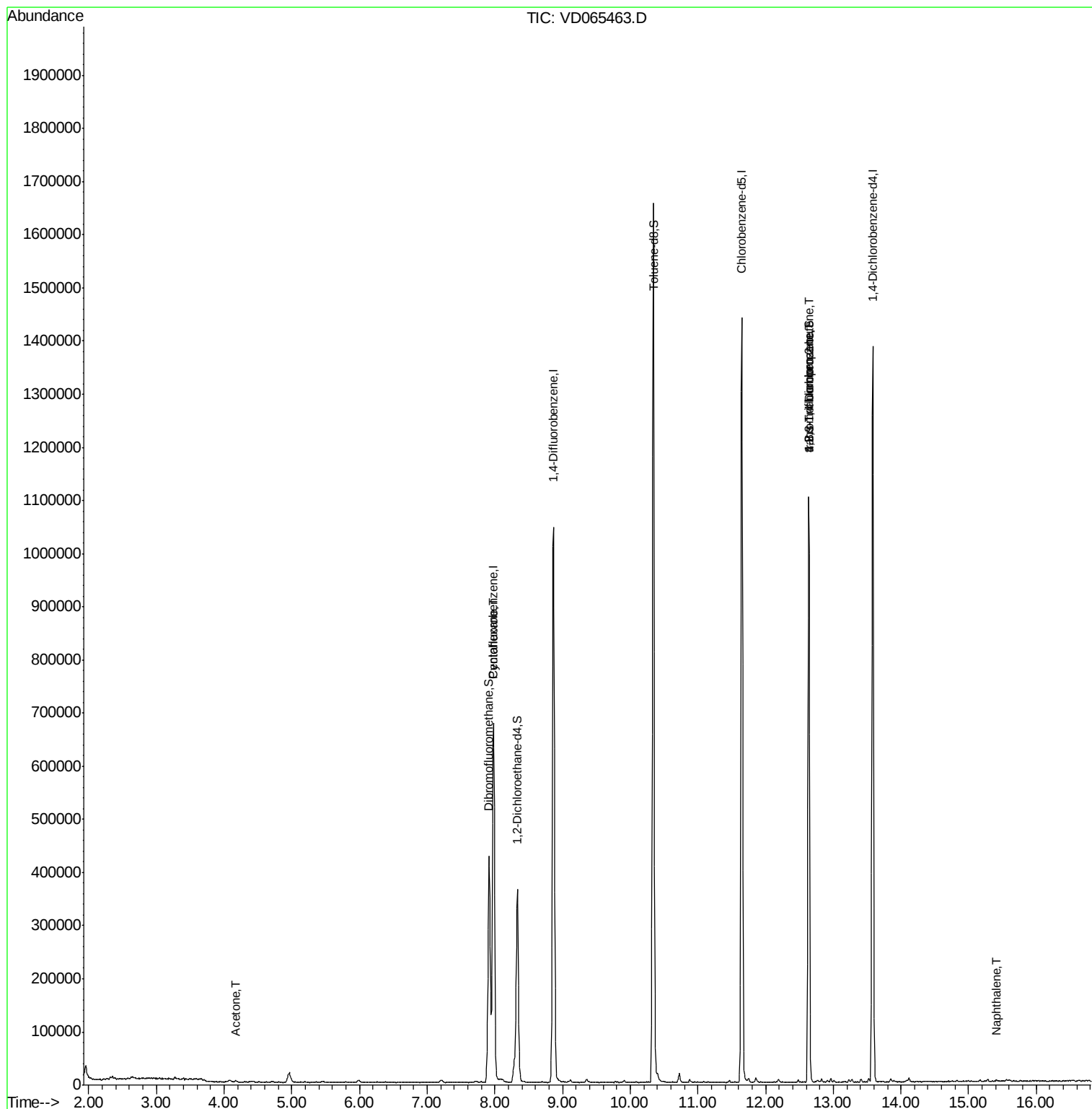
					Qvalue	
5) Bromomethane	2.79	94	1367	Below Cal	#	51
16) Acetone	4.16	43	1835	1.971	ug/l #	82
20) Methylene Chloride	4.96	84	14612	Below Cal	#	84
31) Cyclohexane	7.98	56	11853	1.297	ug/l #	7
76) 1,2,3-Trichloropropane	12.64	75	166644	53.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	166644	112.435	ug/l #	14
95) Naphthalene	15.41	128	2134	4.559	ug/l #	91

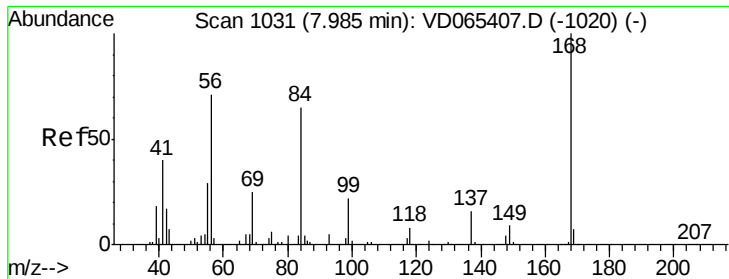
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

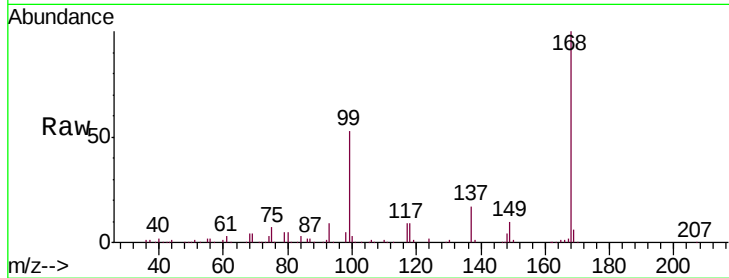
TP-1

Tgt Ion:168 Resp: 536638

Ion Ratio Lower Upper

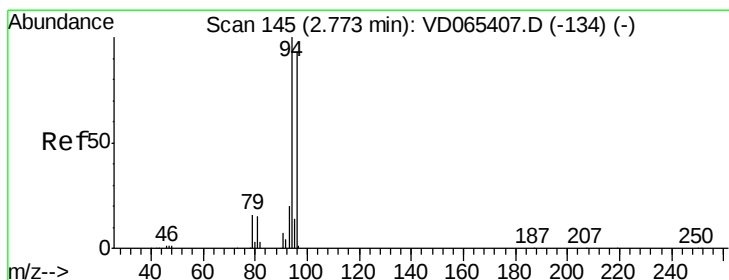
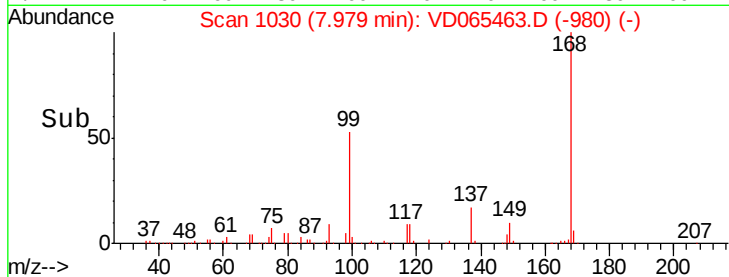
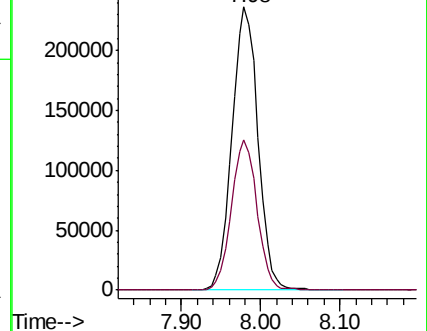
168 100

99 52.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065463.D

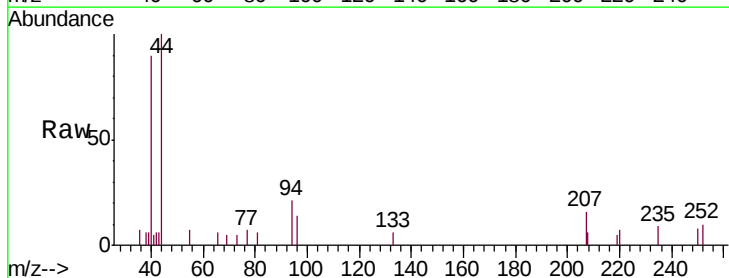
Acq: 10 Mar 2020 15:30

Tgt Ion: 94 Resp: 1367

Ion Ratio Lower Upper

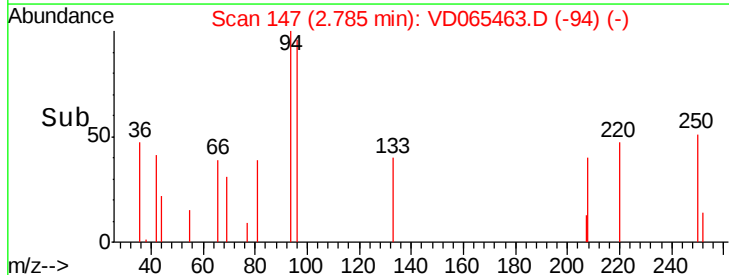
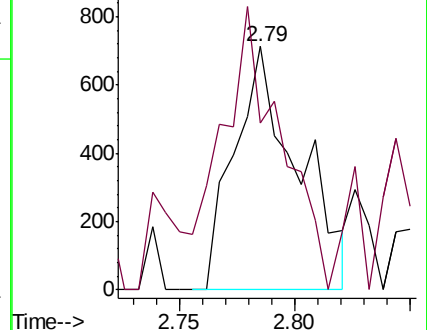
94 100

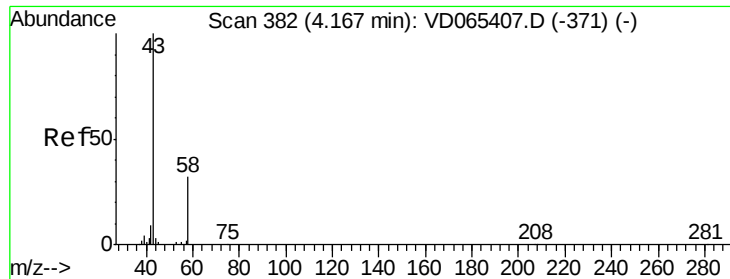
96 46.2 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 1.971 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampled :

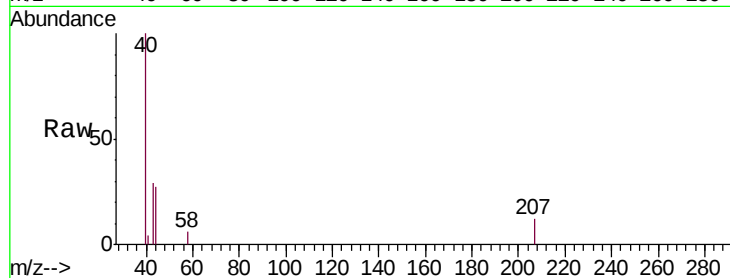
TP-1

Tgt Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

58 21.6 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

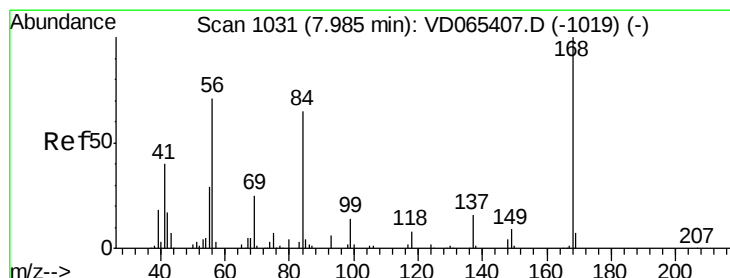
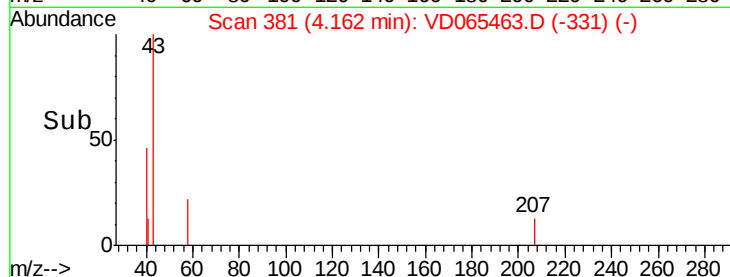
1000

500

0

4.12 4.14 4.16 4.18

Time-->



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

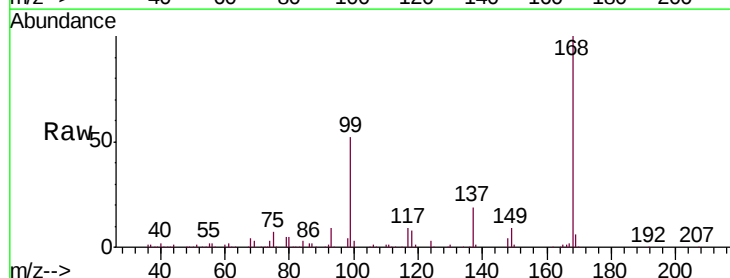
Tgt Ion: 56 Resp: 11853

Ion Ratio Lower Upper

56 100

69 146.3 28.3 42.5#

84 143.4 73.1 109.7#



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

12000

10000

8000

6000

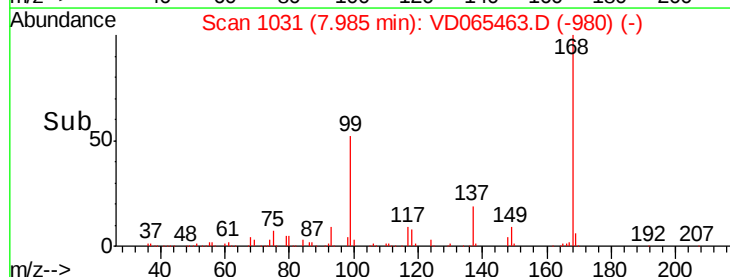
4000

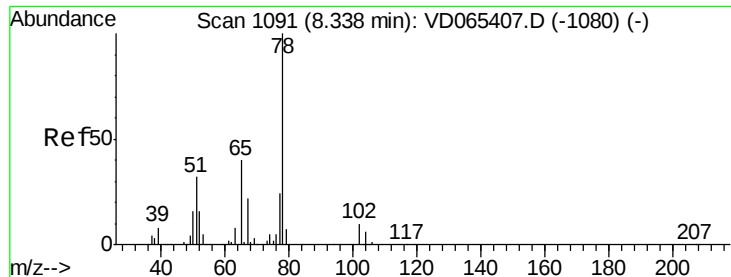
2000

0

7.90 7.95 8.00 8.05

Time-->

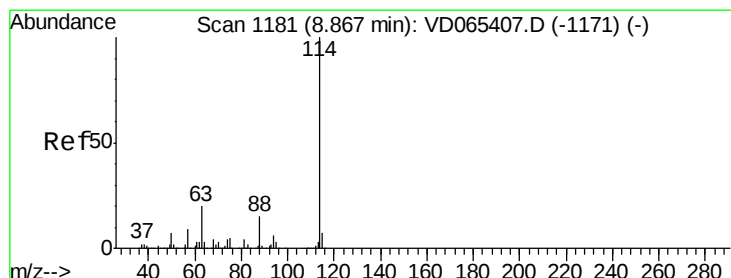
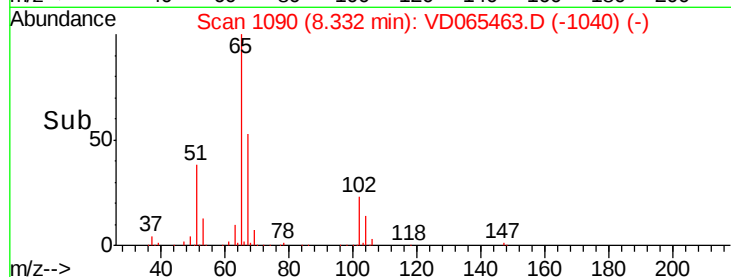
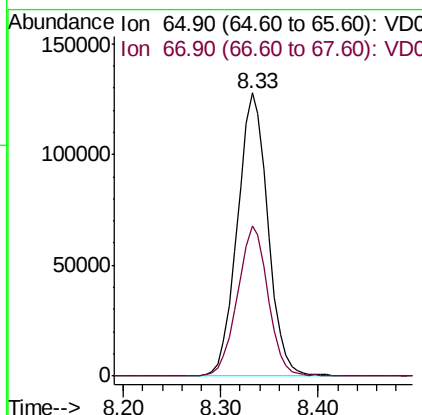
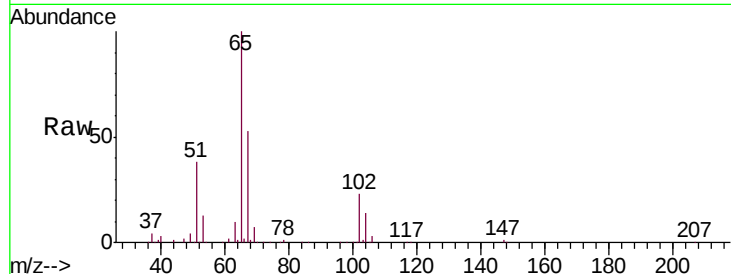




#33
 1,2-Dichloroethane-d4
 Concen: 60.579 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065463.D
 Acq: 10 Mar 2020 15:30

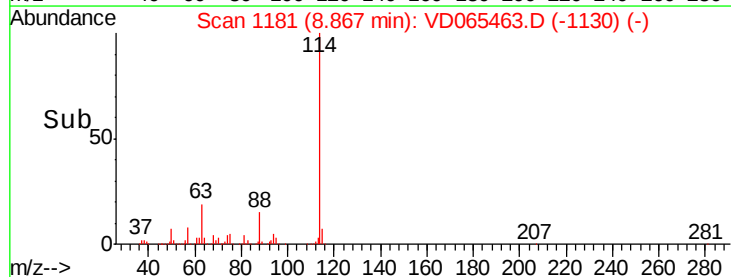
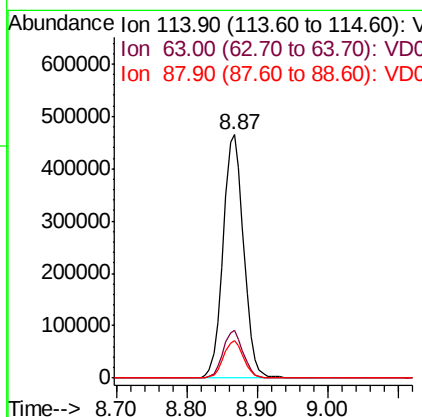
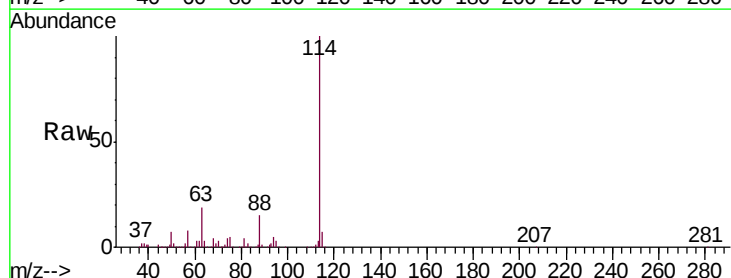
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

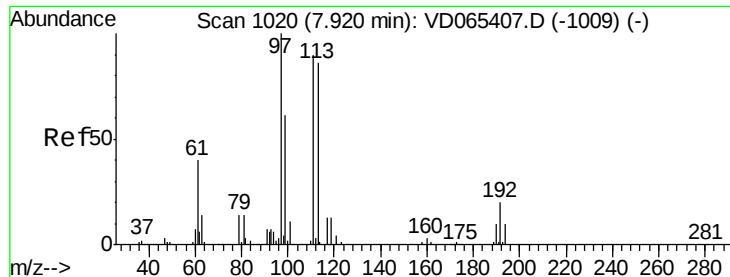
Tgt Ion: 65 Resp: 278861
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065463.D
 Acq: 10 Mar 2020 15:30

Tgt Ion: 114 Resp: 941058
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.4 0.0 30.4

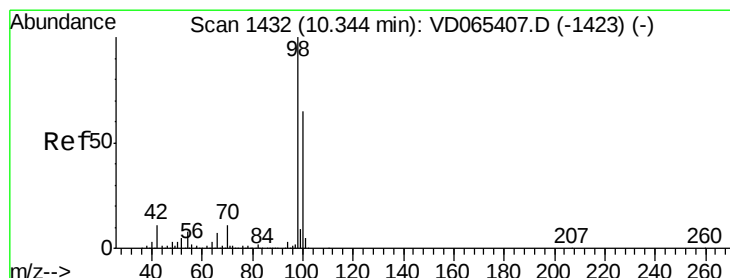
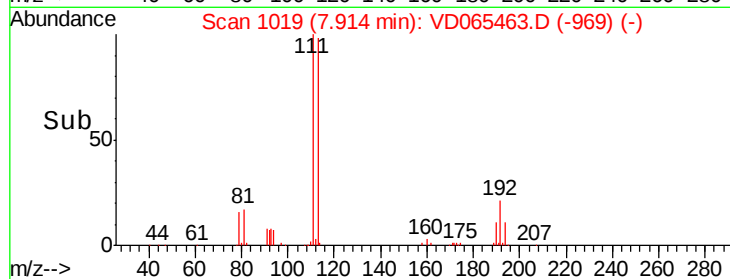
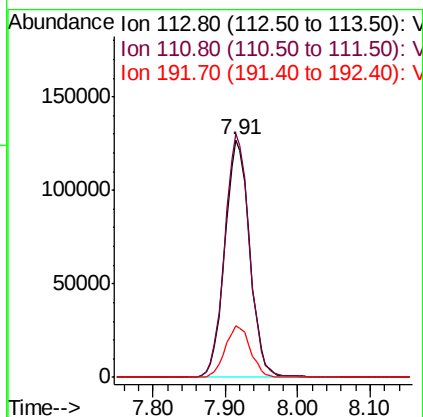
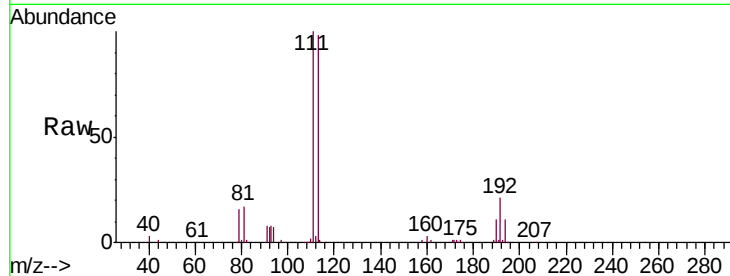




#35
 Dibromofluoromethane
 Concen: 52.097 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065463.D
 Acq: 10 Mar 2020 15:30

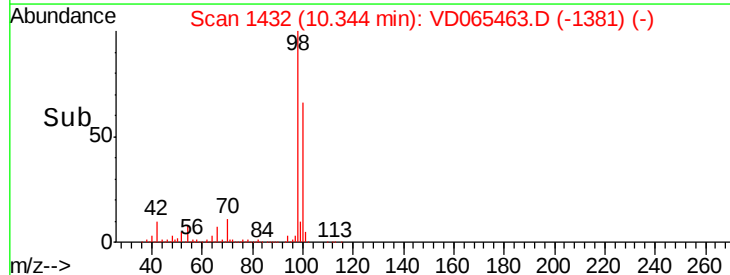
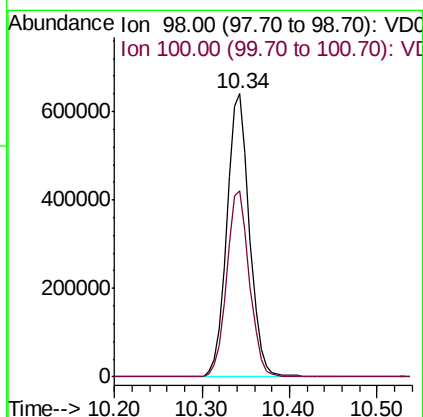
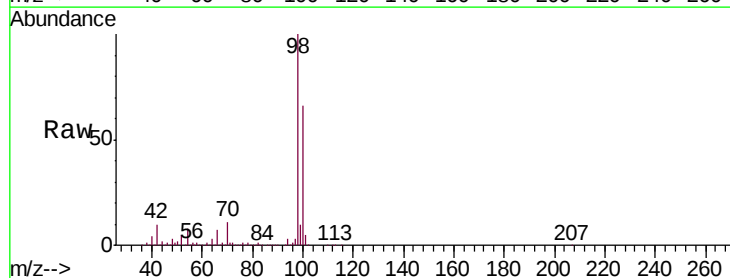
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

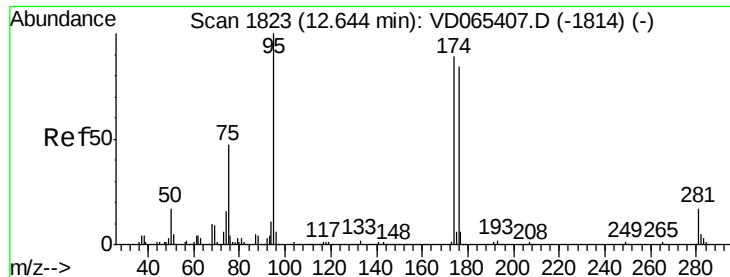
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.1	123.1
192	22.0	17.2	25.8



#50
 Toluene-d8
 Concen: 50.655 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065463.D
 Acq: 10 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2

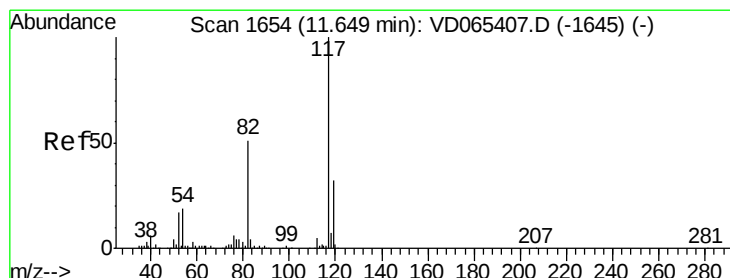
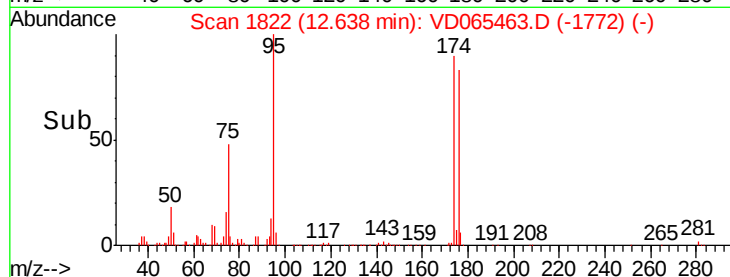
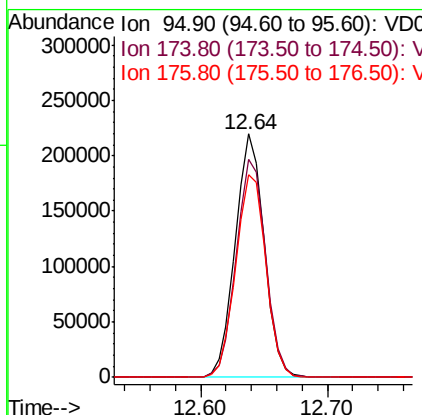
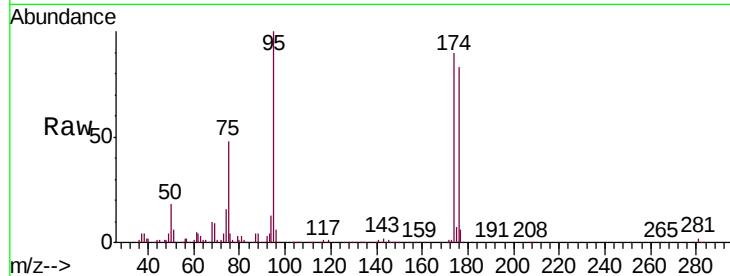




#62
4-Bromofluorobenzene
Concen: 50.133 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065463.D
Acq: 10 Mar 2020 15:30

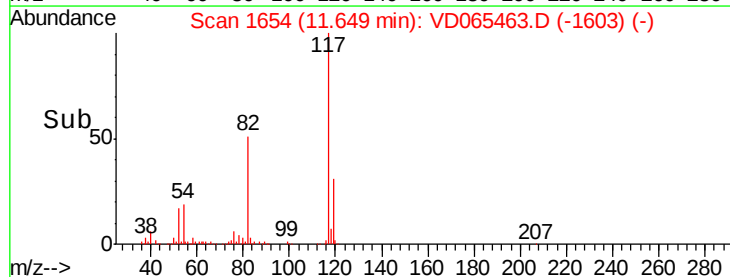
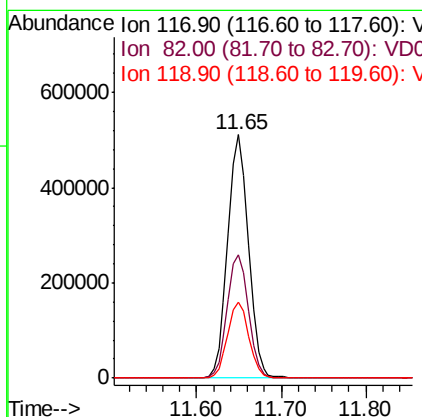
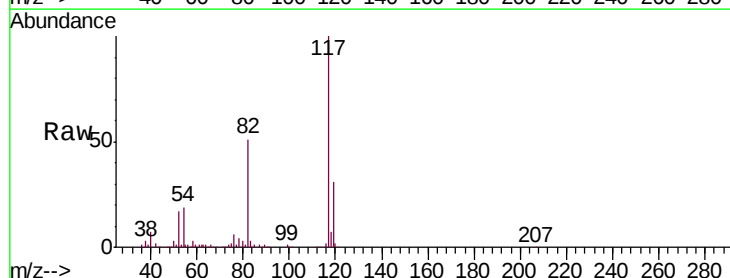
Instrument :
MSVOA_D
ClientSampleId :
TP-1

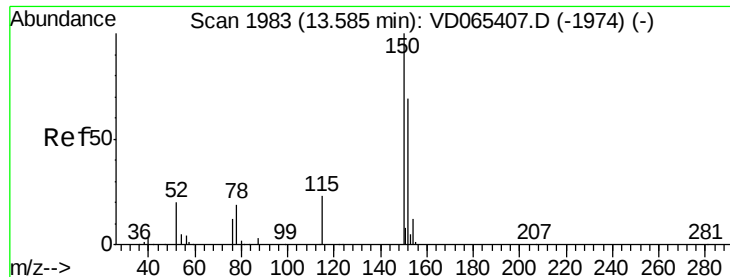
Tgt Ion: 95 Resp: 345527
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.8
176 86.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065463.D
Acq: 10 Mar 2020 15:30

Tgt Ion: 117 Resp: 867543
Ion Ratio Lower Upper
117 100
82 50.9 40.6 60.8
119 31.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

TP-1

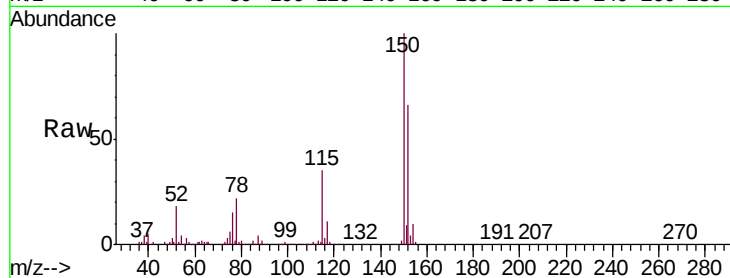
Tgt Ion:152 Resp: 396379

Ion Ratio Lower Upper

152 100

115 54.6 27.6 82.8

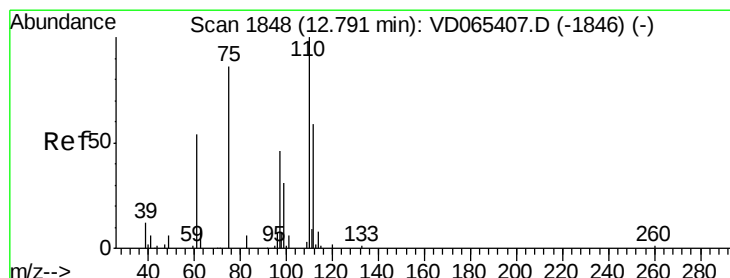
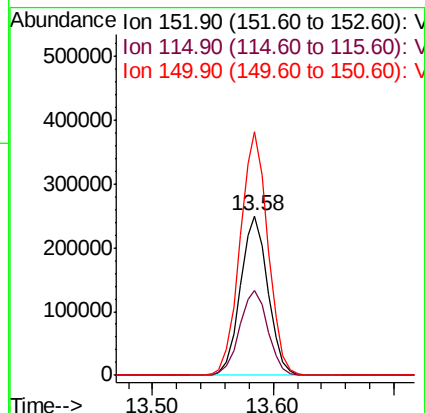
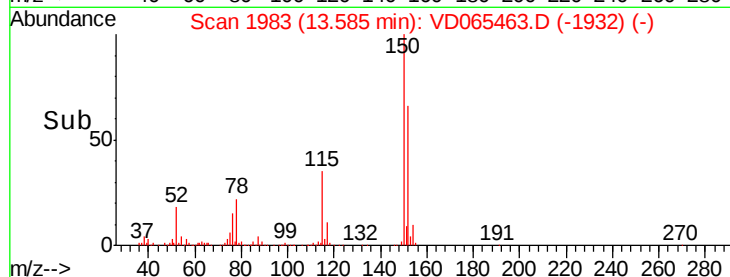
150 154.5 0.0 345.0



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: 53.279 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065463.D

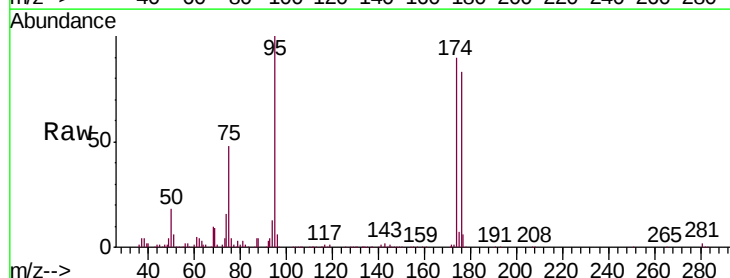
Acq: 10 Mar 2020 15:30

Tgt Ion: 75 Resp: 166644

Ion Ratio Lower Upper

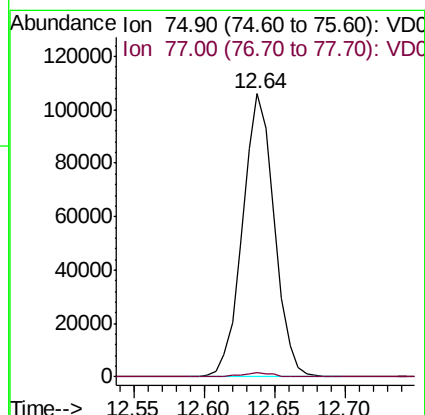
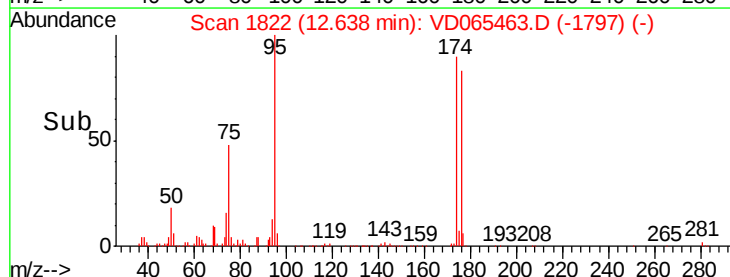
75 100

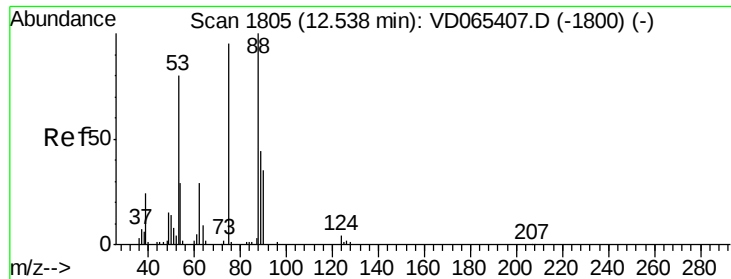
77 1.3 0.0 0.0#



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: 112.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

TP-1

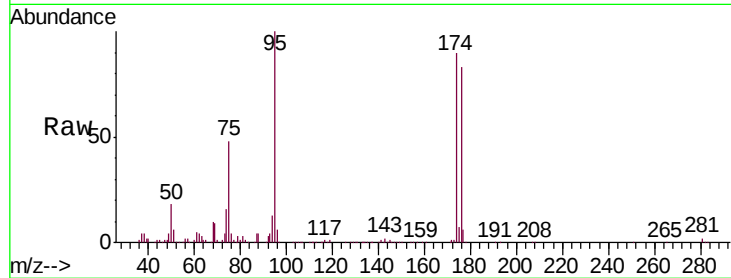
Tgt Ion: 75 Resp: 166644

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

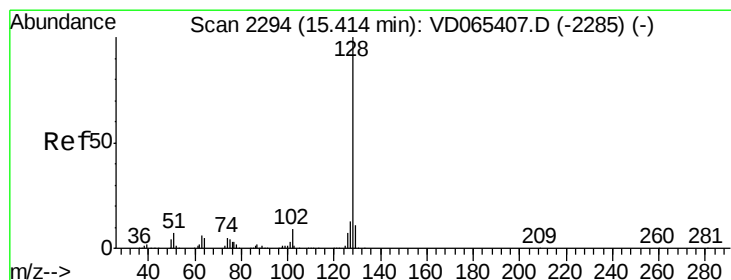
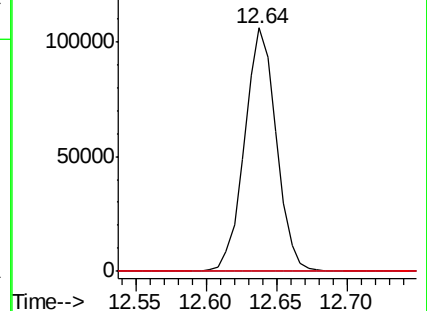
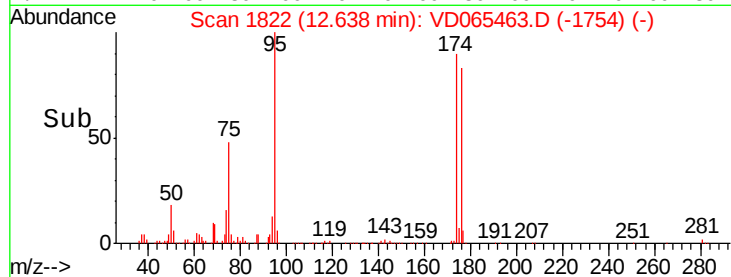
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 4.559 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065463.D

Acq: 10 Mar 2020 15:30

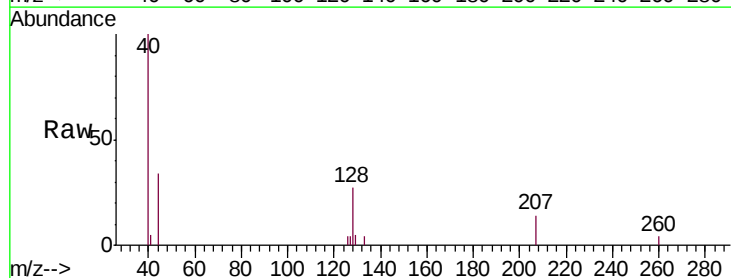
Tgt Ion: 128 Resp: 2134

Ion Ratio Lower Upper

128 100

127 7.9 10.6 16.0#

129 9.5 8.7 13.1



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

