

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060697.D
 Acq On : 25 Mar 2020 15:14
 Operator : JC/MD
 Sample : L2008-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-726

Quant Time: Mar 26 02:50:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	121817	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	7.56	113	92308	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.08	98	379880	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	139392	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	

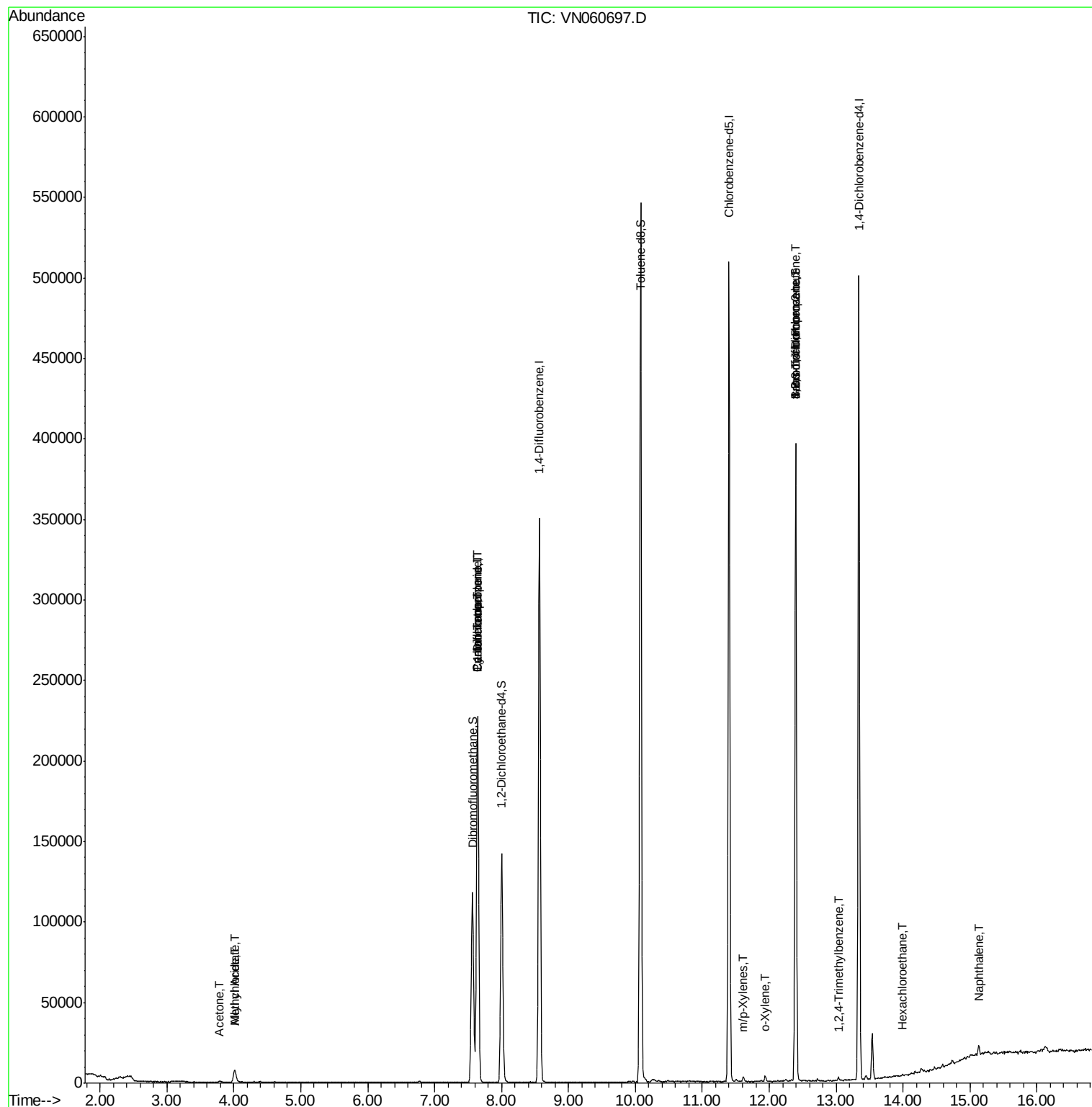
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.01	41	1092	0.308	ug/l #	78
16) Acetone	3.79	43	1418	1.565	ug/l	97
18) Methyl Acetate	4.01	43	2514	0.986	ug/l #	54
31) Cyclohexane	7.64	56	3941	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14284	4.749	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17505	6.493	ug/l #	16
68) m/p-Xylenes	11.61	106	1149	0.294	ug/l	90
69) o-Xylene	11.94	106	1137	0.305	ug/l	83
71) Bromoform	12.39	173	324	1.865	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	70184	25.192	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70184	64.701	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	1759	0.216	ug/l	89
90) Hexachloroethane	13.99	117	453	0.378	ug/l #	8
95) Naphthalene	15.13	128	5046	0.694	ug/l	96

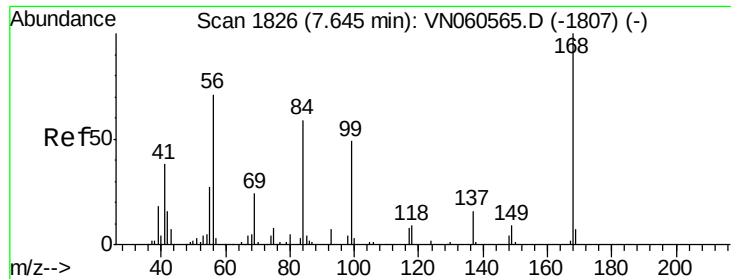
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

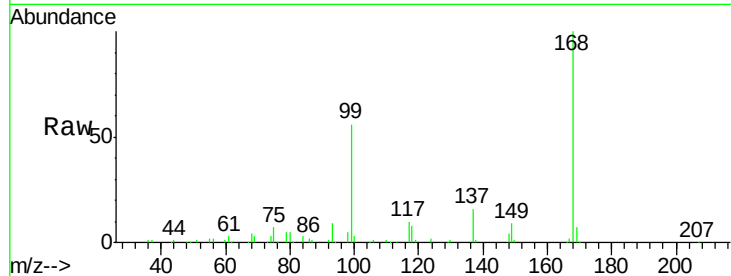
MH-726

Tgt Ion:168 Resp: 186299

Ion Ratio Lower Upper

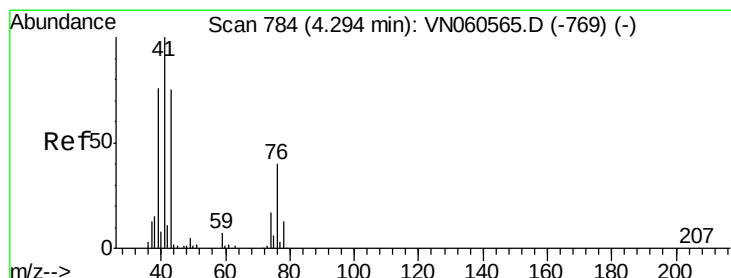
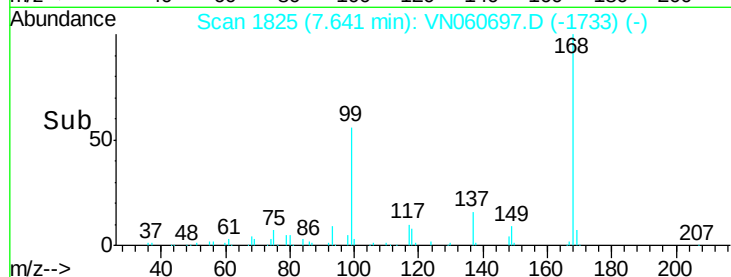
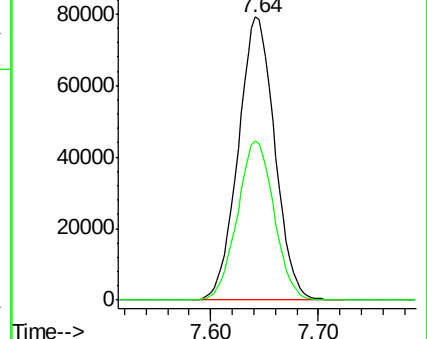
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 0.308 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.28 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

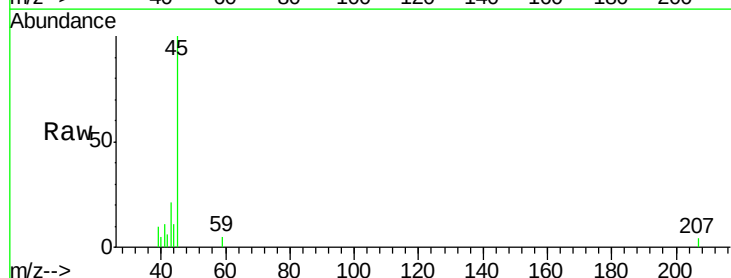
Tgt Ion: 41 Resp: 1092

Ion Ratio Lower Upper

41 100

39 70.1 57.8 86.8

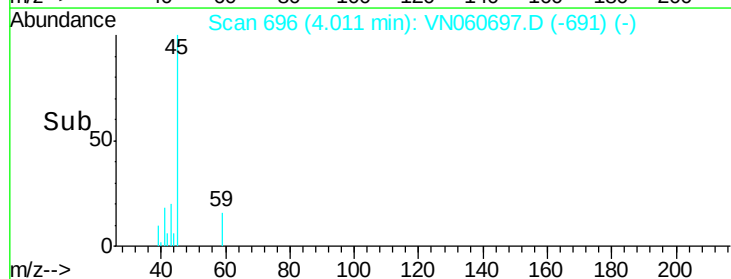
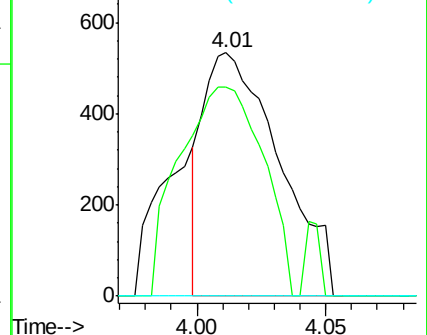
76 0.0 28.6 43.0#

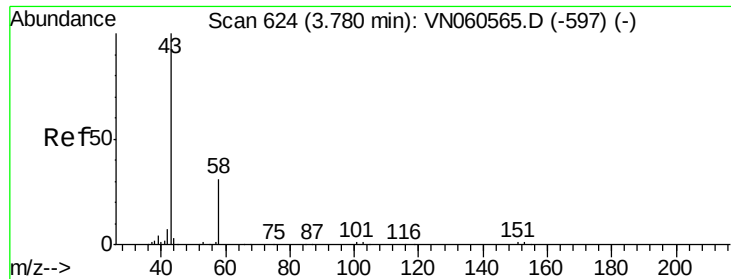


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

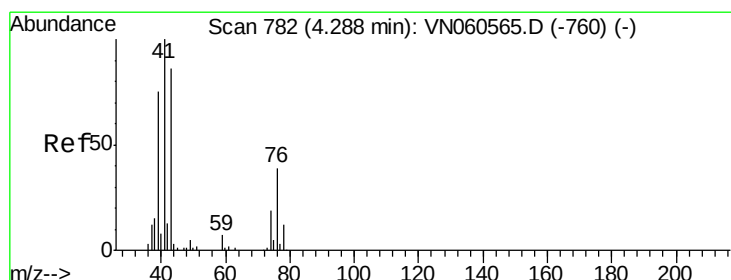
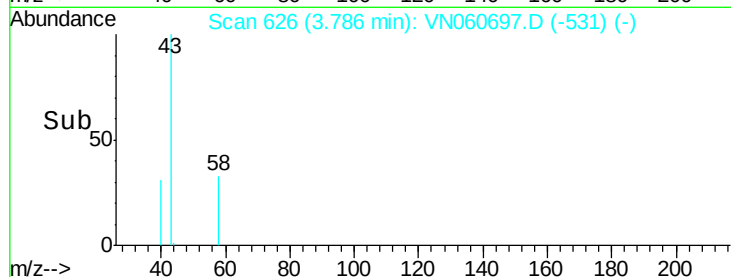
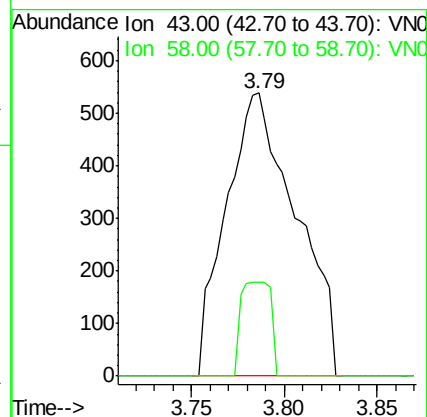
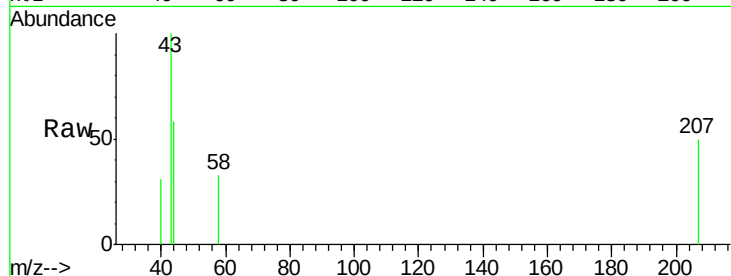




#16
Acetone
Concen: 1.565 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060697.D
Acq: 25 Mar 2020 15:14

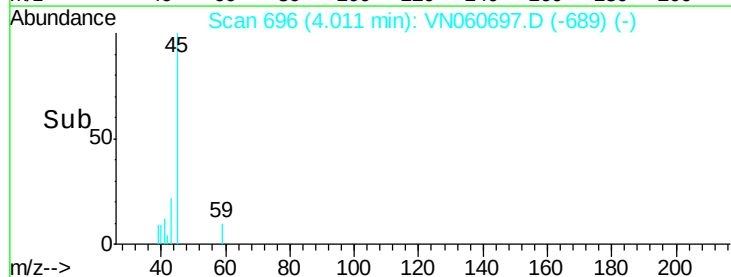
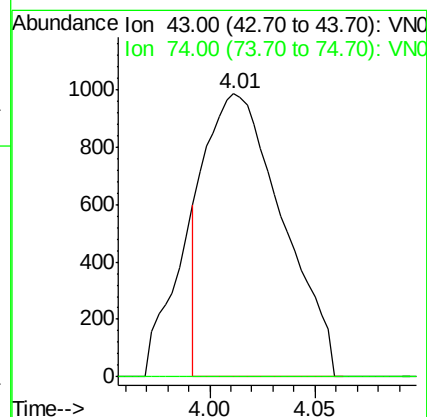
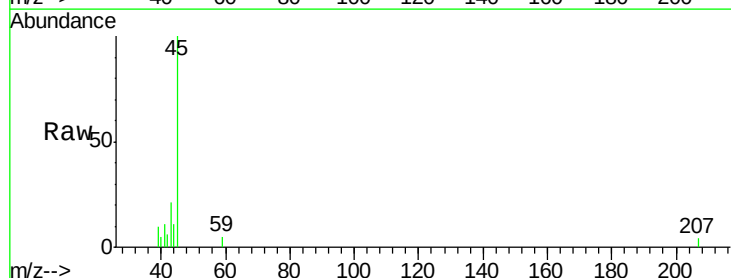
Instrument :
MSVOA_N
ClientSampled :
MH-726

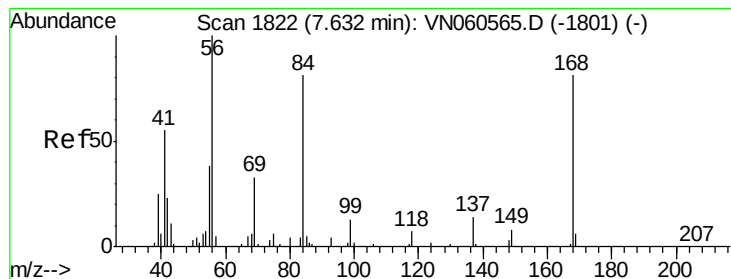
Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 33.1 25.1 37.7



#18
Methyl Acetate
Concen: 0.986 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.28 min
Lab File: VN060697.D
Acq: 25 Mar 2020 15:14

Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#31

Cyclohexane

Concen: 0.957 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

MH-726

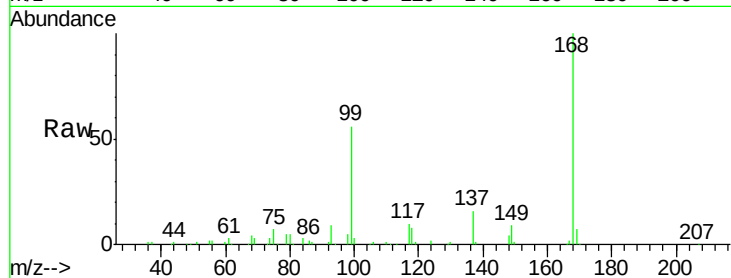
Tgt Ion: 56 Resp: 3941

Ion Ratio Lower Upper

56 100

69 168.3 26.6 40.0#

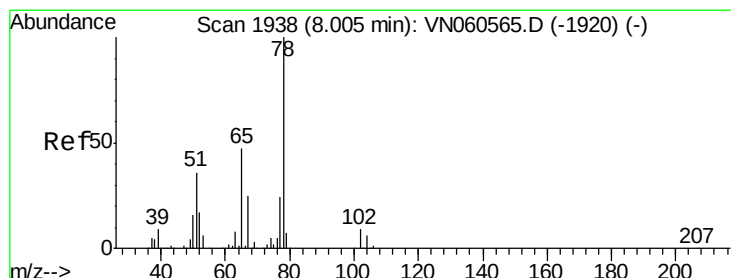
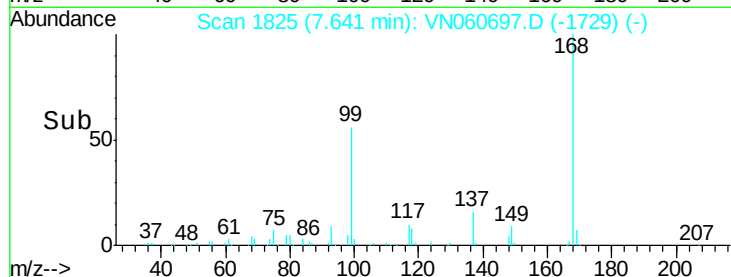
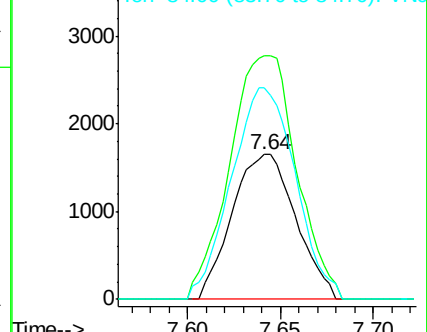
84 146.7 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060565.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.632 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060697.D

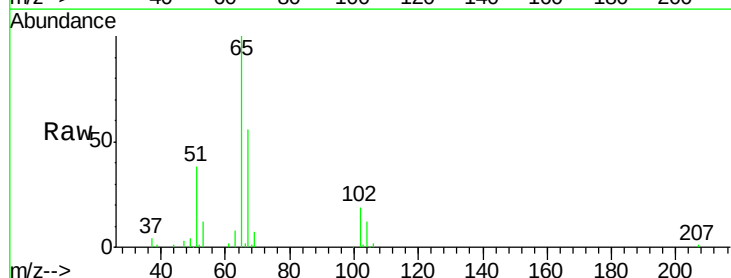
Acq: 25 Mar 2020 15:14

Tgt Ion: 65 Resp: 121817

Ion Ratio Lower Upper

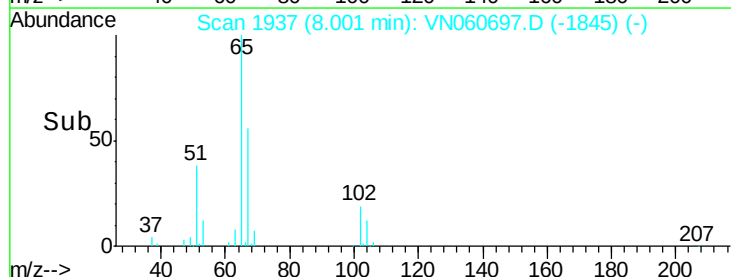
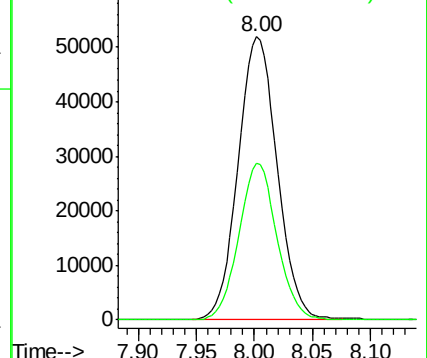
65 100

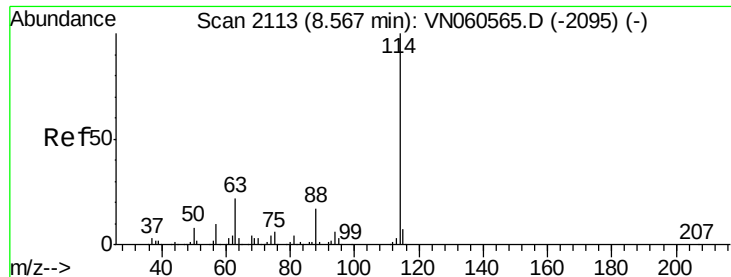
67 53.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

MH-726

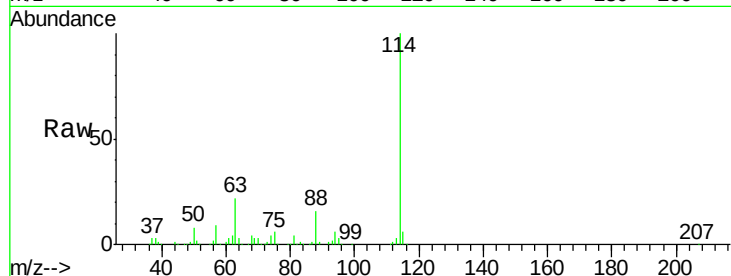
Tgt Ion:114 Resp: 310628

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

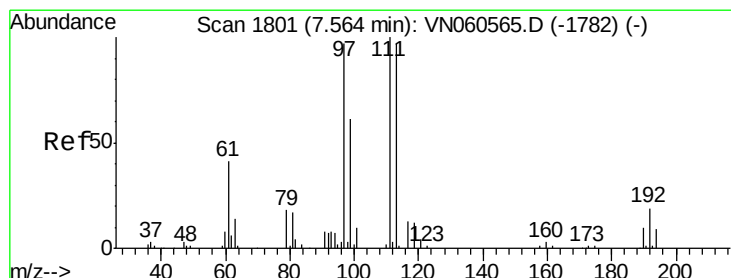
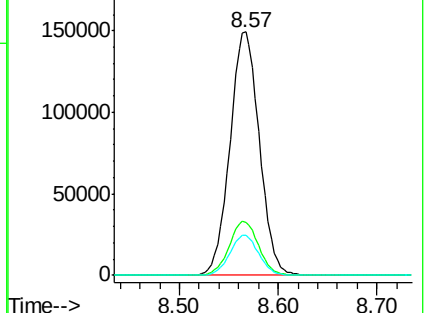
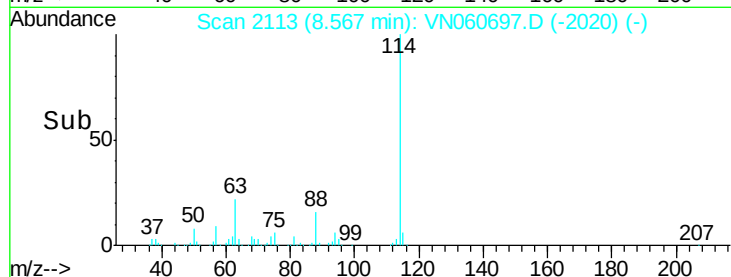
88 16.2 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.145 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

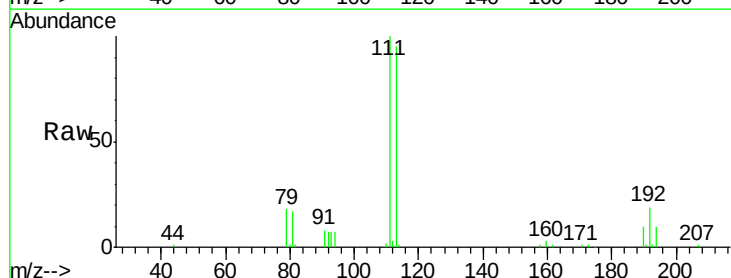
Tgt Ion:113 Resp: 92308

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

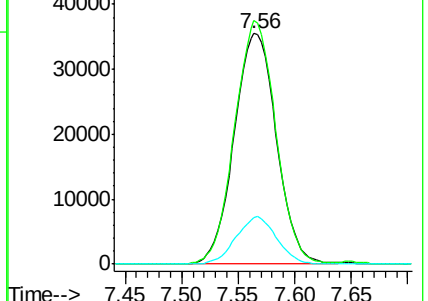
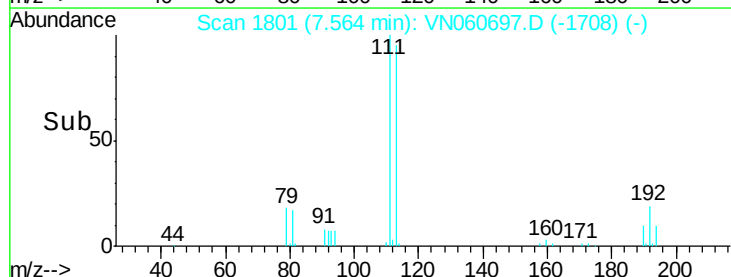
192 19.6 15.8 23.8

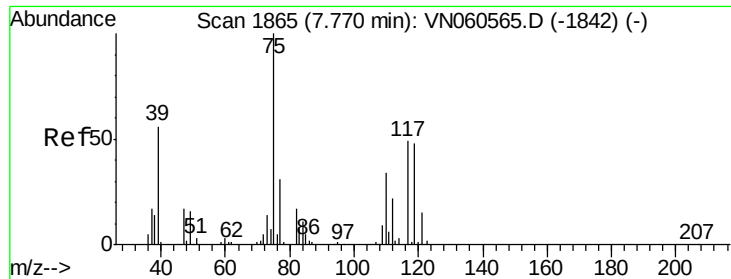


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

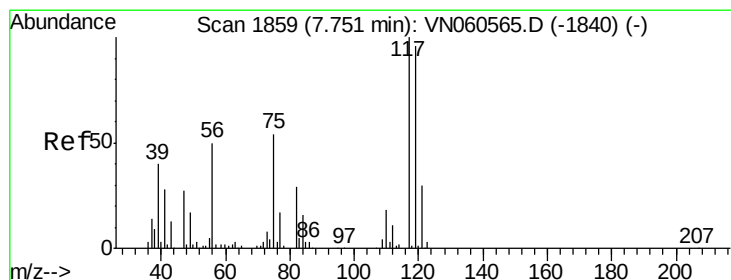
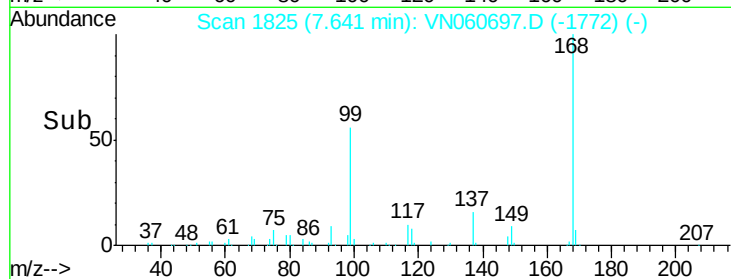
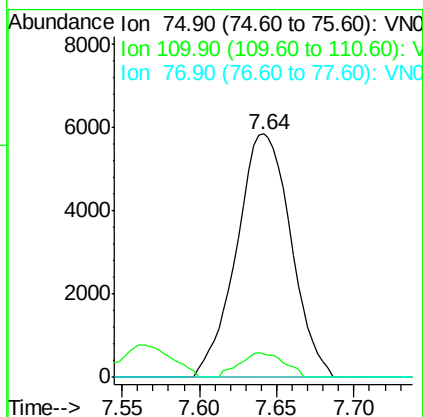
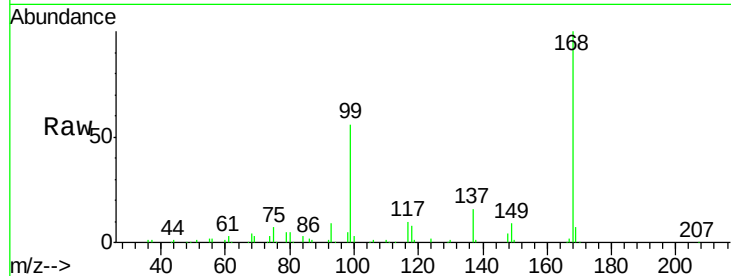




#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060697.D
 Acq: 25 Mar 2020 15:14

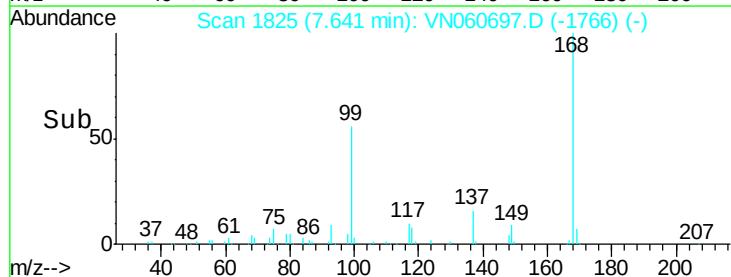
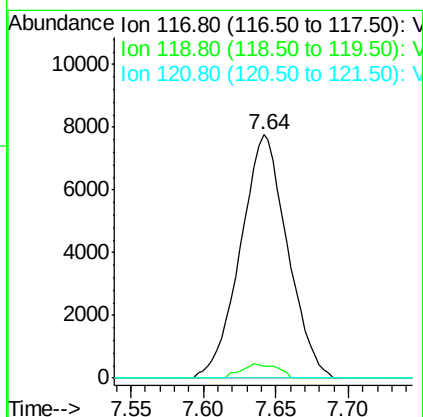
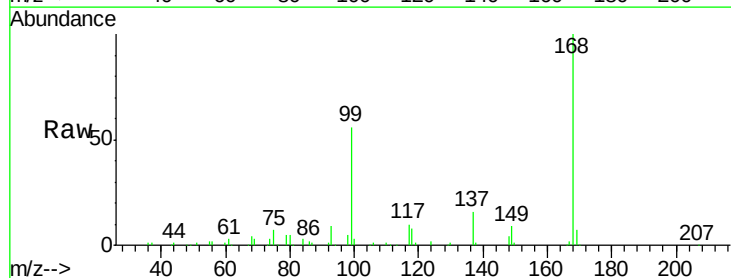
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-726

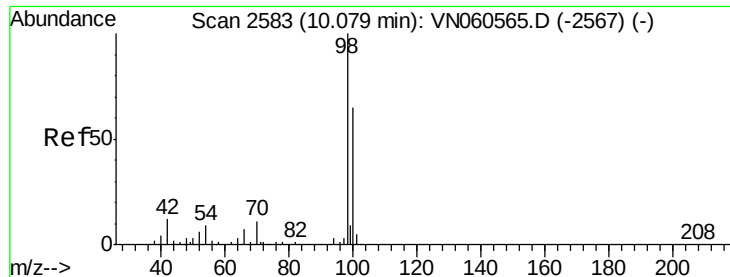
Tgt Ion: 75 Resp: 14284
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060697.D
 Acq: 25 Mar 2020 15:14

Tgt Ion: 117 Resp: 17505
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 49.515 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

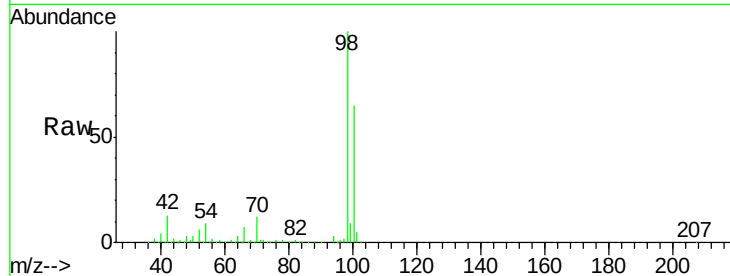
MH-726

Tgt Ion: 98 Resp: 379880

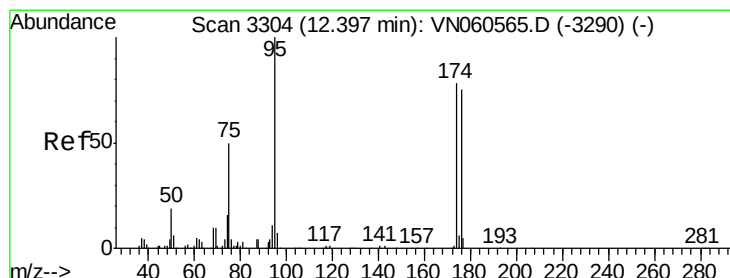
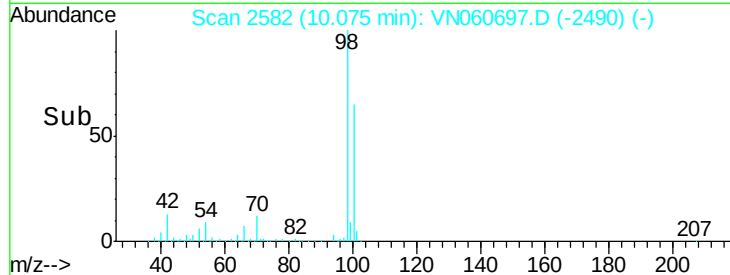
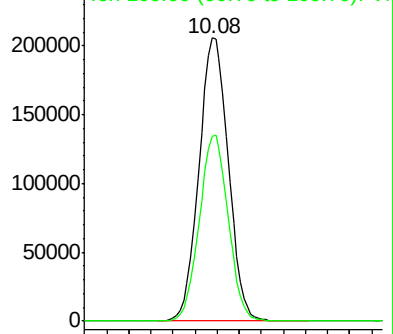
Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060565.D (-2567) (-)



#62

4-Bromofluorobenzene

Concen: 49.576 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

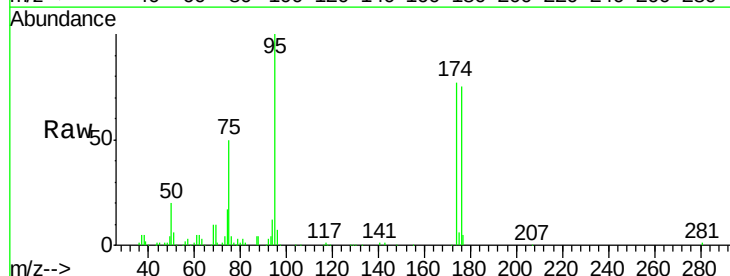
Tgt Ion: 95 Resp: 139392

Ion Ratio Lower Upper

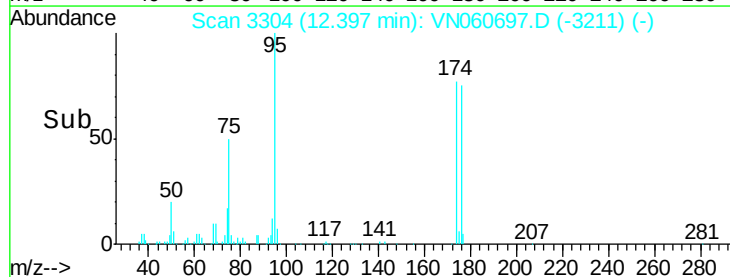
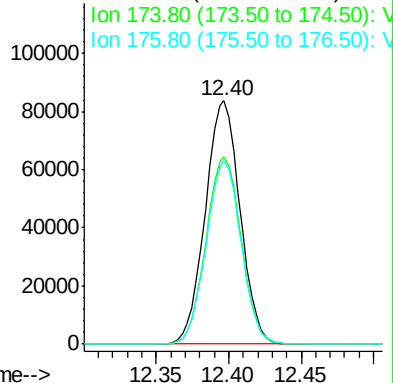
95 100

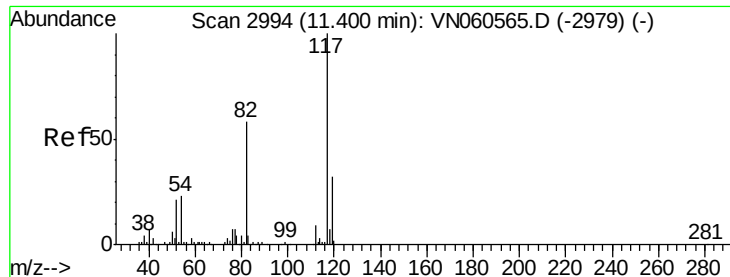
174 77.9 0.0 157.6

176 75.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060565.D (-3290) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

MH-726

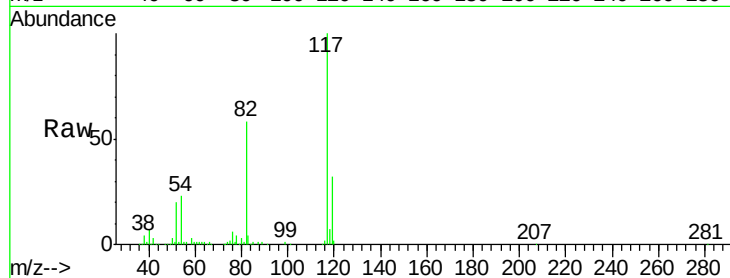
Tgt Ion:117 Resp: 285199

Ion Ratio Lower Upper

117 100

82 57.7 46.7 70.1

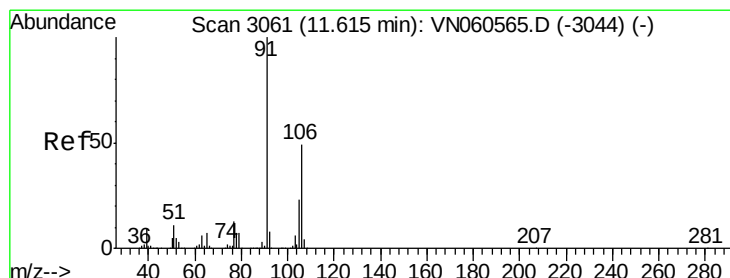
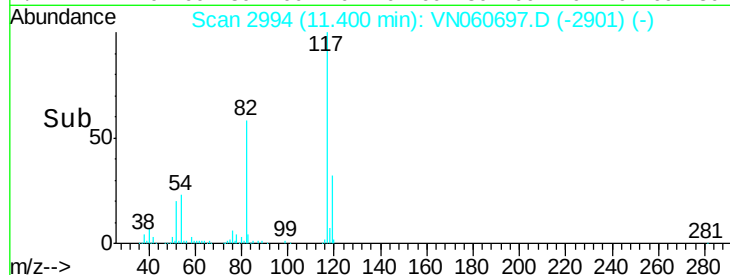
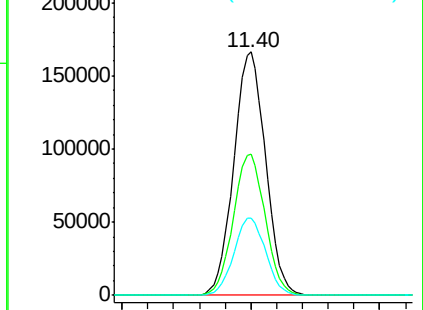
119 31.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.294 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060697.D

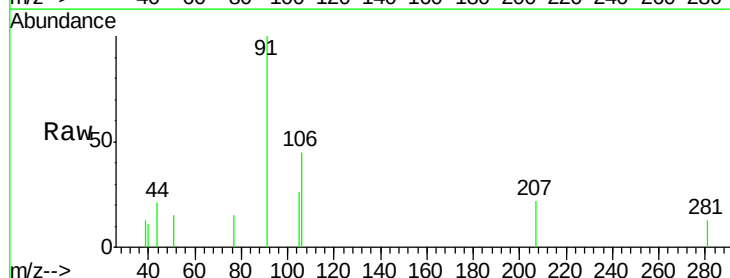
Acq: 25 Mar 2020 15:14

Tgt Ion:106 Resp: 1149

Ion Ratio Lower Upper

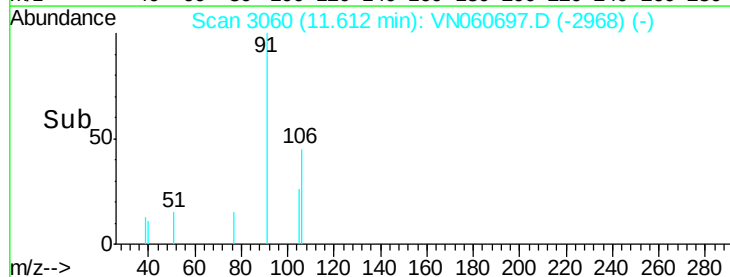
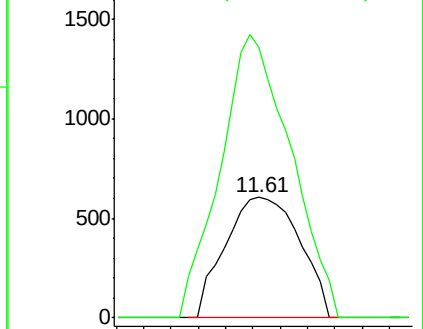
106 100

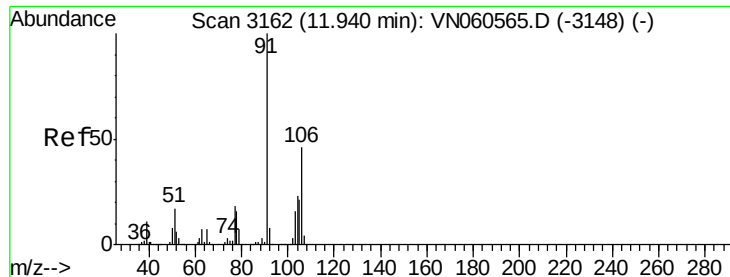
91 221.9 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 0.305 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

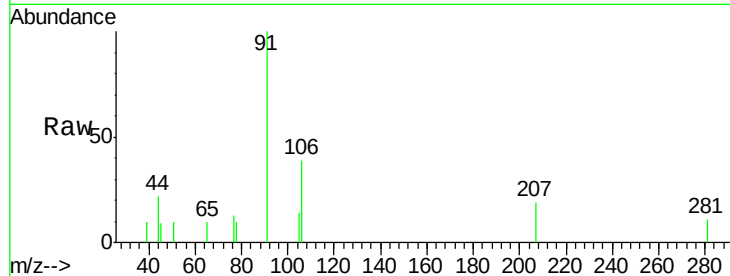
MH-726

Tgt Ion:106 Resp: 1137

Ion Ratio Lower Upper

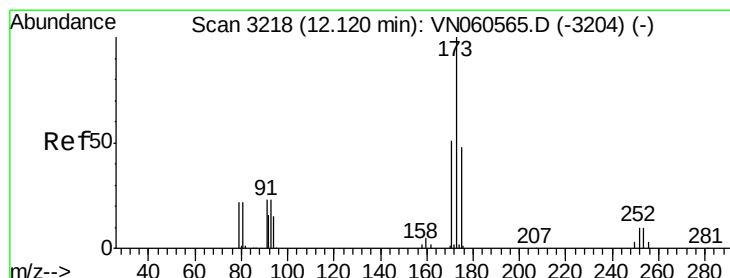
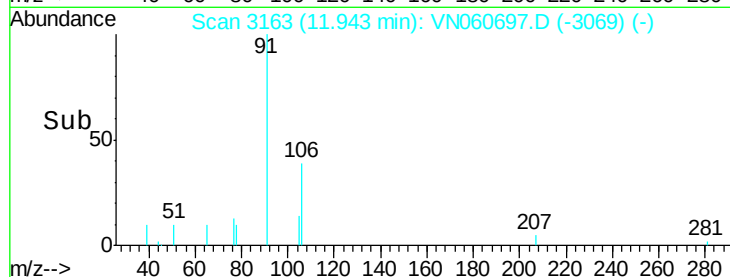
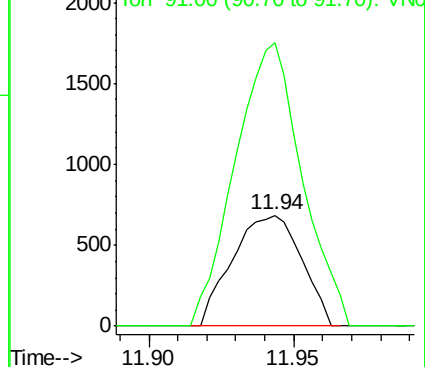
106 100

91 246.7 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 1.865 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

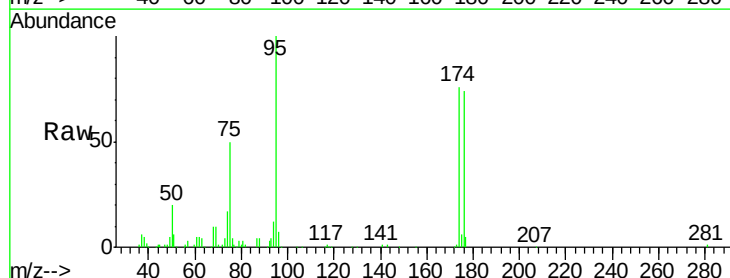
Tgt Ion:173 Resp: 324

Ion Ratio Lower Upper

173 100

175 2216.4 24.1 72.4#

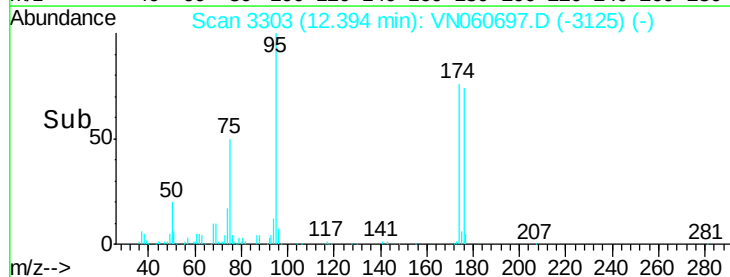
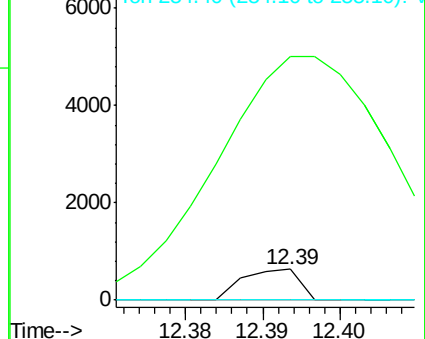
254 0.0 0.0 0.0

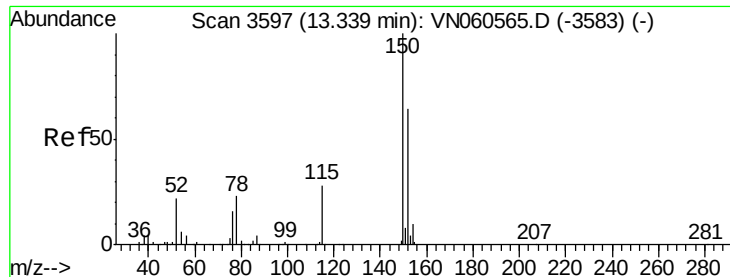


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

MH-726

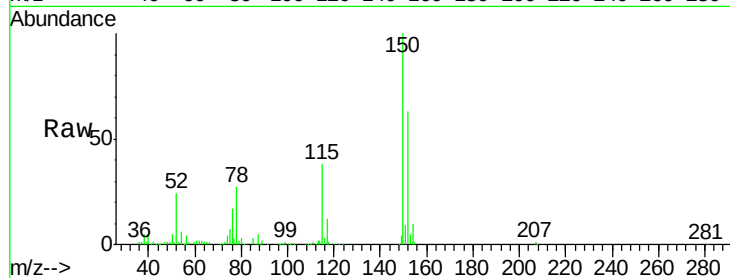
Tgt Ion:152 Resp: 129110

Ion Ratio Lower Upper

152 100

115 59.8 30.2 90.6

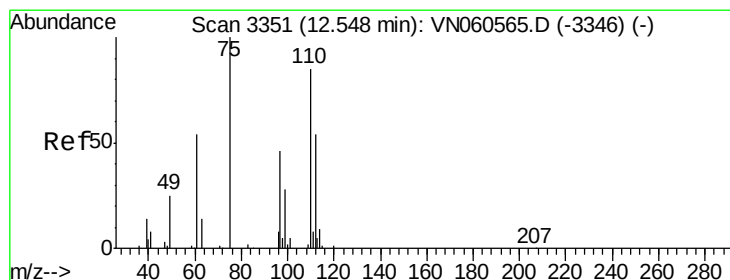
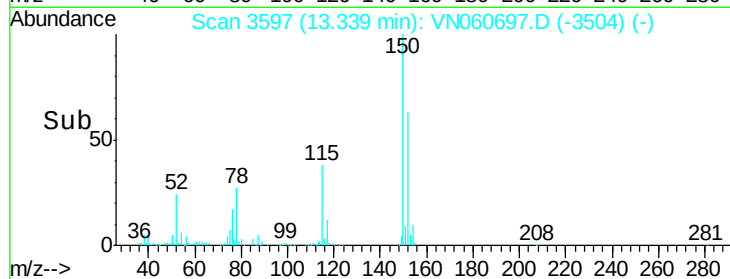
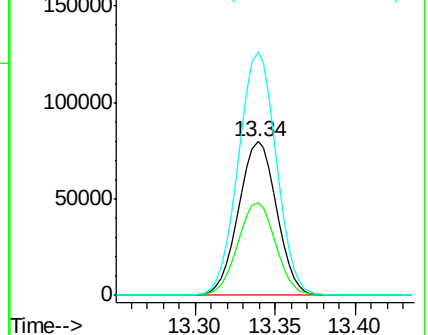
150 158.2 0.0 350.2



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: 25.192 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060697.D

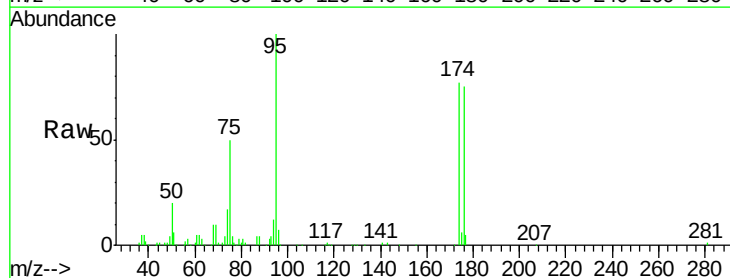
Acq: 25 Mar 2020 15:14

Tgt Ion: 75 Resp: 70184

Ion Ratio Lower Upper

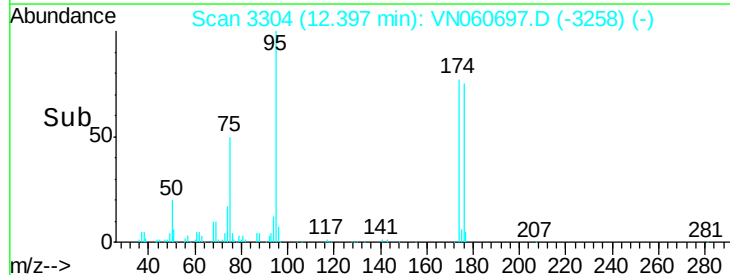
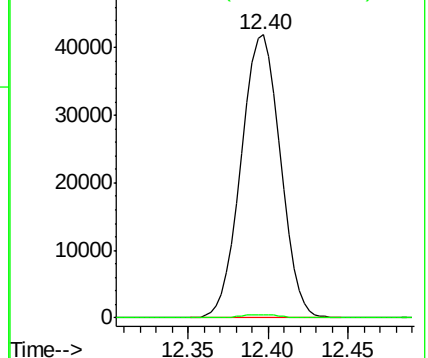
75 100

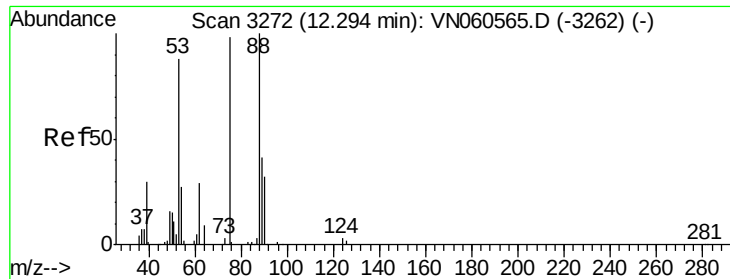
77 1.1 0.0 0.0#



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: 64.701 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

MH-726

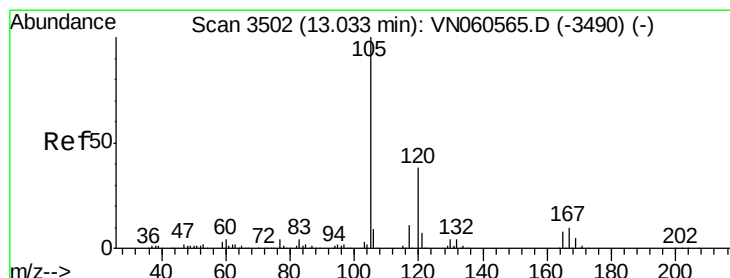
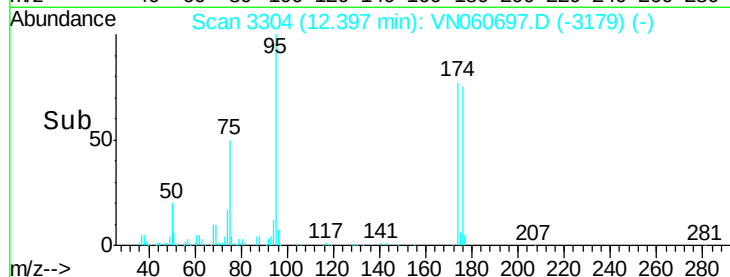
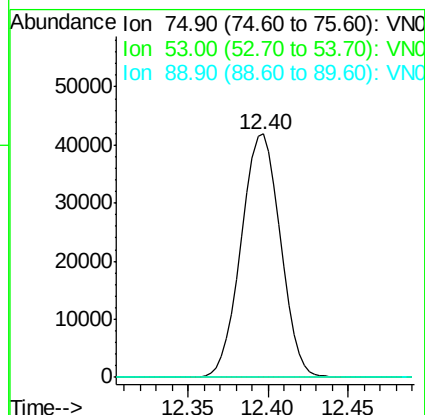
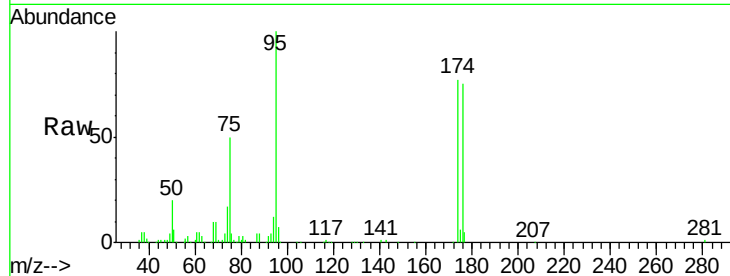
Tgt Ion: 75 Resp: 70184

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



#84

1,2,4-Trimethylbenzene

Concen: 0.216 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060697.D

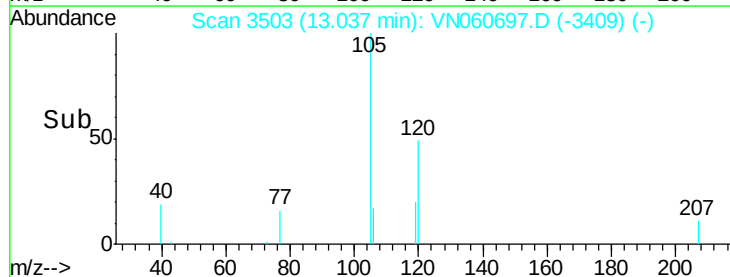
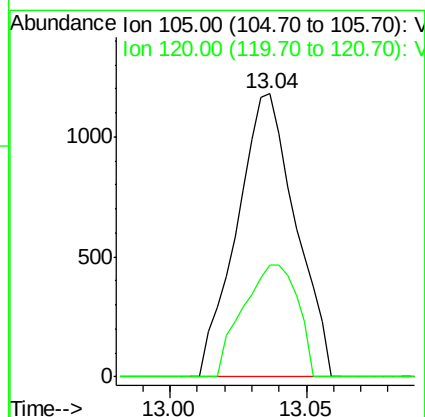
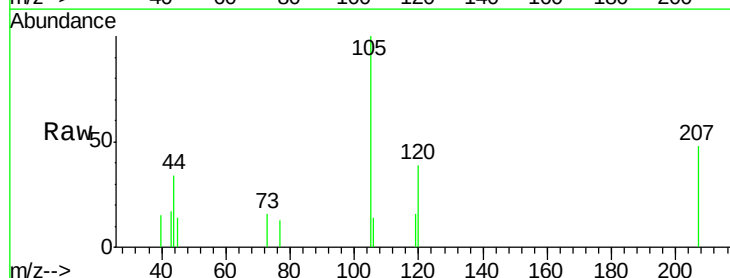
Acq: 25 Mar 2020 15:14

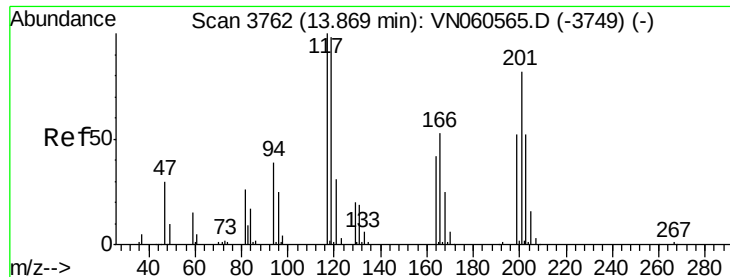
Tgt Ion: 105 Resp: 1759

Ion Ratio Lower Upper

105 100

120 37.0 22.1 66.5





#90

Hexachloroethane

Concen: 0.378 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

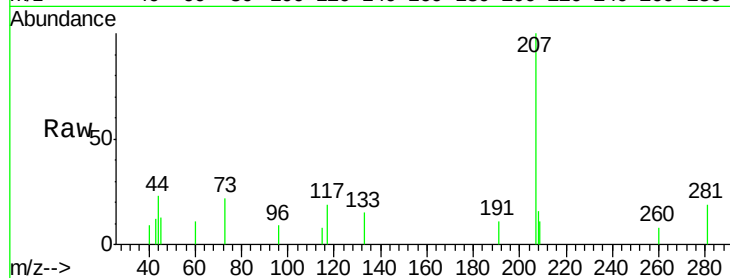
MH-726

Tgt Ion:117 Resp: 453

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.99

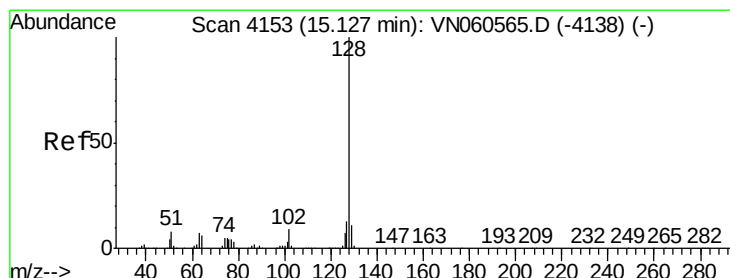
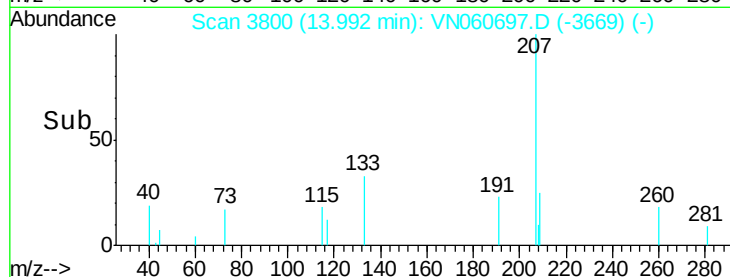
300

200

100

0

Time-->



#95

Naphthalene

Concen: 0.694 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060697.D

Acq: 25 Mar 2020 15:14

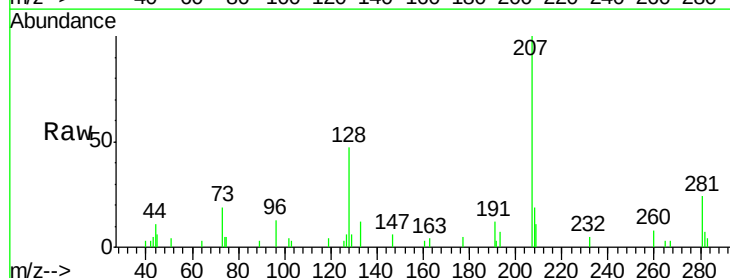
Tgt Ion:128 Resp: 5046

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

129 9.6 8.8 13.2



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

15.13

3000

2000

1000

0

Time-->

