

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060594.D
 Acq On : 18 Mar 2020 16:03
 Operator : JC/MD
 Sample : L1917-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-594

Quant Time: Mar 19 05:00:17 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	201302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137398	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	128823	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	7.57	113	97929	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.08	98	406986	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	149924	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

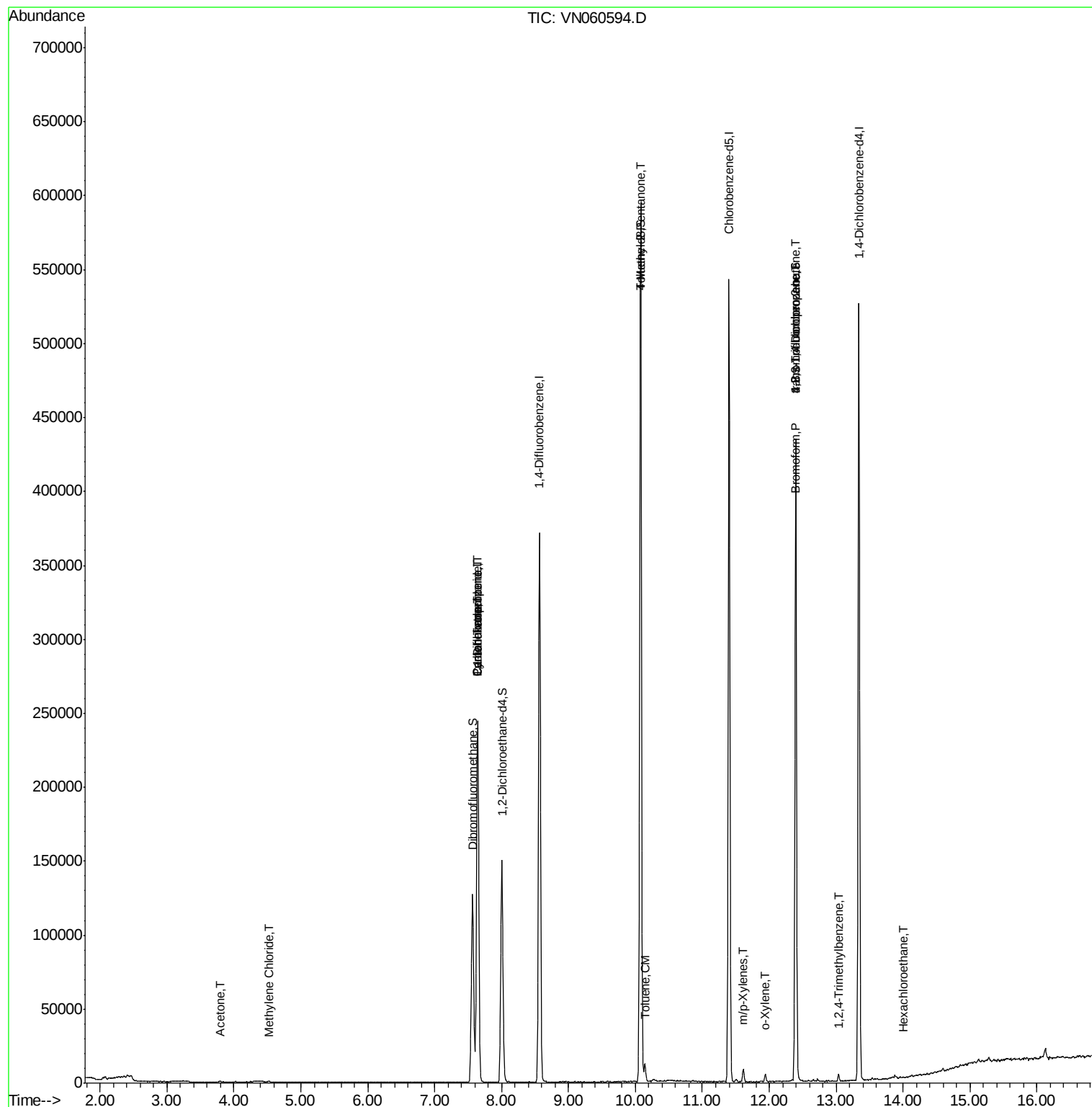
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1615	1.650	ug/l	98
20) Methylene Chloride	4.52	84	527	0.219	ug/l #	20
31) Cyclohexane	7.64	56	4155	0.934	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15499	4.805	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19431	6.721	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1886	0.577	ug/l #	1
52) Toluene	10.14	92	4896	0.832	ug/l	92
68) m/p-Xylenes	11.62	106	2836	0.675	ug/l	97
69) o-Xylene	11.94	106	1689	0.421	ug/l	90
71) Bromoform	12.38	173	38	1.701	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	75684	25.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75684	65.563	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	3374	0.390	ug/l	91
90) Hexachloroethane	13.99	117	257	0.202	ug/l #	8

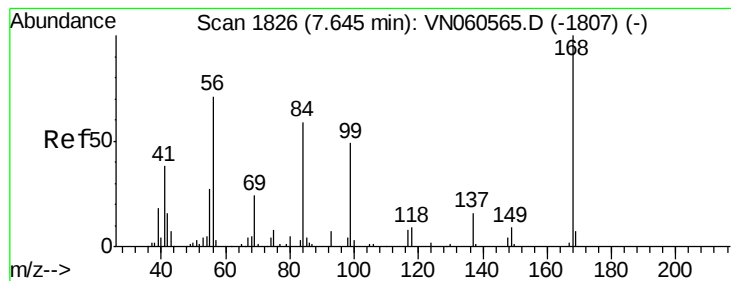
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060594.D
Acq On : 18 Mar 2020 16:03
Operator : JC/MD
Sample : L1917-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CBH-594

Quant Time: Mar 19 05:00:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

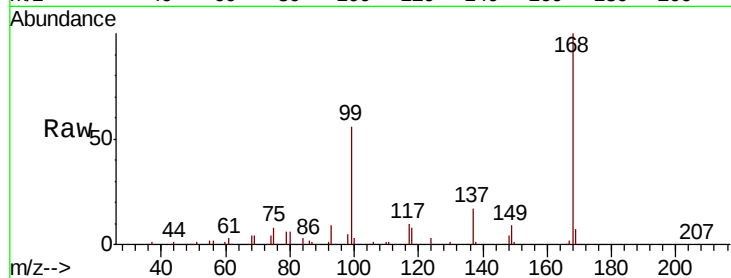
CBH-594

Tot Ion:168 Resp: 201302

Ion Ratio Lower Upper

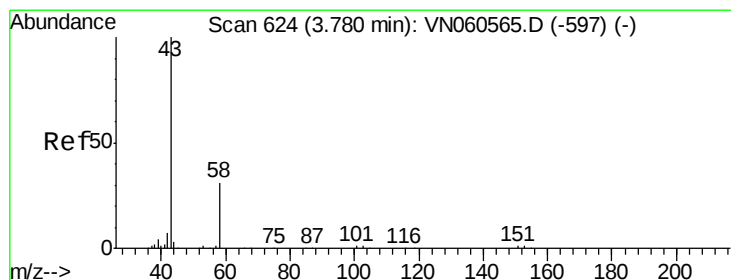
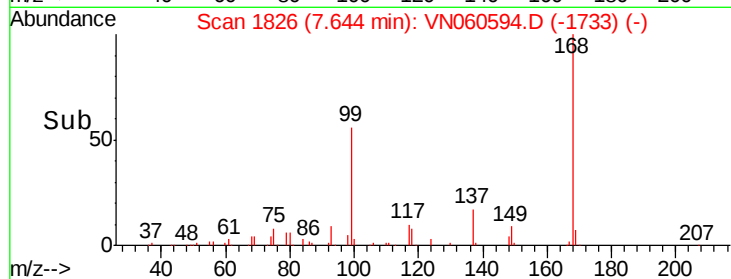
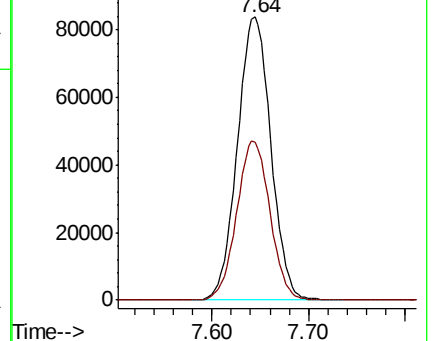
168 100

99 55.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.650 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060594.D

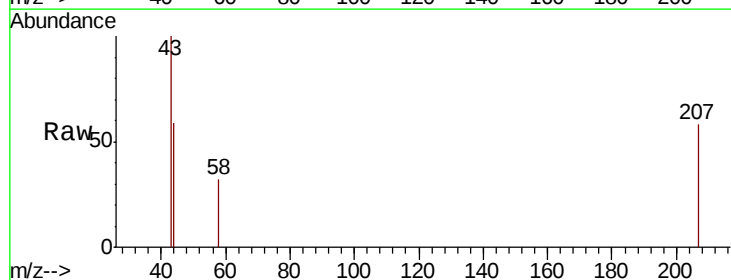
Acq: 18 Mar 2020 16:03

Tgt Ion: 43 Resp: 1615

Ion Ratio Lower Upper

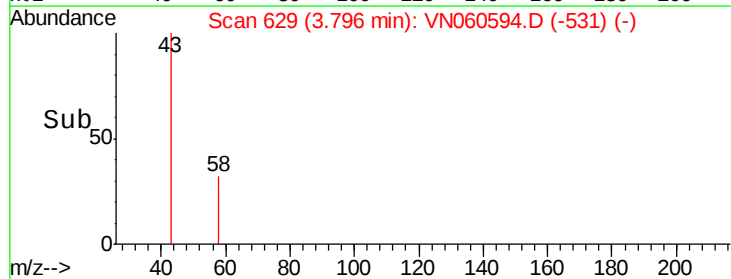
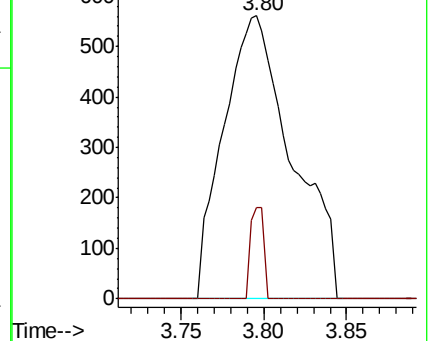
43 100

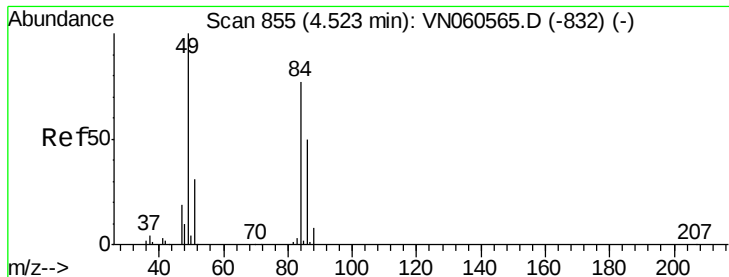
58 32.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

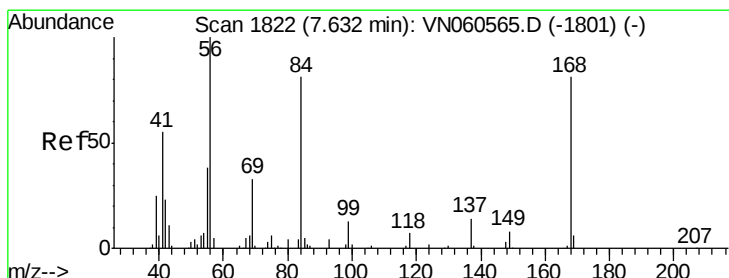
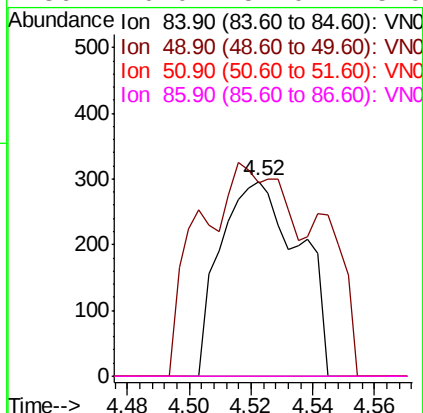
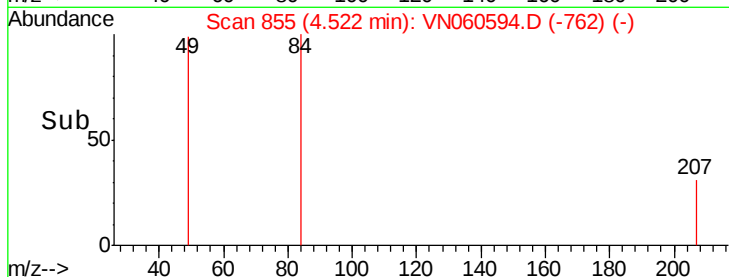
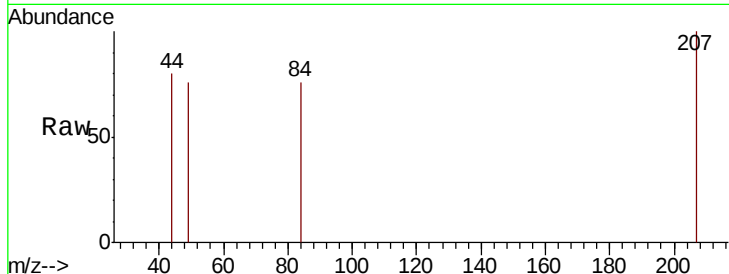




#20
Methvlene Chloride
Concen: 0.219 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

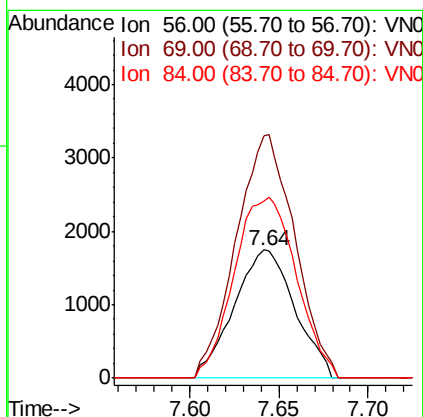
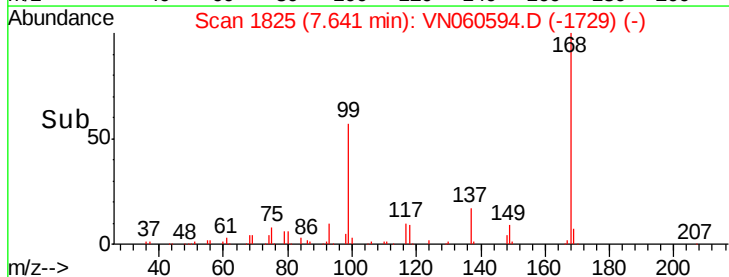
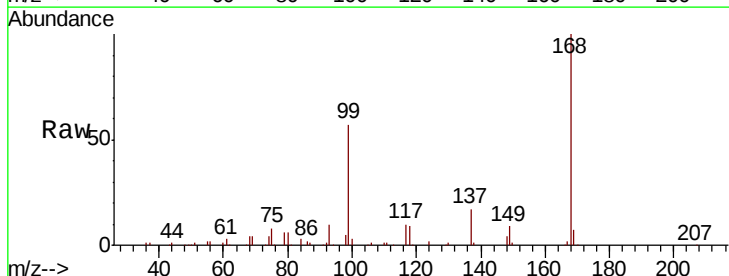
Instrument :
MSVOA_N
ClientSampleId :
CBH-594

Tot Ion: 84 Resp: 527
Ion Ratio Lower Upper
84 100
49 31.8 103.3 154.9#
51 0.0 31.6 47.4#
86 0.0 52.0 78.0#



#31
Cyclohexane
Concen: 0.934 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 189.7 26.6 40.0#
84 138.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.617 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

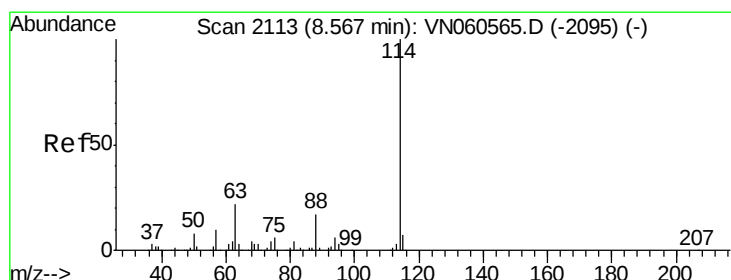
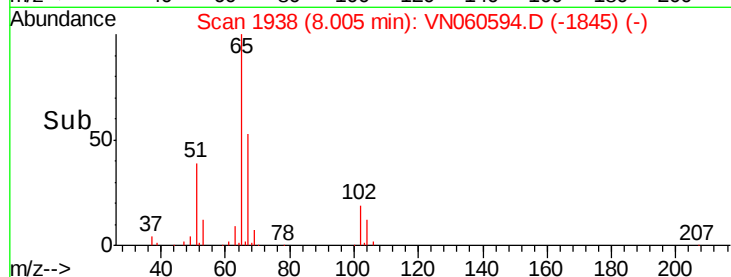
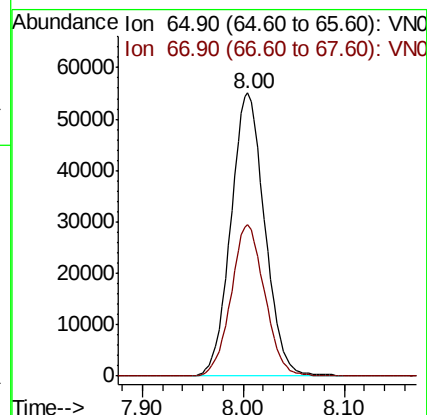
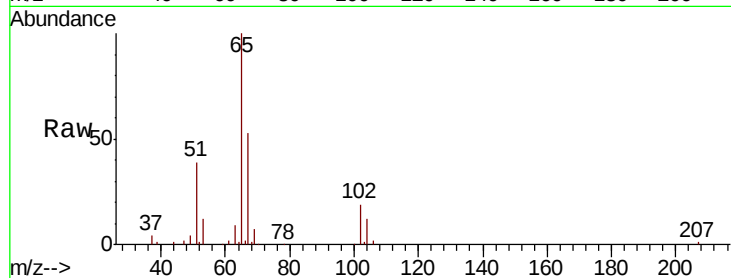
CBH-594

Tot Ion: 65 Resp: 128823

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

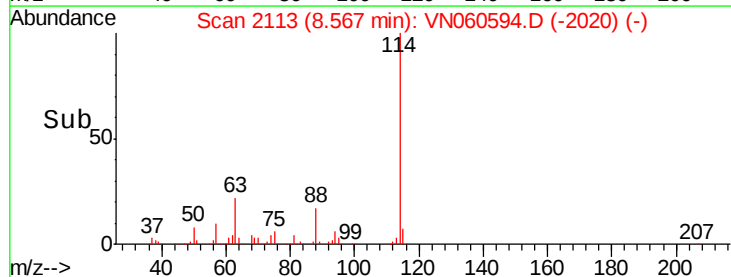
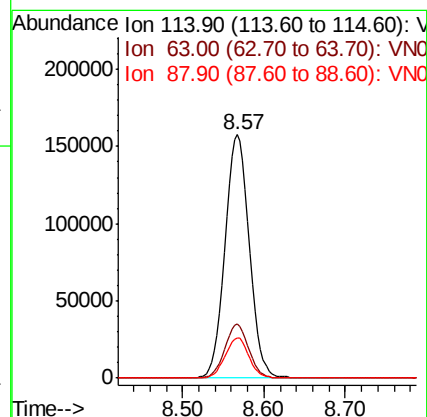
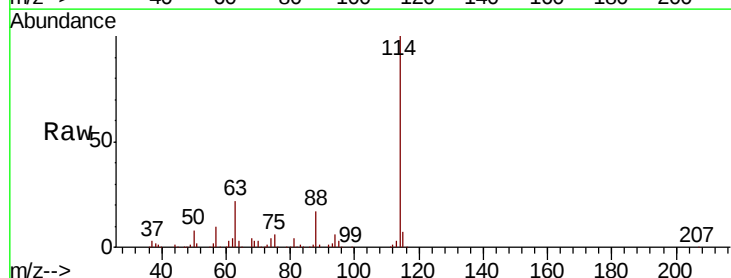
Tgt Ion: 114 Resp: 333147

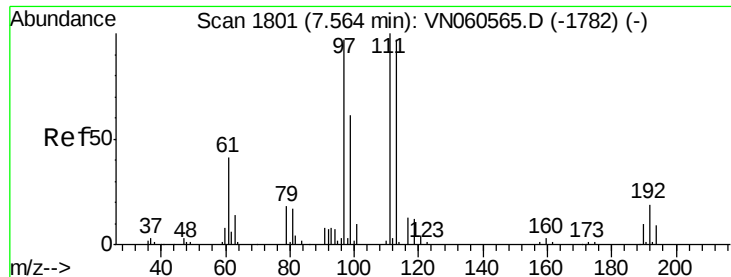
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.6 0.0 33.0

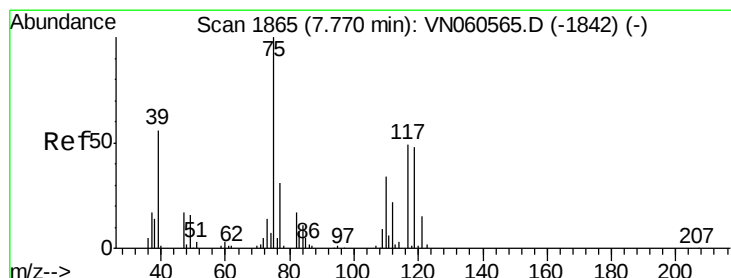
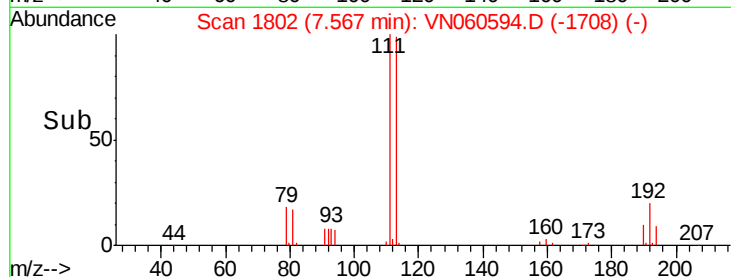
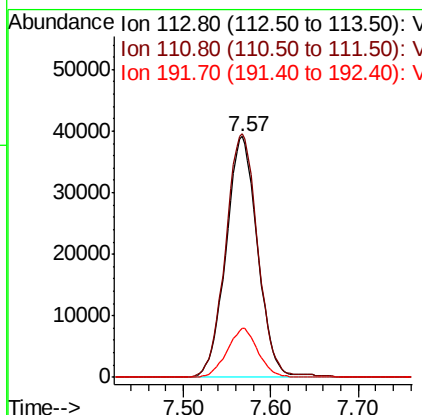
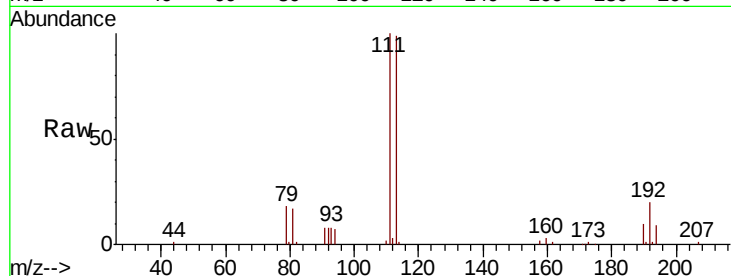




#35
Dibromofluoromethane
Concen: 48.614 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

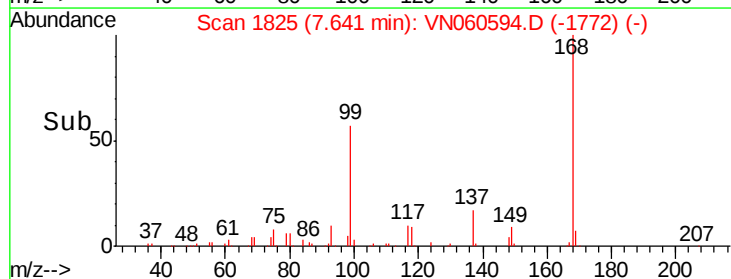
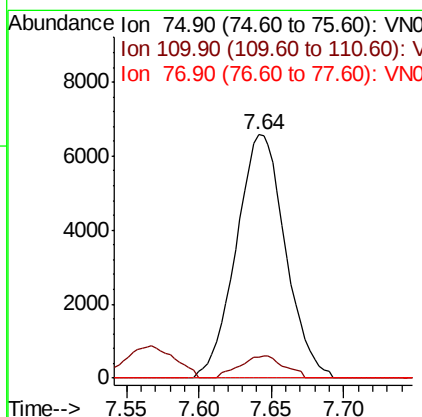
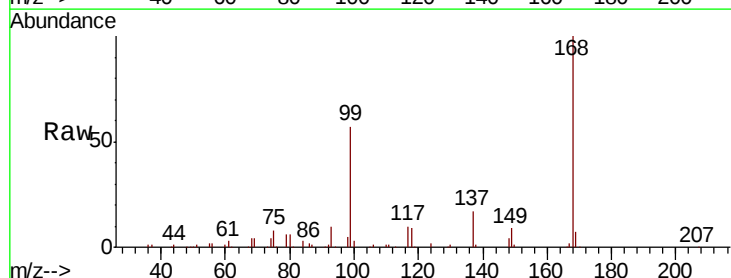
Instrument :
MSVOA_N
ClientSampled :
CBH-594

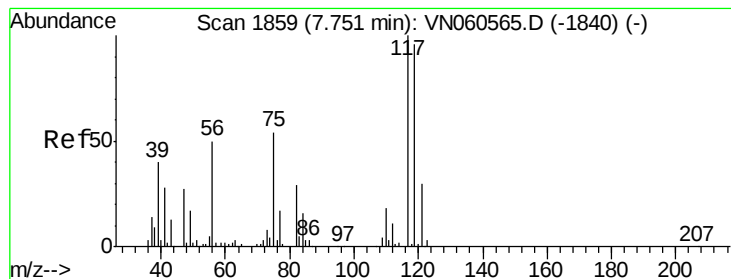
Tot Ion:113 Resp: 97929
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

Tgt Ion: 75 Resp: 15499
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.721 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

CBH-594

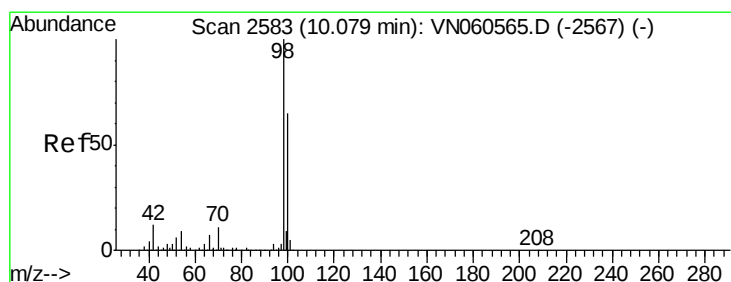
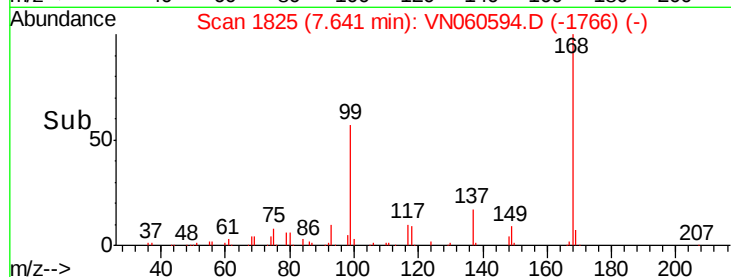
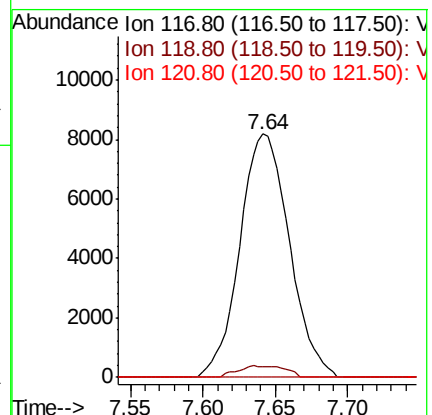
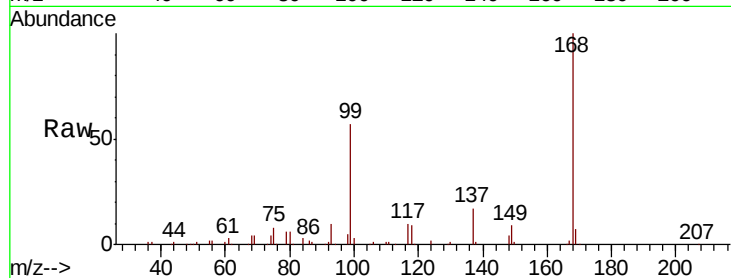
Tot Ion:117 Resp: 19431

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

121 0.0 23.7 35.5#



#50

Toluene-d8

Concen: 49.462 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060594.D

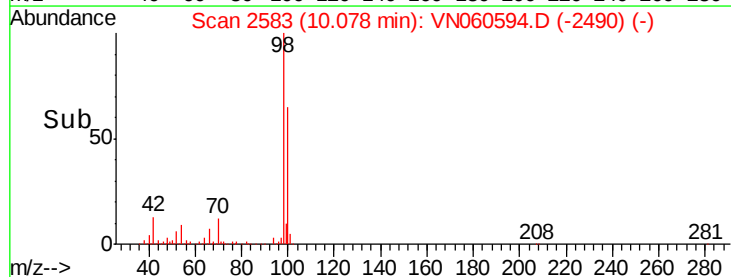
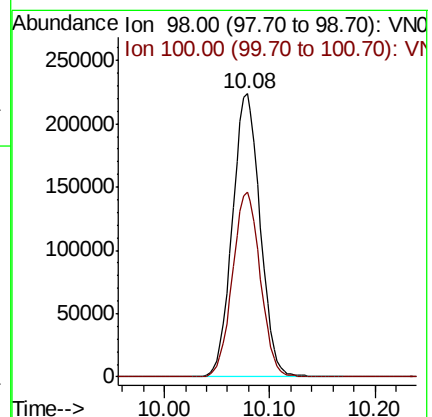
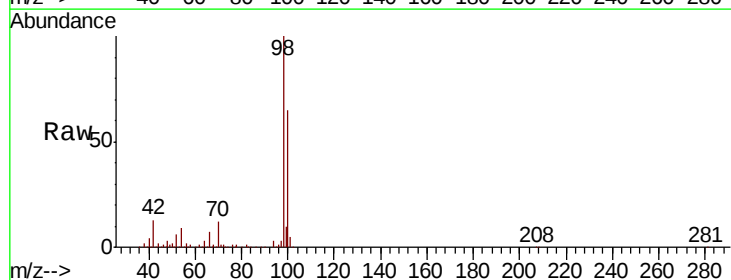
Acq: 18 Mar 2020 16:03

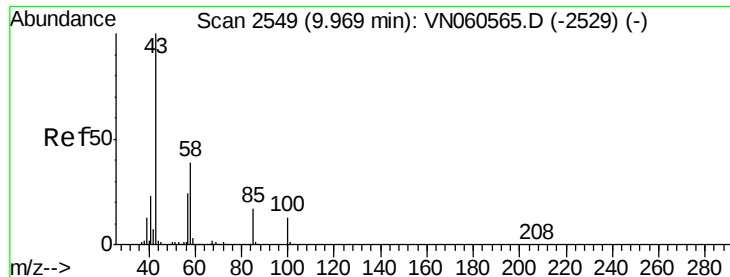
Tgt Ion: 98 Resp: 406986

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

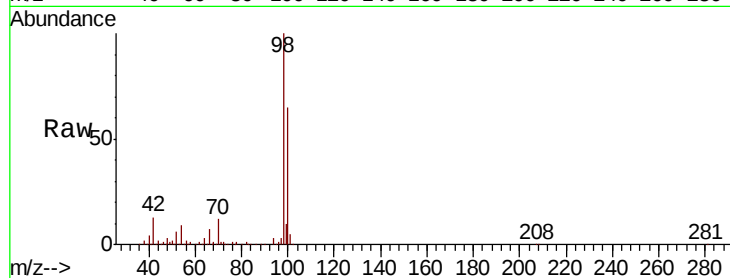
CBH-594

Tot Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

58 188.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

2500

2000

1500

1000

500

0

10.05

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

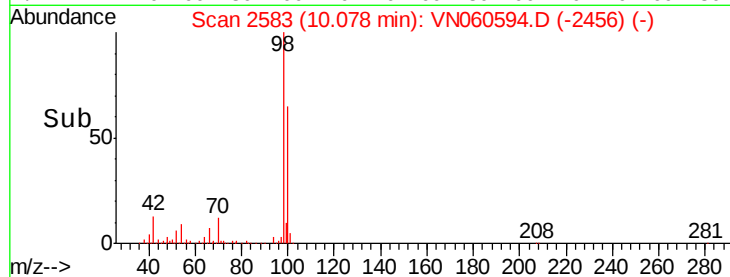
13.00

13.05

13.10

13.15

13.20



#52

Toluene

Concen: 0.832 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060594.D

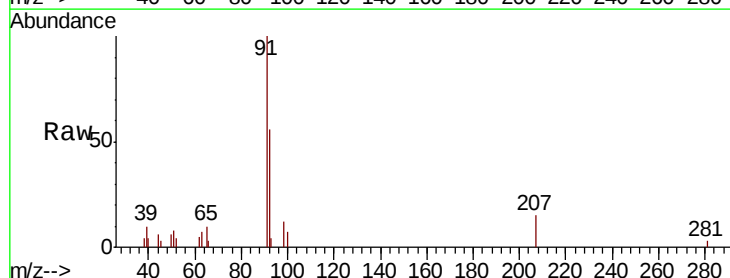
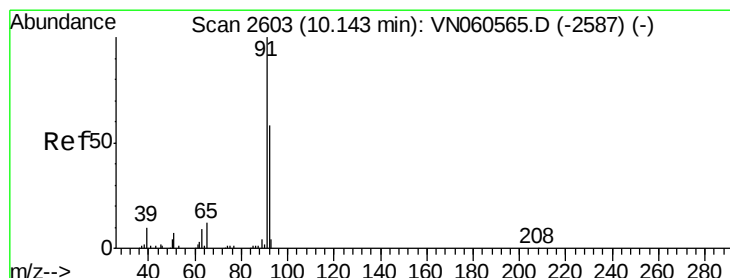
Acq: 18 Mar 2020 16:03

Tgt Ion: 92 Resp: 4896

Ion Ratio Lower Upper

92 100

91 182.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

6000

5000

4000

3000

2000

1000

0

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

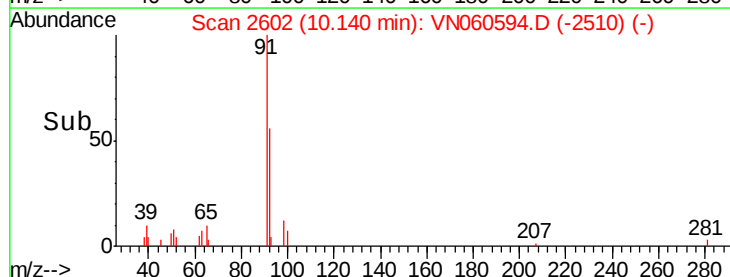
11.20

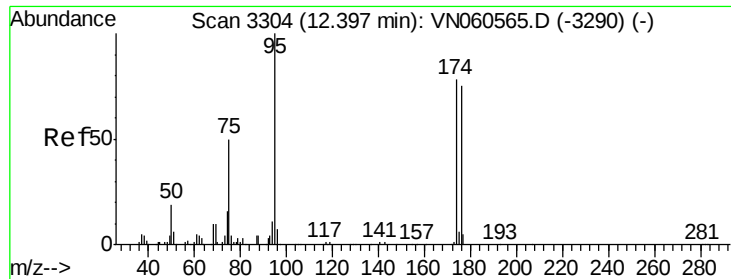
11.25

11.30

11.35

11.40





#62

4-Bromofluorobenzene

Concen: 49.718 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

CBH-594

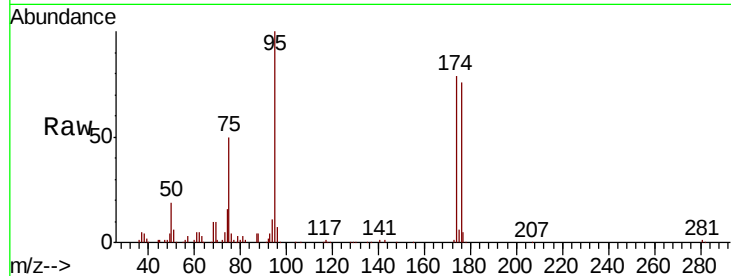
Tot Ion: 95 Resp: 149924

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.6

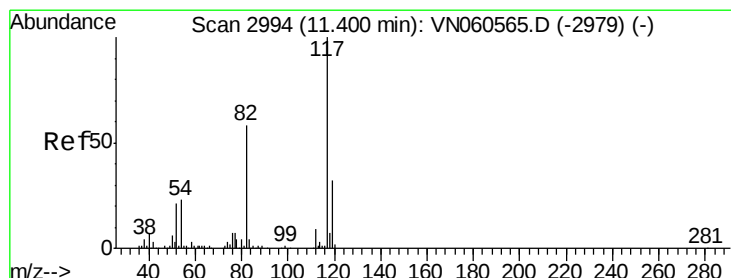
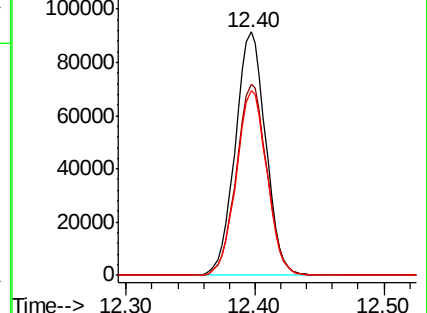
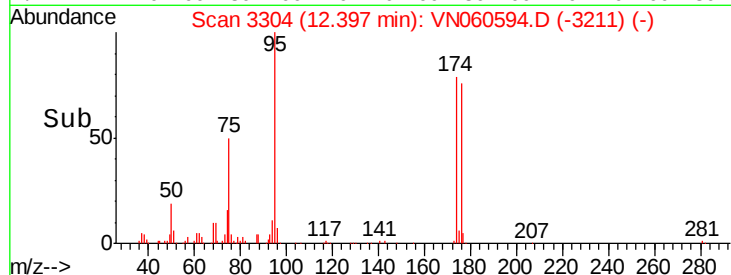
176 76.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060594.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060594.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060594.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

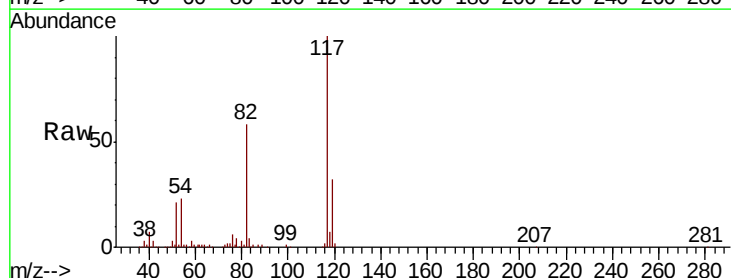
Tgt Ion: 117 Resp: 306840

Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

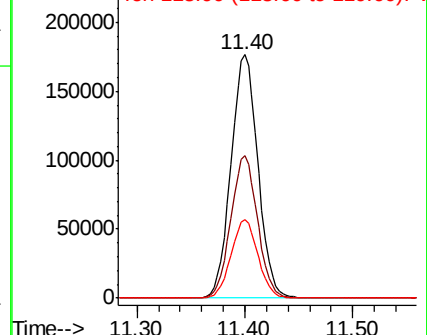
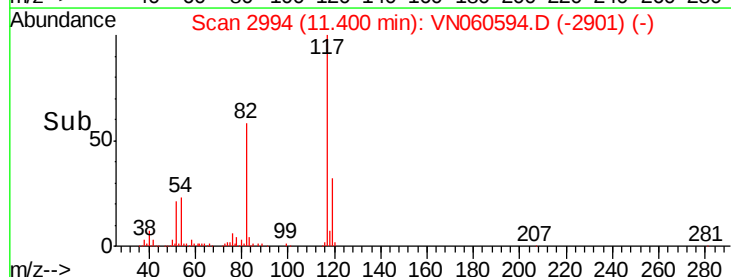
119 32.4 25.5 38.3

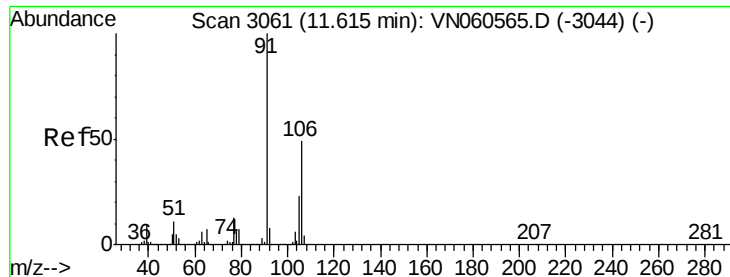


Abundance Ion 116.90 (116.60 to 117.60): VN060594.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060594.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060594.D (-2901) (-)

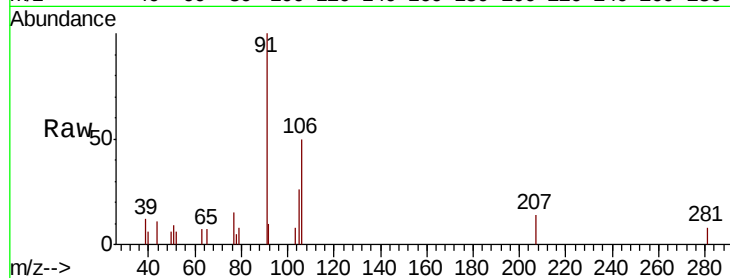




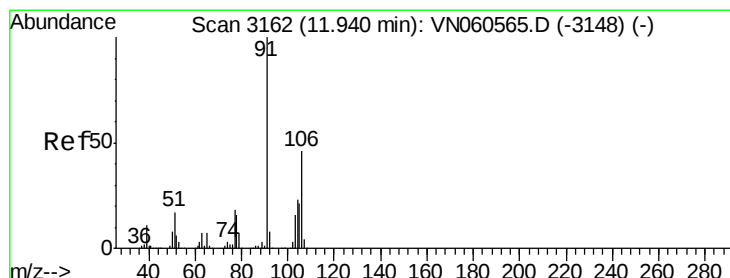
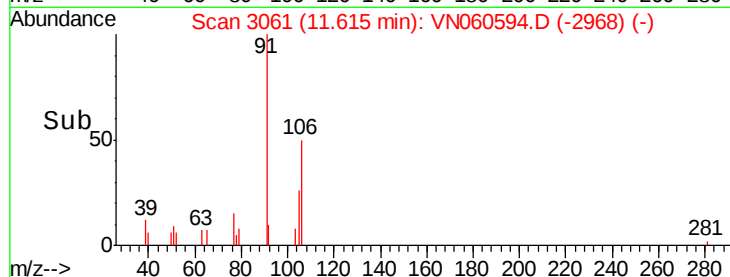
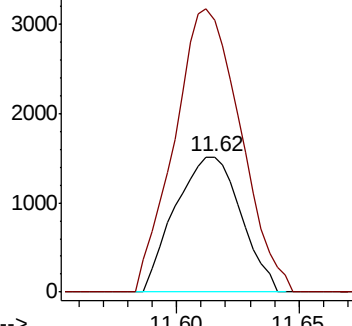
#68
m/p-Xylenes
Concen: 0.675 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

Instrument :
MSVOA_N
ClientSampled :
CBH-594

Tot Ion:106 Resp: 2836
Ion Ratio Lower Upper
106 100
91 210.2 165.0 247.4

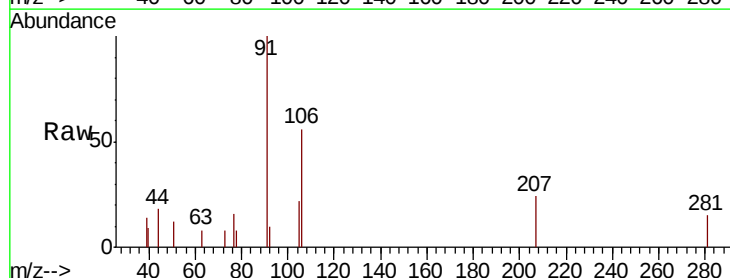


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

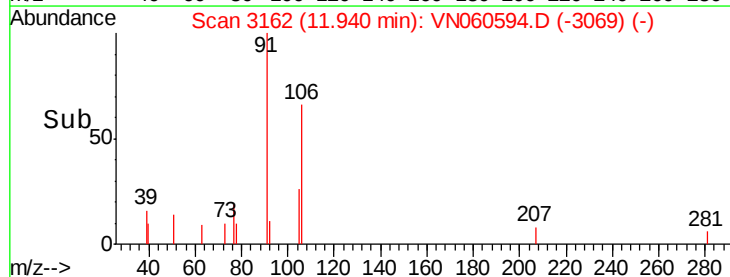
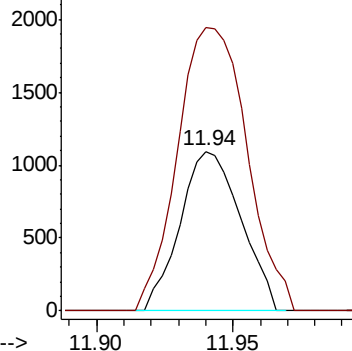


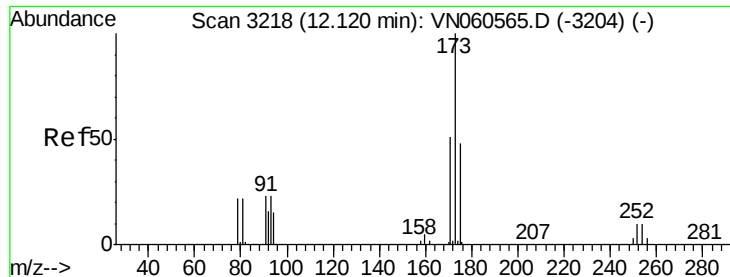
#69
o-Xylene
Concen: 0.421 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060594.D
Acq: 18 Mar 2020 16:03

Tgt Ion:106 Resp: 1689
Ion Ratio Lower Upper
106 100
91 203.5 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 1.701 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.26 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampled :

CBH-594

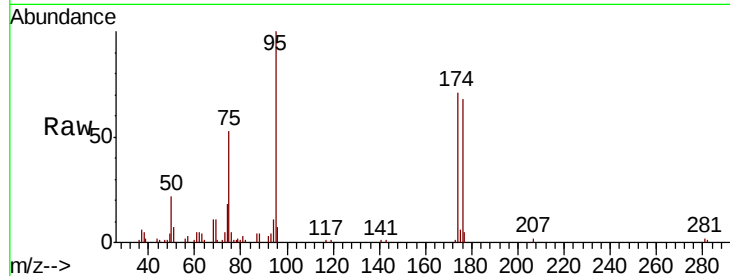
Tot Ion:173 Resp: 38

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

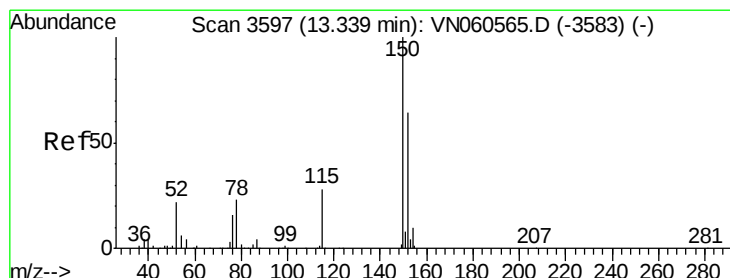
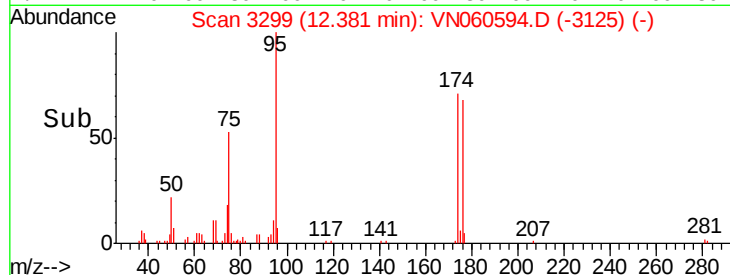
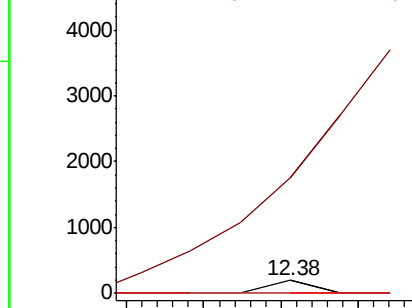
254 0.0 0.0 0.0



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: VN060594.D

Acq: 18 Mar 2020 16:03

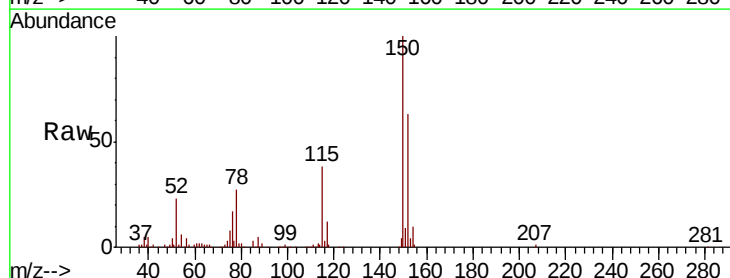
Tgt Ion:152 Resp: 137398

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

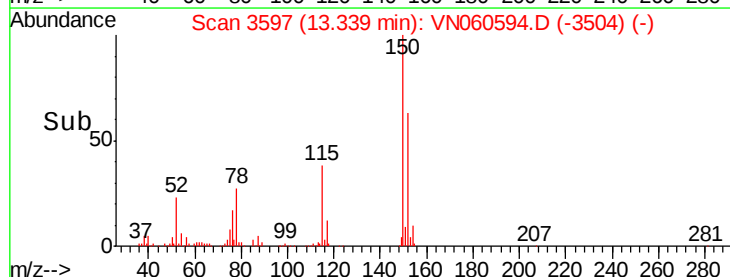
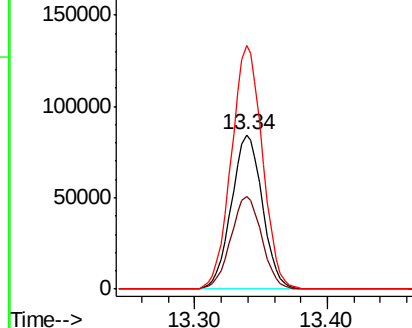
150 157.8 0.0 350.2

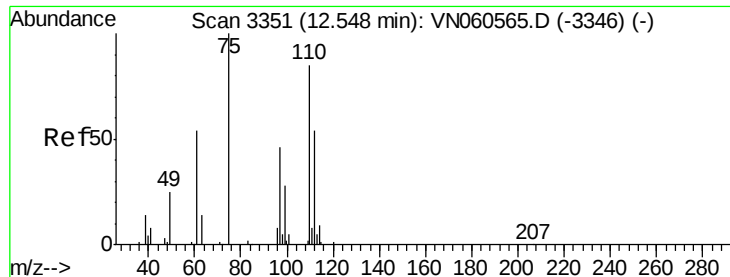


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

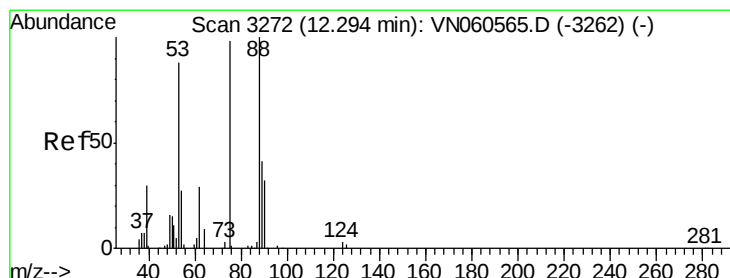
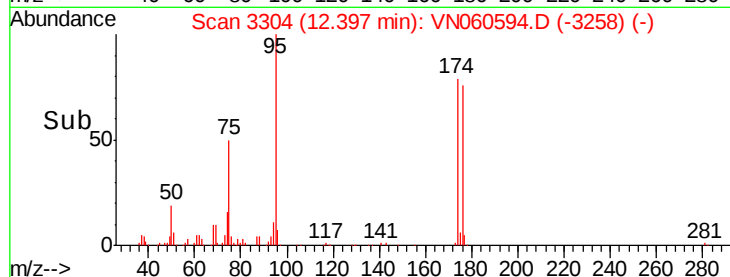
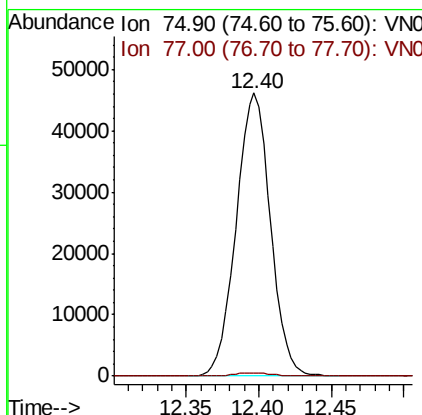
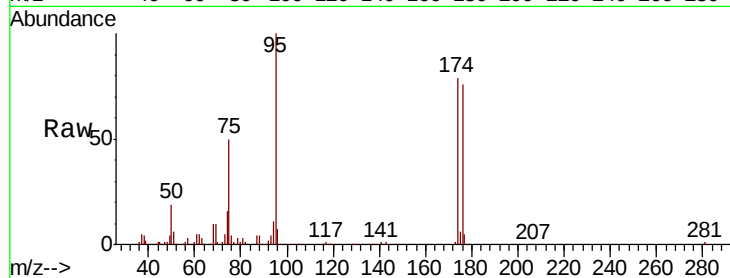




#76
 1,2,3-Trichloropropane
 Concen: 25.528 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060594.D
 Acq: 18 Mar 2020 16:03

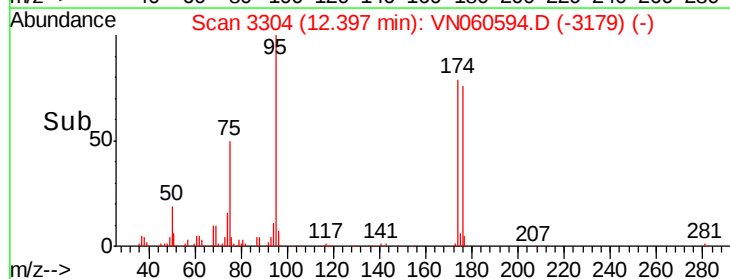
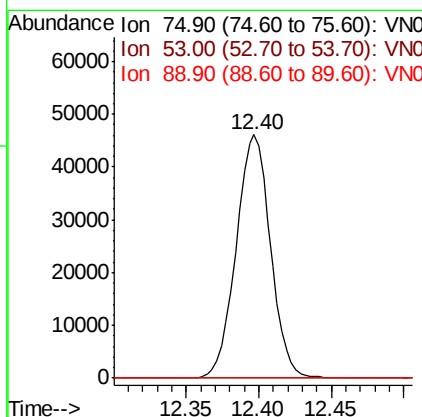
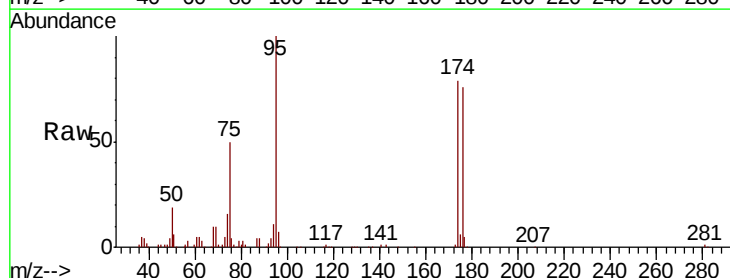
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-594

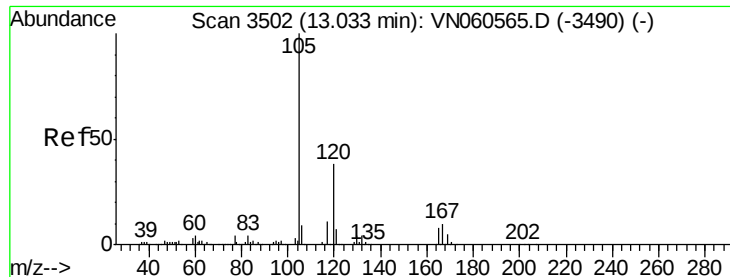
Tot Ion: 75 Resp: 75684
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.563 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060594.D
 Acq: 18 Mar 2020 16:03

Tgt Ion: 75 Resp: 75684
 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: 0.390 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060594.D

Acq: 18 Mar 2020 16:03

Instrument :

MSVOA_N

ClientSampled :

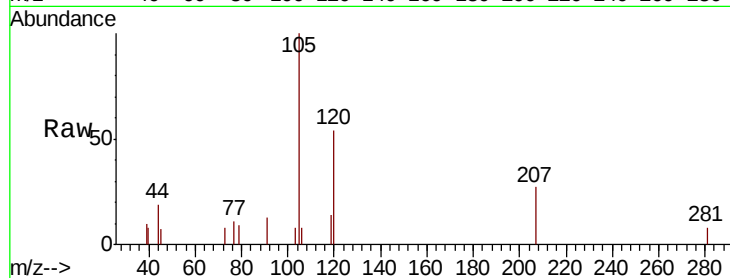
CBH-594

Tot Ion:105 Resp: 3374

Ion Ratio Lower Upper

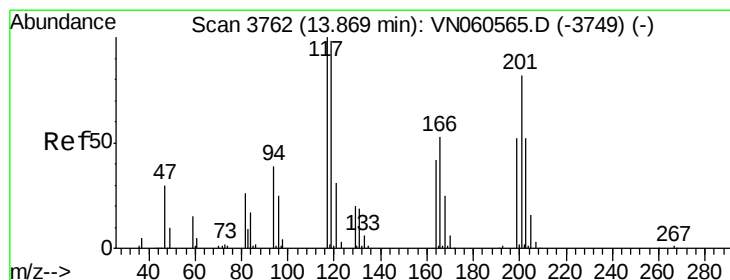
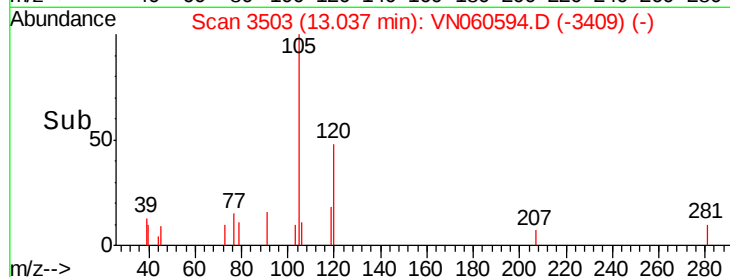
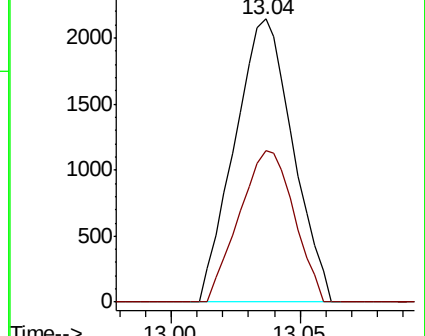
105 100

120 50.4 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.202 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN060594.D

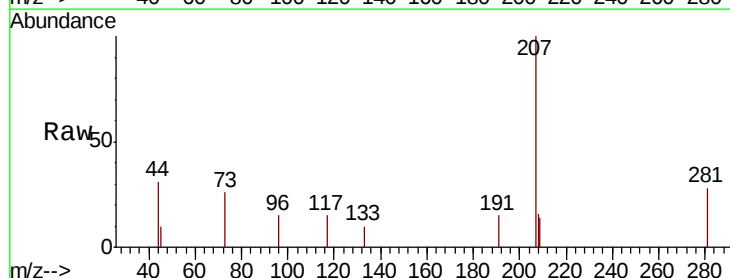
Acq: 18 Mar 2020 16:03

Tgt Ion:117 Resp: 257

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

