

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060411.D
 Acq On : 10 Mar 2020 13:07
 Operator : JC/MD
 Sample : L1857-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Mar 11 06:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	315646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132462	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	122728	49.67	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.57	113	93241	63.64	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	385692	52.01	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	141307	50.27	ug/l	0.00
Spiked Amount						

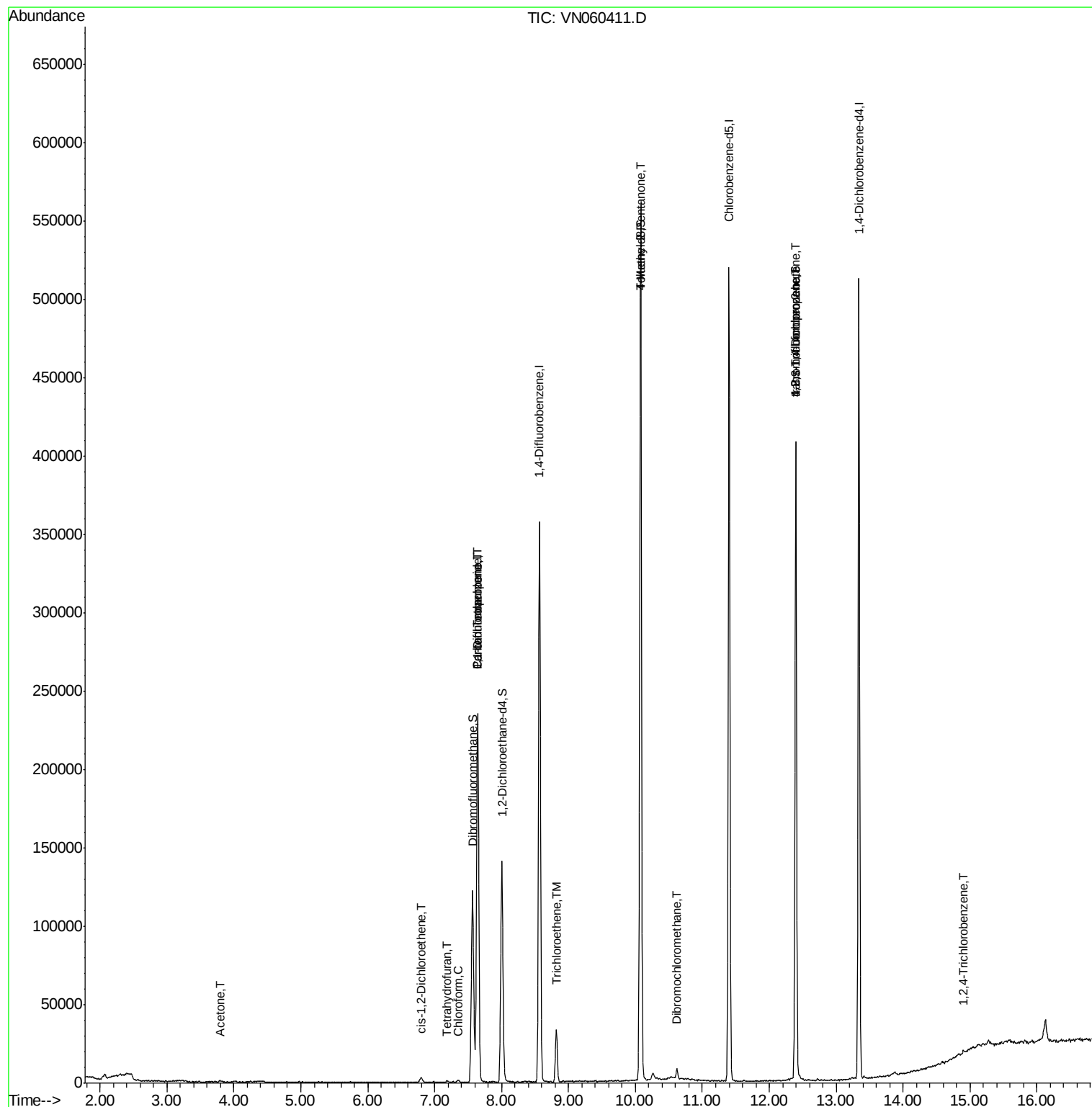
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1113	1.395	ug/l	100
17) Carbon Disulfide	4.04	76	297	Below Cal	#	75
27) cis-1,2-Dichloroethene	6.81	96	1848	0.727	ug/l	85
29) Tetrahydrofuran	7.19	42	463	0.517	ug/l #	33
30) Chloroform	7.34	83	984	0.253	ug/l	94
31) Cyclohexane	7.64	56	4201	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14800	4.920	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18828	6.428	ug/l #	15
44) Trichloroethene	8.82	130	12685	5.202	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	1689	0.597	ug/l #	1
60) Dibromochloromethane	10.62	129	1423	0.633	ug/l #	10
64) Tetrachloroethene	10.62	164	1625	Below Cal		92
76) 1,2,3-Trichloropropane	12.40	75	72761	25.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72761	69.112	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	189	Below Cal	#	49
88) 1,4-Dichlorobenzene	13.36	146	409	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	444	0.254	ug/l	97
95) Naphthalene	15.13	128	1649	Below Cal	#	75
96) 1,2,3-Trichlorobenzene	15.31	180	439	Below Cal		80

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
Data File : VN060411.D
Acq On : 10 Mar 2020 13:07
Operator : JC/MD
Sample : L1857-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Mar 11 06:40:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 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: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampled :

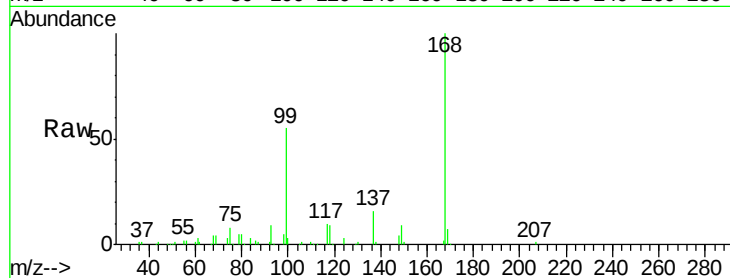
MW-1

Tgt Ion:168 Resp: 192602

Ion Ratio Lower Upper

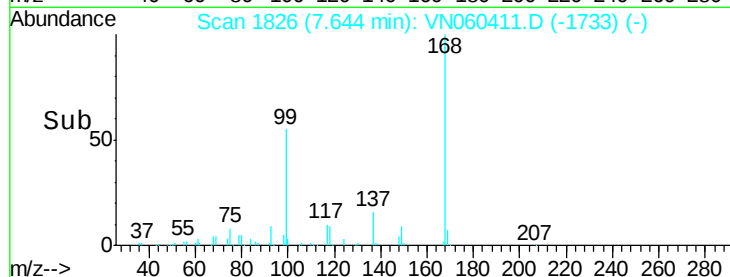
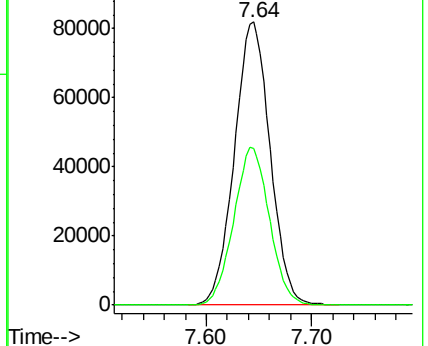
168 100

99 55.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 1.395 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060411.D

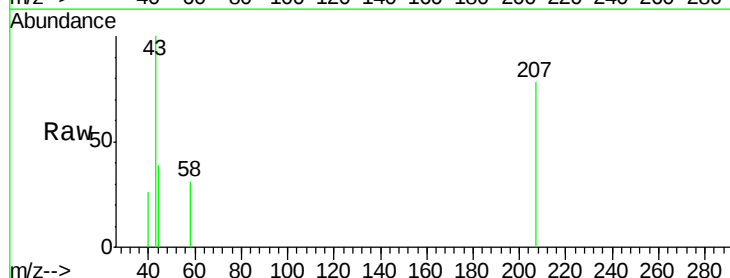
Acq: 10 Mar 2020 13:07

Tgt Ion: 43 Resp: 1113

Ion Ratio Lower Upper

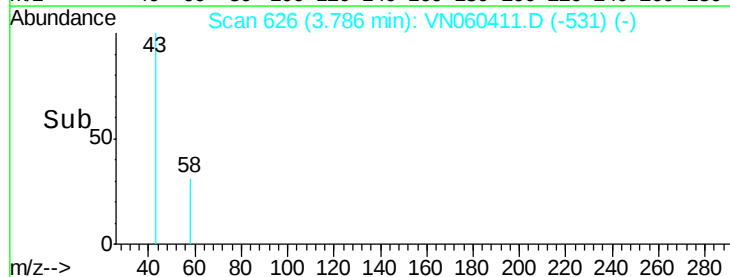
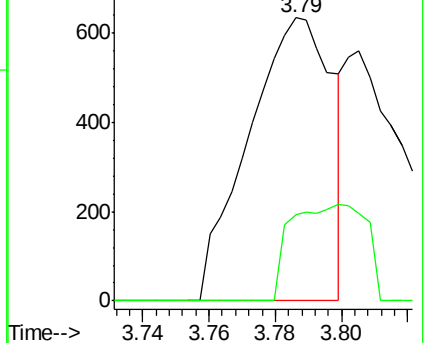
43 100

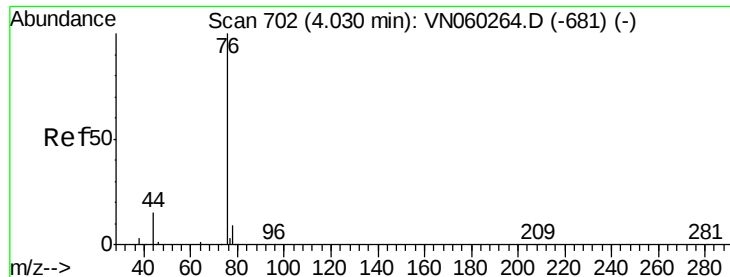
58 30.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampled :

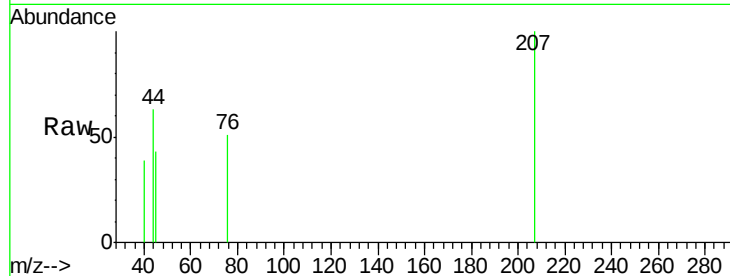
MW-1

Tgt Ion: 76 Resp: 297

Ion Ratio Lower Upper

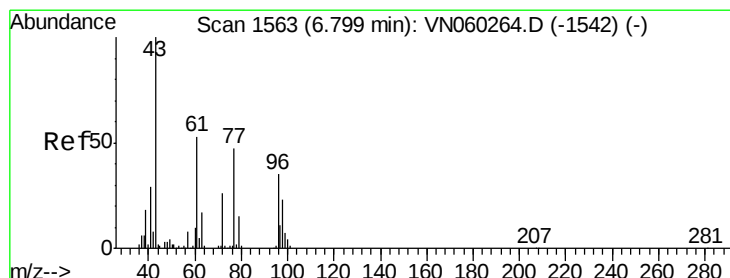
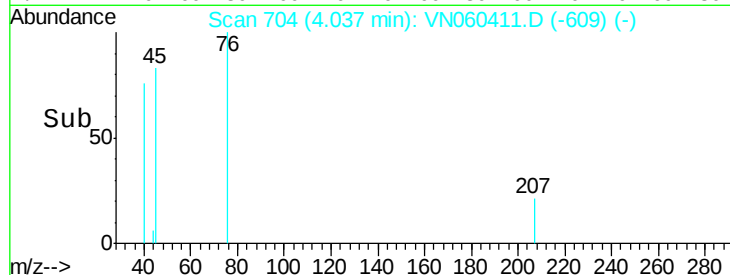
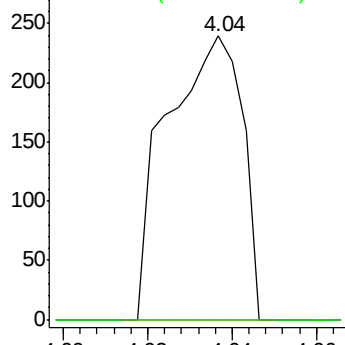
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#27

cis-1,2-Dichloroethene

Concen: 0.727 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

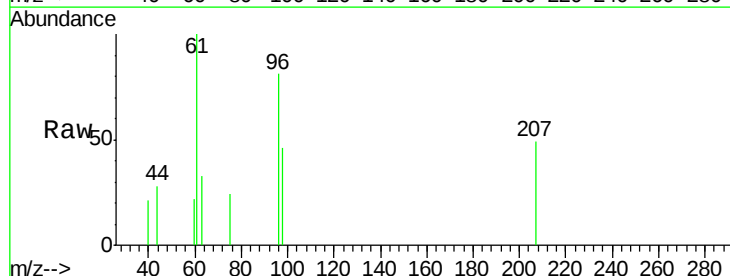
Tgt Ion: 96 Resp: 1848

Ion Ratio Lower Upper

96 100

61 129.2 0.0 300.8

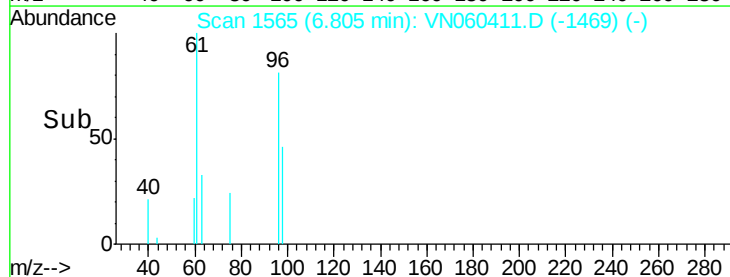
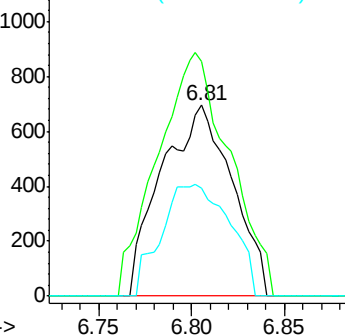
98 56.5 0.0 128.2

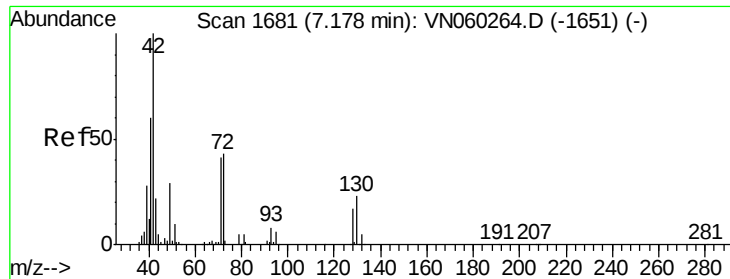


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#29

Tetrahydrofuran

Concen: 0.517 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampled :

MW-1

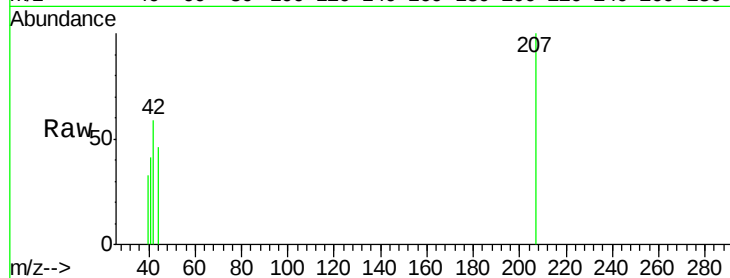
Tgt Ion: 42 Resp: 463

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

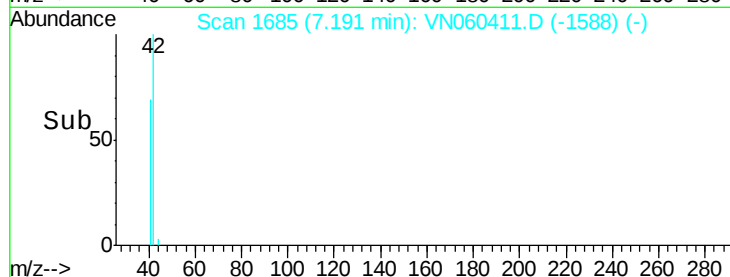
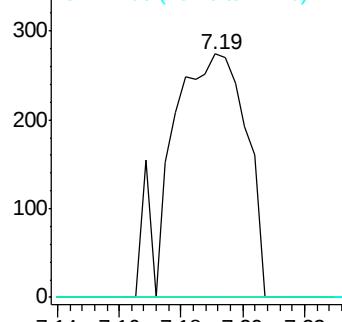
71 0.0 32.9 49.3#



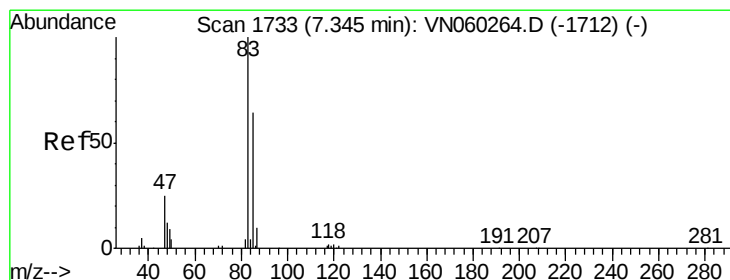
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#30

Chloroform

Concen: 0.253 ug/l

RT: 7.34 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VN060411.D

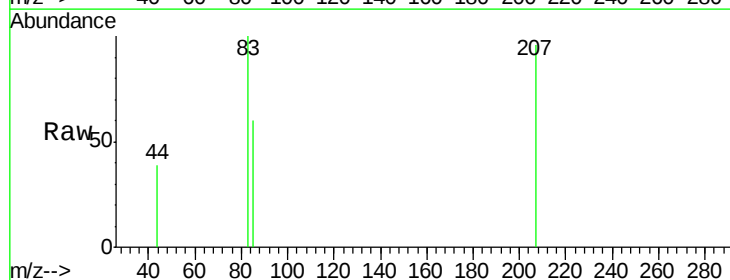
Acq: 10 Mar 2020 13:07

Tgt Ion: 83 Resp: 984

Ion Ratio Lower Upper

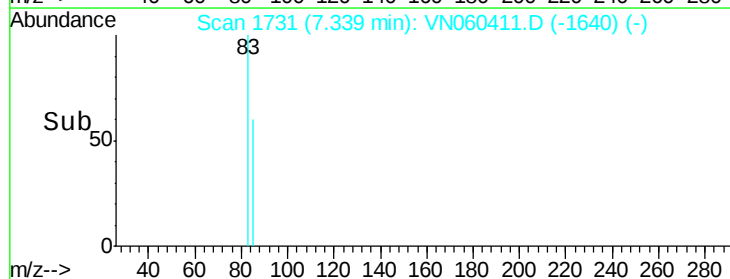
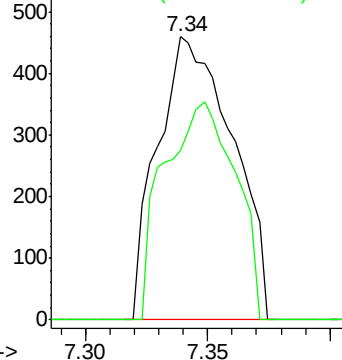
83 100

85 59.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.665 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampleId :

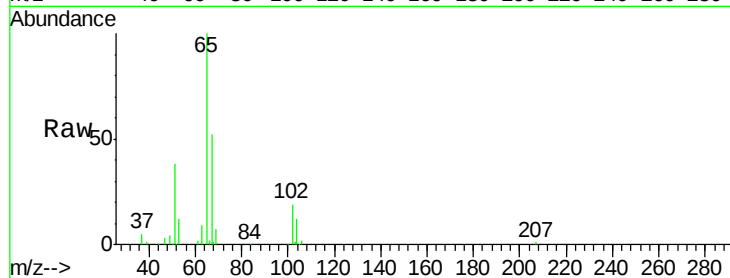
MW-1

Tgt Ion: 65 Resp: 122728

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.8

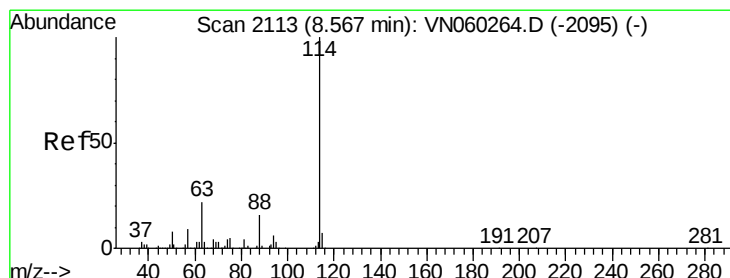
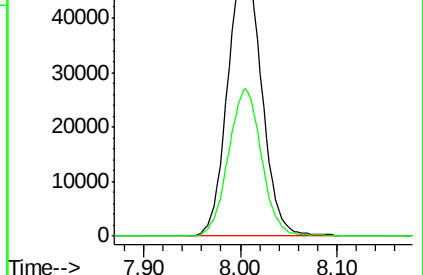
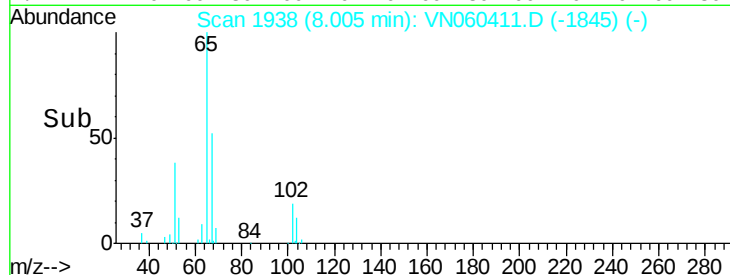


Abundance Ion 64.90 (64.60 to 65.60): VN060411.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060411.D (-1845) (-)

8.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

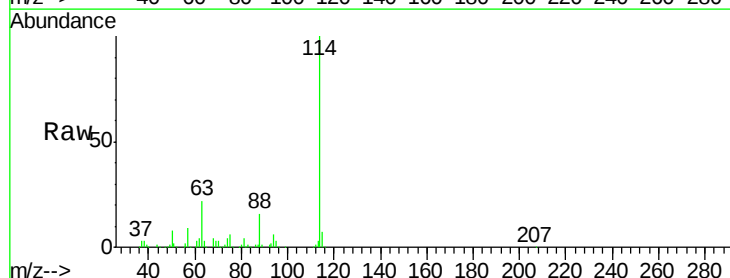
Tgt Ion: 114 Resp: 315646

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 15.8 0.0 31.6



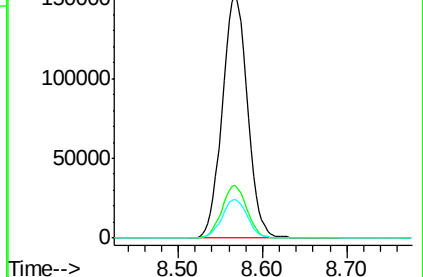
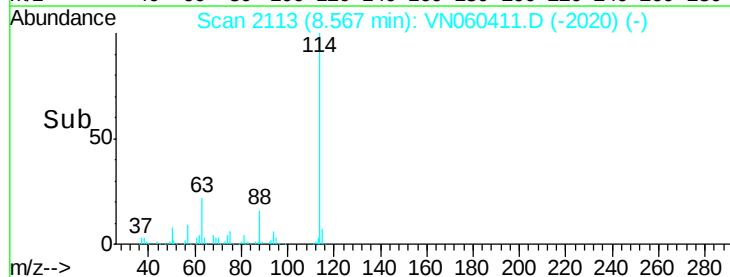
Abundance Ion 113.90 (113.60 to 114.60): VN060411.D (-2020) (-)

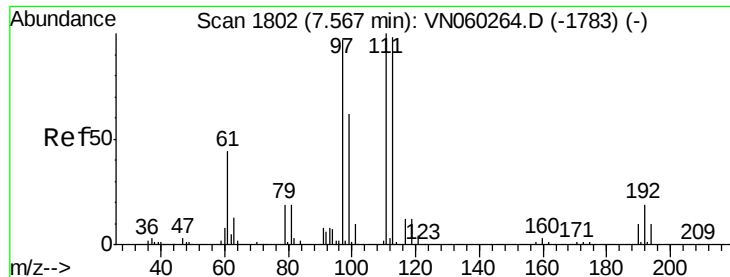
Ion 63.00 (62.70 to 63.70): VN060411.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060411.D (-2020) (-)

8.57

Time-->





#35

Dibromofluoromethane

Concen: 63.640 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampleId :

MW-1

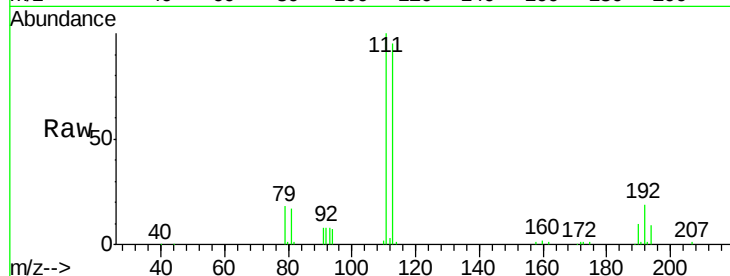
Tgt Ion:113 Resp: 93241

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

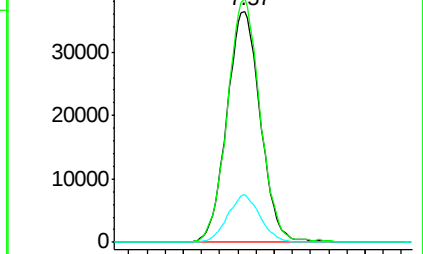
192 19.9 16.2 24.2



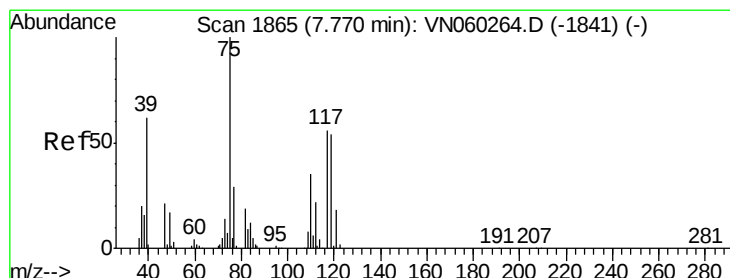
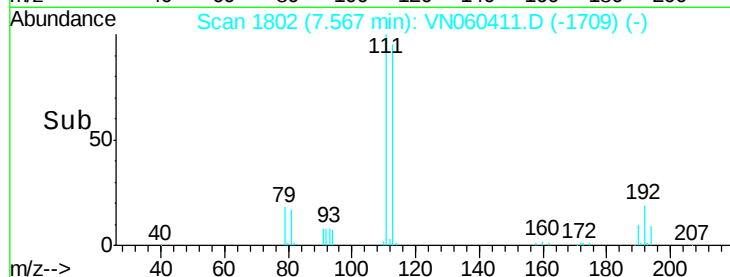
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

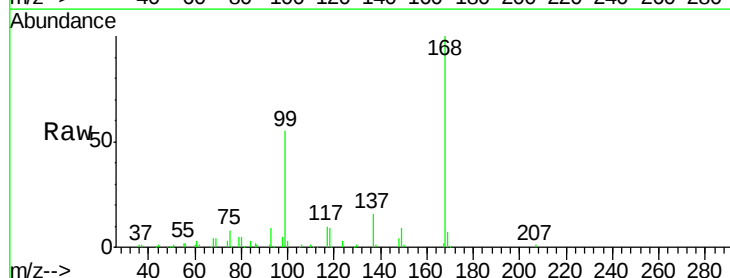
Tgt Ion: 75 Resp: 14800

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

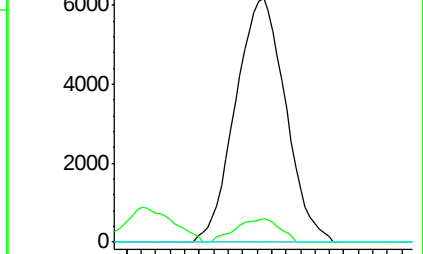
77 0.0 24.2 36.2#



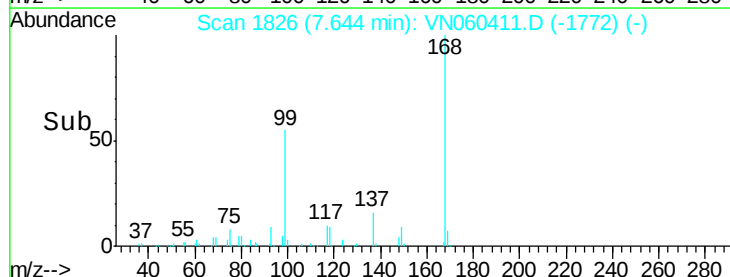
Abundance Ion 74.90 (74.60 to 75.60): V

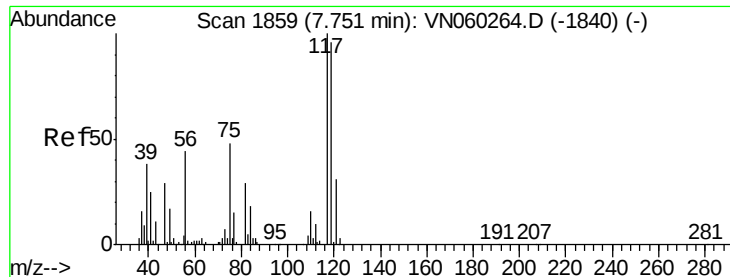
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time-->





#38

Carbon Tetrachloride

Concen: 6.428 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampled :

MW-1

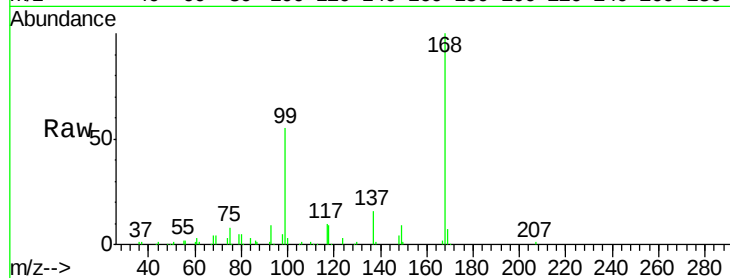
Tgt Ion:117 Resp: 18828

Ion Ratio Lower Upper

117 100

119 4.4 76.7 115.1#

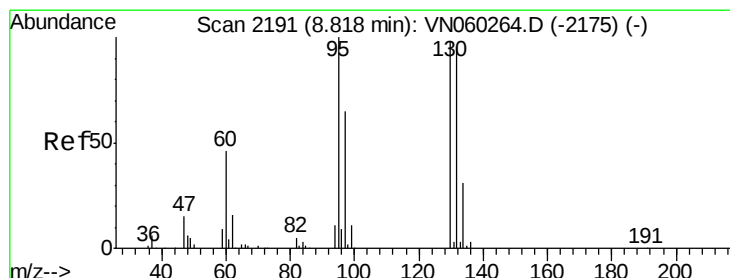
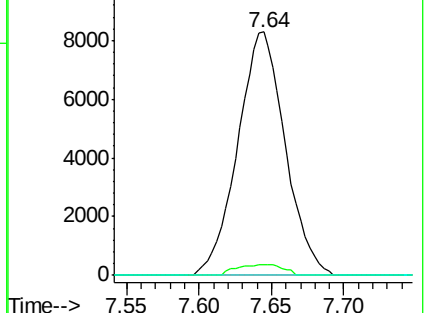
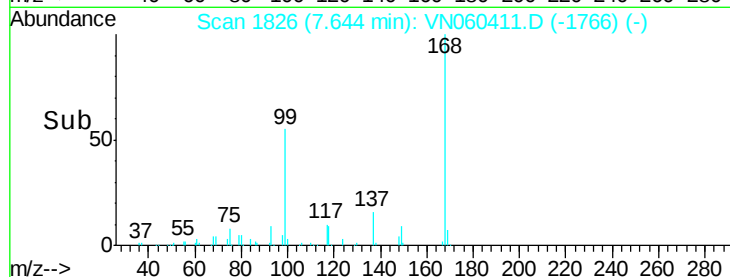
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 5.202 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060411.D

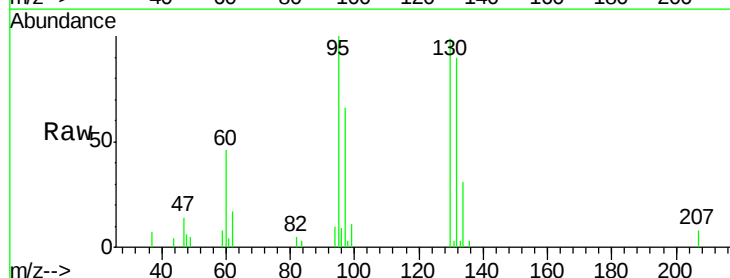
Acq: 10 Mar 2020 13:07

Tgt Ion:130 Resp: 12685

Ion Ratio Lower Upper

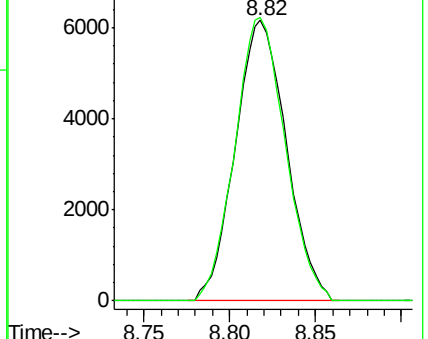
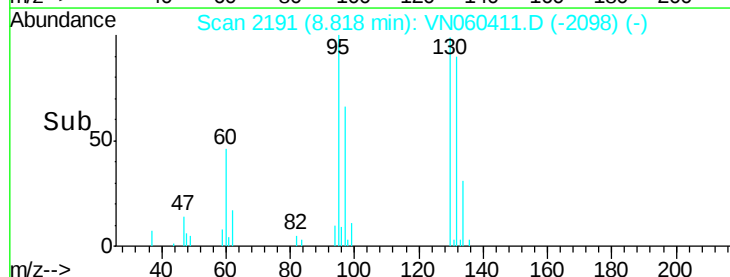
130 100

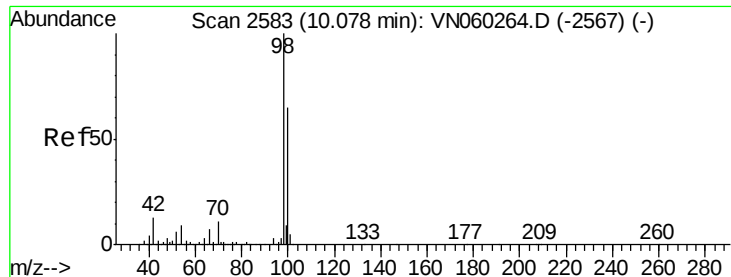
95 101.0 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 52.014 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampleId :

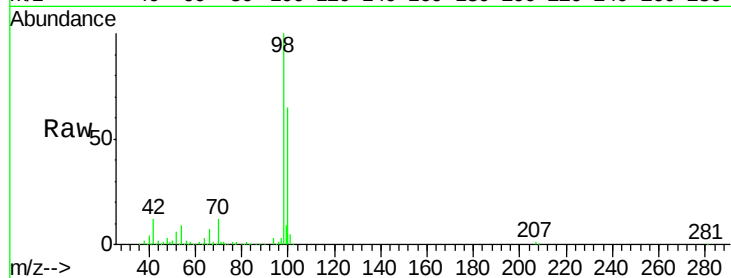
MW-1

Tgt Ion: 98 Resp: 385692

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060411.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060411.D (-2490) (-)

10.08

250000

200000

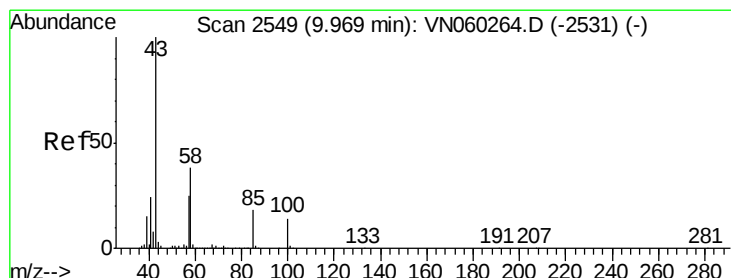
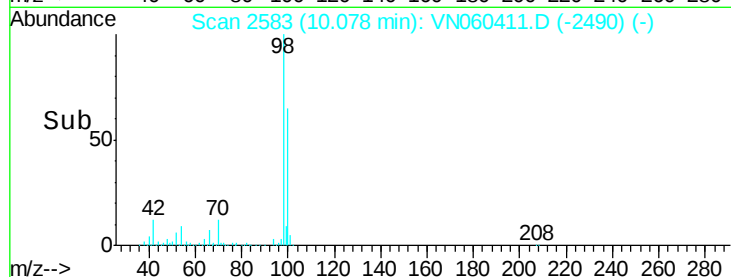
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.597 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060411.D

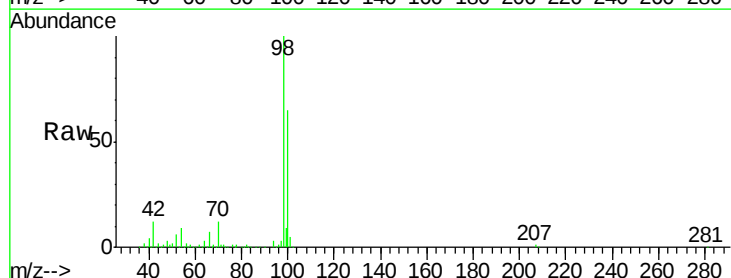
Acq: 10 Mar 2020 13:07

Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

58 194.0 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060411.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060411.D (-2456) (-)

2000

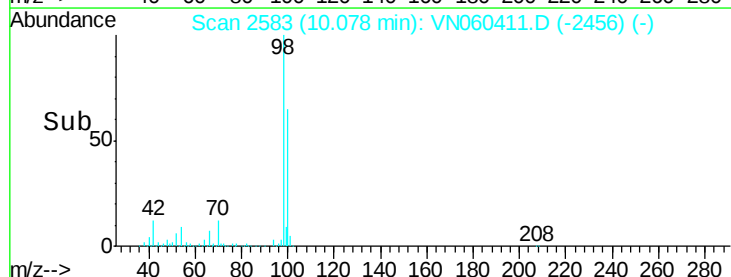
1500

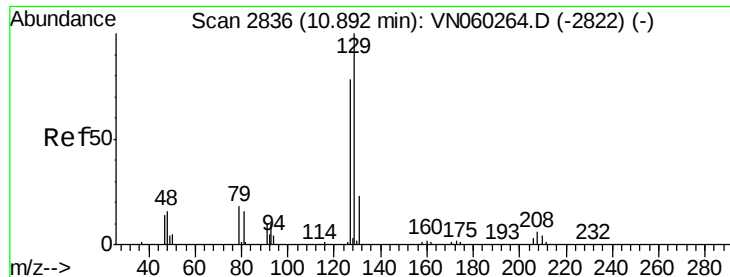
1000

500

0

Time-->

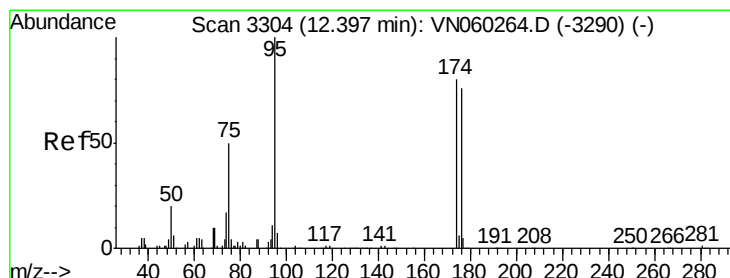
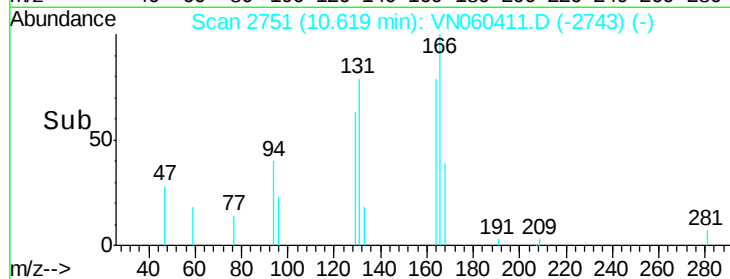
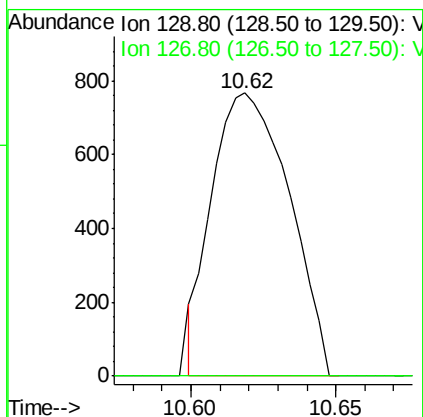
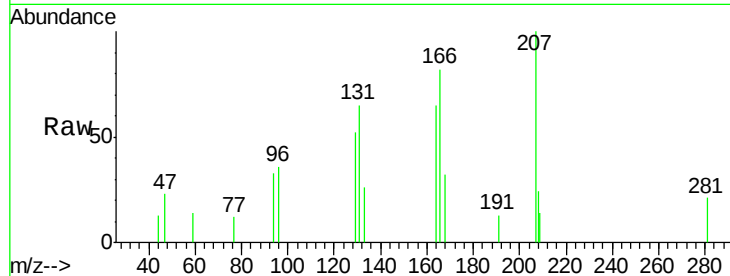




#60
 Dibromochloromethane
 Concen: 0.633 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. -0.27 min
 Lab File: VN060411.D
 Acq: 10 Mar 2020 13:07

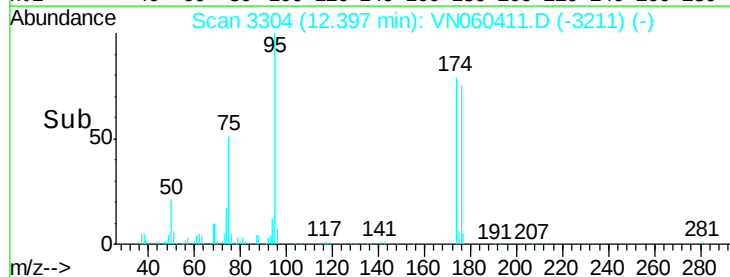
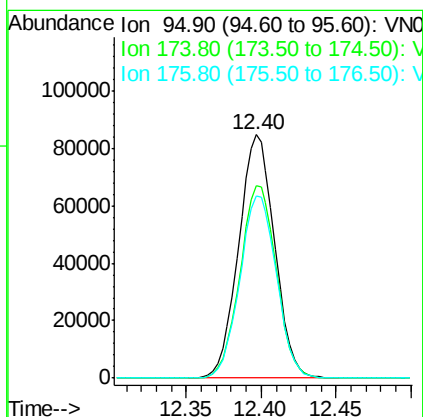
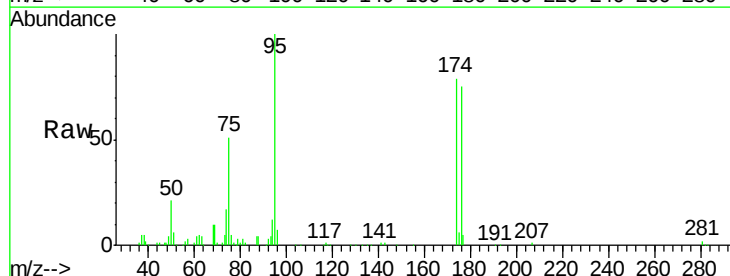
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

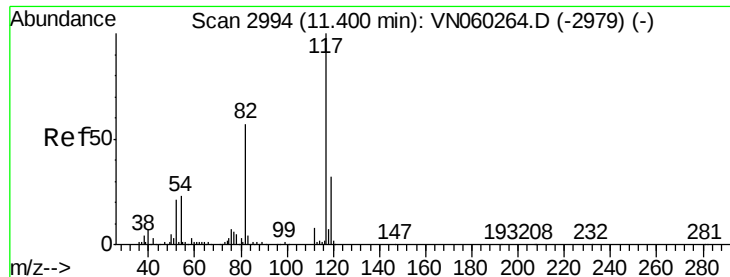
Tgt Ion: 129 Resp: 1423
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 50.271 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060411.D
 Acq: 10 Mar 2020 13:07

Tgt Ion: 95 Resp: 141307
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 159.2
 176 76.6 0.0 153.8

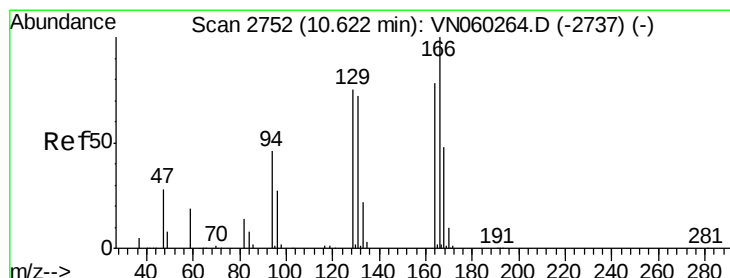
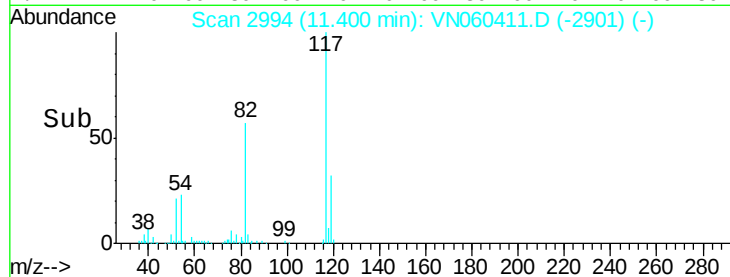
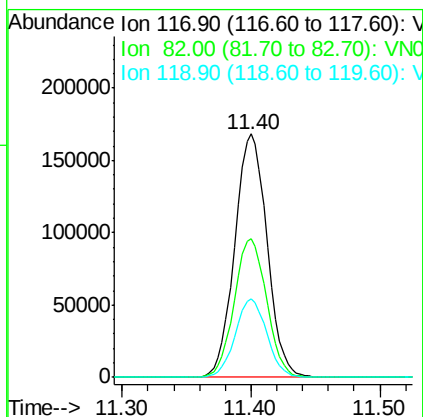
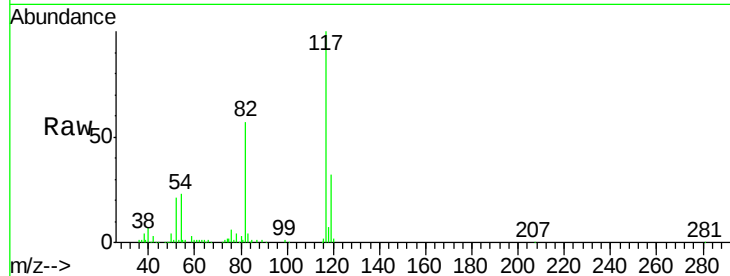




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060411.D
Acq: 10 Mar 2020 13:07

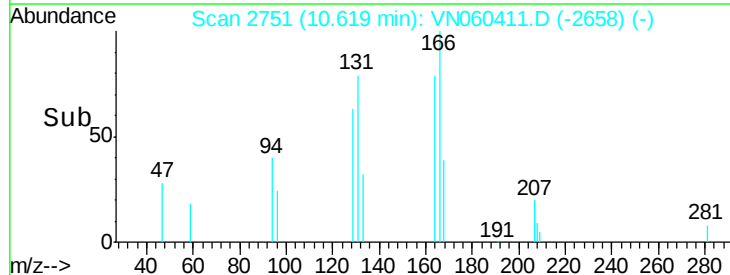
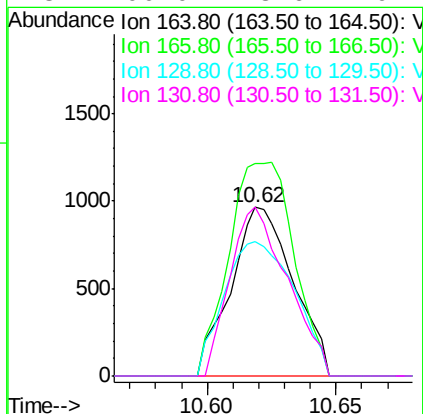
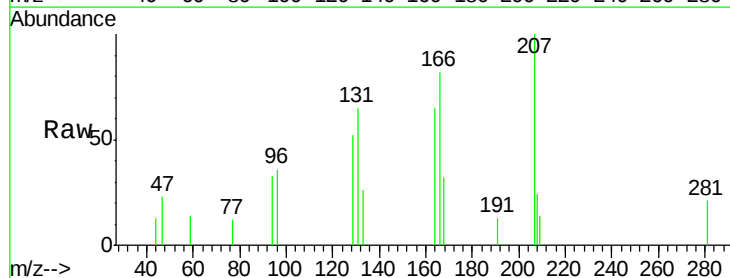
Instrument :
MSVOA_N
ClientSampled :
MW-1

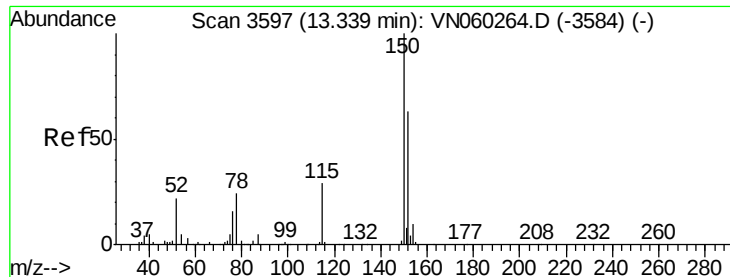
Tgt Ion:117 Resp: 292739
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060411.D
Acq: 10 Mar 2020 13:07

Tgt Ion:164 Resp: 1625
Ion Ratio Lower Upper
164 100
166 126.4 102.0 153.0
129 79.6 76.4 114.6
131 100.0 73.6 110.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampleId :

MW-1

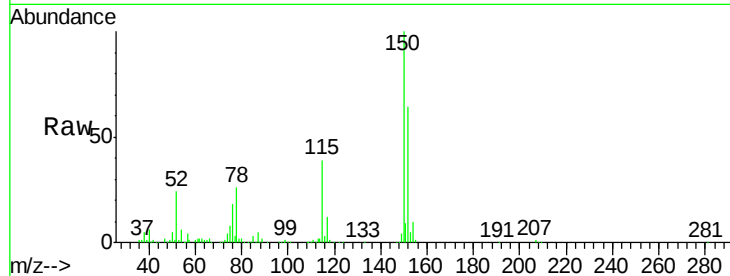
Tgt Ion:152 Resp: 132462

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

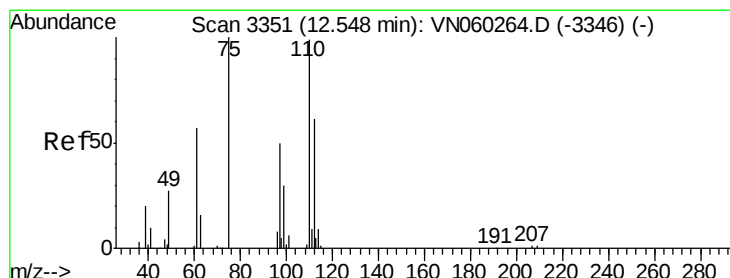
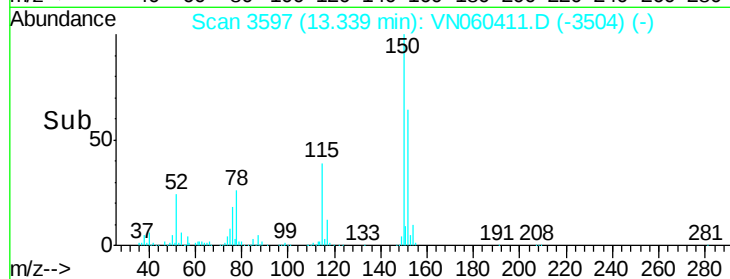
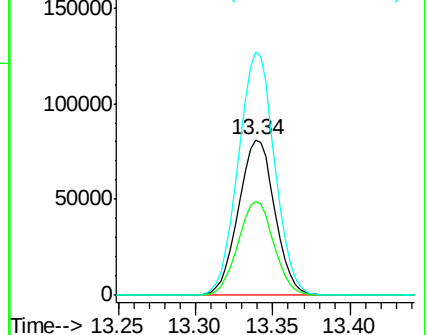
150 156.6 0.0 349.6



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: 25.036 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060411.D

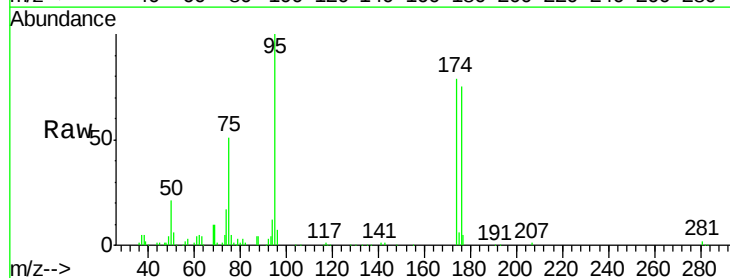
Acq: 10 Mar 2020 13:07

Tgt Ion: 75 Resp: 72761

Ion Ratio Lower Upper

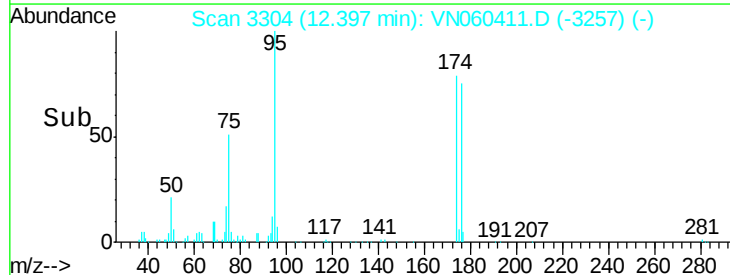
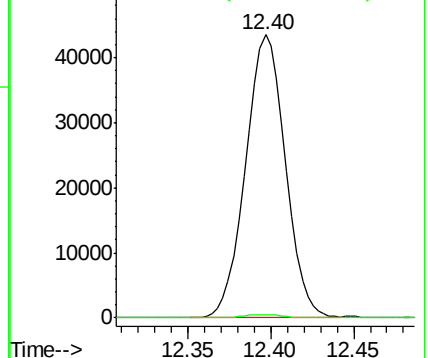
75 100

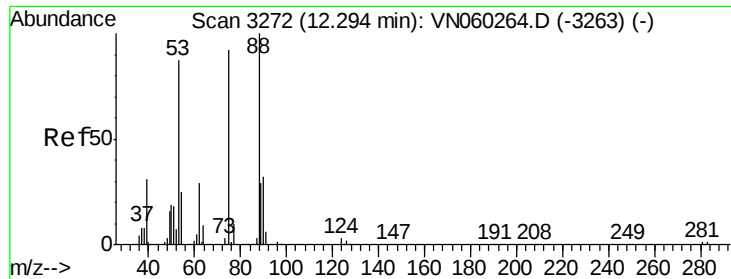
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

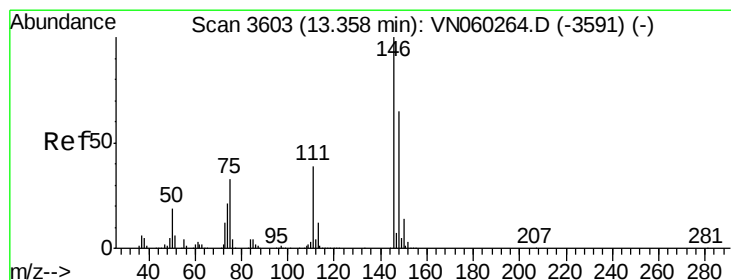
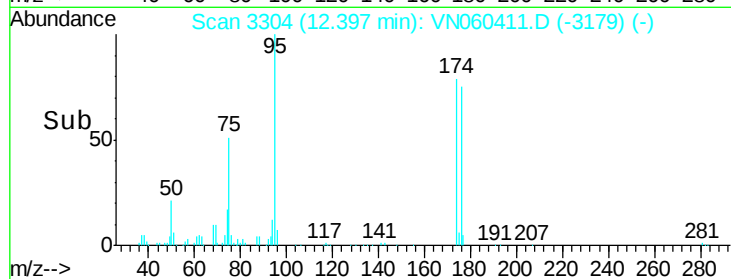
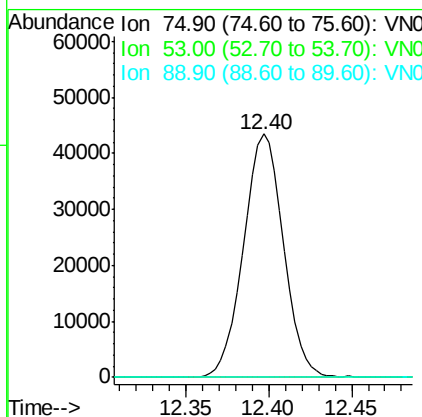
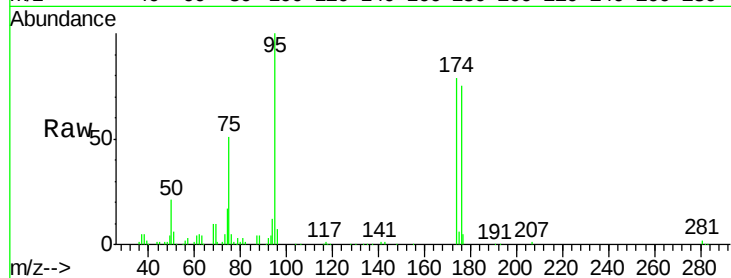




#81
trans-1,4-Dichloro-2-butene
Concen: 69.112 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060411.D
Acq: 10 Mar 2020 13:07

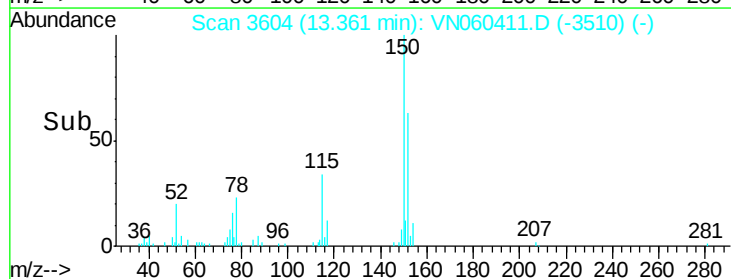
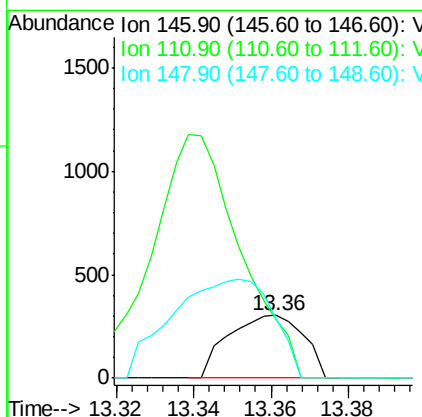
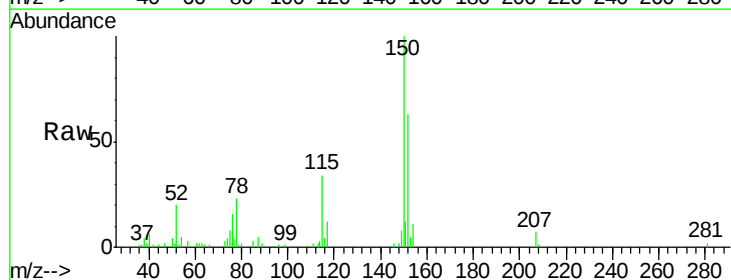
Instrument :
MSVOA_N
ClientSampled :
MW-1

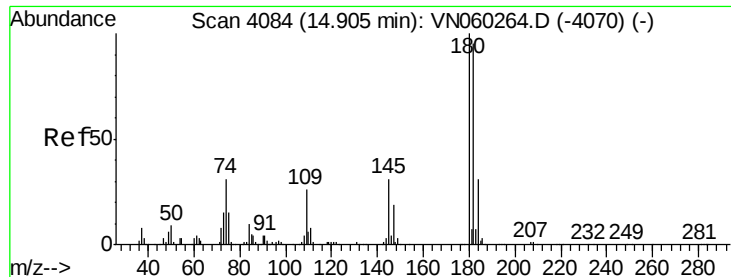
Tgt Ion: 75 Resp: 72761
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060411.D
Acq: 10 Mar 2020 13:07

Tgt Ion: 146 Resp: 409
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 213.4 32.3 96.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060411.D

Acq: 10 Mar 2020 13:07

Instrument :

MSVOA_N

ClientSampleId :

MW-1

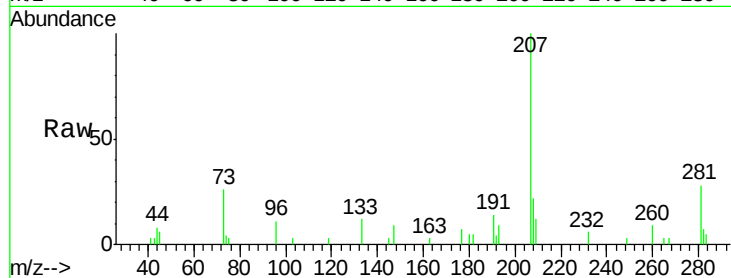
Tgt Ion:180 Resp: 444

Ion Ratio Lower Upper

180 100

182 92.8 47.8 143.3

145 27.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

