

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060391.D
 Acq On : 9 Mar 2020 10:18
 Operator : JC/MD
 Sample : VN0309MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309MBL01

Quant Time: Mar 09 13:01:49 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	187160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	304898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117891	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.56	113	88246	62.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.70%	
50) Toluene-d8	10.08	98	369053	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.40	95	126620	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

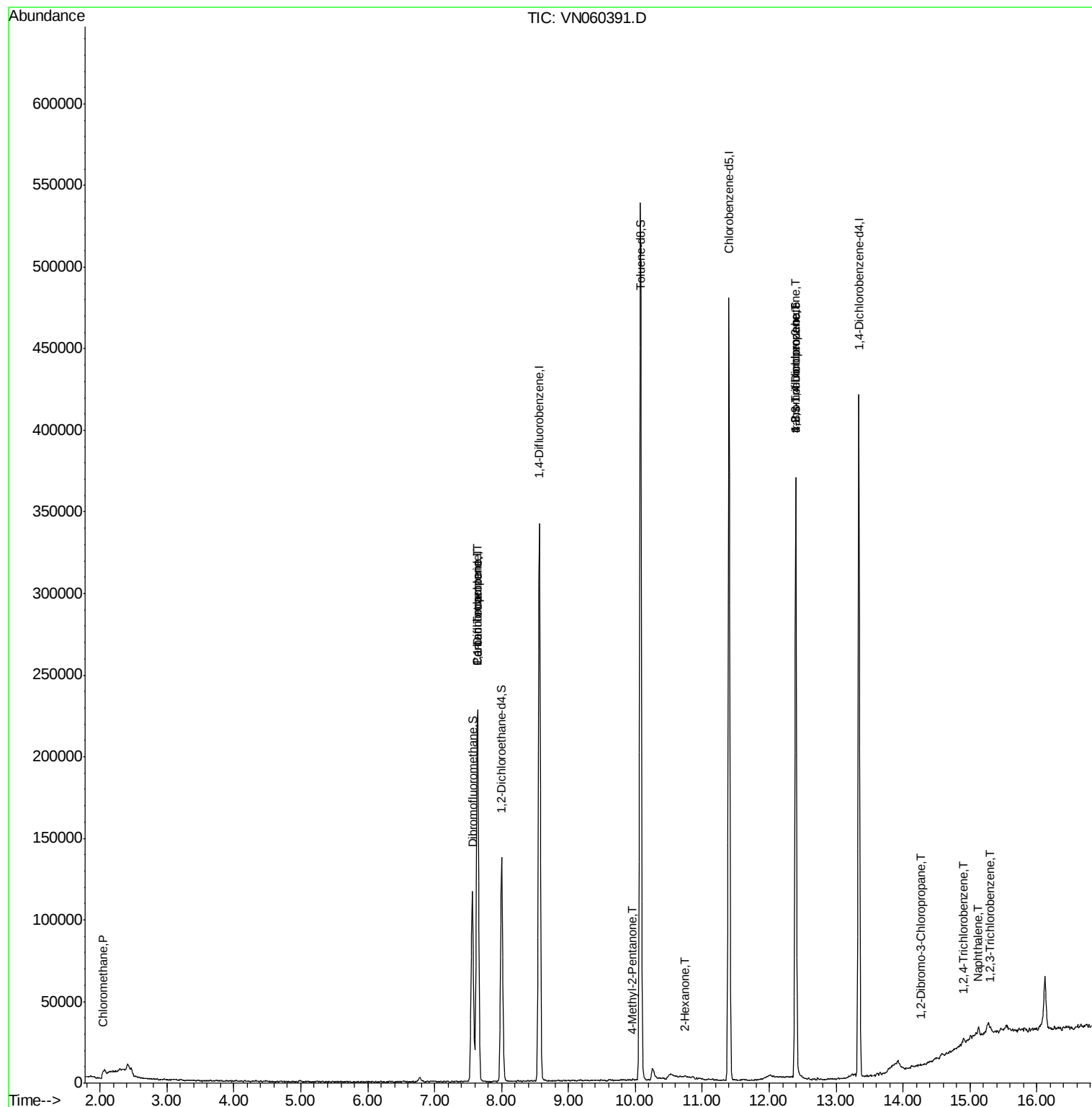
						Qvalue
3) Chloromethane	2.04	50	1238	0.41	ug/l	96
12) 1,1-Dichloroethene	3.72	96	61	Below	Cal #	1
17) Carbon Disulfide	4.02	76	446	Below	Cal #	75
21) trans-1,2-Dichloroethene	4.83	96	29	Below	Cal #	1
31) Cyclohexane	7.64	56	4228	Below	Cal #	1
36) 1,1-Dichloropropene	7.64	75	14120	4.86	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17997	6.36	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	602	0.22	ug/l #	36
59) 2-Hexanone	10.74	43	692	0.35	ug/l	83
76) 1,2,3-Trichloropropane	12.40	75	64428	26.71	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	64428	73.73	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	475	Below	Cal #	81
88) 1,4-Dichlorobenzene	13.35	146	685	Below	Cal #	1
92) 1,2-Dibromo-3-Chloropropan	14.27	75	242	0.48	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	919	0.50	ug/l	90
94) Hexachlorobutadiene	15.01	225	376	Below	Cal	80
95) Naphthalene	15.13	128	4198	0.37	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.31	180	1188	0.39	ug/l	97

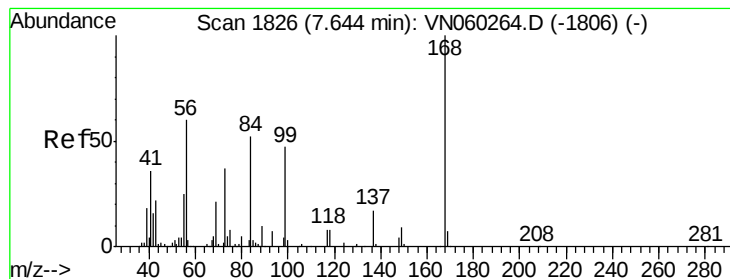
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

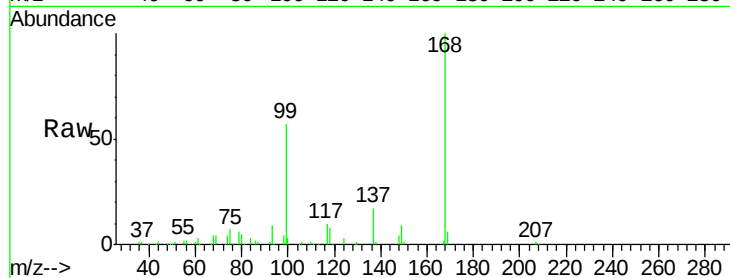
VN0309MBL01

Tgt Ion:168 Resp: 187160

Ion Ratio Lower Upper

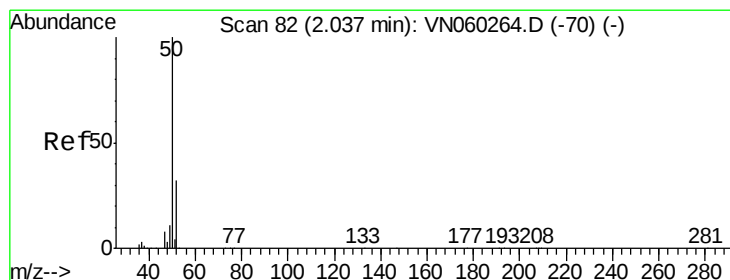
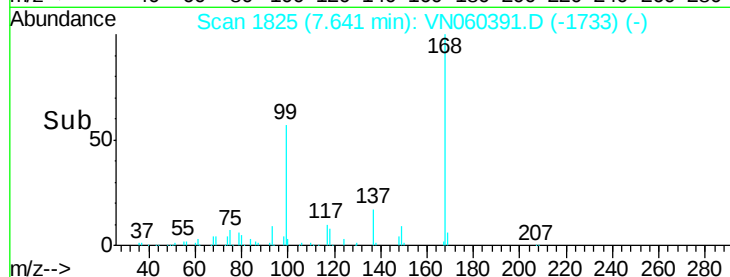
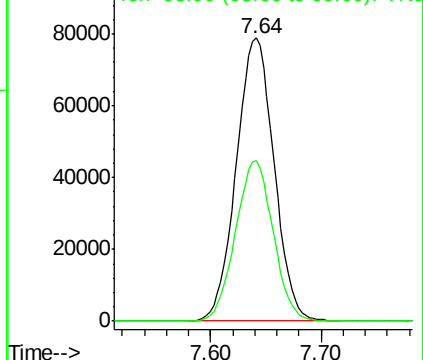
168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.41 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060391.D

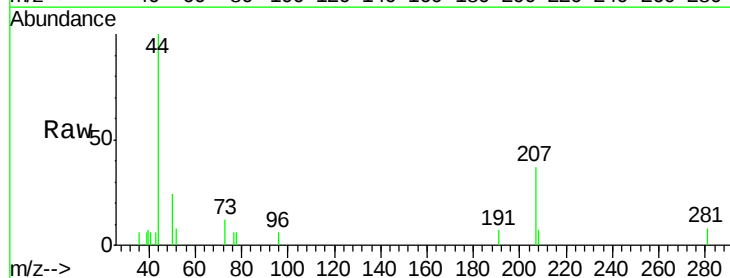
Acq: 9 Mar 2020 10:18

Tgt Ion: 50 Resp: 1238

Ion Ratio Lower Upper

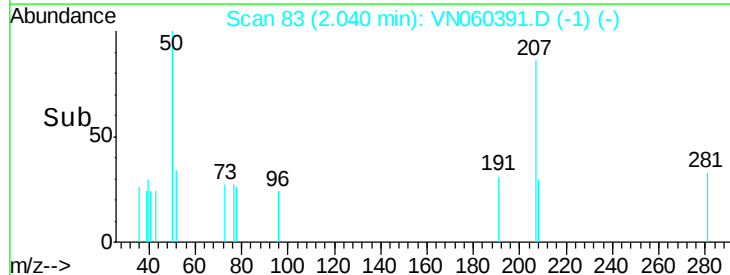
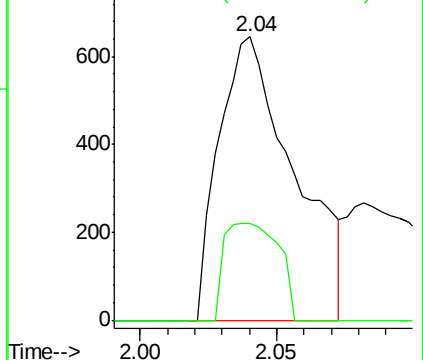
50 100

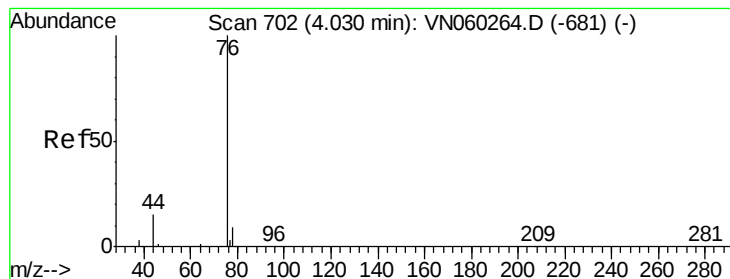
52 34.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

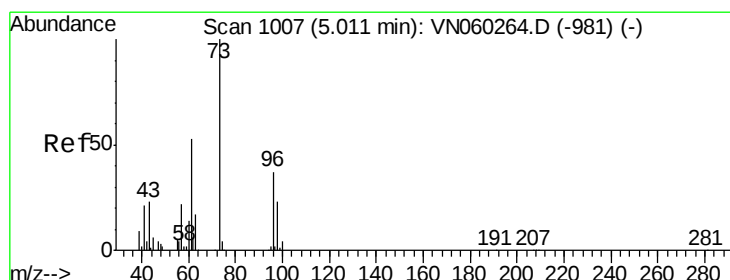
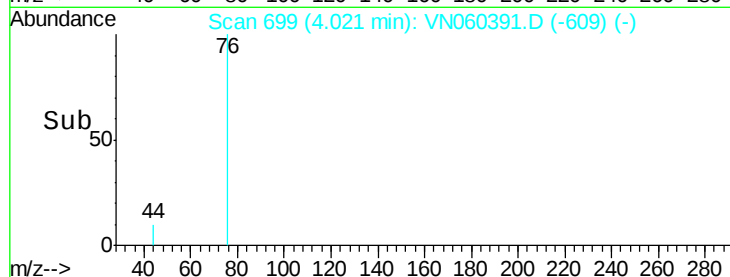
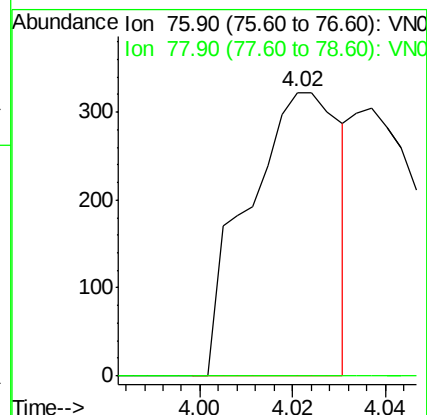
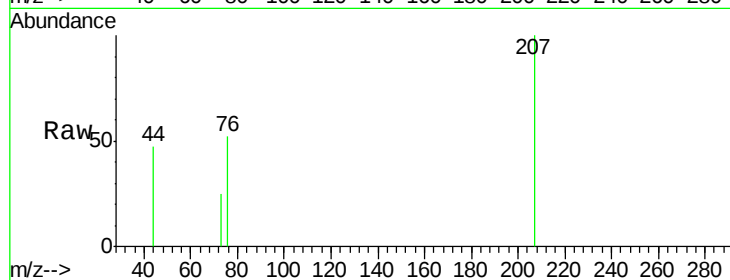
VN0309MBL01

Tgt Ion: 76 Resp: 446

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 4.83 min Scan# 950

Delta R.T. -0.18 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

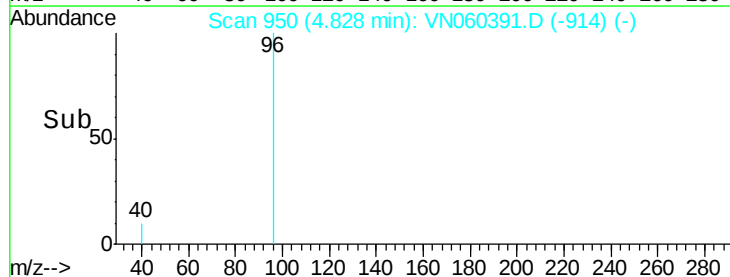
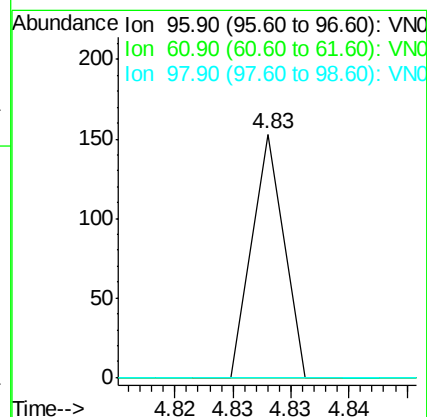
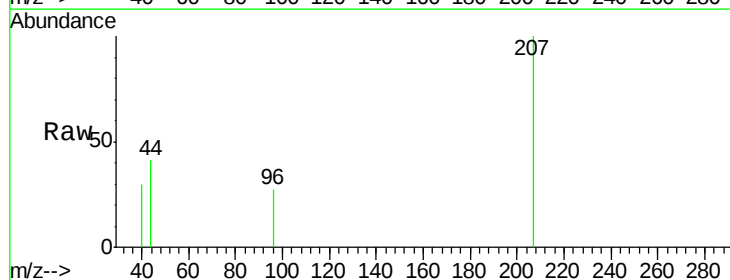
Tgt Ion: 96 Resp: 29

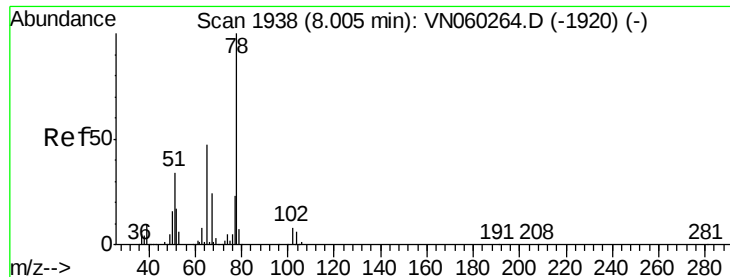
Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.8#

98 0.0 48.8 73.2#

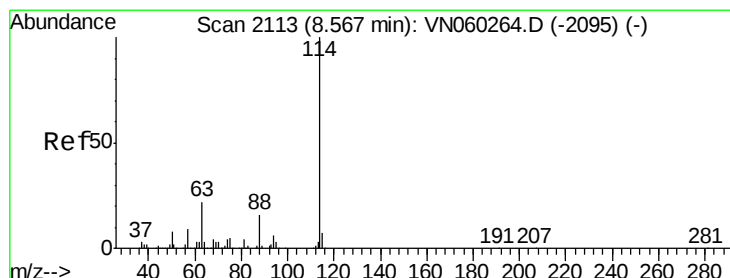
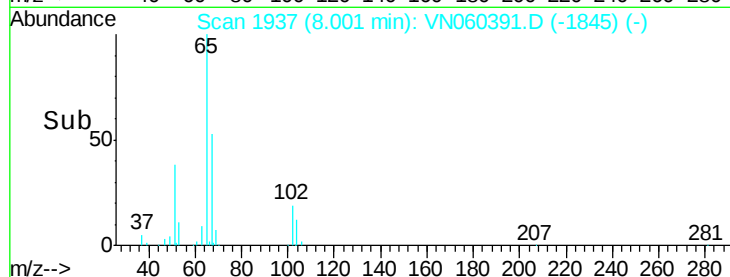
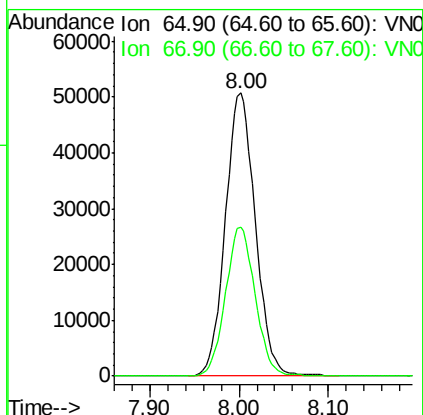
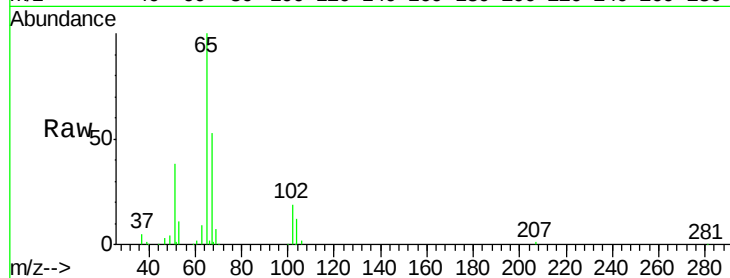




#33
 1,2-Dichloroethane-d4
 Concen: 49.09 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

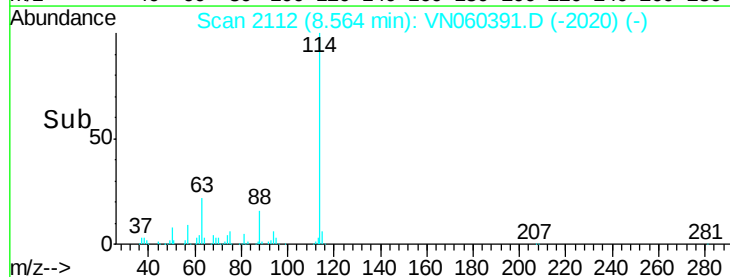
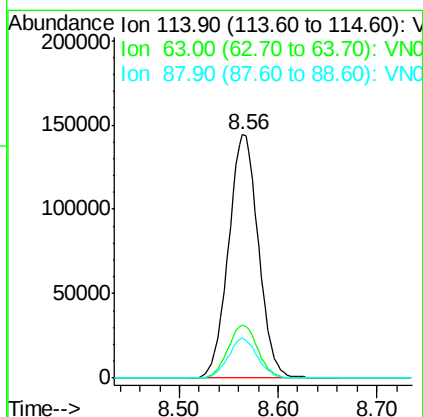
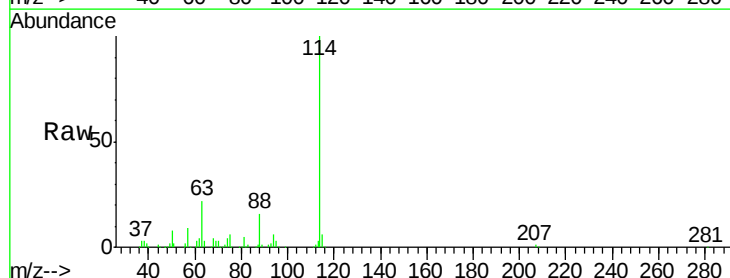
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309MBL01

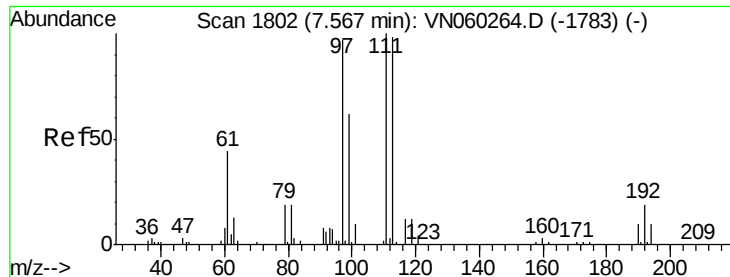
Tgt Ion: 65 Resp: 117891
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

Tgt Ion: 114 Resp: 304898
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.2 0.0 31.6

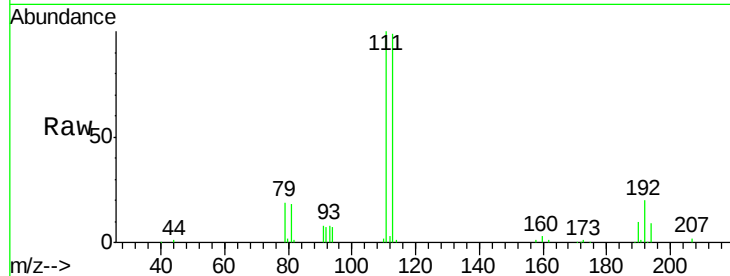




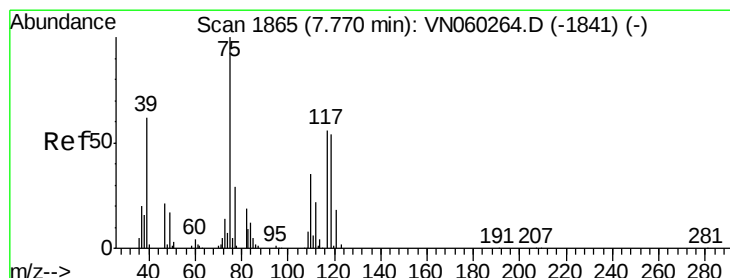
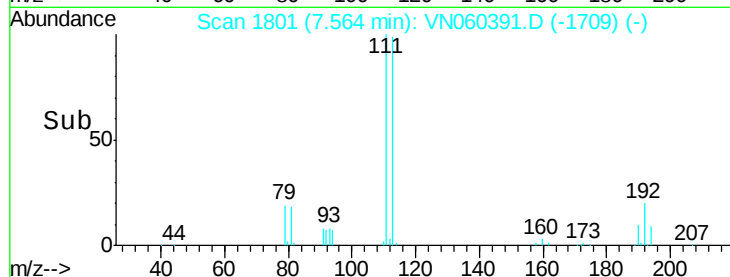
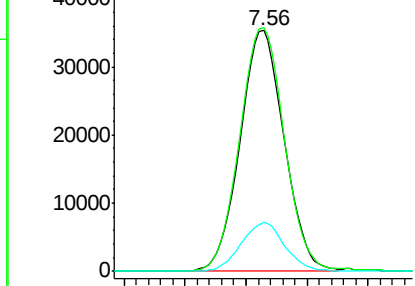
#35
 Dibromofluoromethane
 Concen: 62.35 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309MBL01

Tgt Ion: 113 Resp: 88246
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 19.9 16.2 24.2

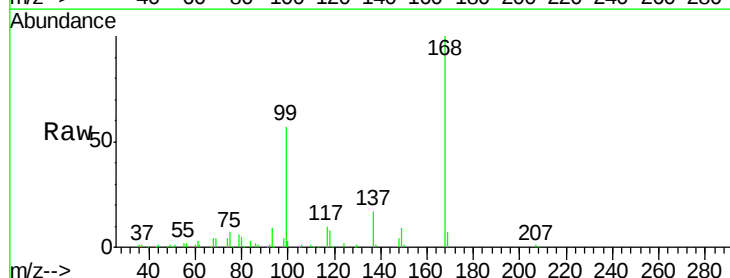


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

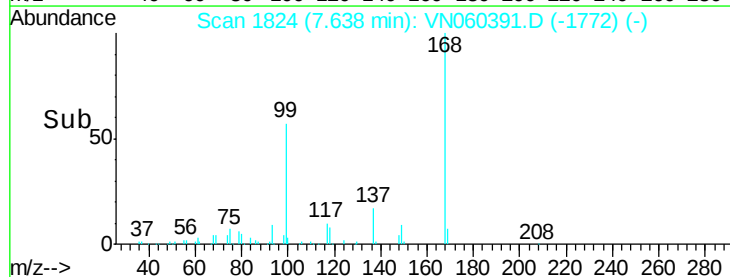
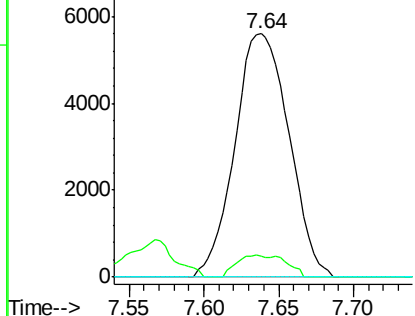


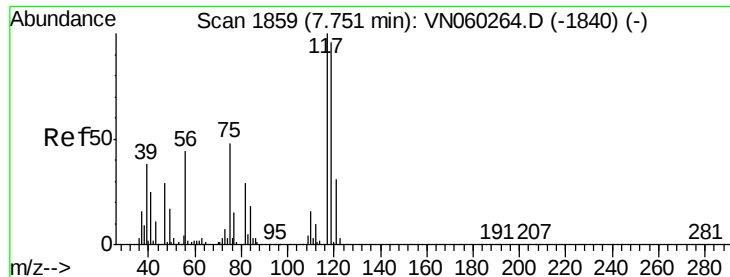
#36
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

Tgt Ion: 75 Resp: 14120
 Ion Ratio Lower Upper
 75 100
 110 8.2 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





#38

Carbon Tetrachloride

Concen: 6.36 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0309MBL01

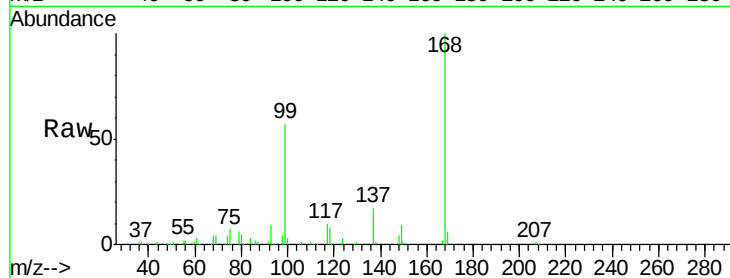
Tgt Ion:117 Resp: 17997

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

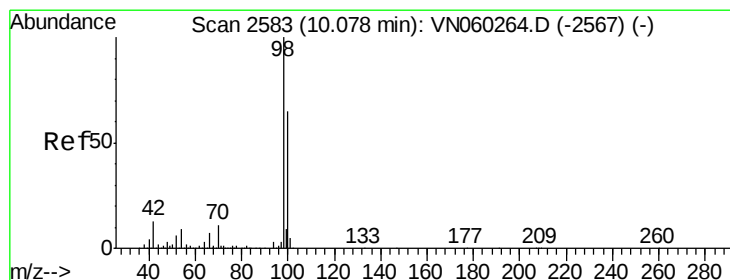
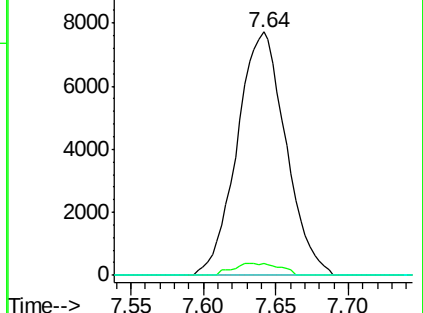
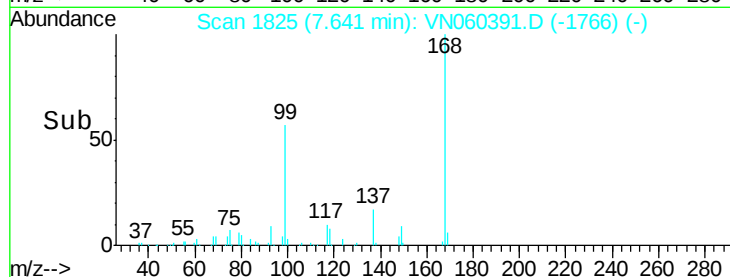
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 51.52 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060391.D

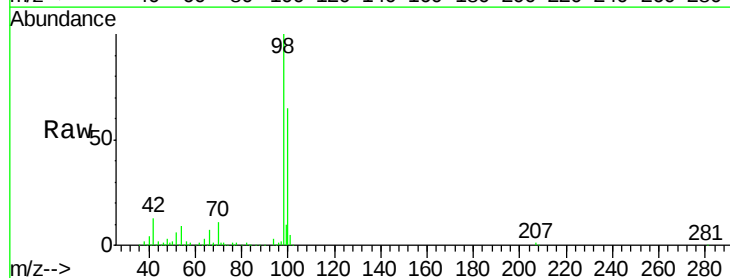
Acq: 9 Mar 2020 10:18

Tgt Ion: 98 Resp: 369053

Ion Ratio Lower Upper

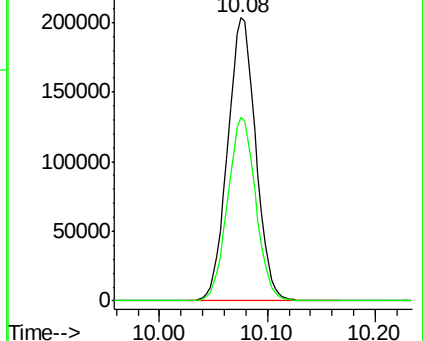
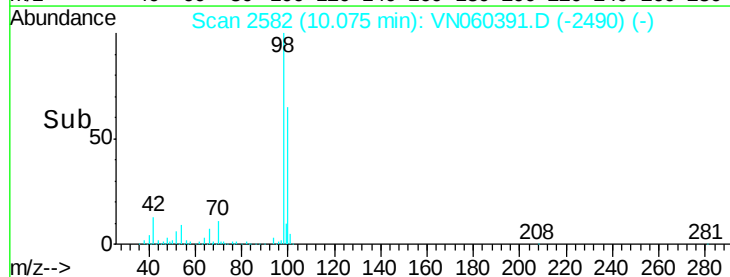
98 100

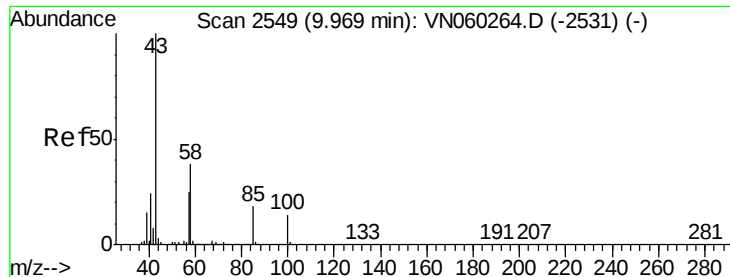
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

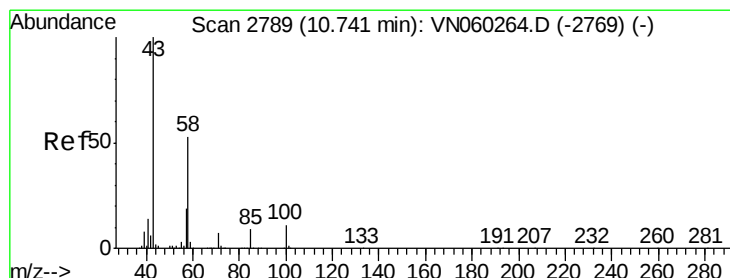
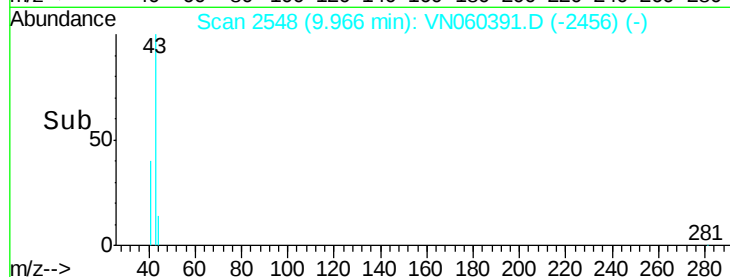
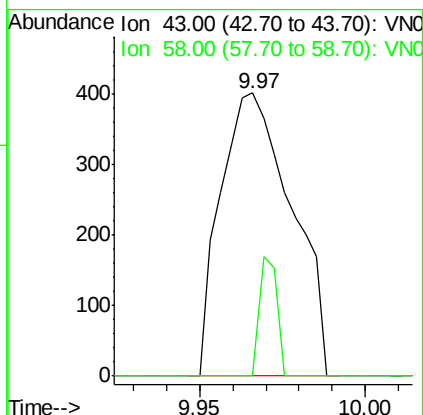
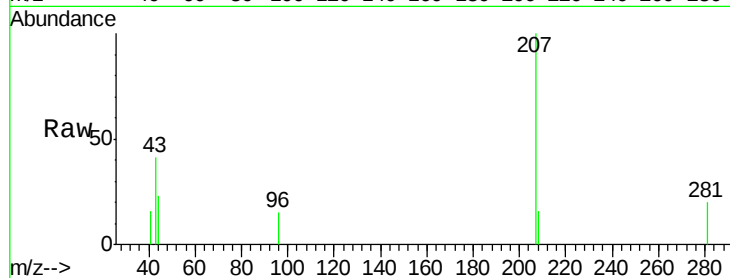




#51
 4-Methyl-2-Pentanone
 Concen: 0.22 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

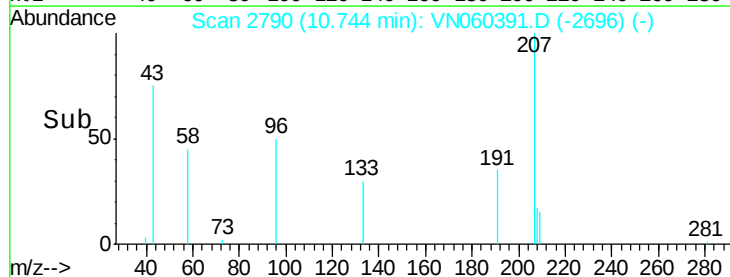
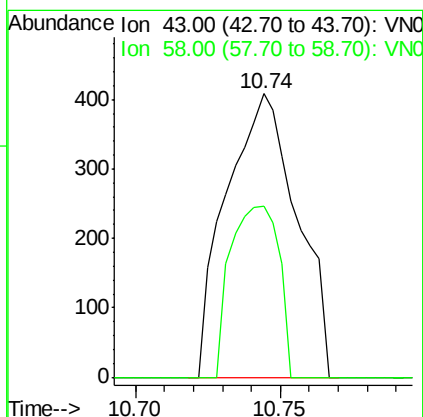
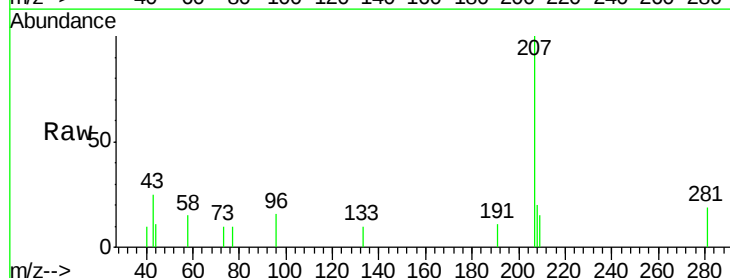
Instrument :
 MSVOA_N
 ClientSampled :
 VN0309MBL01

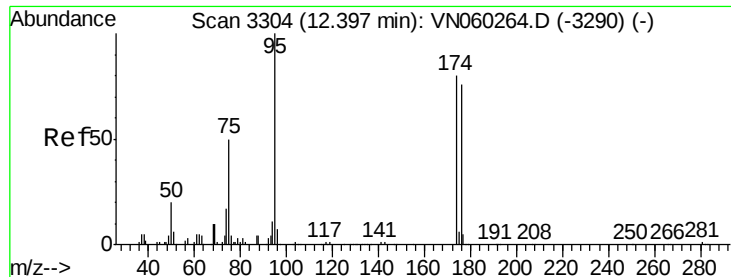
Tgt Ion: 43 Resp: 602
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.9 46.3#



#59
 2-Hexanone
 Concen: 0.35 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

Tgt Ion: 43 Resp: 692
 Ion Ratio Lower Upper
 43 100
 58 41.2 26.5 79.5

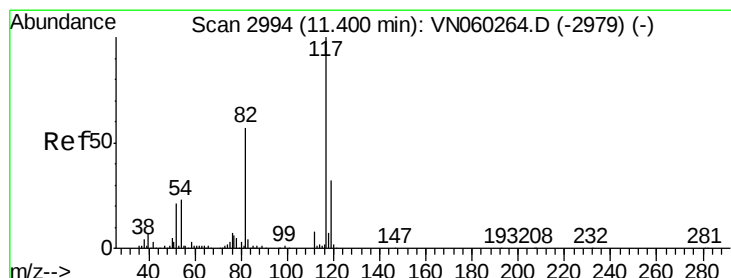
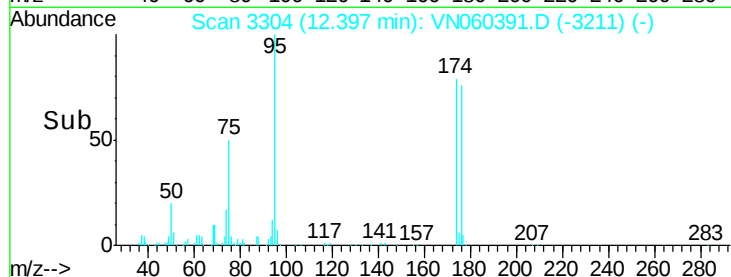
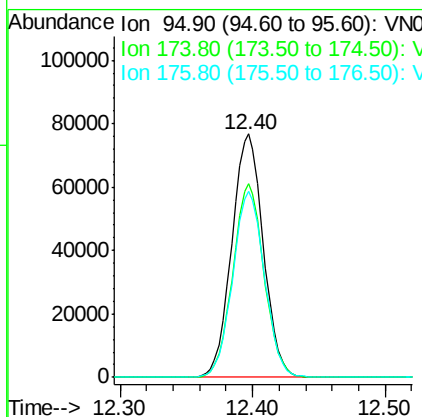
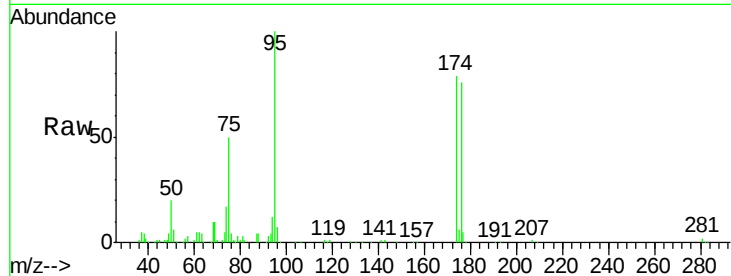




#62
4-Bromofluorobenzene
Concen: 46.63 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060391.D
Acq: 9 Mar 2020 10:18

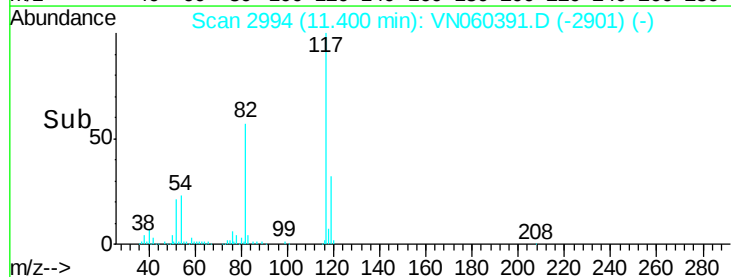
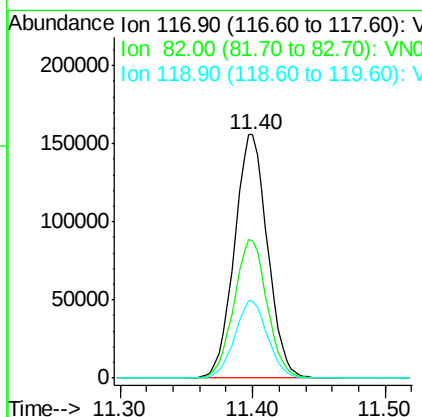
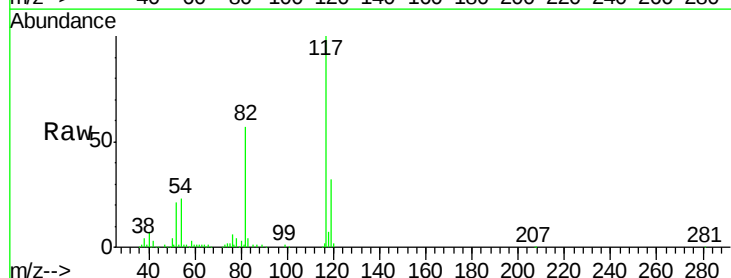
Instrument :
MSVOA_N
ClientSampleId :
VN0309MBL01

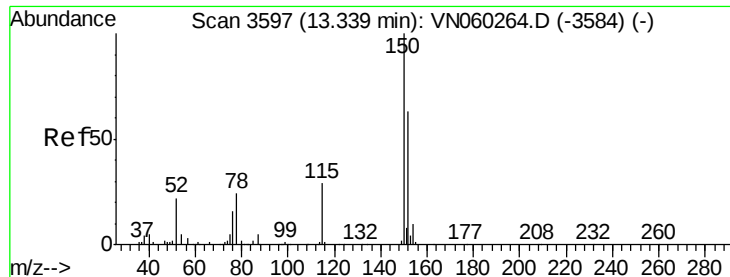
Tgt Ion: 95 Resp: 126620
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.2
176 76.9 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060391.D
Acq: 9 Mar 2020 10:18

Tgt Ion: 117 Resp: 269327
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 31.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0309MBL01

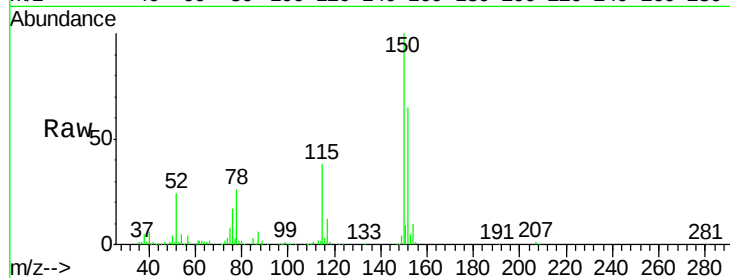
Tgt Ion:152 Resp: 109952

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

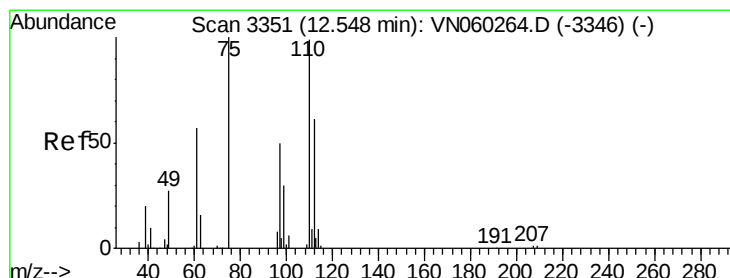
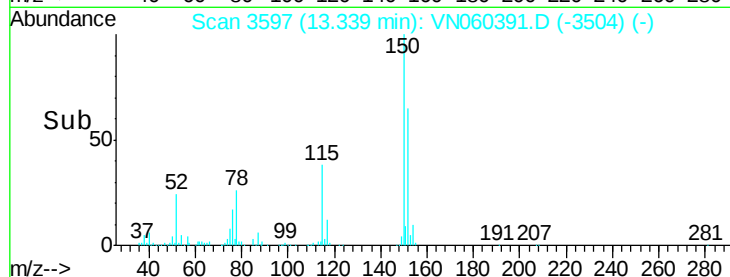
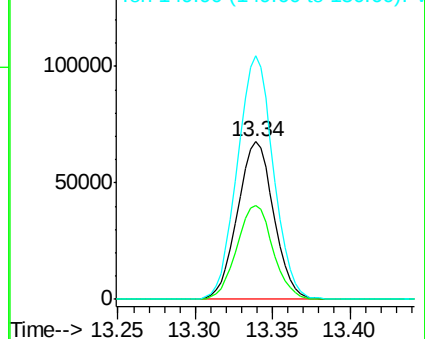
150 154.3 0.0 349.6



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: 26.71 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060391.D

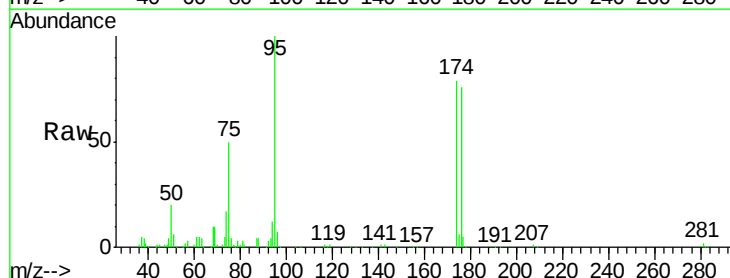
Acq: 9 Mar 2020 10:18

Tgt Ion: 75 Resp: 64428

Ion Ratio Lower Upper

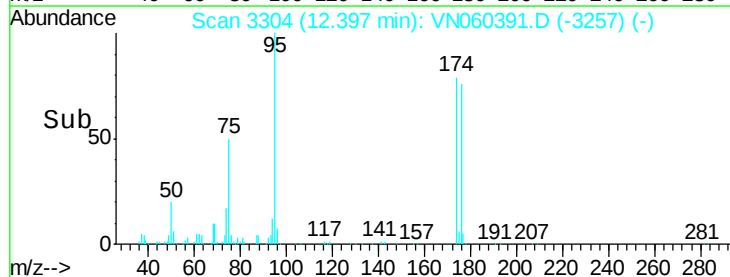
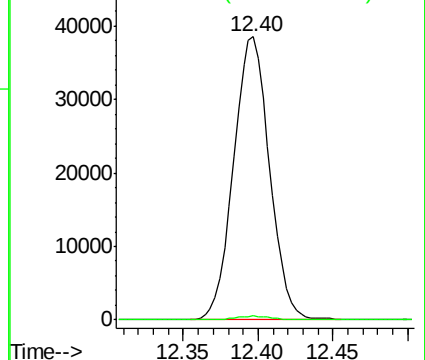
75 100

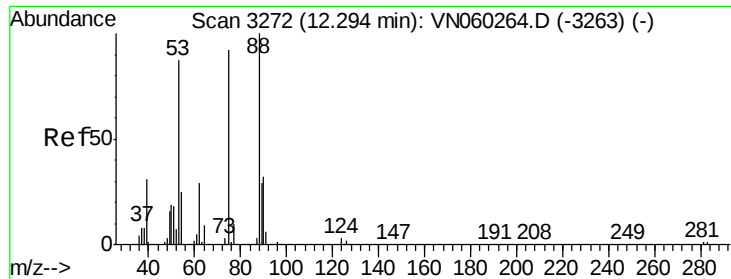
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.73 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0309MBL01

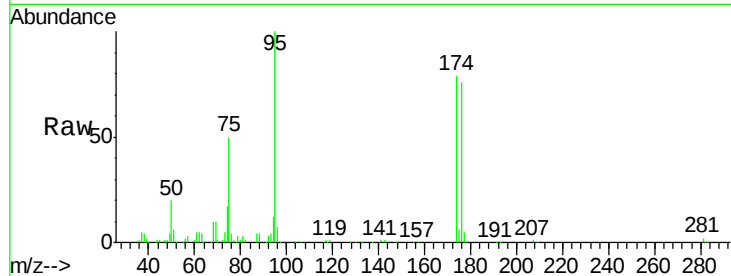
Tgt Ion: 75 Resp: 64428

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

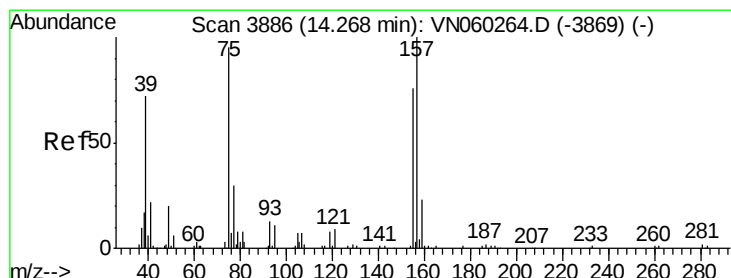
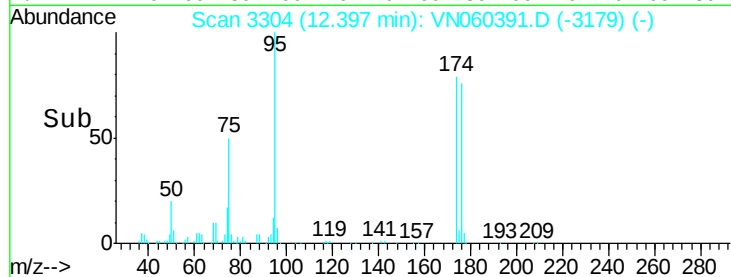
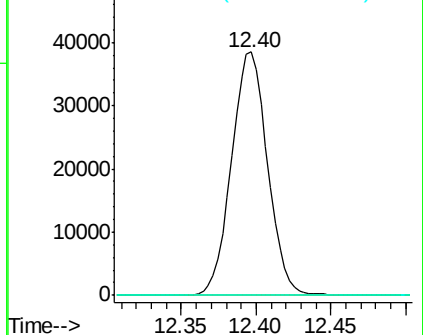
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.48 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

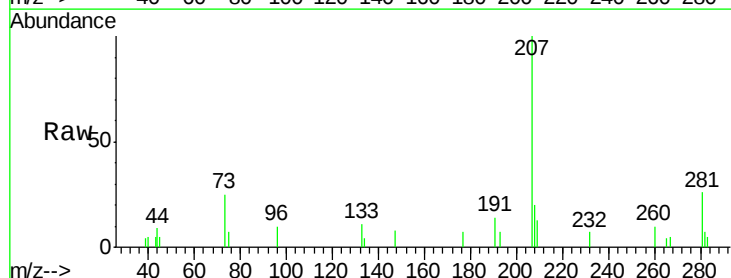
Tgt Ion: 75 Resp: 242

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

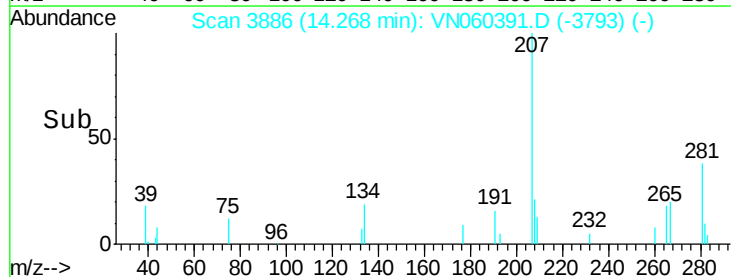
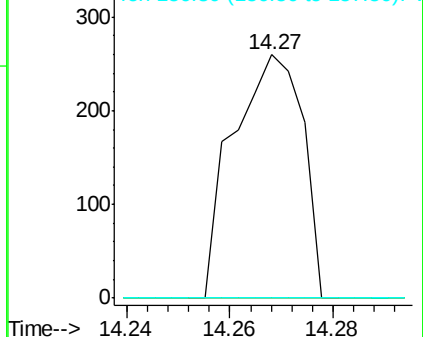
157 0.0 52.5 157.5#

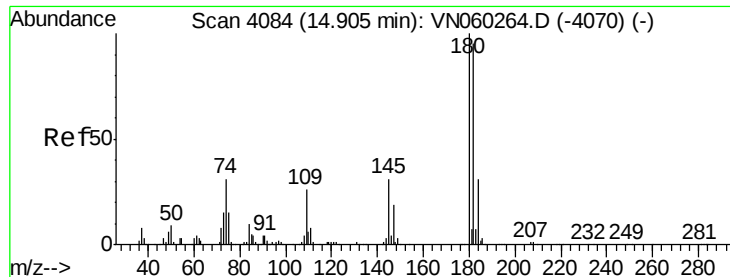


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

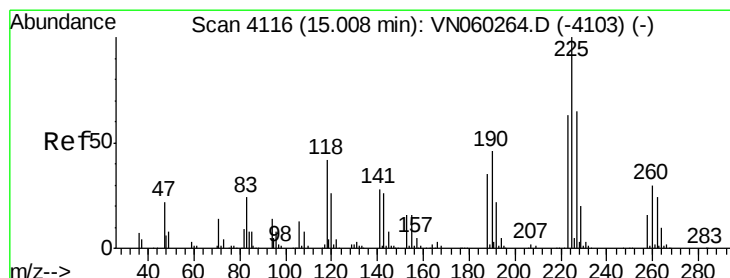
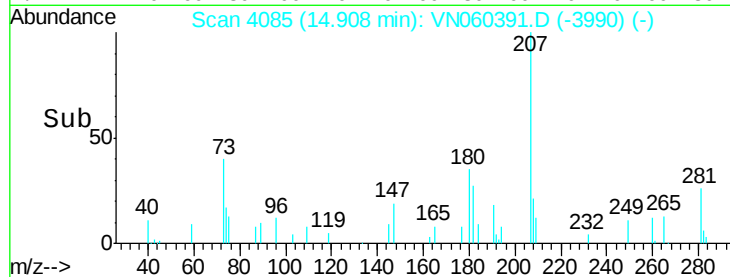
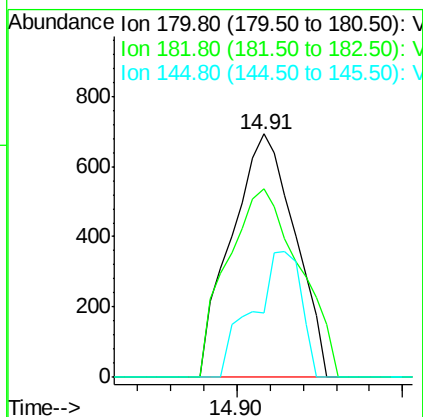
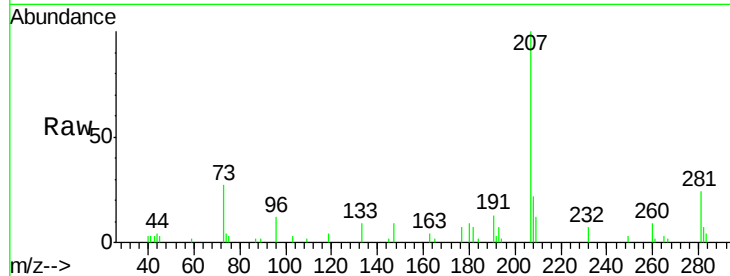




#93
 1,2,4-Trichlorobenzene
 Concen: 0.50 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

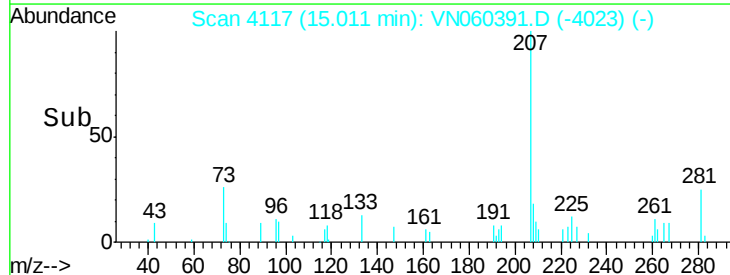
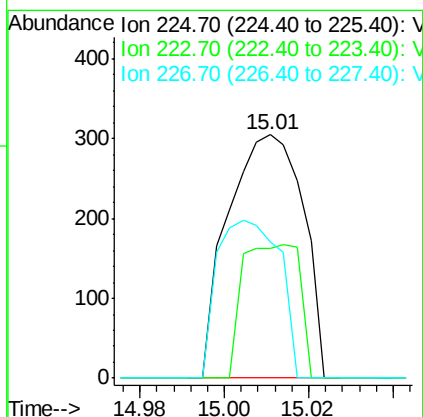
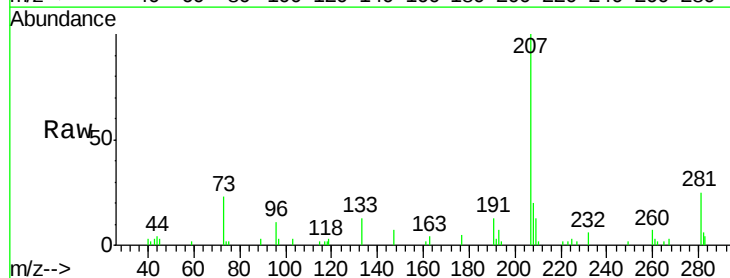
Instrument :
 MSVOA_N
 ClientSampled :
 VN0309MBL01

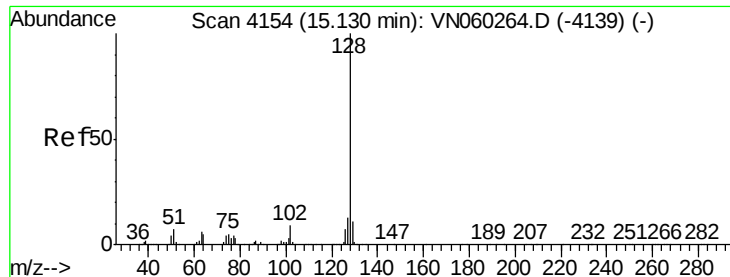
Tgt Ion:180 Resp: 919
 Ion Ratio Lower Upper
 180 100
 182 88.2 47.8 143.3
 145 39.6 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060391.D
 Acq: 9 Mar 2020 10:18

Tgt Ion:225 Resp: 376
 Ion Ratio Lower Upper
 225 100
 223 41.8 31.3 93.9
 227 54.5 32.3 96.9





#95

Naphthalene

Concen: 0.37 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0309MBL01

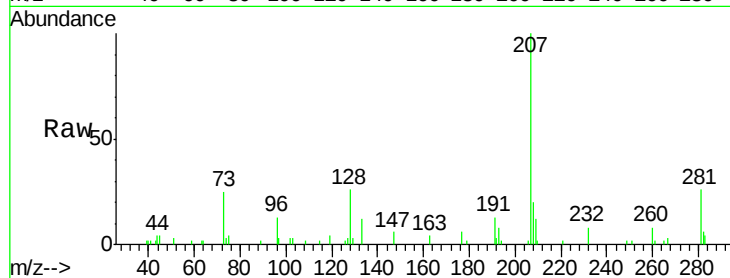
Tgt Ion:128 Resp: 4198

Ion Ratio Lower Upper

128 100

127 9.9 10.4 15.6#

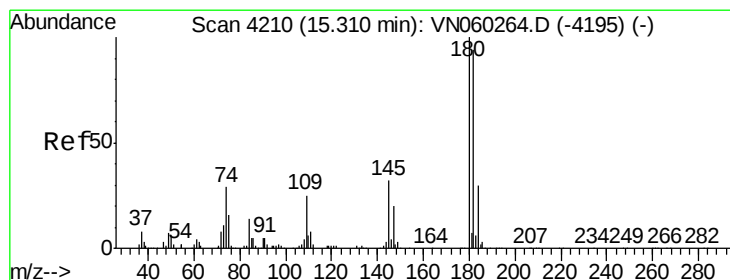
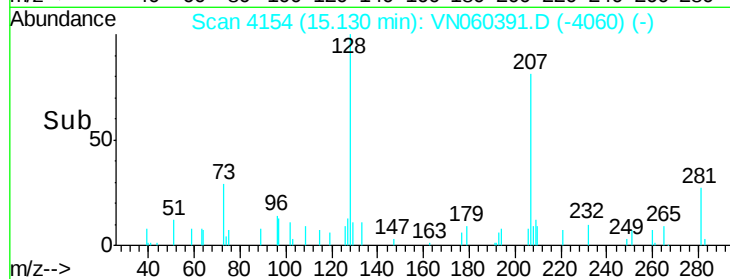
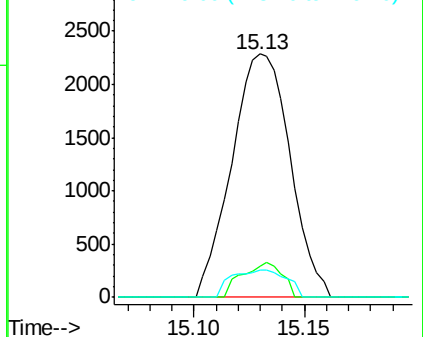
129 10.6 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.39 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060391.D

Acq: 9 Mar 2020 10:18

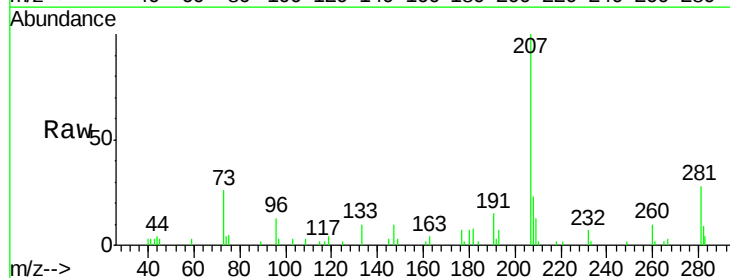
Tgt Ion:180 Resp: 1188

Ion Ratio Lower Upper

180 100

182 91.0 47.3 142.0

145 32.3 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

