

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082620\
 Data File : VN063128.D
 Acq On : 26 Aug 2020 13:13
 Operator : JC/MD
 Sample : VN0826MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826MBL01

Quant Time: Aug 26 15:52:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	267444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	119871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	99955	52.86	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.55	113	87270	50.08	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.06	98	340076	50.81	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.38	95	120144	50.86	ug/l	0.00
Spiked Amount						

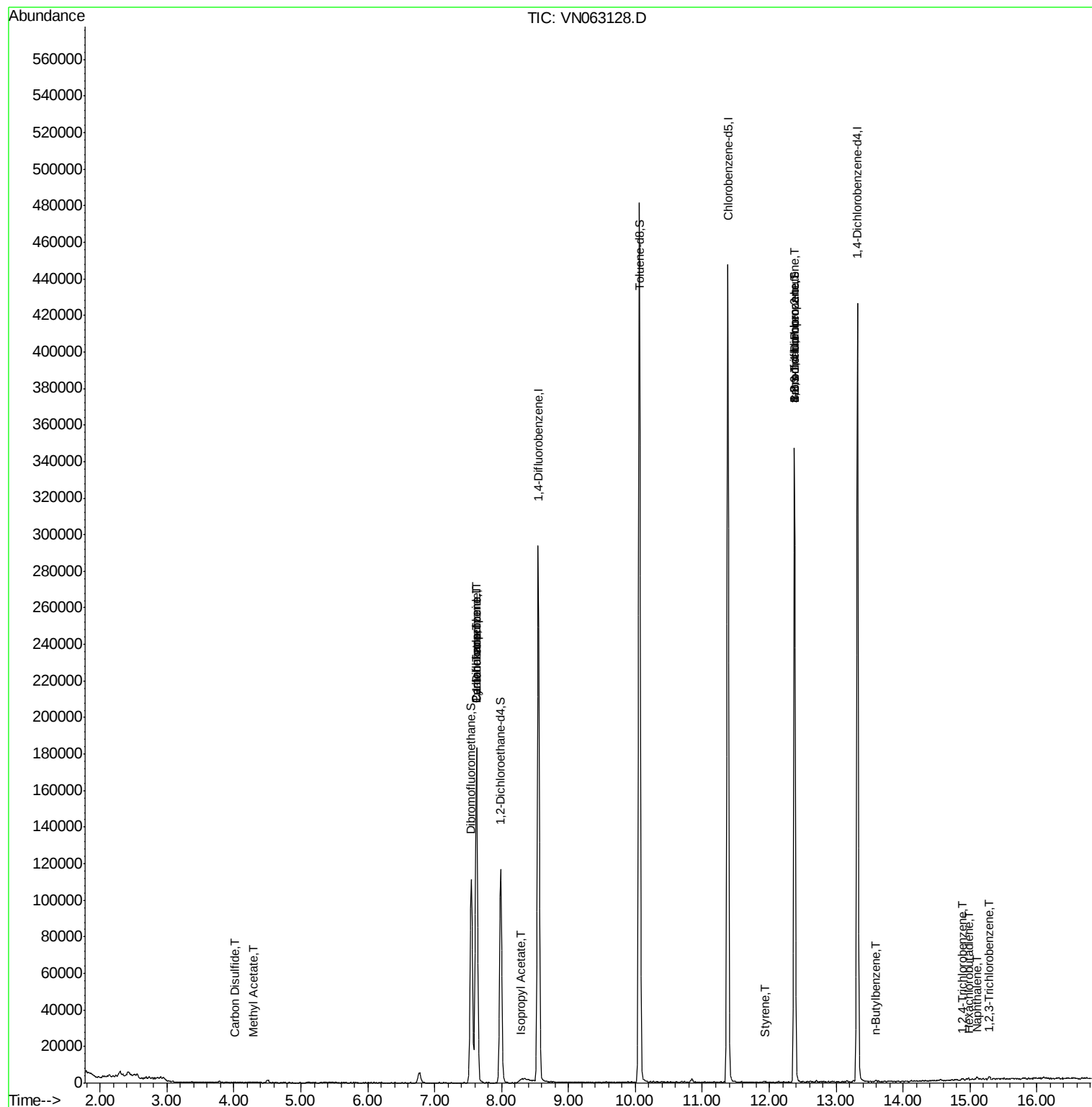
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1324	Below Cal		94
17) Carbon Disulfide	4.01	76	805	0.227 ug/l #		76
18) Methyl Acetate	4.29	43	547	0.291 ug/l #		52
20) Methylene Chloride	4.49	84	599	Below Cal #		69
31) Cyclohexane	7.63	56	2834	1.017 ug/l #		1
36) 1,1-Dichloropropene	7.63	75	10979	4.658 ug/l #		49
38) Carbon Tetrachloride	7.62	117	13918	5.849 ug/l #		17
43) Isopropyl Acetate	8.27	43	820	0.224 ug/l #		53
70) Styrene	11.94	104	89	1.937 ug/l #		26
71) Bromoform	12.38	173	972	0.582 ug/l #		1
76) 1,2,3-Trichloropropane	12.38	75	57884	24.843 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	57884	68.229 ug/l #		15
89) n-Butylbenzene	13.60	91	470	2.839 ug/l #		65
93) 1,2,4-Trichlorobenzene	14.88	180	620	4.816 ug/l #		84
94) Hexachlorobutadiene	14.98	225	312	0.225 ug/l		82
95) Naphthalene	15.11	128	1959	6.006 ug/l #		73
96) 1,2,3-Trichlorobenzene	15.28	180	786	4.321 ug/l #		75

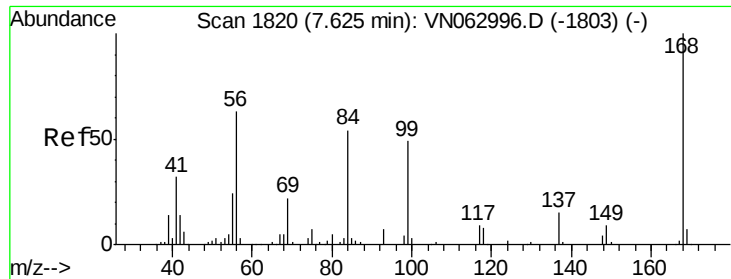
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

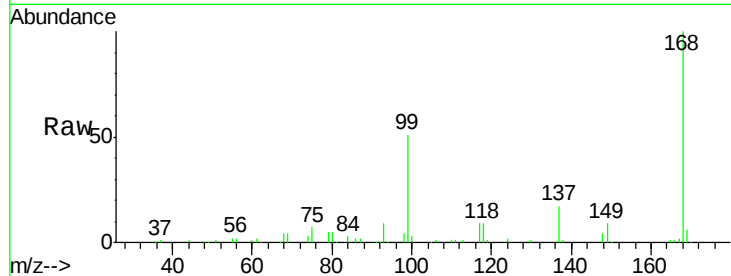
VN0826MBL01

Tgt Ion:168 Resp: 159552

Ion Ratio Lower Upper

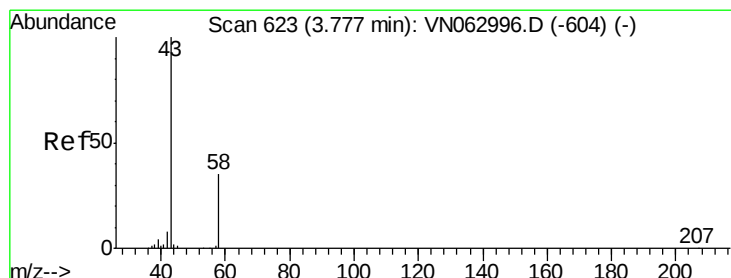
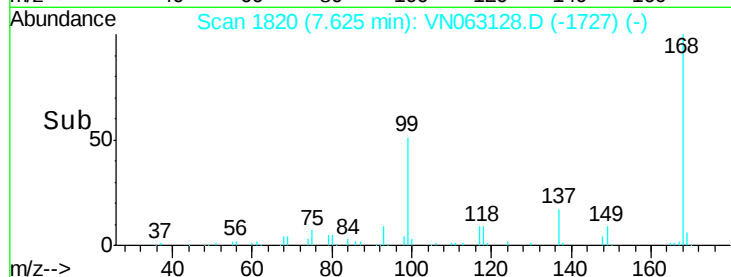
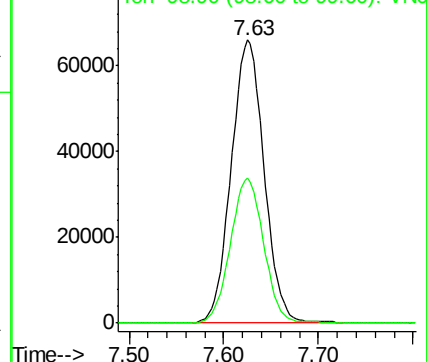
168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063128.D

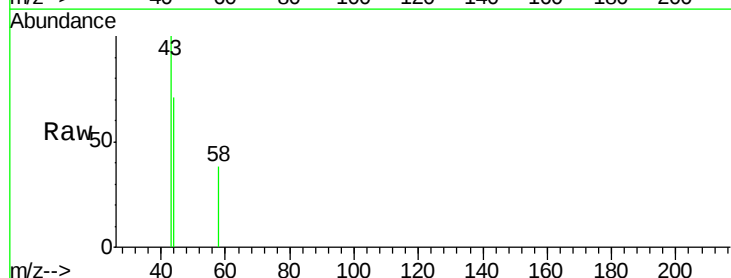
Acq: 26 Aug 2020 13:13

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

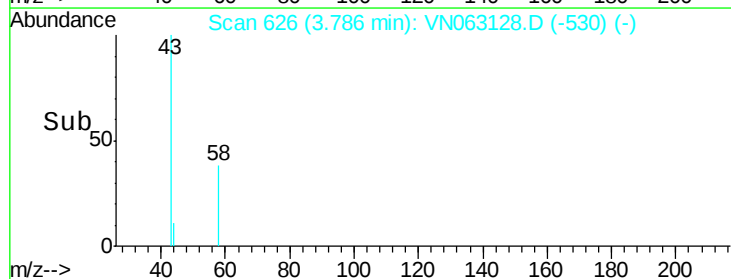
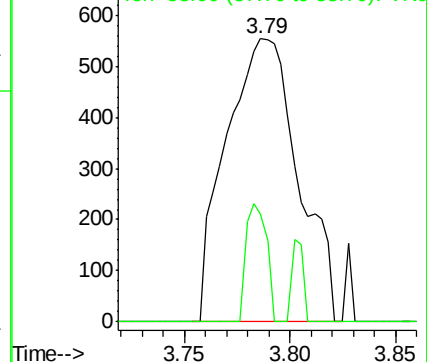
43 100

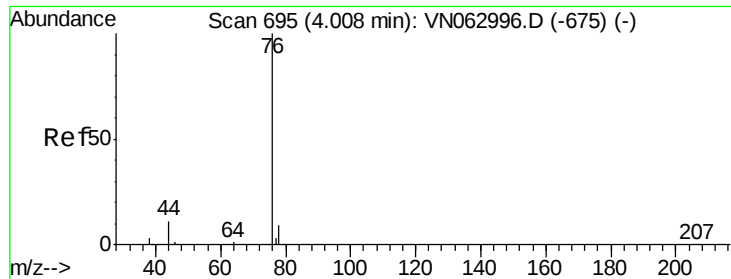
58 38.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.227 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

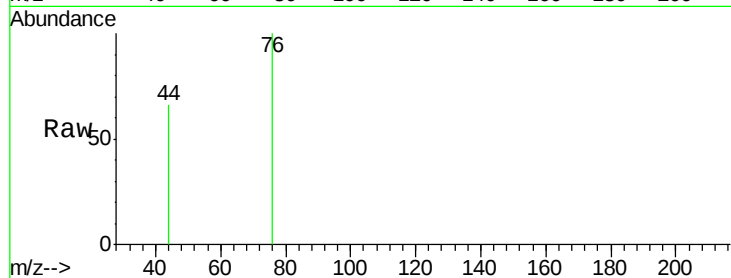
VN0826MBL01

Tgt Ion: 76 Resp: 805

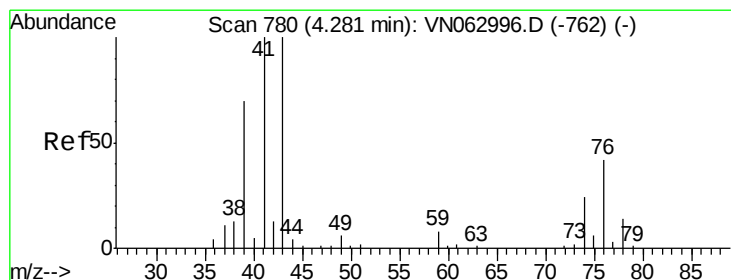
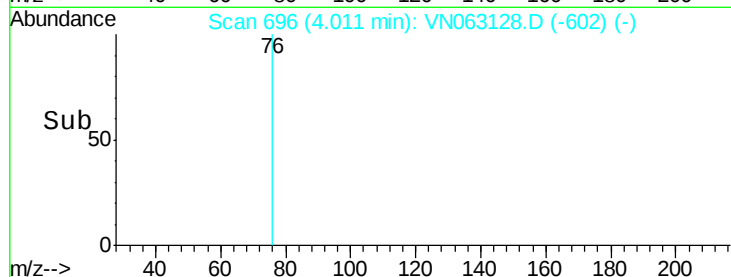
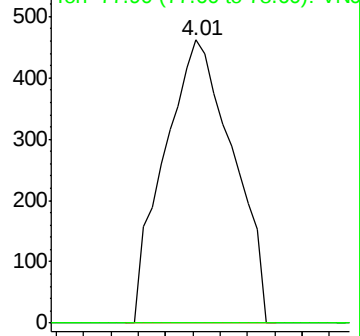
Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0



#18

Methyl Acetate

Concen: 0.291 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN063128.D

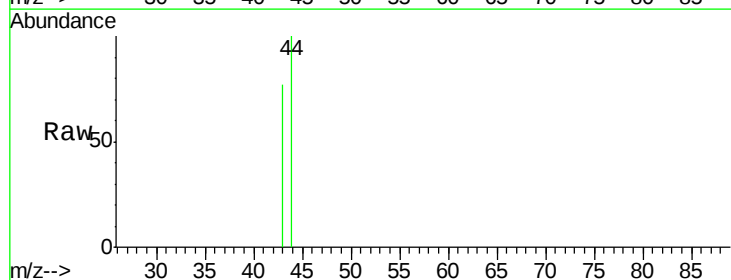
Acq: 26 Aug 2020 13:13

Tgt Ion: 43 Resp: 547

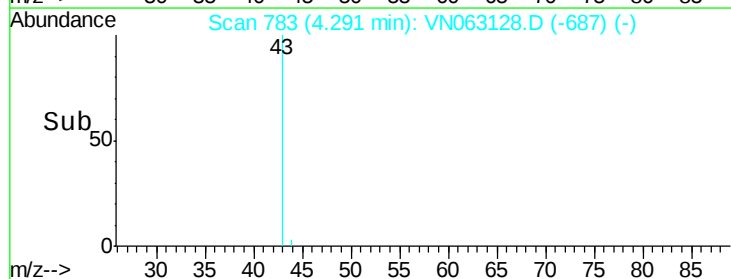
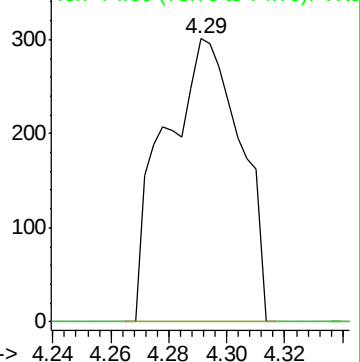
Ion Ratio Lower Upper

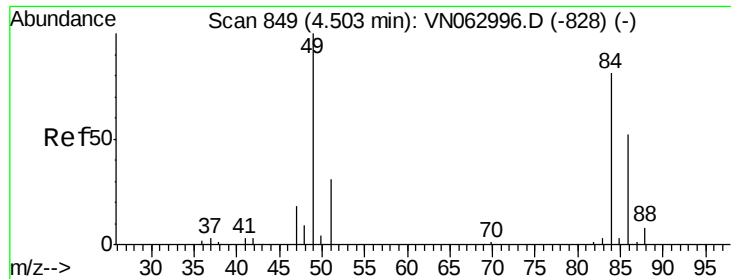
43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

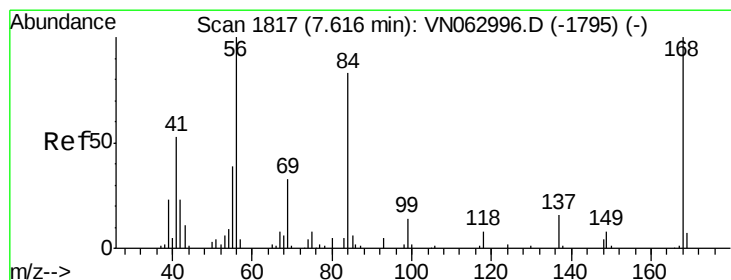
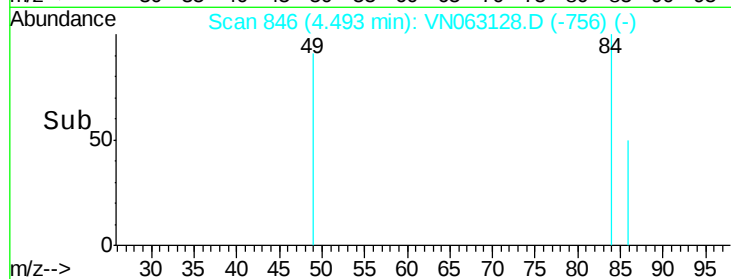
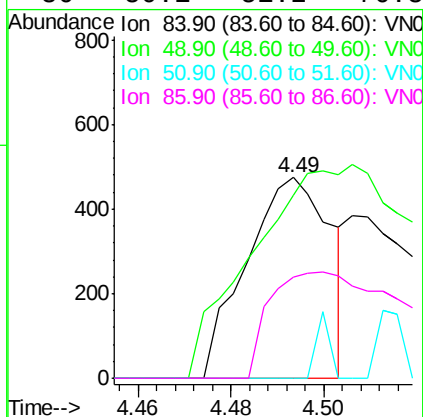
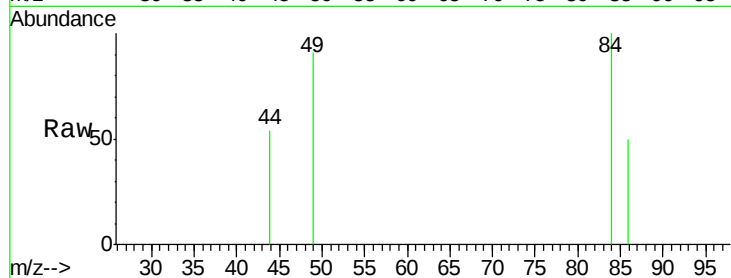




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN063128.D
Acq: 26 Aug 2020 13:13

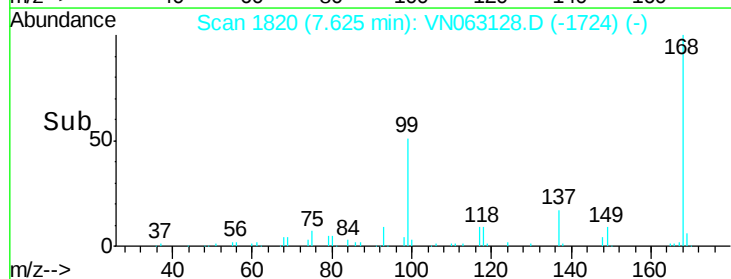
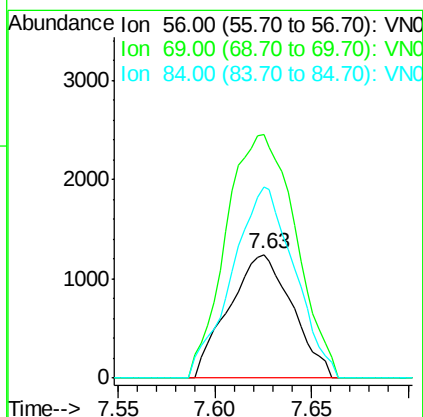
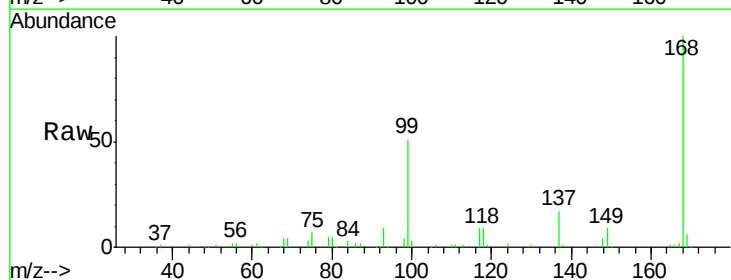
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

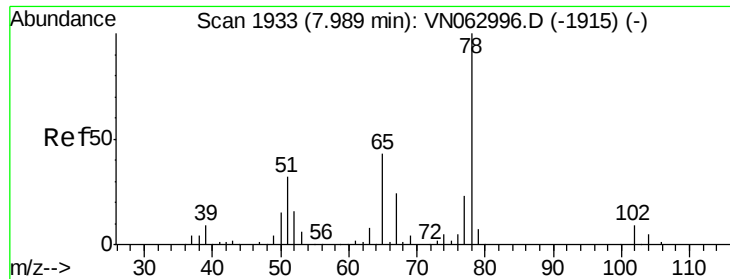
Tgt Ion: 84 Resp: 599
Ion Ratio Lower Upper
84 100
49 91.2 98.7 148.1#
51 0.0 30.8 46.2#
86 50.1 51.2 76.8#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063128.D
Acq: 26 Aug 2020 13:13

Tgt Ion: 56 Resp: 2834
Ion Ratio Lower Upper
56 100
69 197.3 26.6 40.0#
84 155.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.859 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

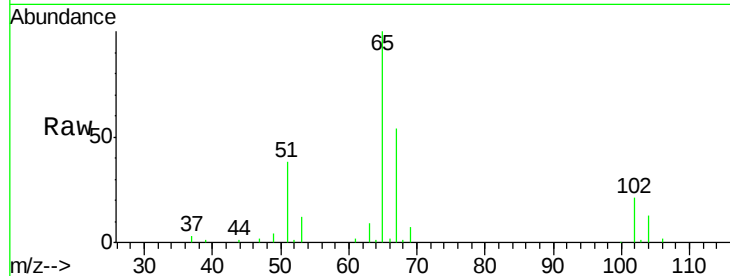
VN0826MBL01

Tgt Ion: 65 Resp: 99955

Ion Ratio Lower Upper

65 100

67 54.8 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN062996.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062996.D (-1915) (-)

7.99

40000

30000

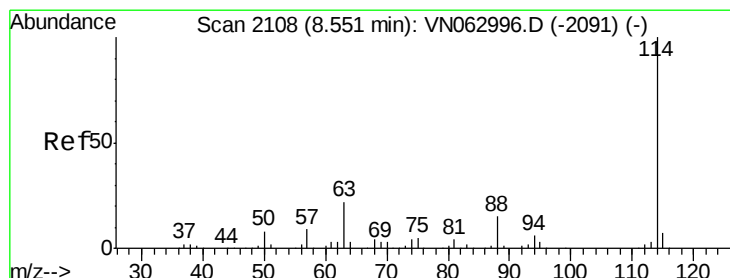
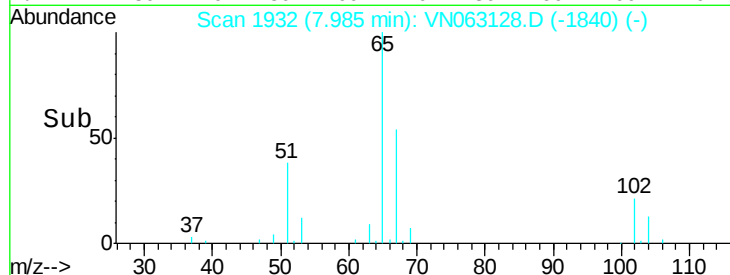
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

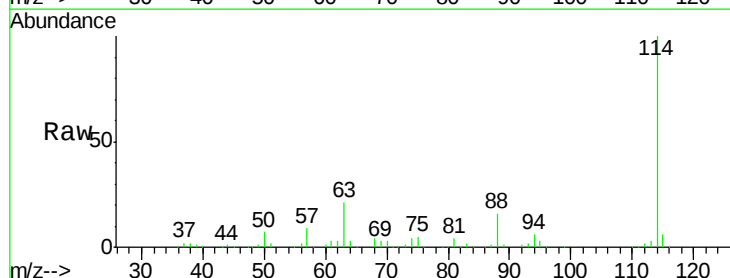
Tgt Ion: 114 Resp: 267444

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

88 16.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN062996.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062996.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062996.D (-2091) (-)

8.55

150000

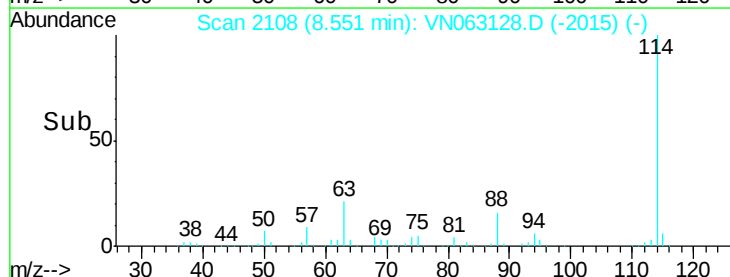
100000

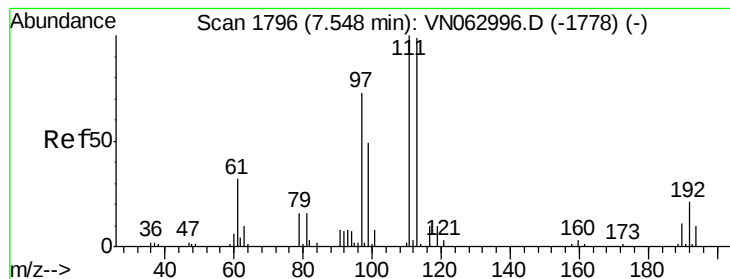
50000

0

Time-->

8.45 8.50 8.55 8.60 8.65





#35

Dibromofluoromethane

Concen: 50.079 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

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ClientSampleId :

VN0826MBL01

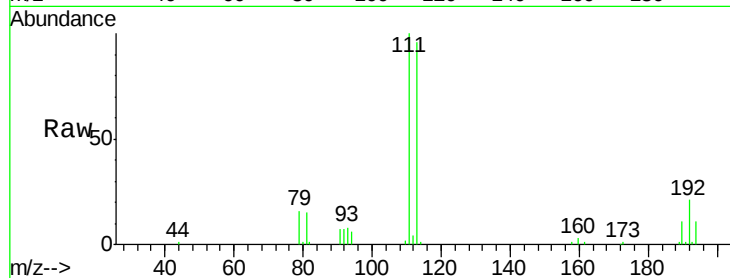
Tgt Ion:113 Resp: 87270

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

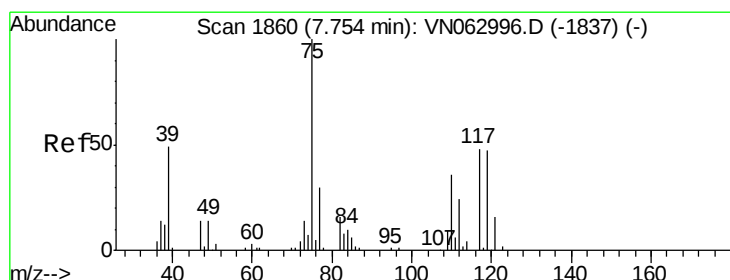
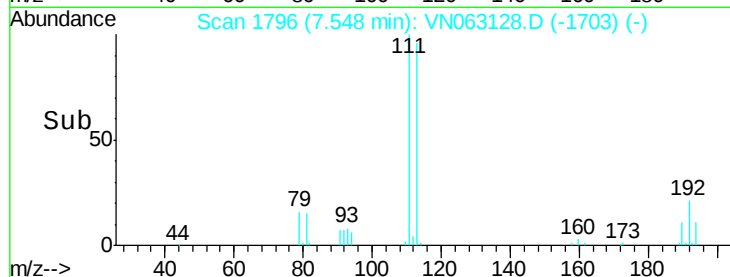
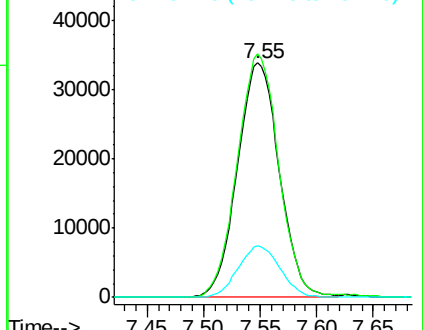
192 21.9 17.5 26.3



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: 4.658 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.13 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

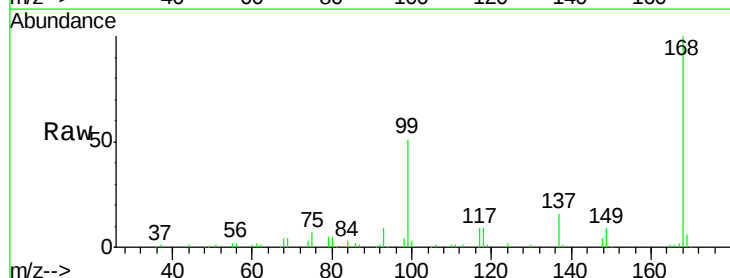
Tgt Ion: 75 Resp: 10979

Ion Ratio Lower Upper

75 100

110 7.7 17.5 52.6#

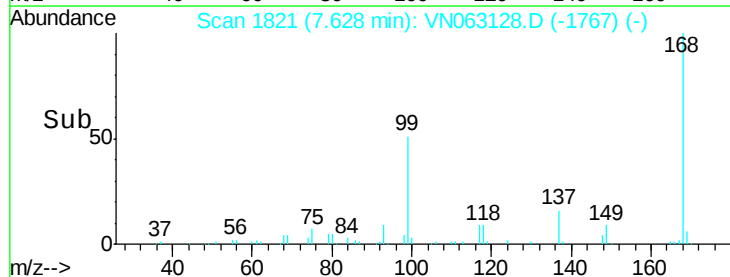
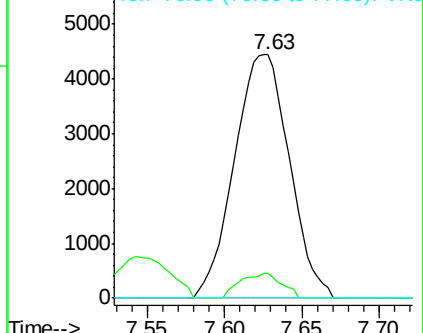
77 0.0 24.2 36.4#

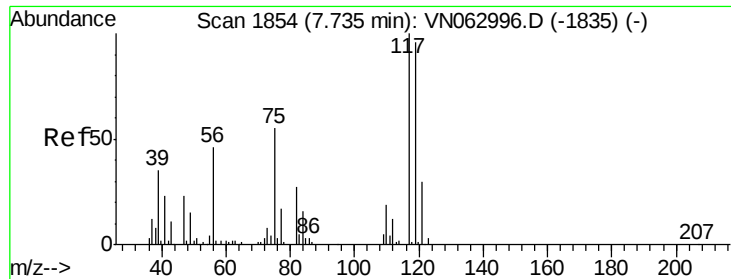


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

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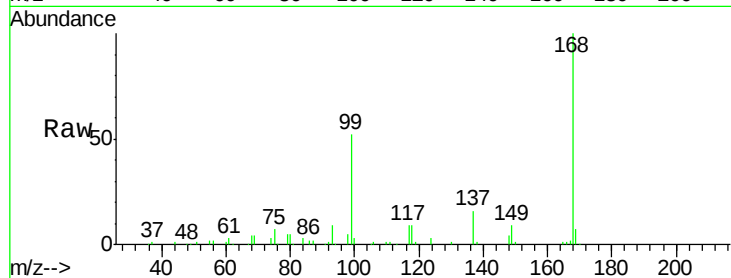
Tgt Ion:117 Resp: 13918

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

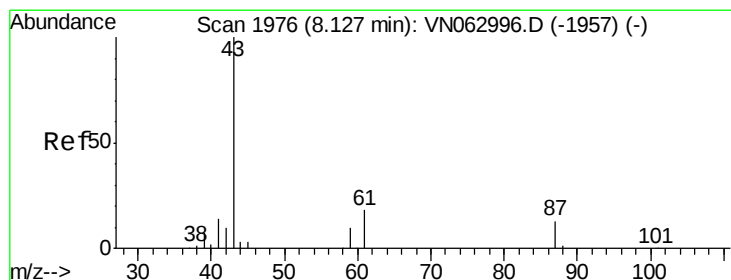
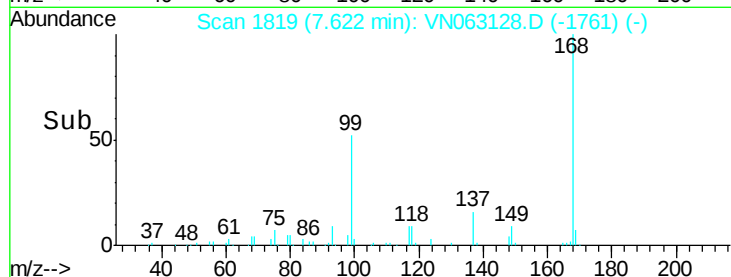
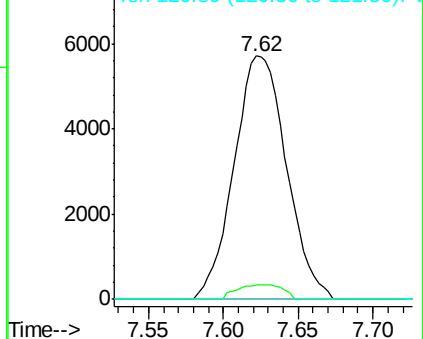
121 0.0 24.2 36.2#



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



#43

Isopropyl Acetate

Concen: 0.224 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.14 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

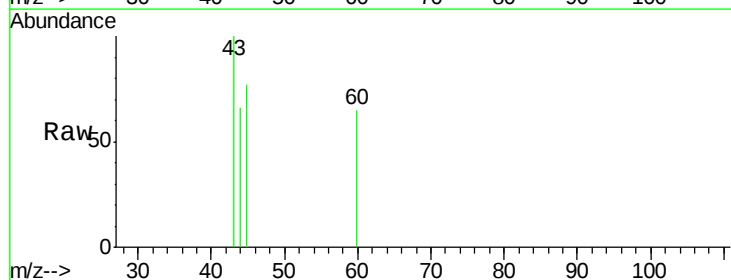
Tgt Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

61 0.0 22.6 33.8#

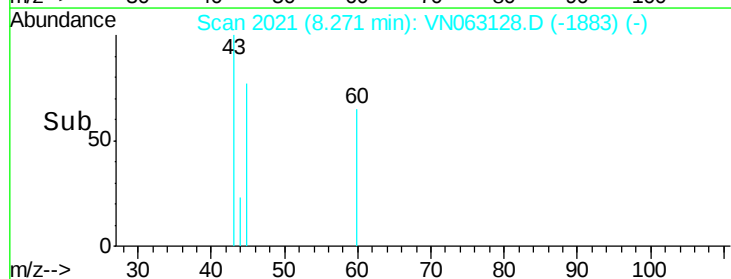
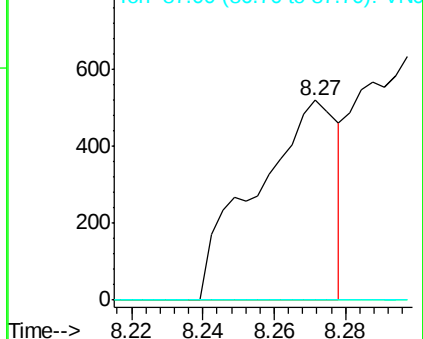
87 0.0 10.5 15.7#

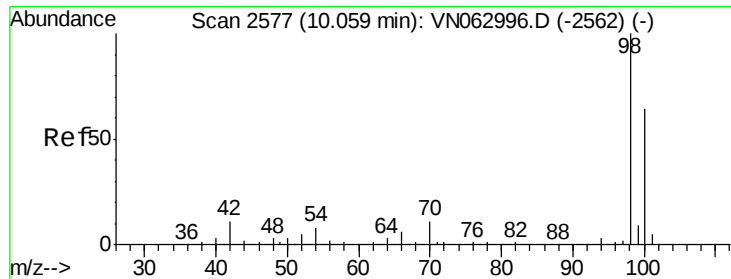


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.806 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

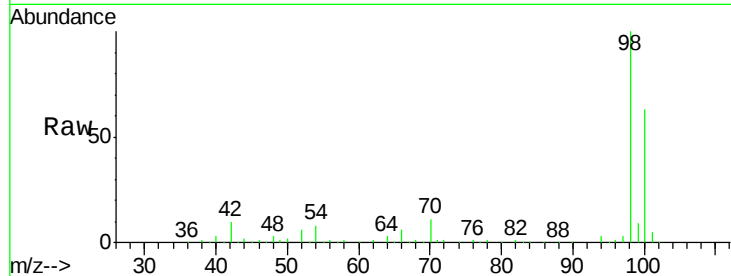
VN0826MBL01

Tgt Ion: 98 Resp: 340076

Ion Ratio Lower Upper

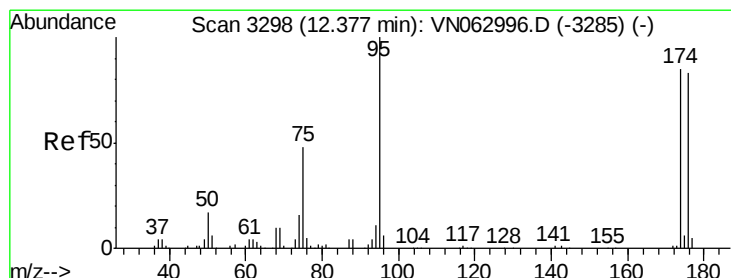
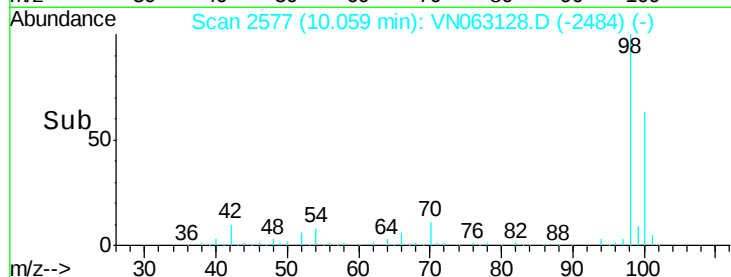
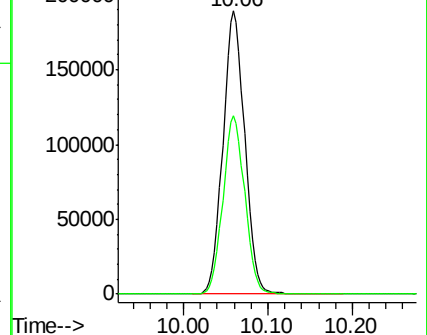
98 100

100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 50.864 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

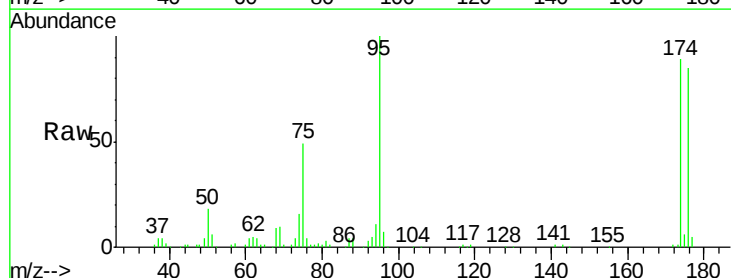
Tgt Ion: 95 Resp: 120144

Ion Ratio Lower Upper

95 100

174 86.9 0.0 170.8

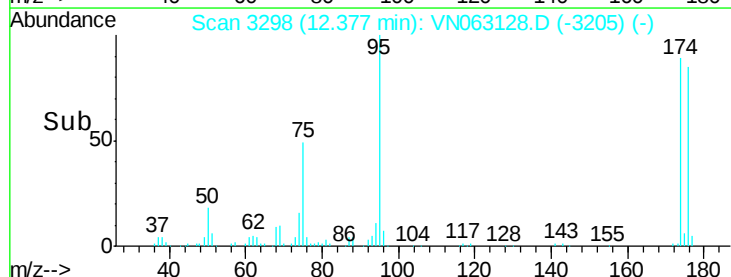
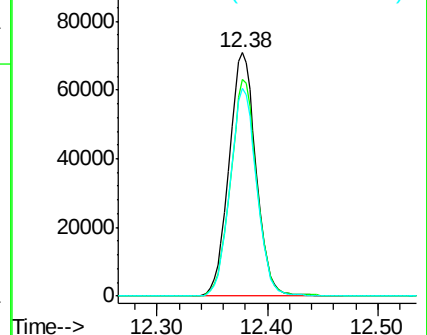
176 83.7 0.0 164.8

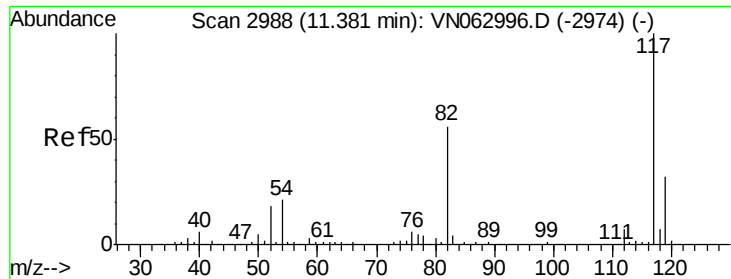


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0826MBL01

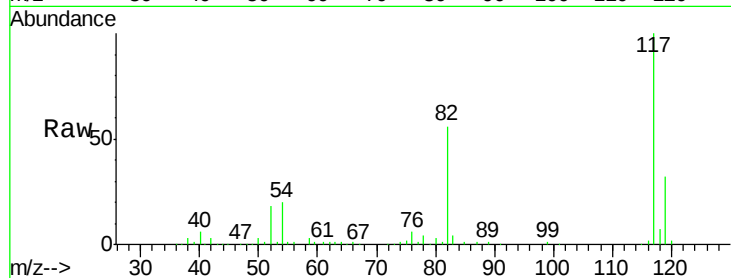
Tgt Ion:117 Resp: 268369

Ion Ratio Lower Upper

117 100

82 55.8 44.5 66.7

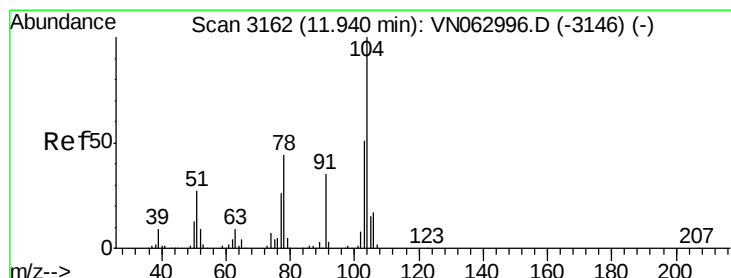
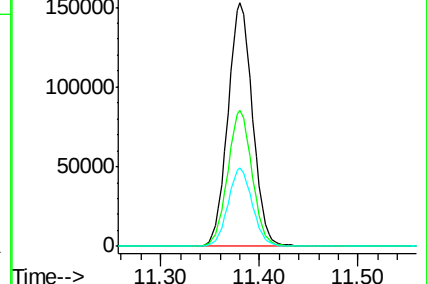
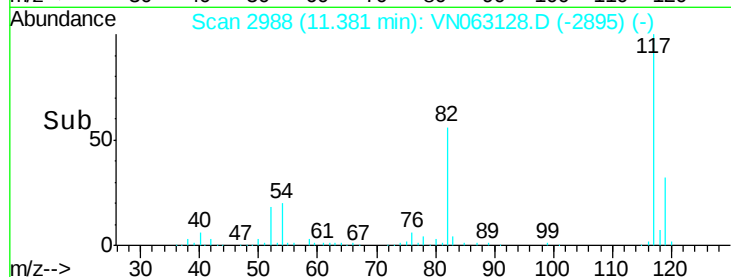
119 32.3 25.5 38.3



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



#70

Styrene

Concen: 1.937 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

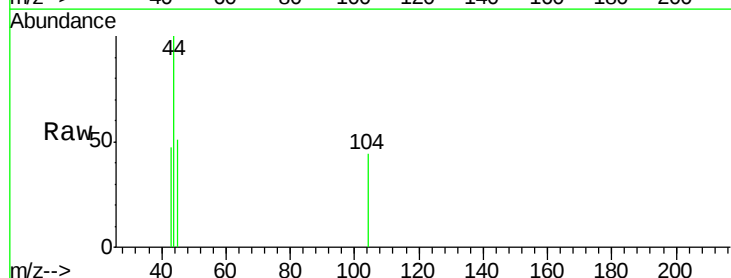
Tgt Ion:104 Resp: 89

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

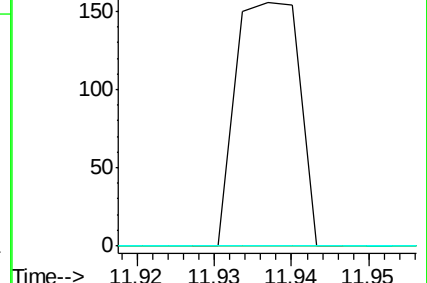
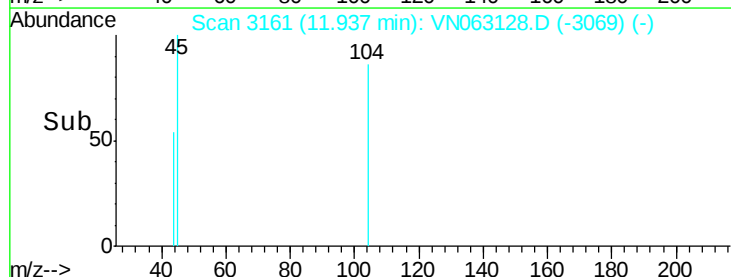
103 0.0 44.3 66.5#

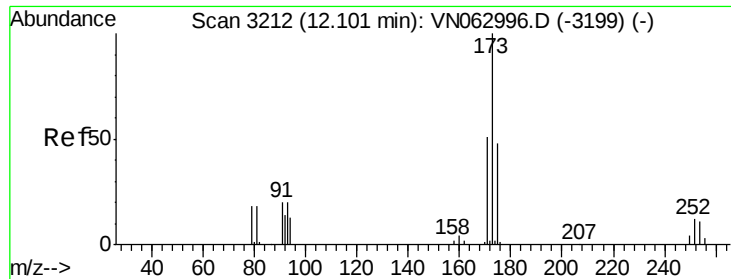


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.582 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0826MBL01

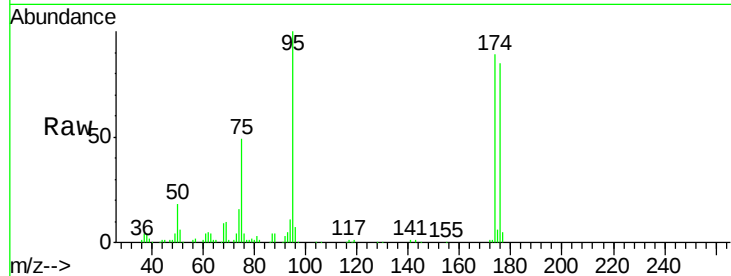
Tgt Ion:173 Resp: 972

Ion Ratio Lower Upper

173 100

175 649.9 24.3 72.8#

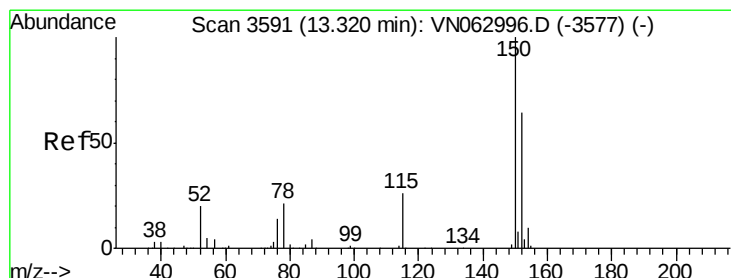
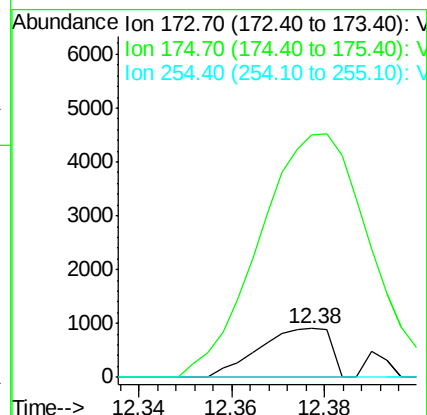
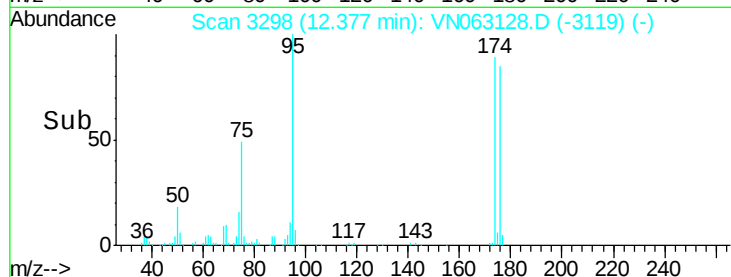
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

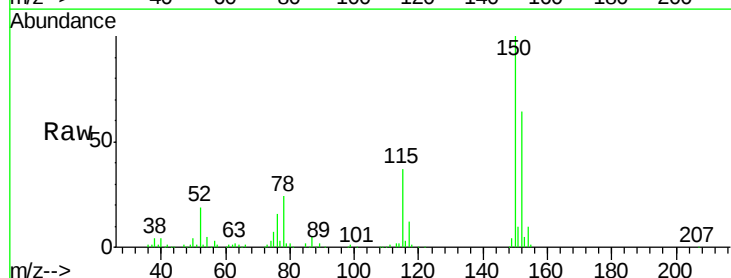
Tgt Ion:152 Resp: 119871

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.3

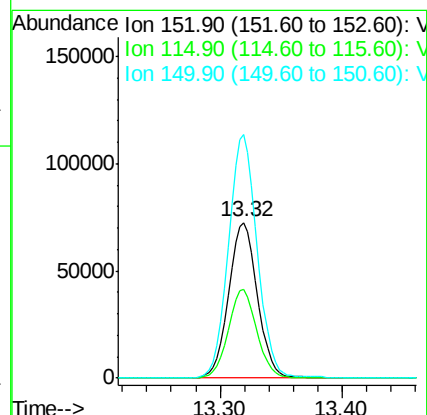
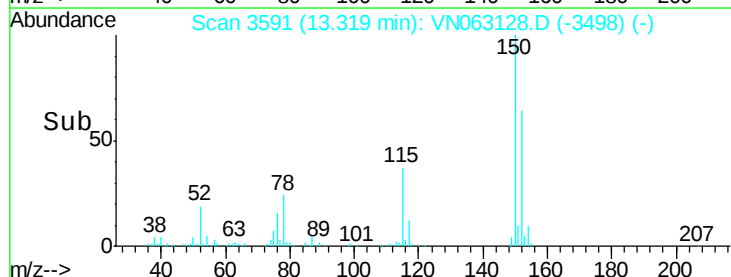
150 156.4 0.0 348.8

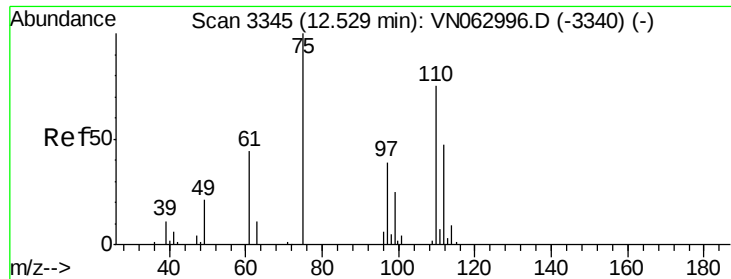


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

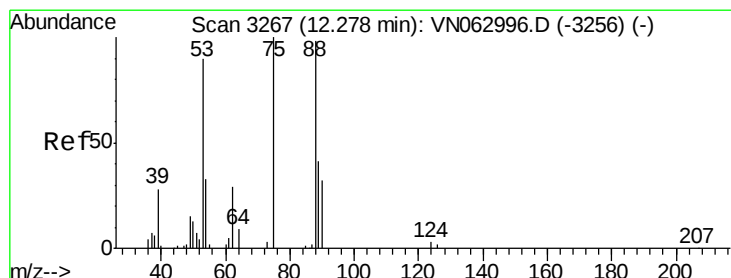
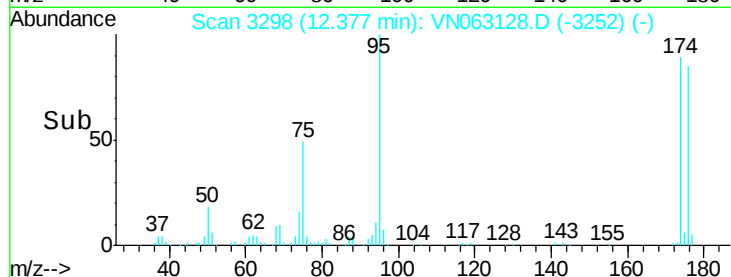
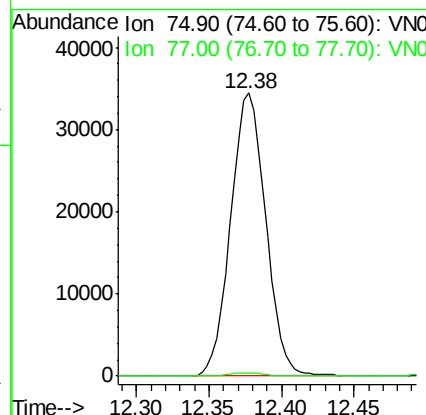
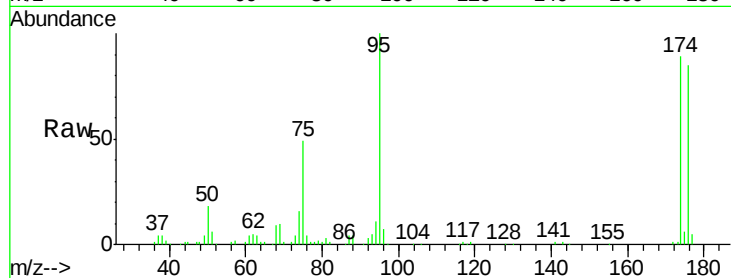




#76
 1,2,3-Trichloropropane
 Concen: 24.843 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063128.D
 Acq: 26 Aug 2020 13:13

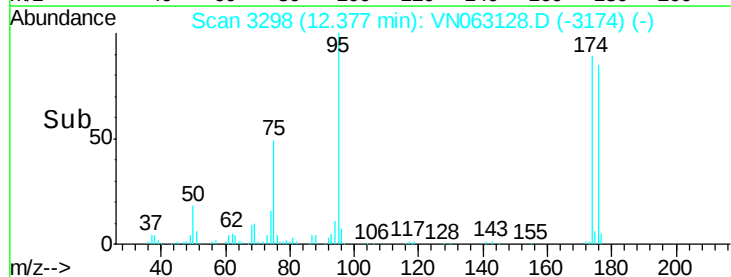
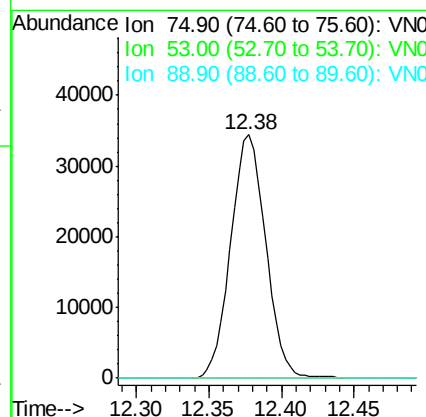
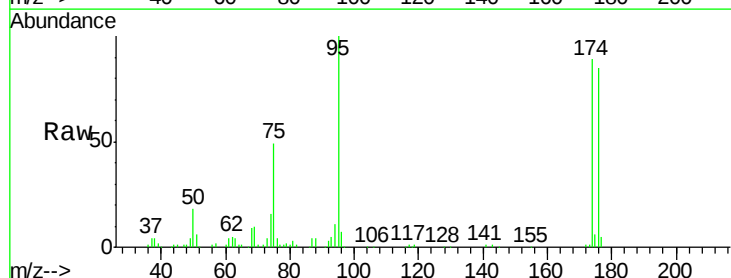
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826MBL01

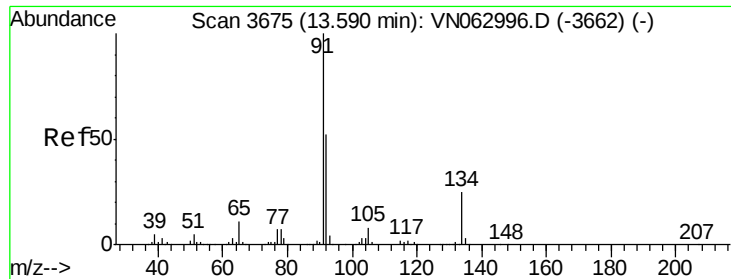
Tgt Ion: 75 Resp: 57884
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.229 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063128.D
 Acq: 26 Aug 2020 13:13

Tgt Ion: 75 Resp: 57884
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#





#89

n-Butylbenzene

Concen: 2.839 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. 0.01 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0826MBL01

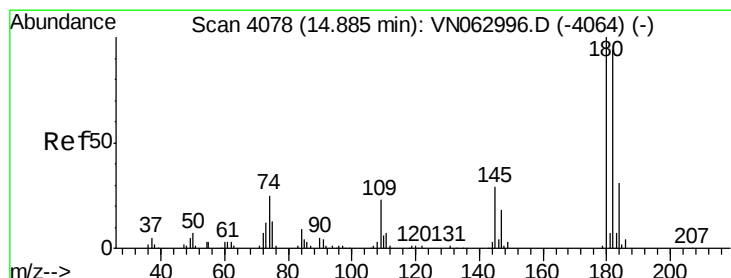
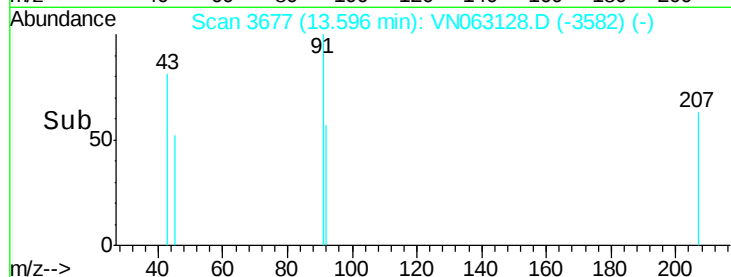
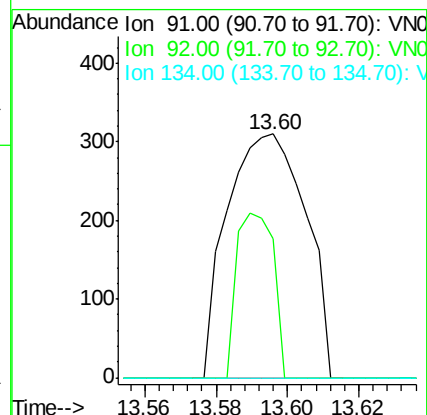
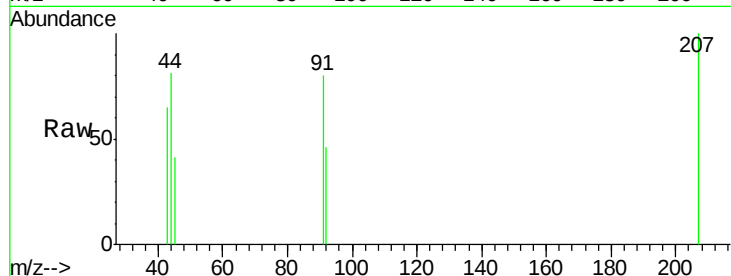
Tgt Ion: 91 Resp: 470

Ion Ratio Lower Upper

91 100

92 31.9 25.9 77.6

134 0.0 12.4 37.0#



#93

1,2,4-Trichlorobenzene

Concen: 4.816 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

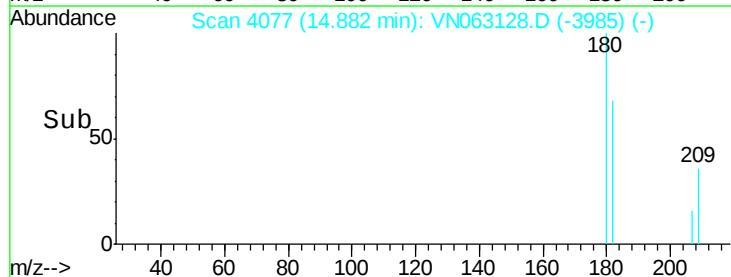
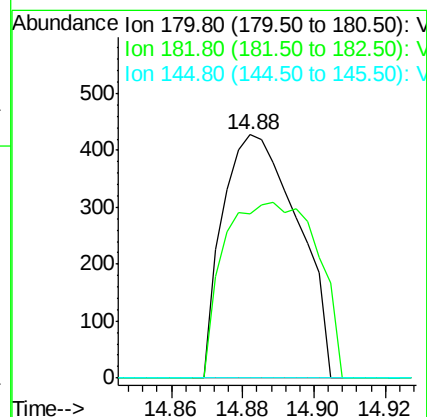
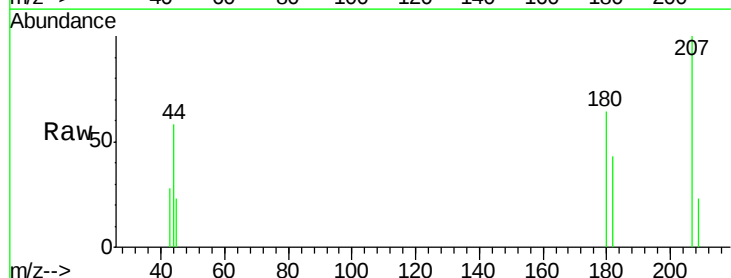
Tgt Ion: 180 Resp: 620

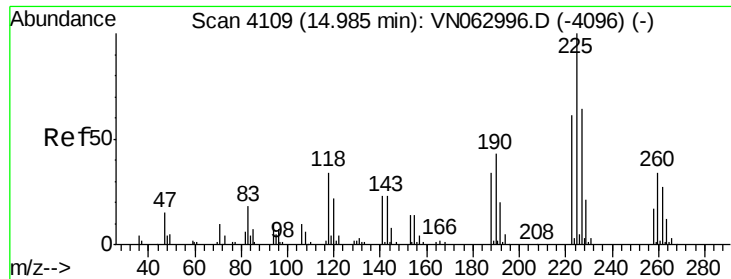
Ion Ratio Lower Upper

180 100

182 89.4 47.0 141.2

145 0.0 14.1 42.4#





#94

Hexachlorobutadiene

Concen: 0.225 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VN063128.D

Acq: 26 Aug 2020 13:13

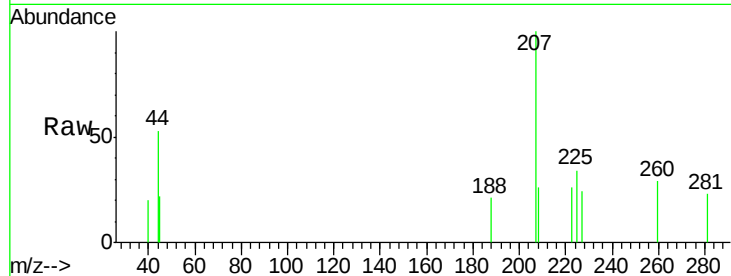
Instrument :

MSVOA_N

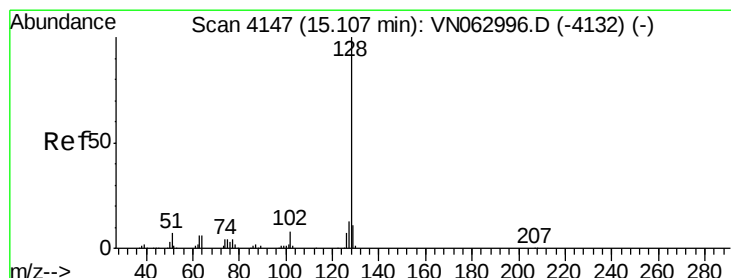
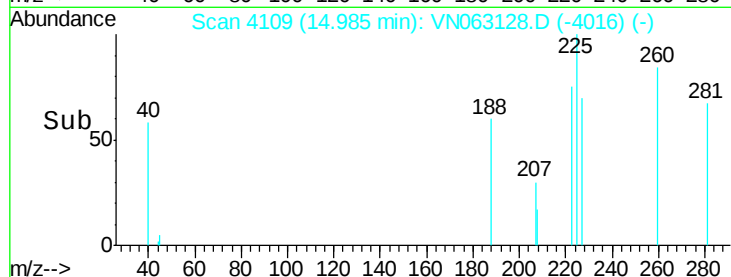
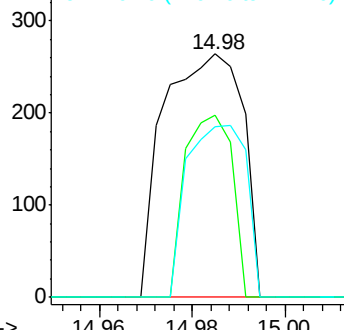
ClientSampleId :

VN0826MBL01

Tgt Ion:	225	Resp:	312
Ion	Ratio	Lower	Upper
225	100		
223	44.2	30.9	92.5
227	52.9	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 6.006 ug/l

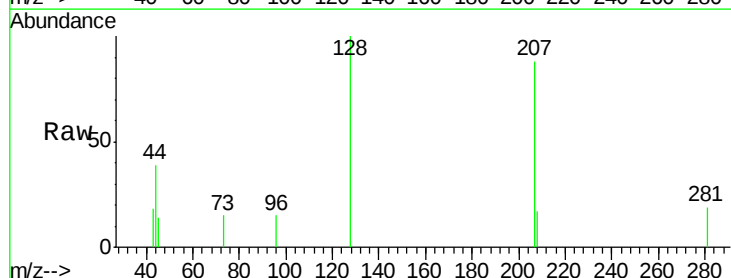
RT: 15.11 min Scan# 4148

Delta R.T. 0.00 min

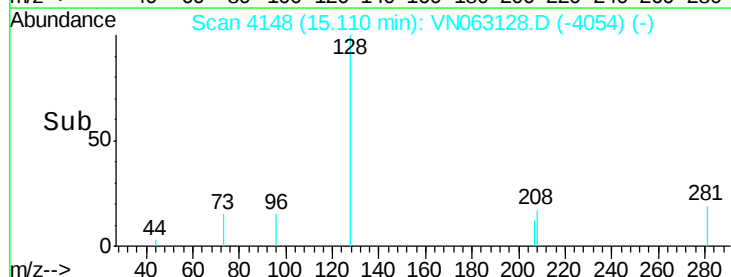
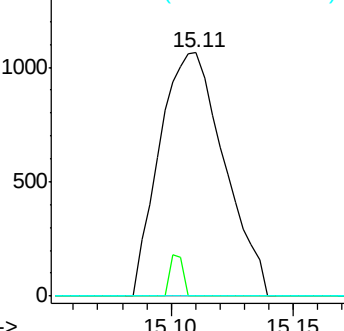
Lab File: VN063128.D

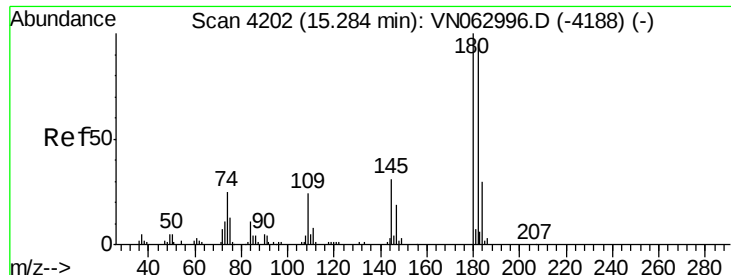
Acq: 26 Aug 2020 13:13

Tgt Ion:	128	Resp:	1959
Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.6	16.0#
129	0.0	8.9	13.3#



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: 4.321 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN063128.D
 Acq: 26 Aug 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826MBL01

Tgt Ion:180 Resp: 786
 Ion Ratio Lower Upper
 180 100
 182 108.5 47.3 141.9
 145 0.0 15.6 46.7#

