

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063771.D
 Acq On : 1 Oct 2020 14:58
 Operator : JC/MD
 Sample : L4168-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 02 02:14:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	220706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	404811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	407689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172142	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	185410	50.85	ug/l	0.00
Spiked Amount						
						Recovery = 101.70%
35) Dibromofluoromethane	7.55	113	132921	47.32	ug/l	0.00
Spiked Amount						
						Recovery = 94.64%
50) Toluene-d8	10.06	98	509476	47.85	ug/l	0.00
Spiked Amount						
						Recovery = 95.70%
62) 4-Bromofluorobenzene	12.38	95	206795	51.66	ug/l	0.00
Spiked Amount						
						Recovery = 103.32%

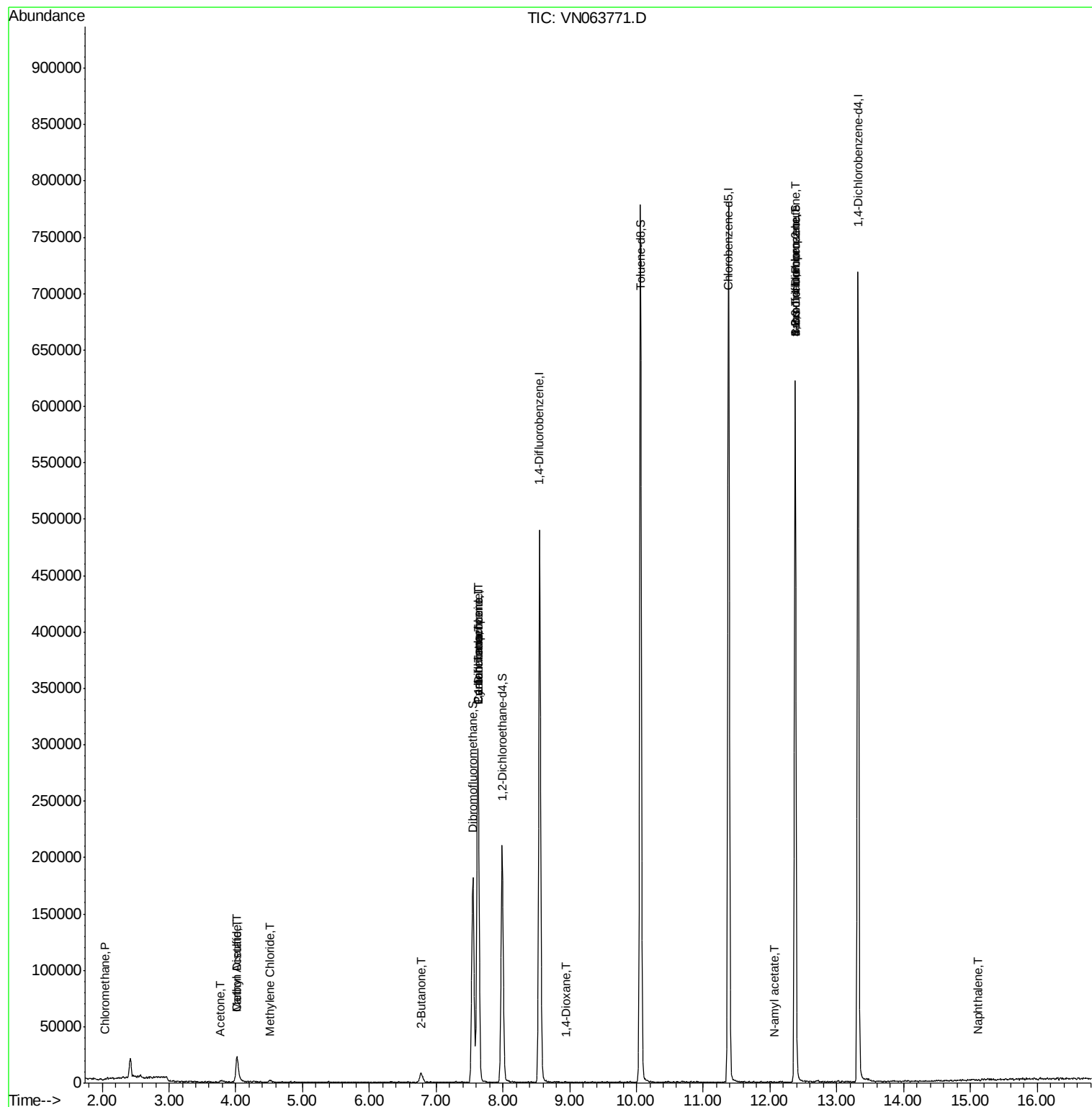
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	698	0.255	ug/l #	42
16) Acetone	3.77	43	778	0.693	ug/l #	83
17) Carbon Disulfide	4.01	76	229	0.738	ug/l #	76
18) Methyl Acetate	4.02	43	10753	3.690	ug/l #	54
20) Methylene Chloride	4.50	84	461	0.277	ug/l #	77
25) 2-Butanone	6.78	43	325	0.204	ug/l #	51
31) Cyclohexane	7.63	56	6093	1.439	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	20311	4.953	ug/l #	51
38) Carbon Tetrachloride	7.63	117	25115	5.461	ug/l #	14
49) 1,4-Dioxane	8.94	88	108	2.289	ug/l #	33
71) Bromoform	12.37	173	584	0.238	ug/l #	1
74) N-amyl acetate	12.06	43	314	2.267	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	118116	31.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118116	89.650	ug/l #	6
95) Naphthalene	15.12	128	326	1.958	ug/l #	69

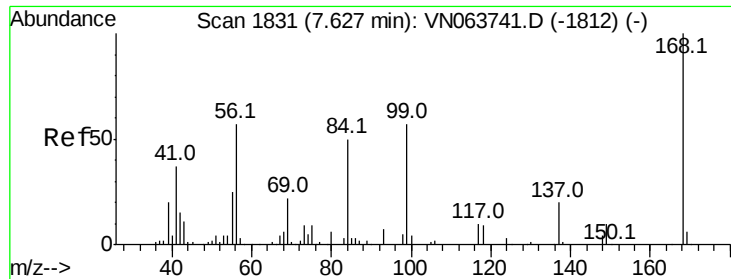
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

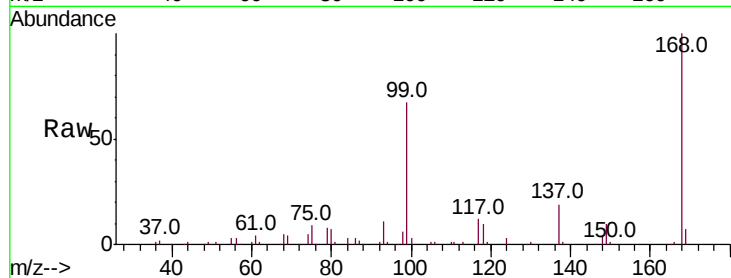
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 220706

Ion Ratio Lower Upper

168 100

99 66.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

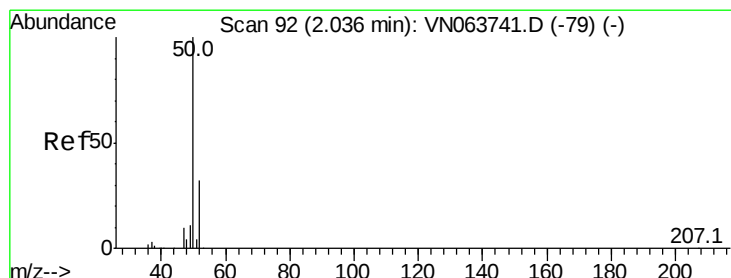
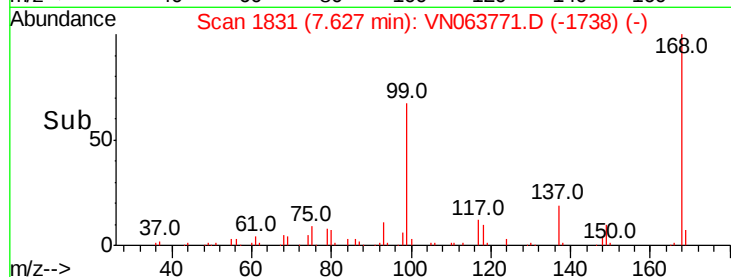
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.255 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063771.D

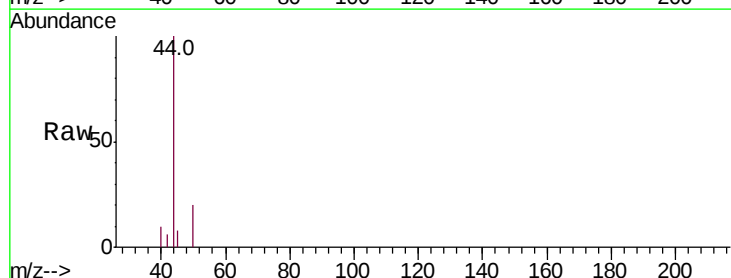
Acq: 1 Oct 2020 14:58

Tgt Ion: 50 Resp: 698

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

600

500

400

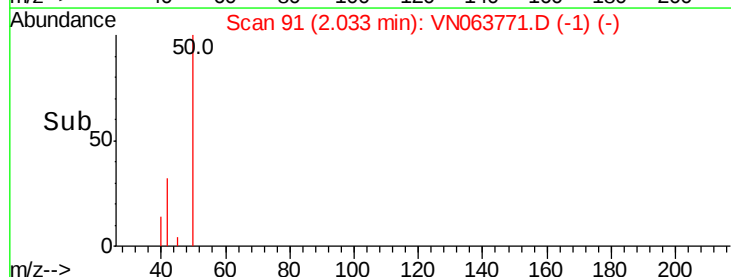
300

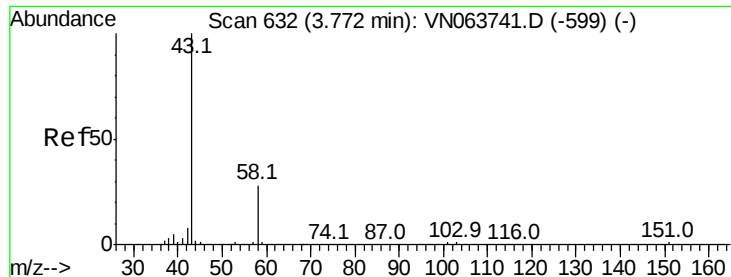
200

100

0

Time-->





#16

Acetone

Concen: 0.693 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

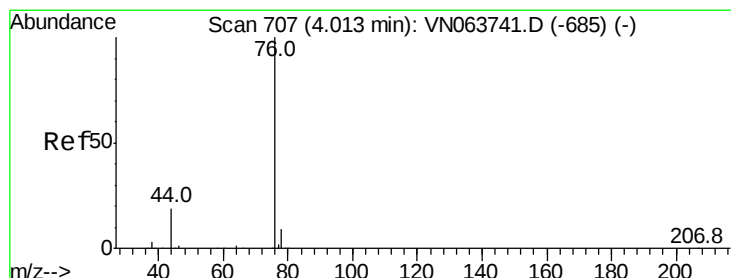
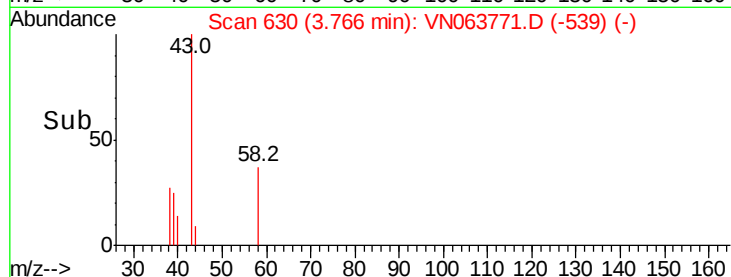
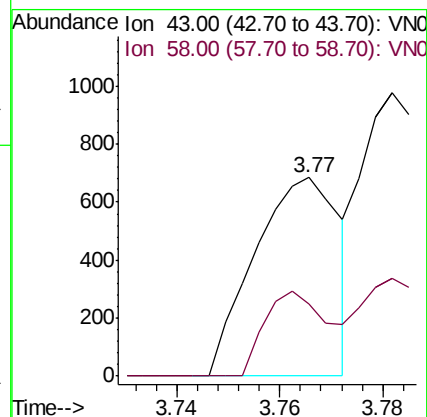
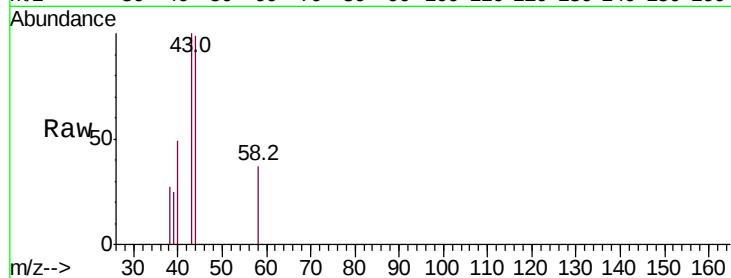
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

58 36.6 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.738 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063771.D

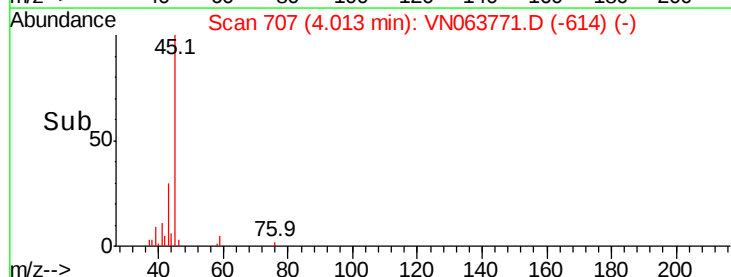
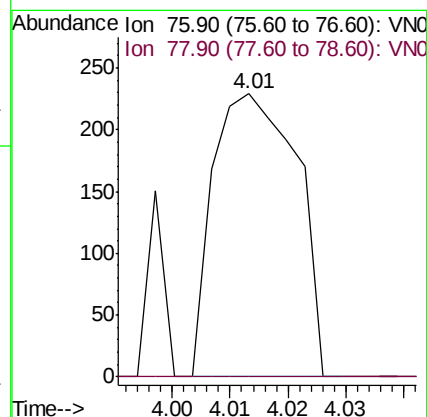
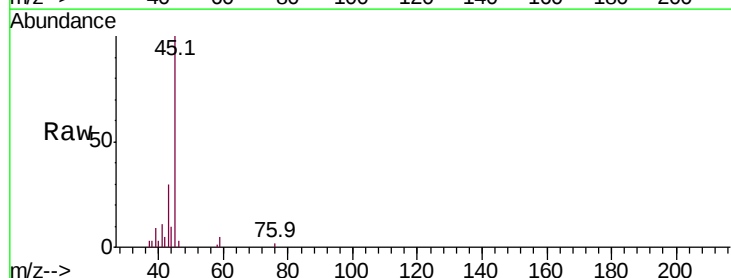
Acq: 1 Oct 2020 14:58

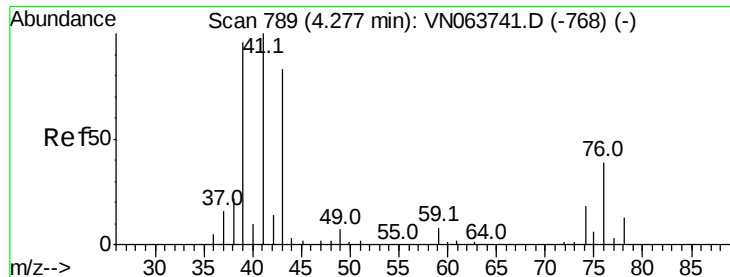
Tgt Ion: 76 Resp: 229

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

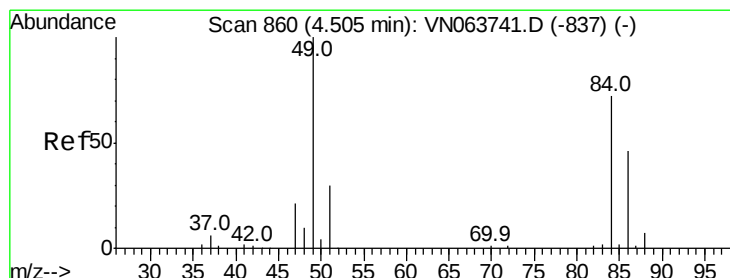
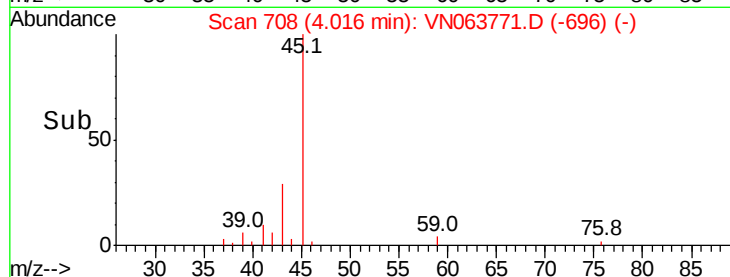
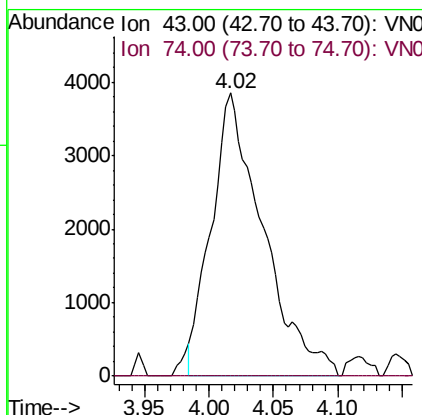
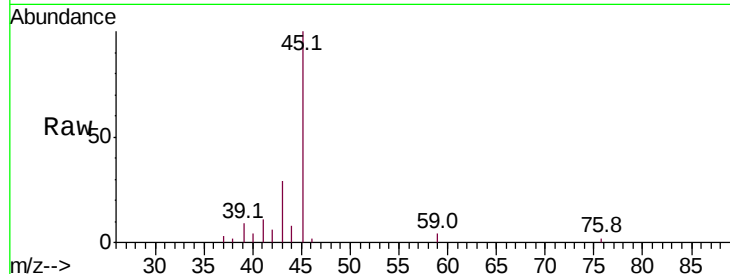




#18
Methyl Acetate
Concen: 3.690 ug/l
RT: 4.02 min Scan# 708
Delta R.T. -0.26 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

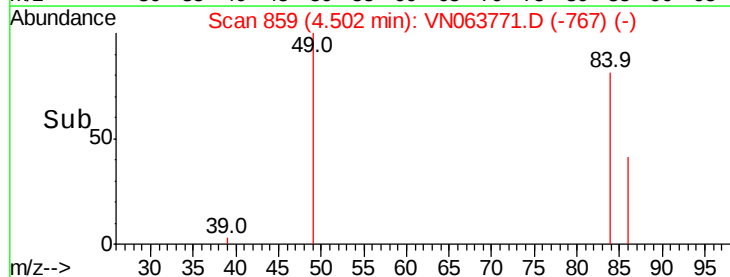
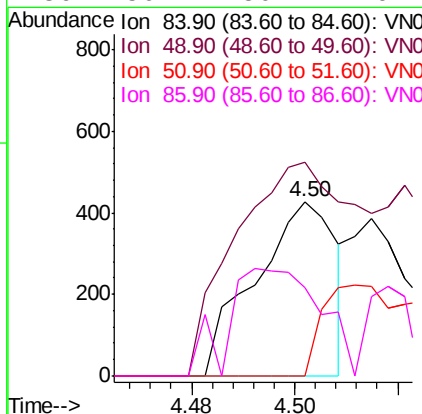
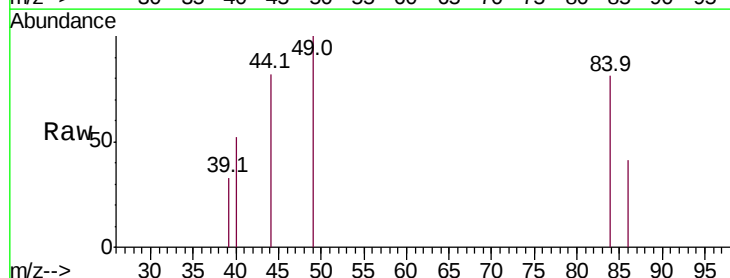
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

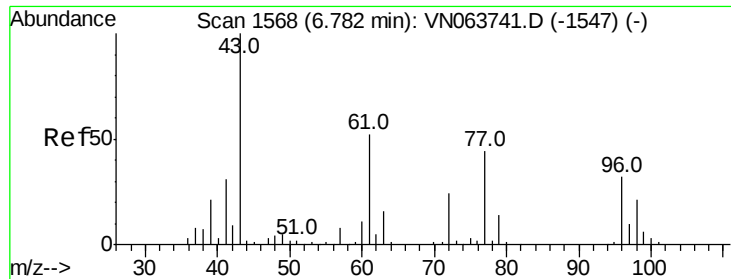
Tot Ion: 43 Resp: 10753
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Tgt Ion: 84 Resp: 461
Ion Ratio Lower Upper
84 100
49 122.7 110.4 165.6
51 0.0 33.3 49.9#
86 50.4 50.7 76.1#

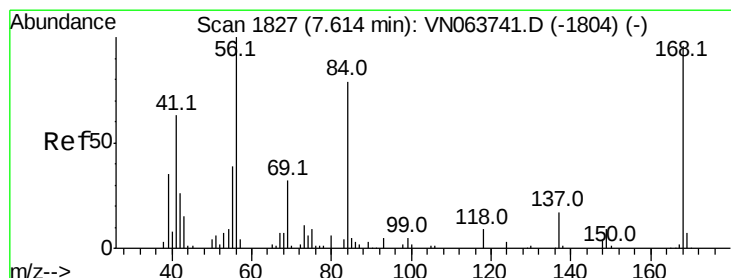
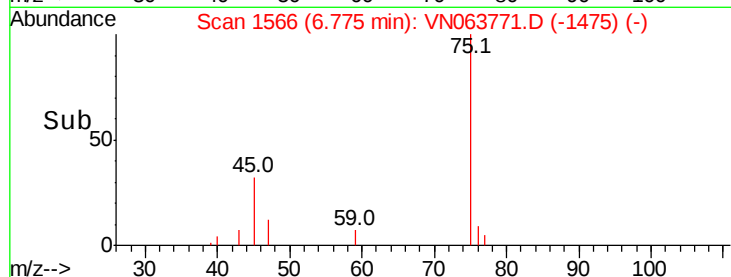
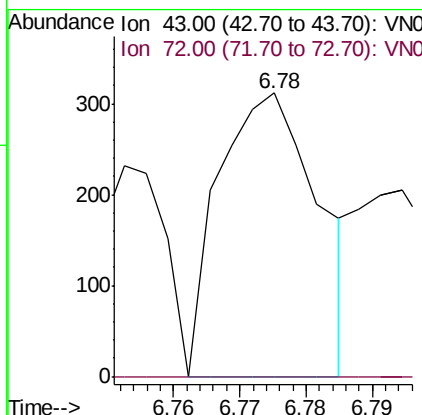
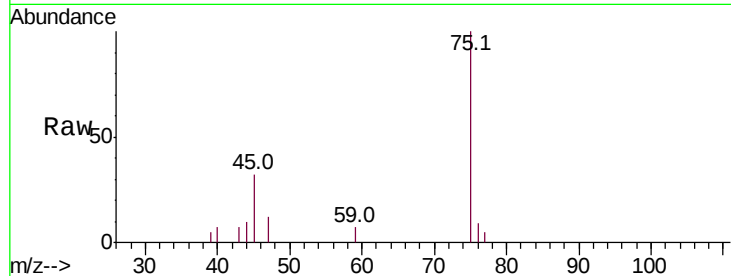




#25
2-Butanone
Concen: 0.204 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

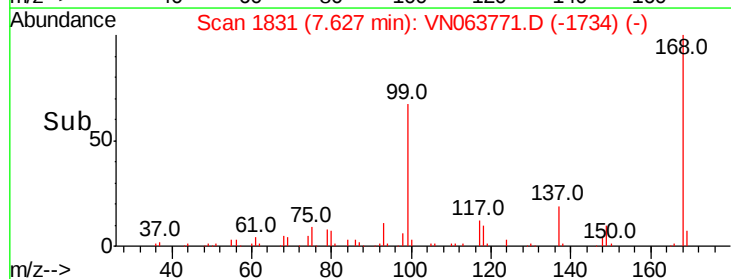
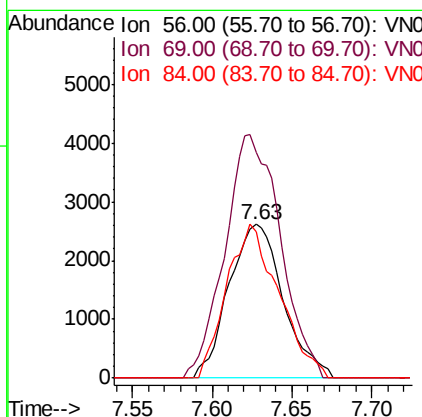
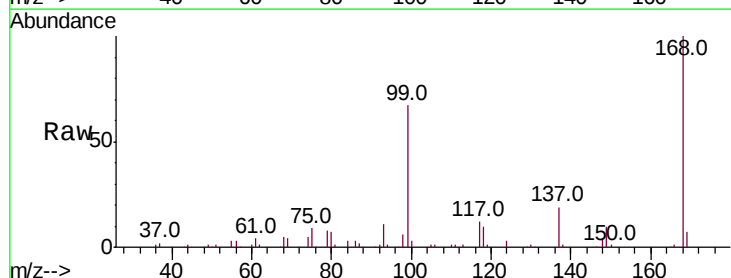
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

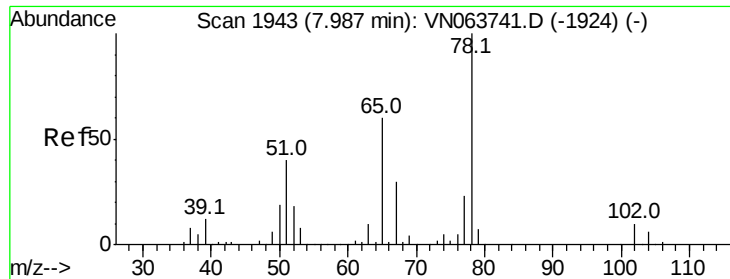
Tot Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Tgt Ion: 56 Resp: 6093
Ion Ratio Lower Upper
56 100
69 146.8 25.4 38.2#
84 95.4 63.3 94.9#

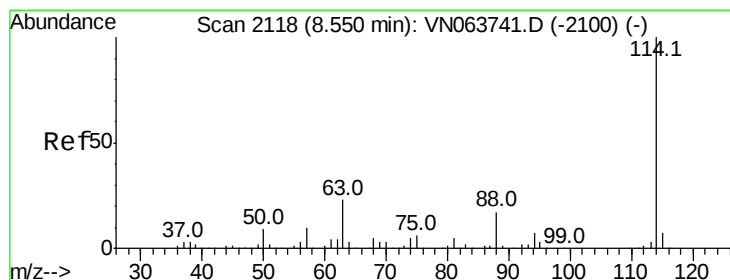
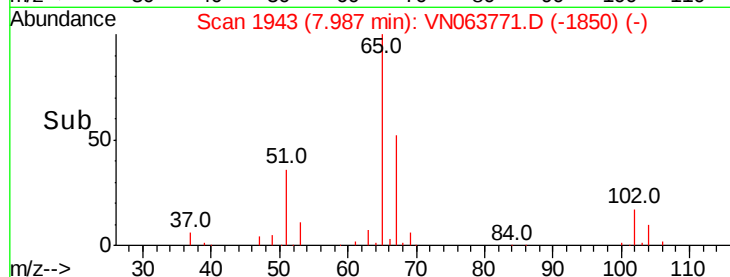
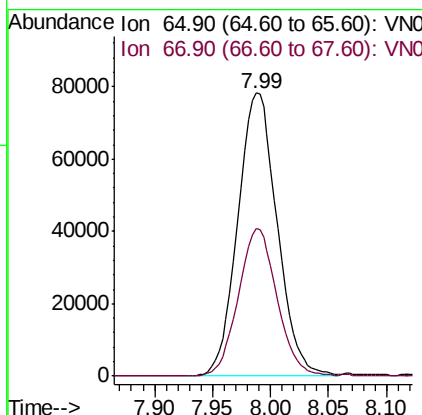
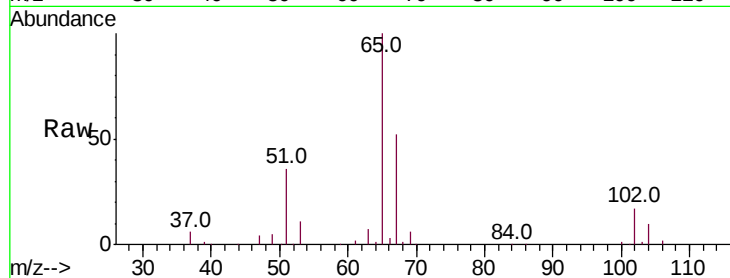




#33
 1,2-Dichloroethane-d4
 Concen: 50.850 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063771.D
 Acq: 1 Oct 2020 14:58

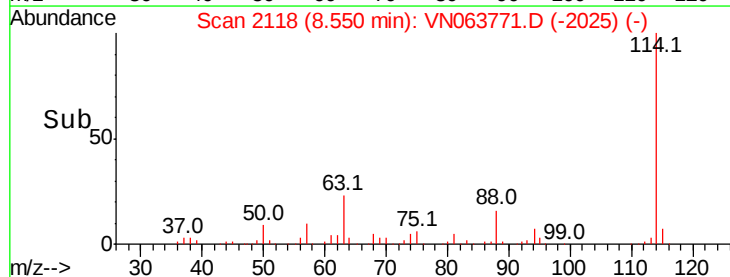
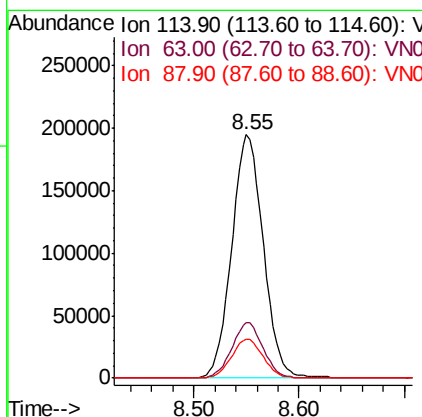
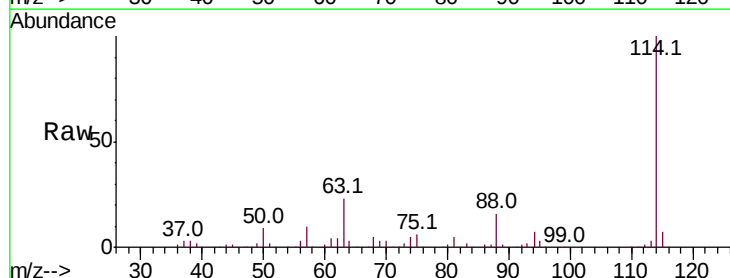
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 STORAGE-BLANK-WATER-REF-4

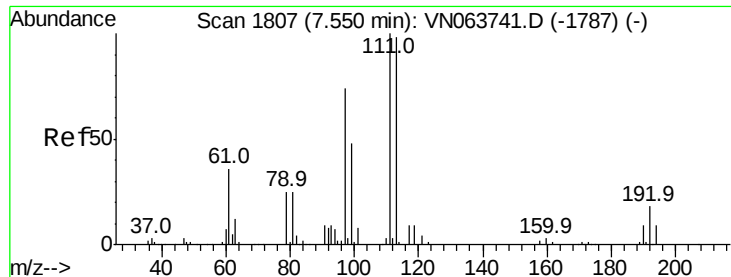
Tot Ion: 65 Resp: 185410
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063771.D
 Acq: 1 Oct 2020 14:58

Tgt Ion: 114 Resp: 404811
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.2 0.0 34.0

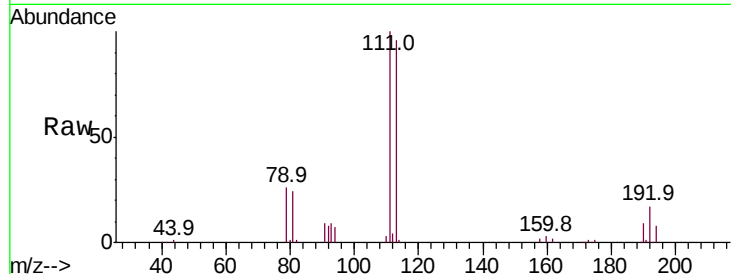




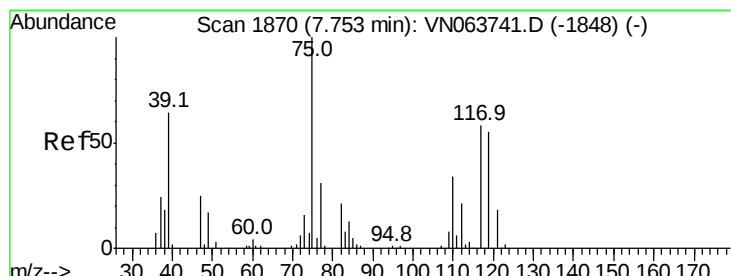
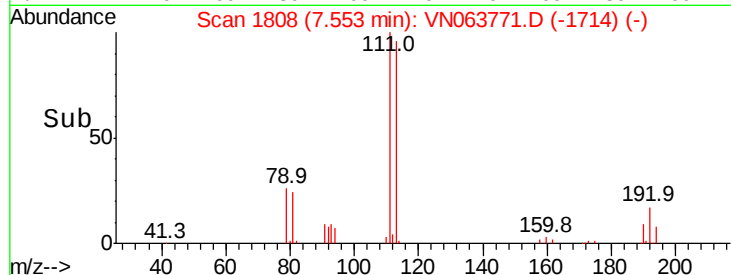
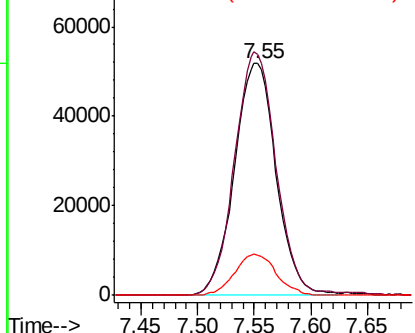
#35
Dibromofluoromethane
Concen: 47.322 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:113 Resp: 132921
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.8
192 17.6 14.2 21.2

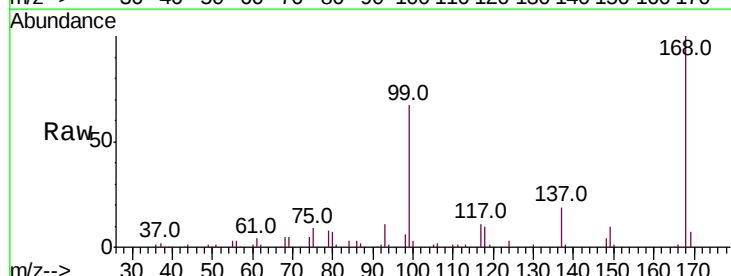


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

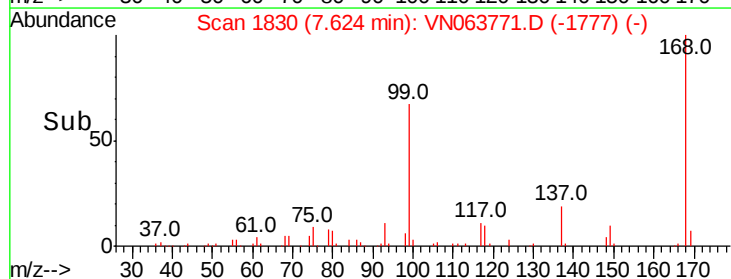
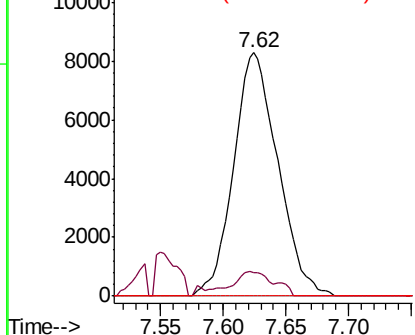


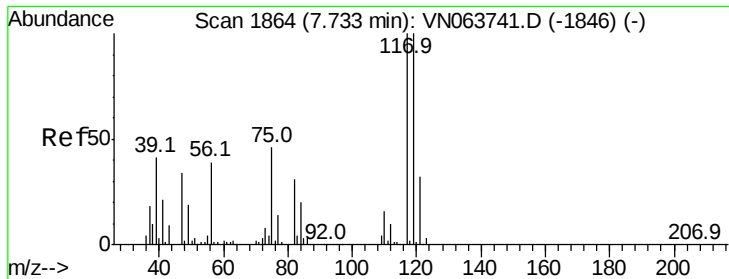
#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Tgt Ion: 75 Resp: 20311
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.6#
77 0.0 24.5 36.7#



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: 5.461 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

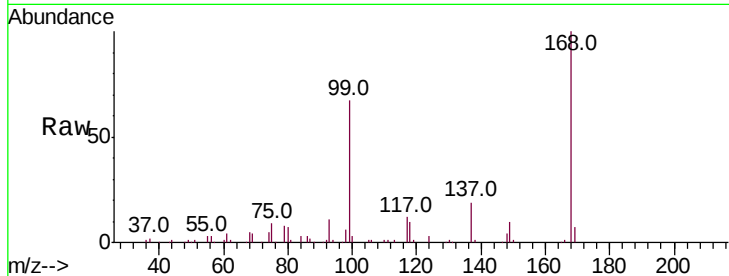
Tot Ion:117 Resp: 25115

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

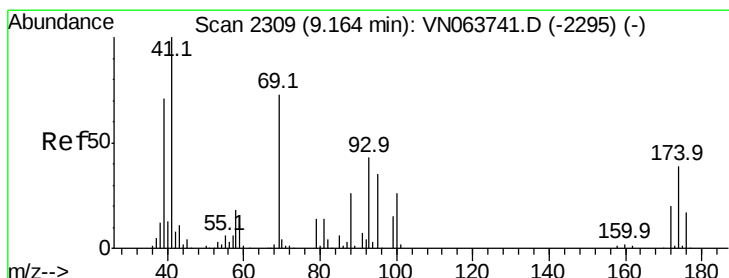
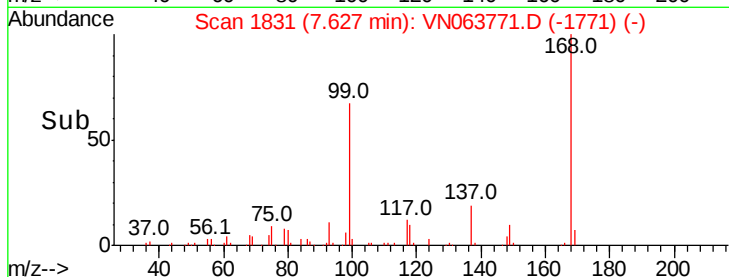
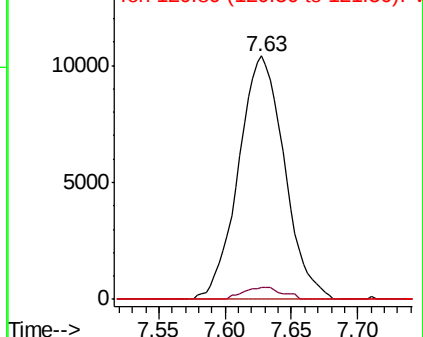
121 0.0 25.7 38.5#



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



#49

1,4-Dioxane

Concen: 2.289 ug/l

RT: 8.94 min Scan# 2240

Delta R.T. -0.22 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

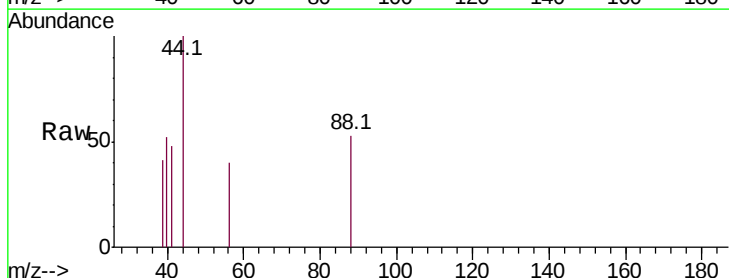
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 61.1 33.1 49.7#

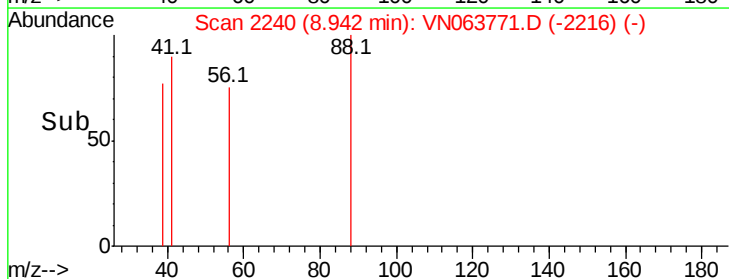
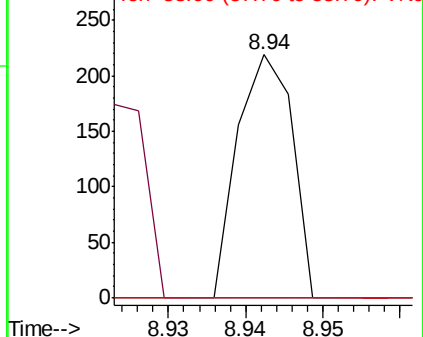
58 0.0 58.9 88.3#

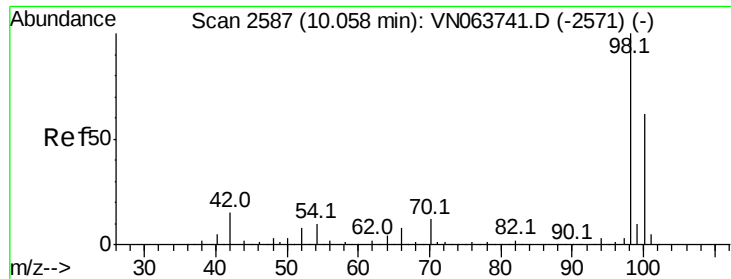


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 47.846 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

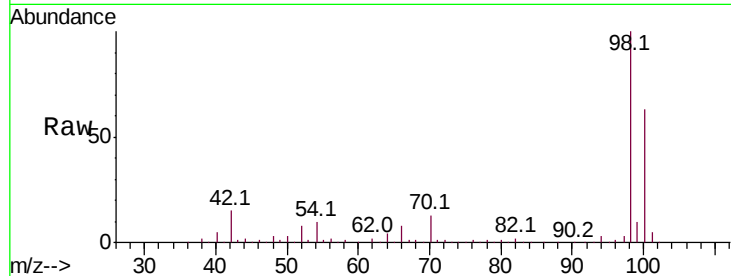
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 509476

Ion Ratio Lower Upper

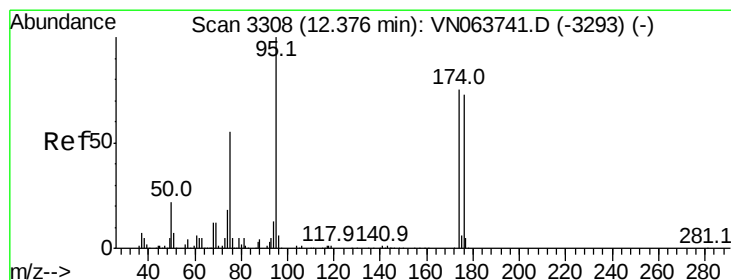
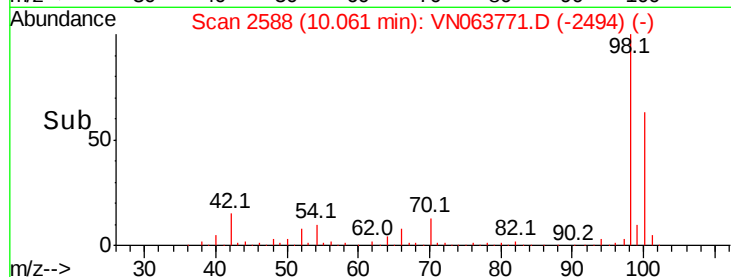
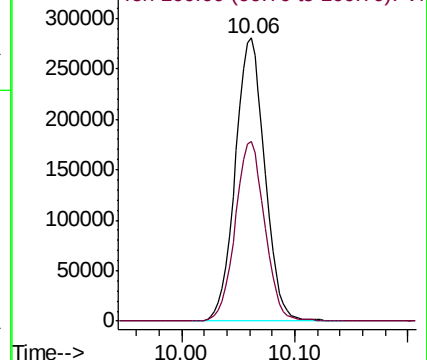
98 100

100 63.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 51.663 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

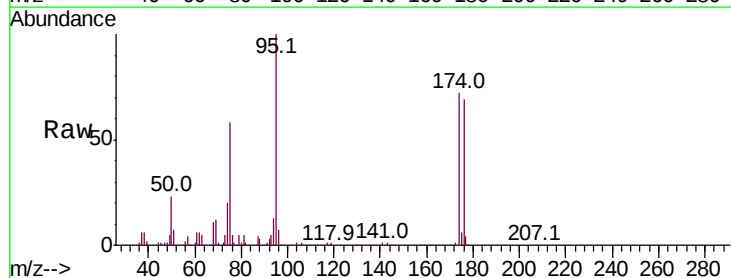
Tgt Ion: 95 Resp: 206795

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.6

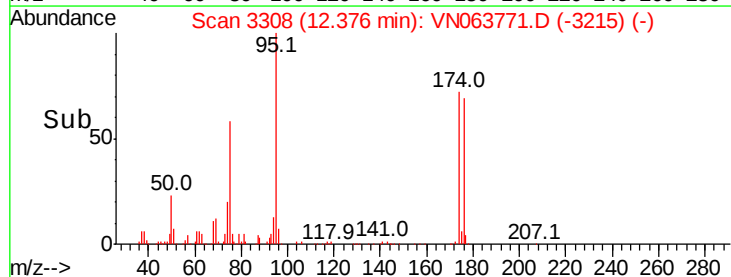
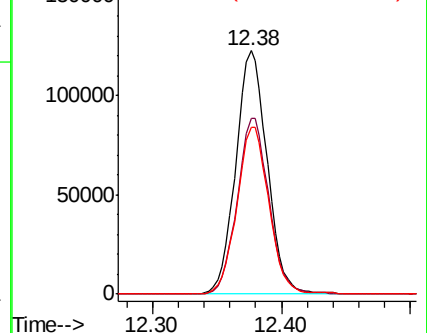
176 69.7 0.0 145.4

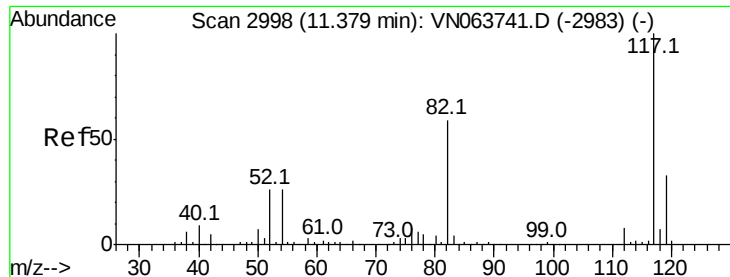


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

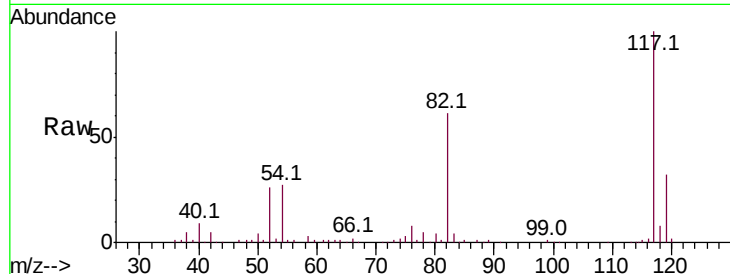




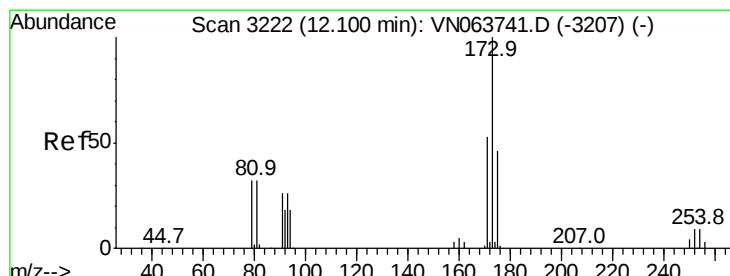
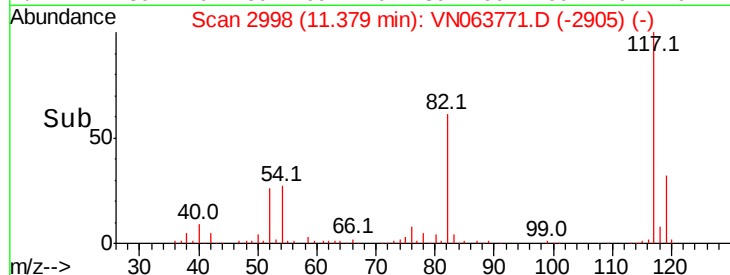
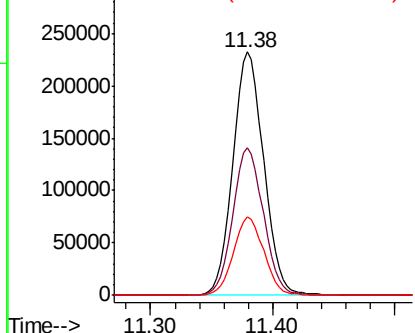
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 407689
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.1 26.4 39.6

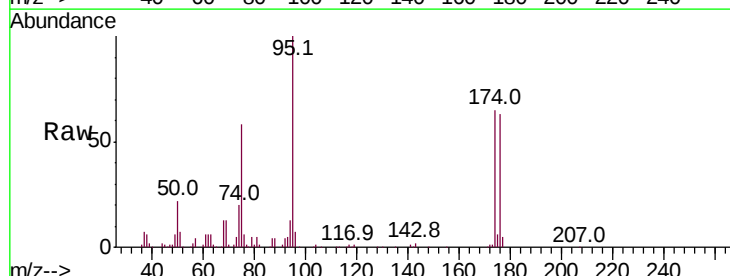


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

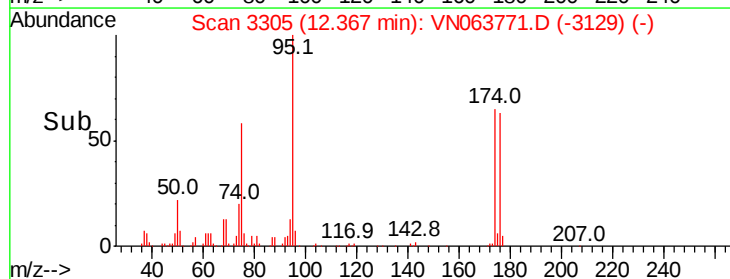
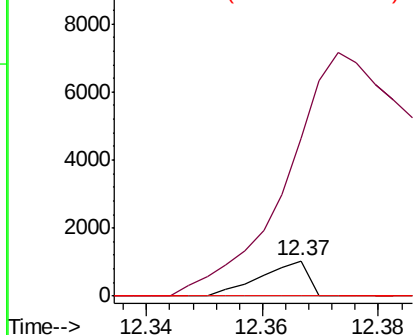


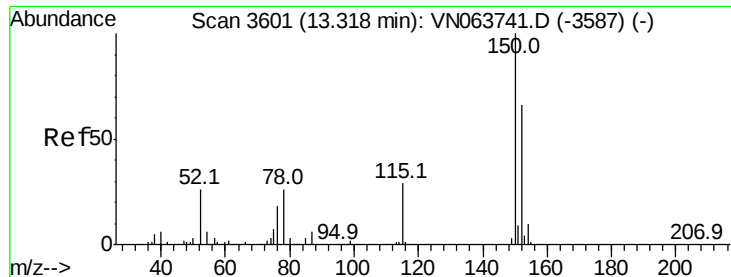
#71
Bromoform
Concen: 0.238 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN063771.D
Acq: 1 Oct 2020 14:58

Tgt Ion:173 Resp: 584
Ion Ratio Lower Upper
173 100
175 1657.9 23.5 70.5#
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# 3601

Delta R.T. 0.00 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

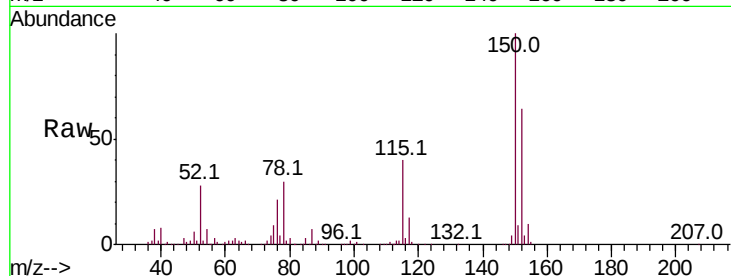
Tot Ion:152 Resp: 172142

Ion Ratio Lower Upper

152 100

115 64.2 31.3 93.8

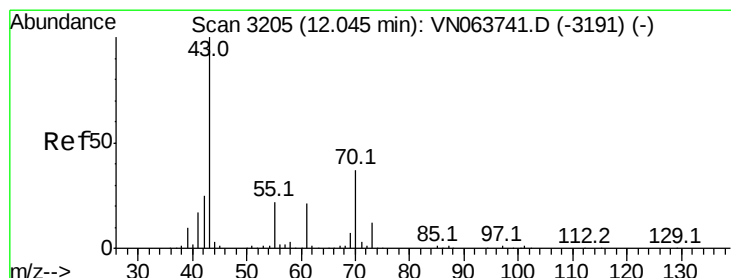
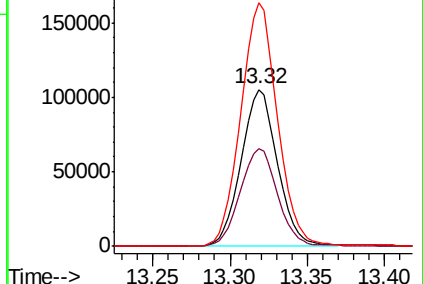
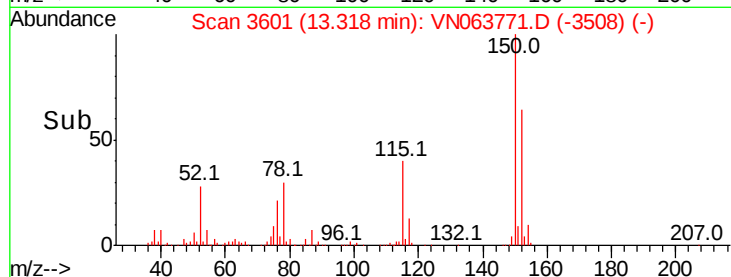
150 157.9 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.267 ug/l

RT: 12.06 min Scan# 3211

Delta R.T. 0.02 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Tgt Ion: 43 Resp: 314

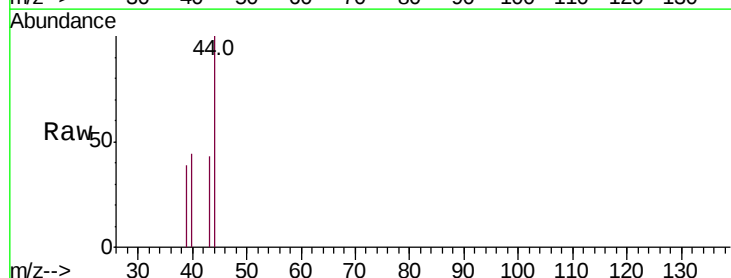
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

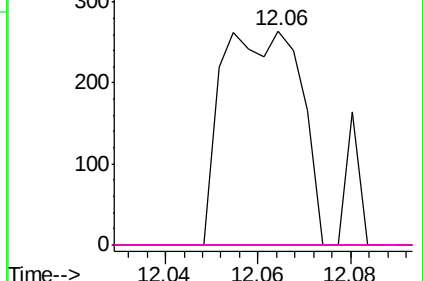
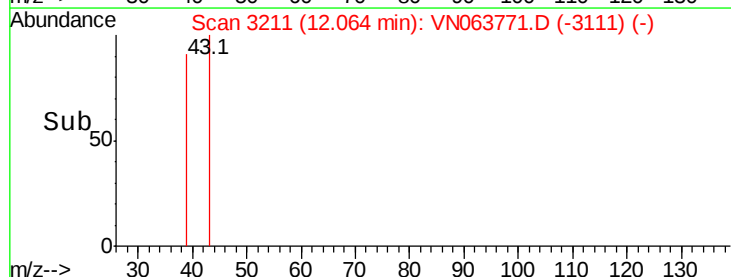


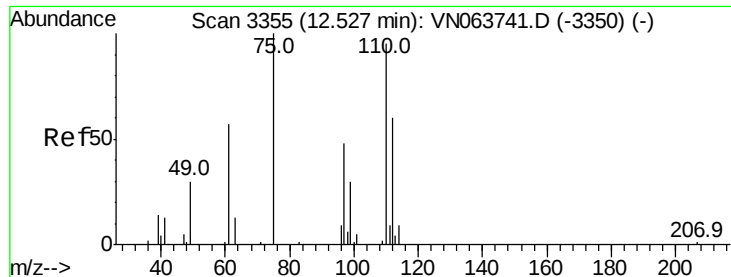
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 31.127 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

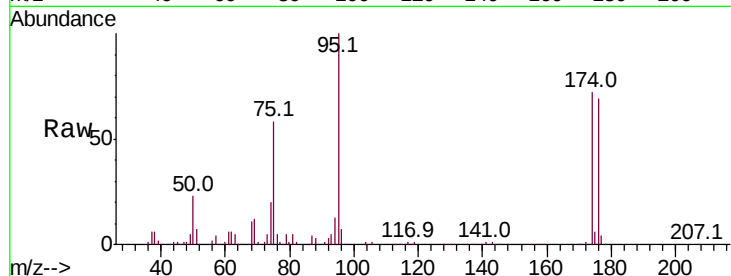
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 118116

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

60000

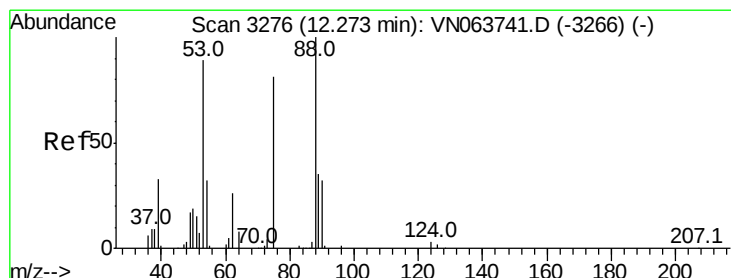
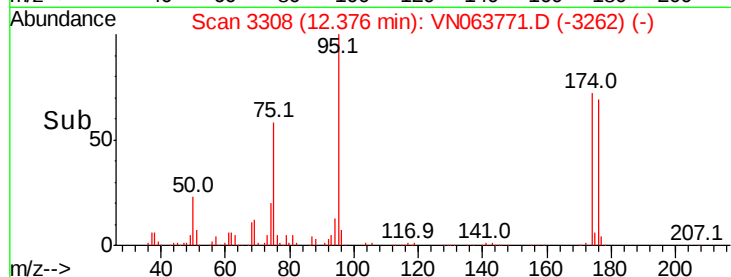
40000

20000

0

Time-->

12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 89.650 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

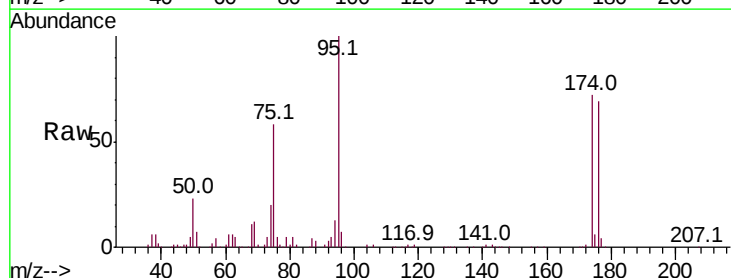
Tgt Ion: 75 Resp: 118116

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

80000

60000

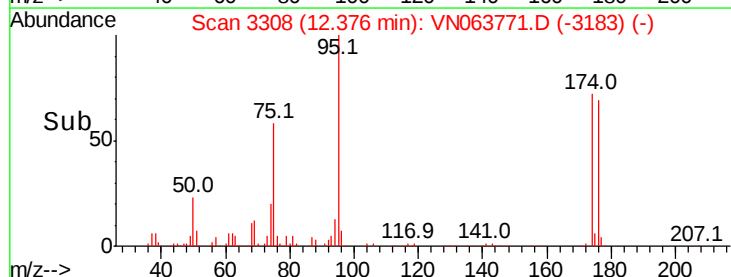
40000

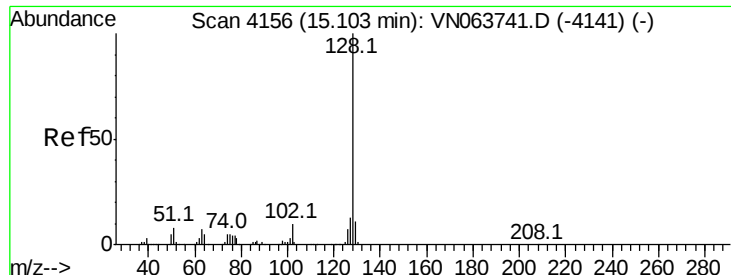
20000

0

Time-->

12.30 12.40 12.50





#95

Naphthalene

Concen: 1.958 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN063771.D

Acq: 1 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

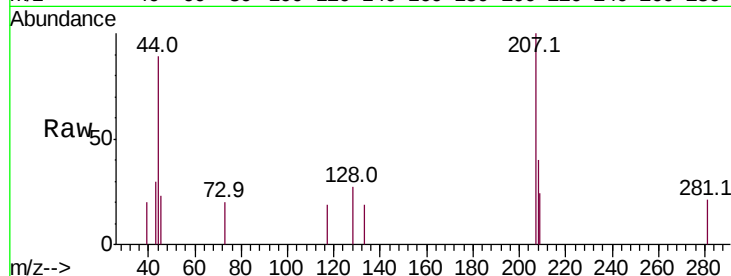
Tot Ion:128 Resp: 326

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



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

