

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063223.D
 Acq On : 3 Sep 2020 16:24
 Operator : JC/MD
 Sample : L3902-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200901

Quant Time: Sep 04 04:05:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	287132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	560218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	557697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	231378	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.55	113	182710	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.06	98	712557	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.38	95	238783	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds

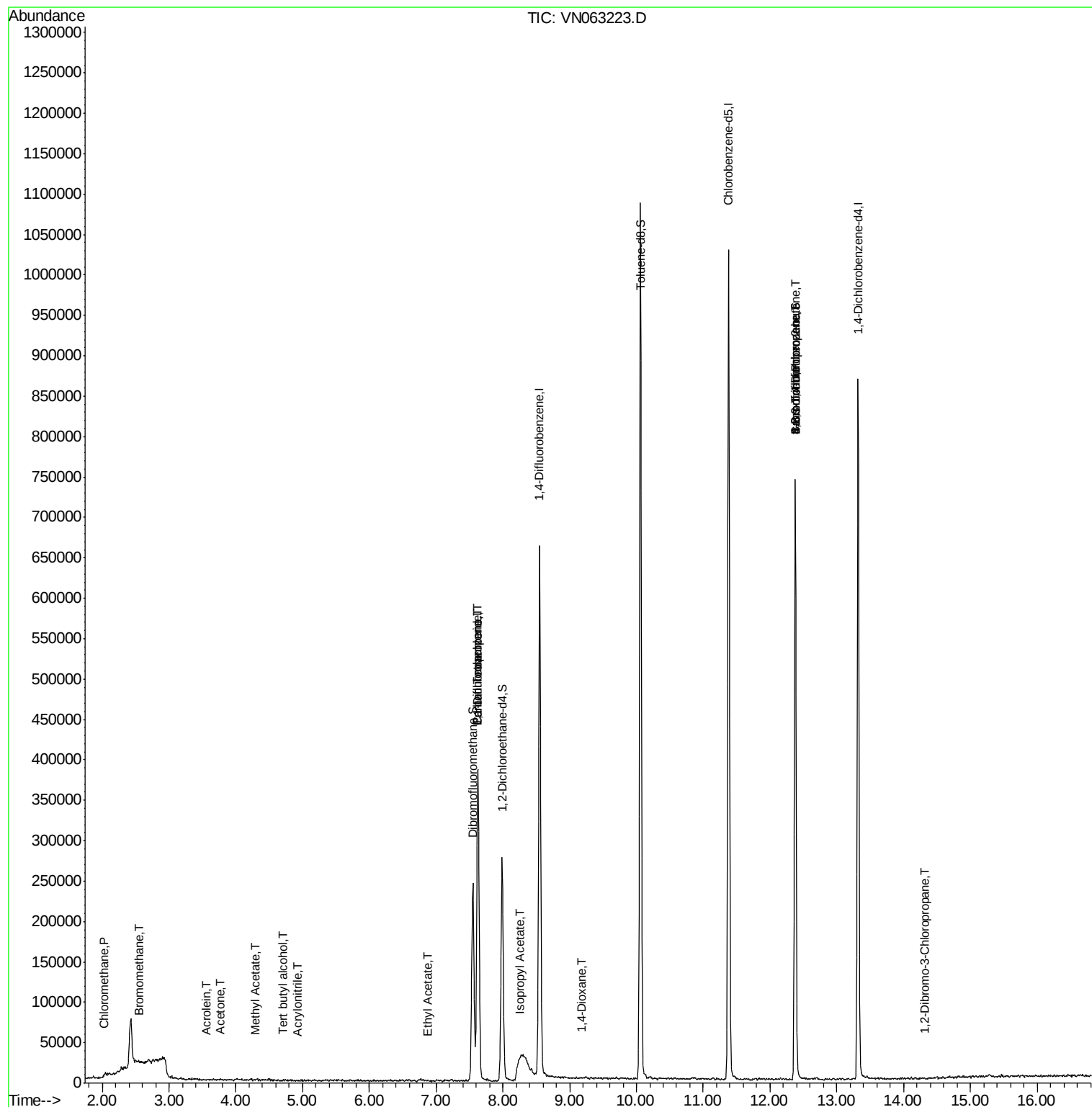
						Qvalue
3) Chloromethane	2.03	50	1631	0.396	ug/l #	74
5) Bromomethane	2.54	94	1156	0.302	ug/l	88
7) Trichlorofluoromethane	2.94	101	59	Below Cal	#	42
11) Tert butyl alcohol	4.71	59	135	0.234	ug/l #	1
13) Acrolein	3.56	56	79	16.107	ug/l #	75
15) Acrylonitrile	4.94	53	83	2.455	ug/l #	17
16) Acetone	3.78	43	447	0.335	ug/l	93
18) Methyl Acetate	4.30	43	1784	0.521	ug/l #	78
20) Methylene Chloride	4.50	84	367	Below Cal	#	77
31) Cyclohexane	7.63	56	8790	Below Cal	#	53
36) 1,1-Dichloropropene	7.62	75	26231	4.871	ug/l #	47
37) Ethyl Acetate	6.89	43	116	0.403	ug/l #	1
38) Carbon Tetrachloride	7.63	117	31822	5.826	ug/l #	17
43) Isopropyl Acetate	8.24	43	23133	2.634	ug/l #	57
49) 1,4-Dioxane	9.18	88	29	0.474	ug/l #	1
71) Bromoform	12.38	173	2717	0.960	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	139835	33.550	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139835	81.089	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.32	75	212	0.206	ug/l #	7

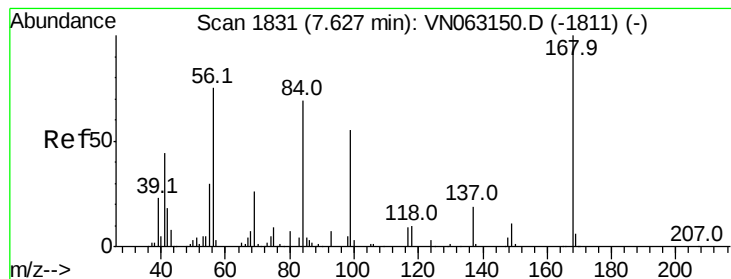
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

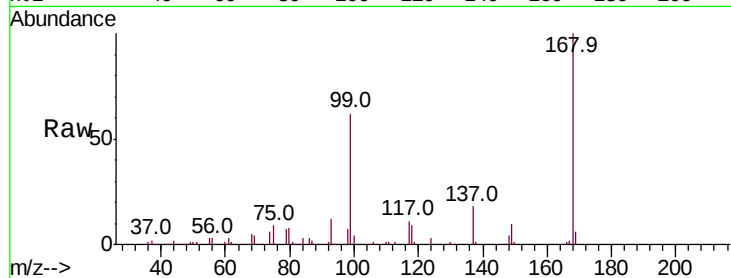
TB01-20200901

Tot Ion:168 Resp: 287132

Ion Ratio Lower Upper

168 100

99 62.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

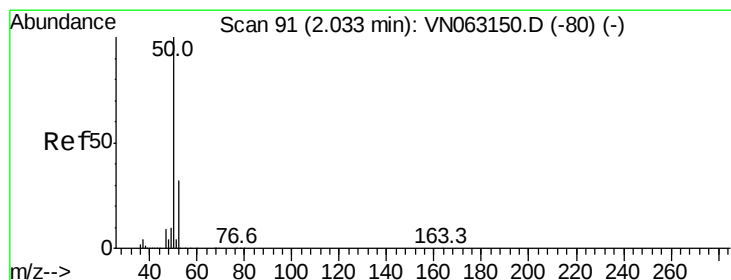
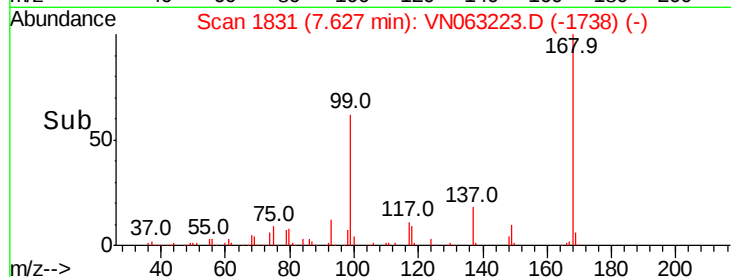
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.396 ug/l

RT: 2.03 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN063223.D

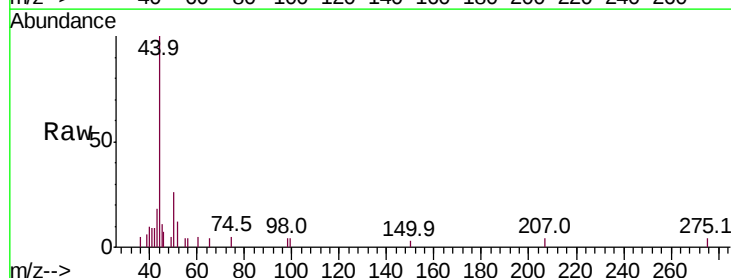
Acq: 3 Sep 2020 16:24

Tgt Ion: 50 Resp: 1631

Ion Ratio Lower Upper

50 100

52 46.9 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063150.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN063150.D (-80) (-)

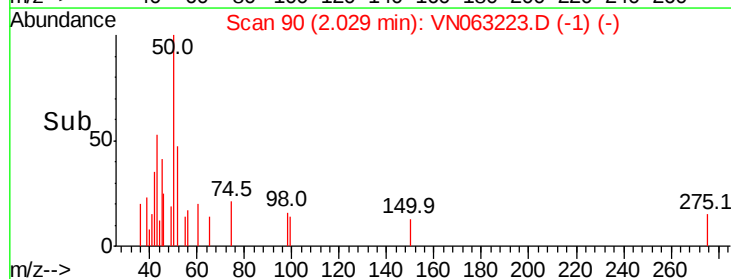
2.03

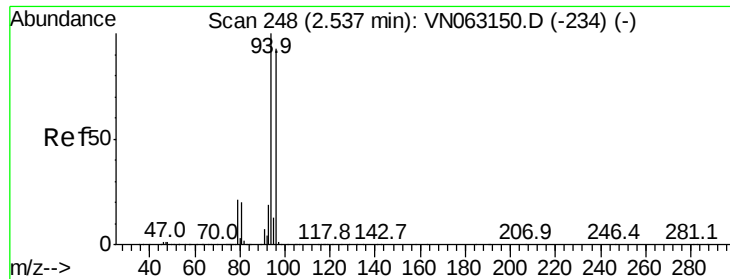
1000

500

0

Time--> 1.98 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.302 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

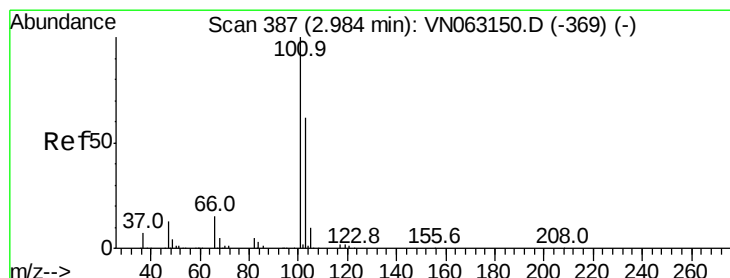
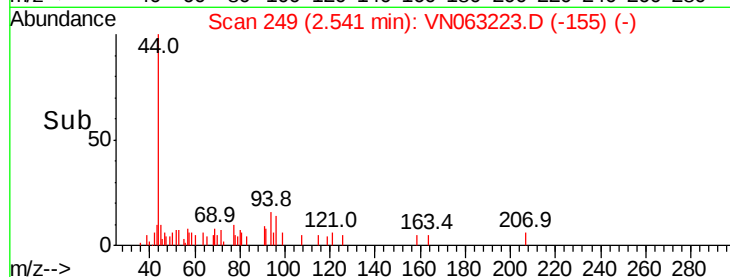
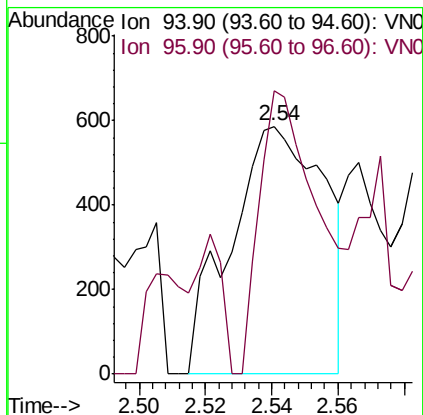
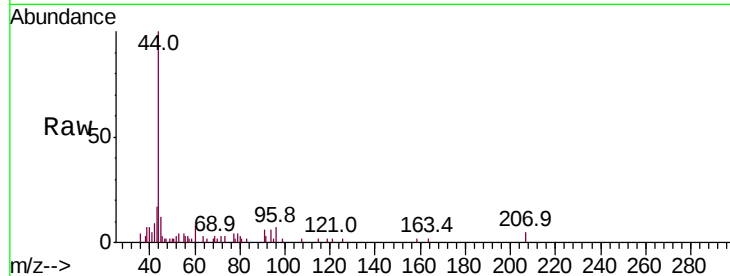
TB01-20200901

Tot Ion: 94 Resp: 1156

Ion Ratio Lower Upper

94 100

96 81.7 74.4 111.6



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.94 min Scan# 373

Delta R.T. -0.04 min

Lab File: VN063223.D

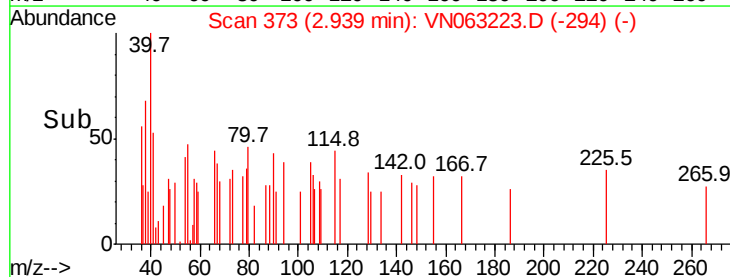
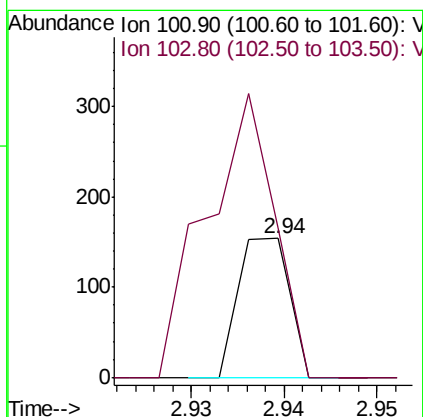
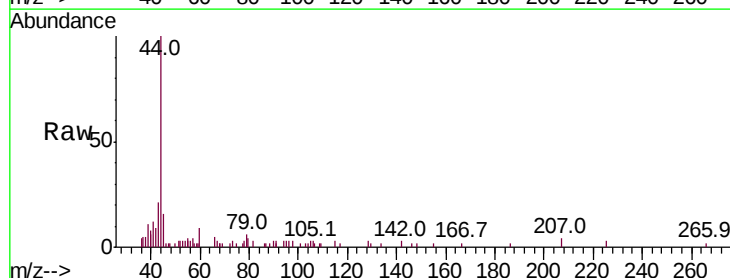
Acq: 3 Sep 2020 16:24

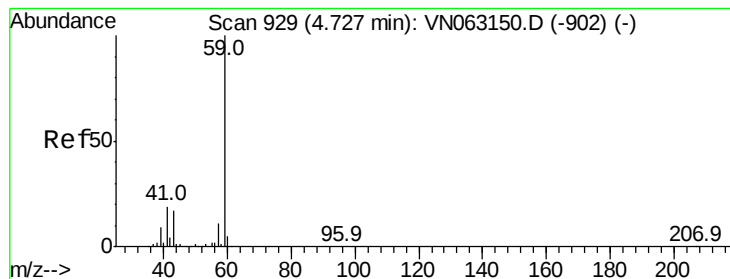
Tgt Ion: 101 Resp: 59

Ion Ratio Lower Upper

101 100

103 107.1 49.7 74.5#





#11

Tert butyl alcohol

Concen: 0.234 ug/l

RT: 4.71 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

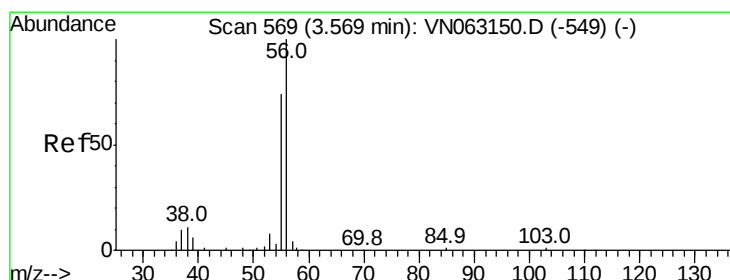
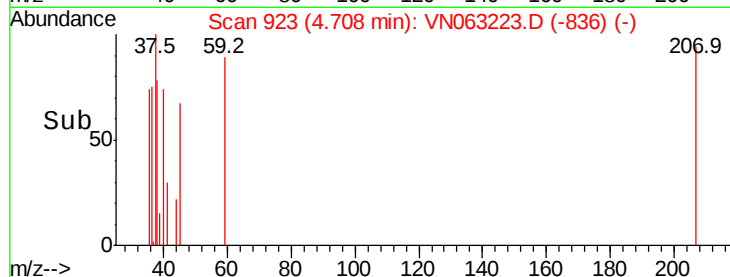
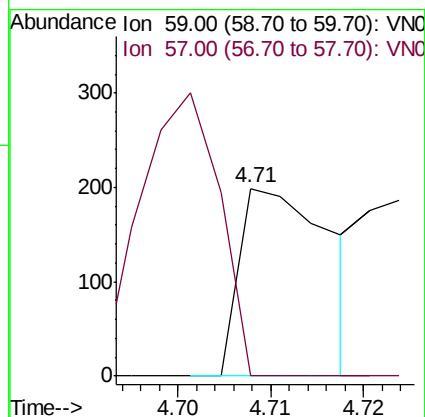
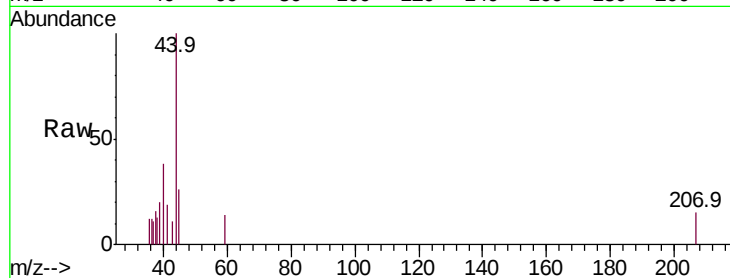
TB01-20200901

Tot Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 130.4 8.4 12.6#



#13

Acrolein

Concen: 16.107 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN063223.D

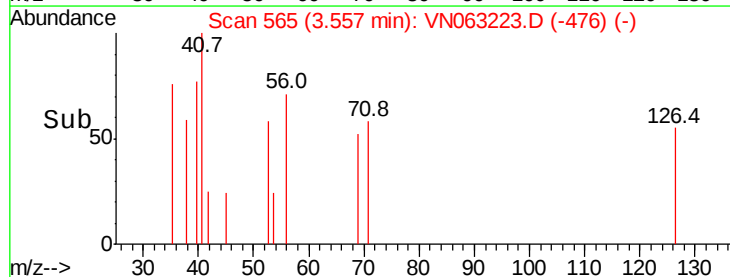
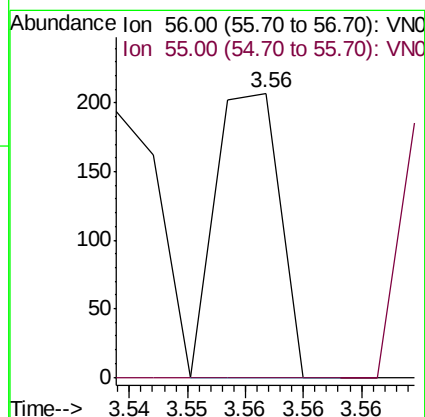
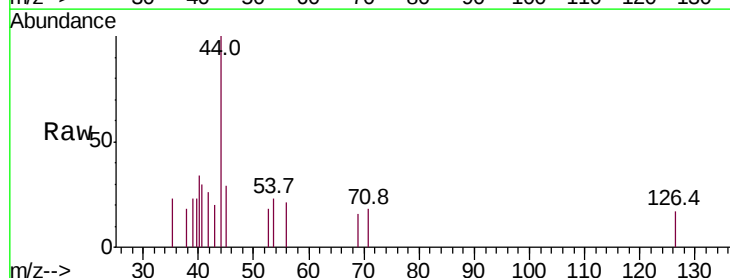
Acq: 3 Sep 2020 16:24

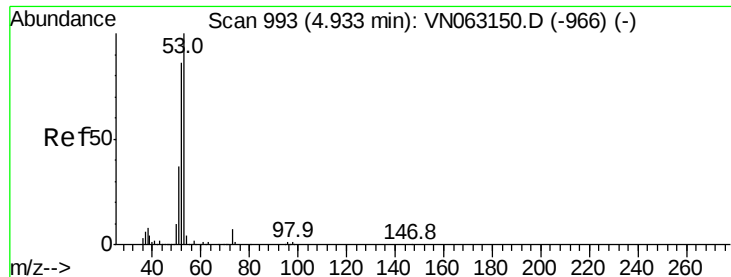
Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 89.9 55.4 83.0#





#15

Acrylonitrile

Concen: 2.455 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

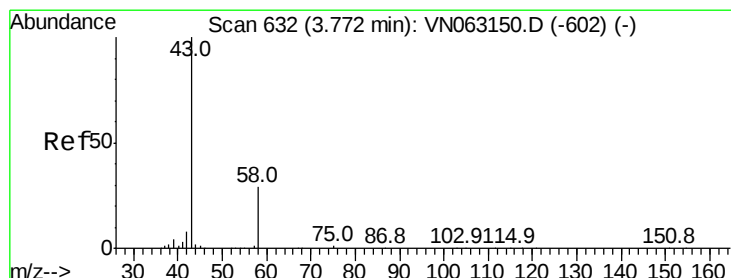
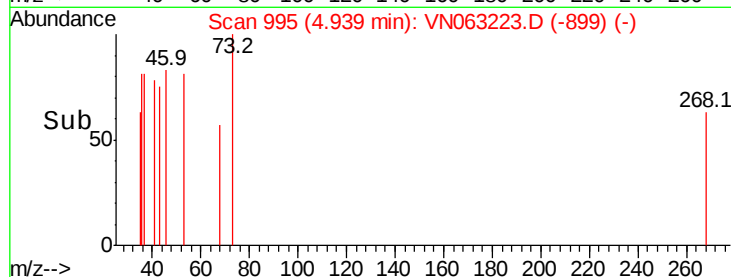
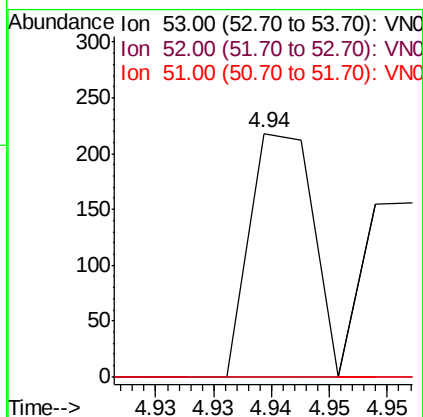
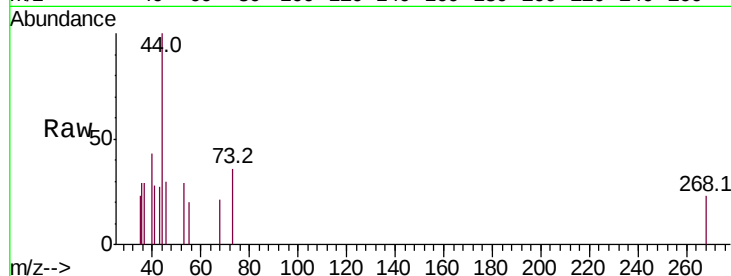
Tot Ion: 53 Resp: 83

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 0.0 30.2 45.4#



#16

Acetone

Concen: 0.335 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063223.D

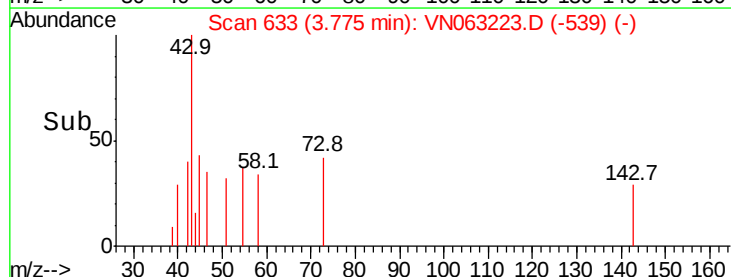
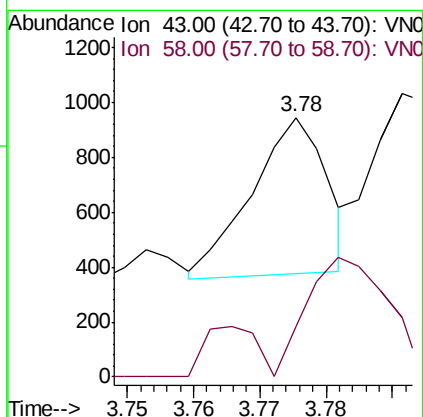
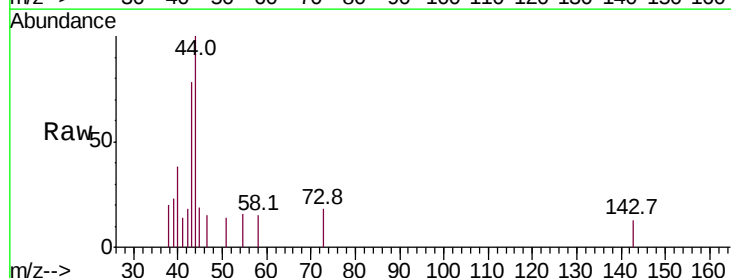
Acq: 3 Sep 2020 16:24

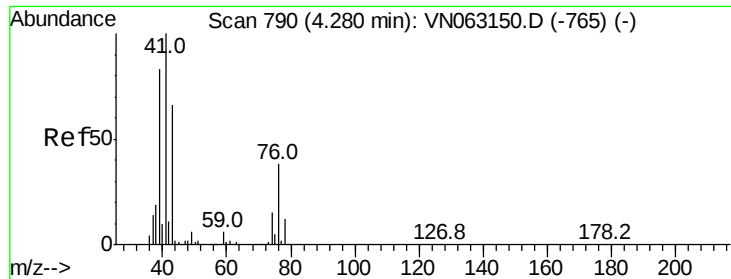
Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

58 32.6 23.1 34.7

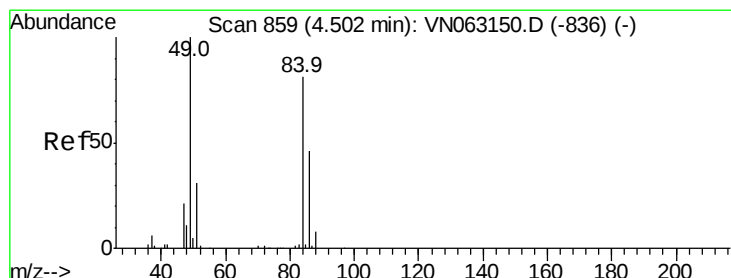
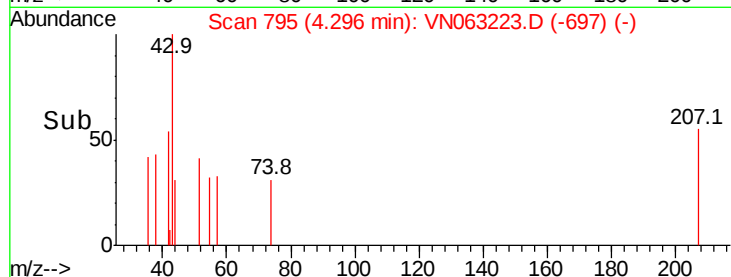
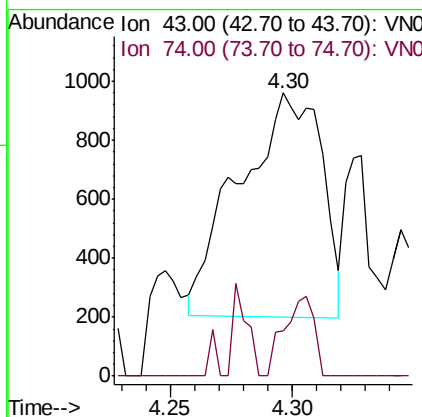
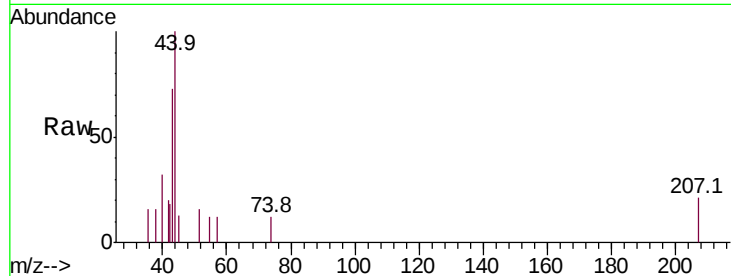




#18
Methyl Acetate
Concen: 0.521 ug/l
RT: 4.30 min Scan# 795
Delta R.T. 0.02 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

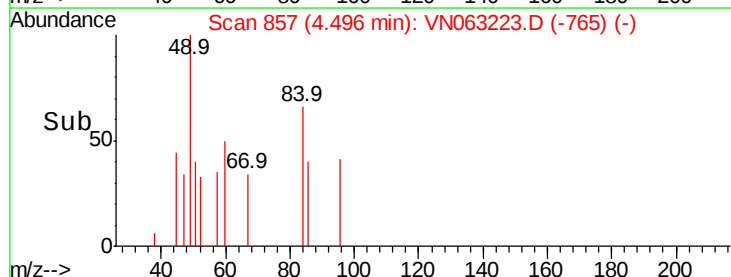
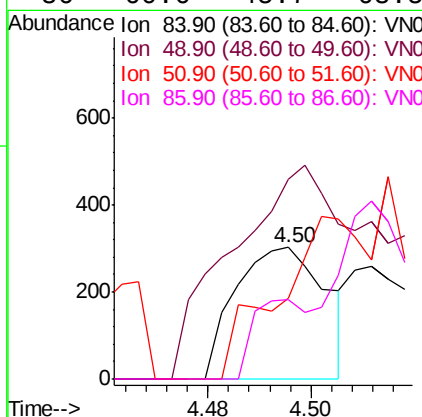
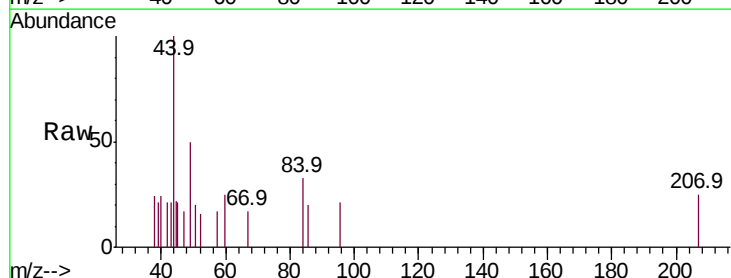
Instrument :
MSVOA_N
ClientSampled :
TB01-20200901

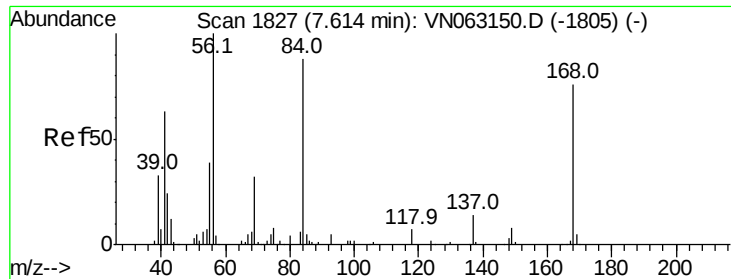
Tot Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
74 13.1 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

Tgt Ion: 84 Resp: 367
Ion Ratio Lower Upper
84 100
49 92.1 98.4 147.6#
51 60.9 30.4 45.6#
86 60.6 45.7 68.5

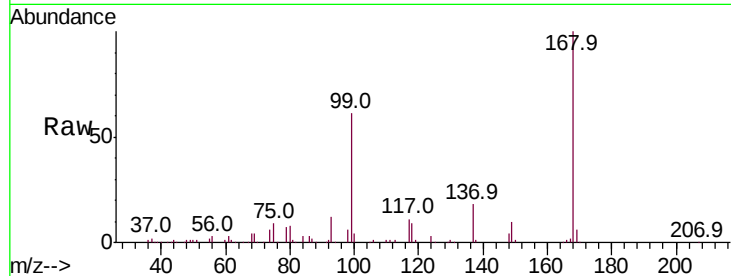




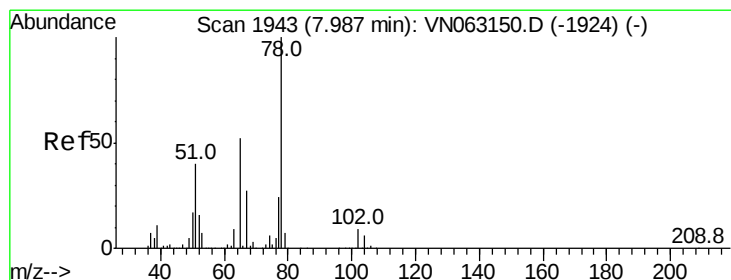
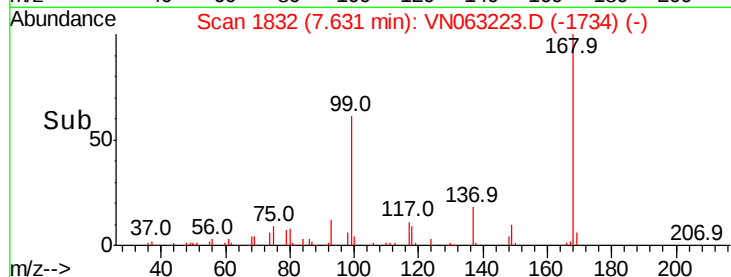
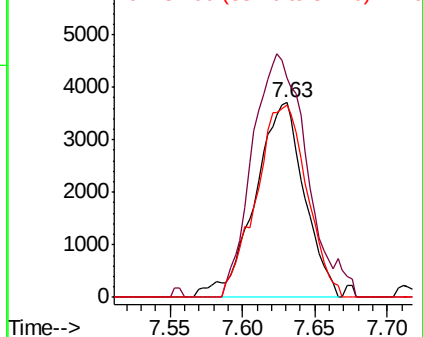
#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

Instrument :
MSVOA_N
ClientSampleId :
TB01-20200901

Tot Ion: 56 Resp: 8790
Ion Ratio Lower Upper
56 100
69 112.8 25.4 38.0#
84 98.5 70.2 105.4

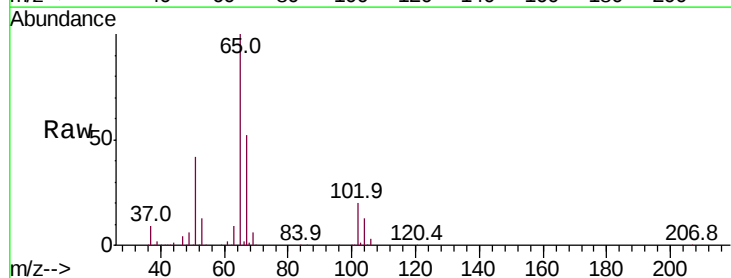


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

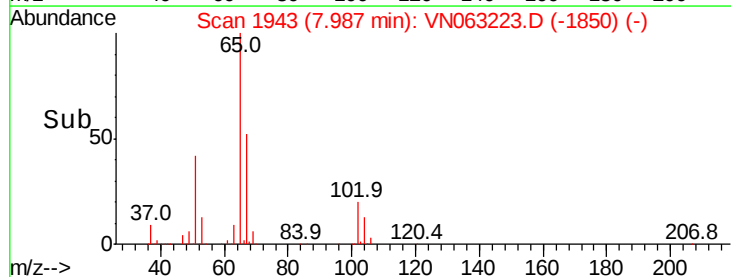
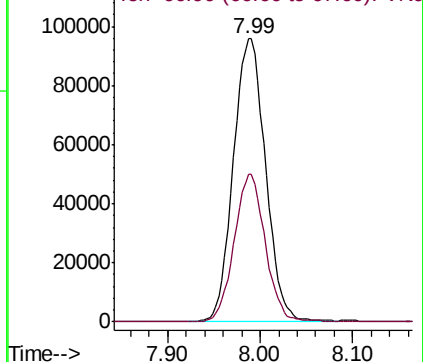


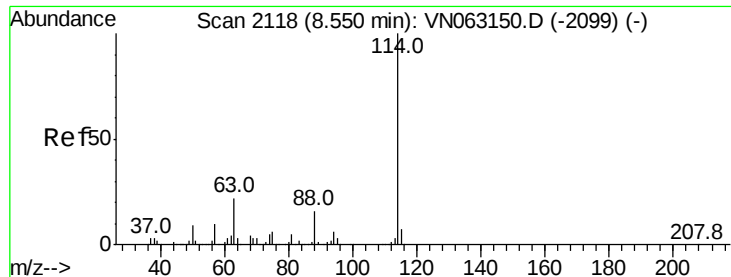
#33
1,2-Dichloroethane-d4
Concen: 49.295 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

Tgt Ion: 65 Resp: 231378
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

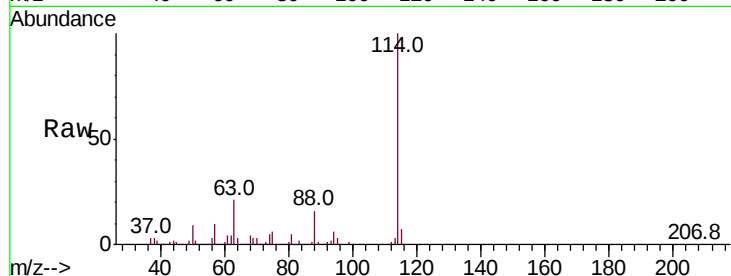




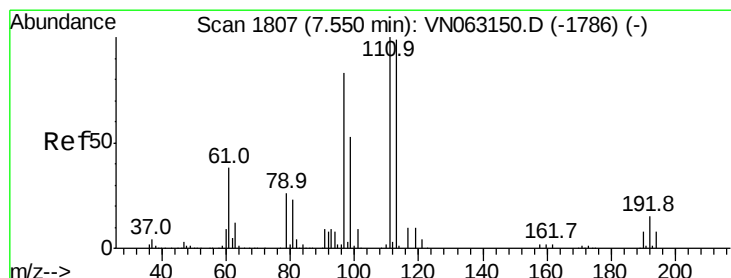
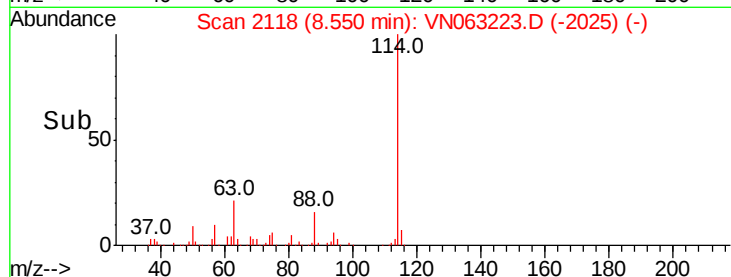
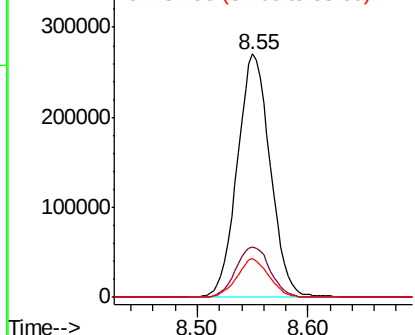
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

Instrument :
MSVOA_N
ClientSampleId :
TB01-20200901

Tot Ion:114 Resp: 560218
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.0
88 15.7 0.0 31.6

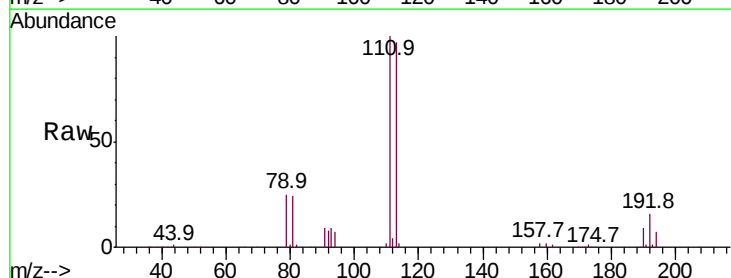


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

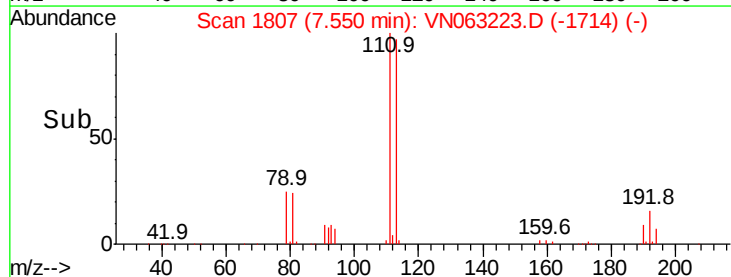
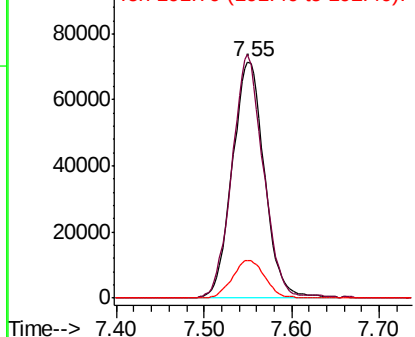


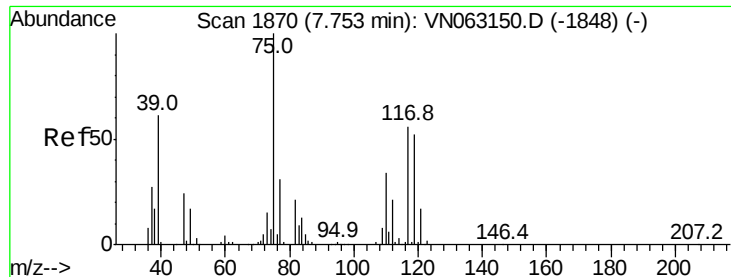
#35
Dibromofluoromethane
Concen: 50.836 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063223.D
Acq: 3 Sep 2020 16:24

Tgt Ion:113 Resp: 182710
Ion Ratio Lower Upper
113 100
111 99.6 80.7 121.1
192 16.1 12.6 19.0



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: 4.871 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

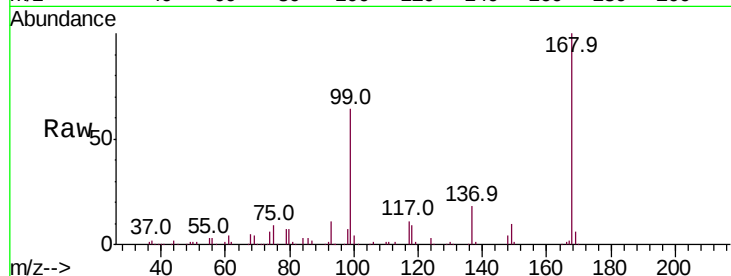
Tot Ion: 75 Resp: 26231

Ion Ratio Lower Upper

75 100

110 5.7 16.6 49.8#

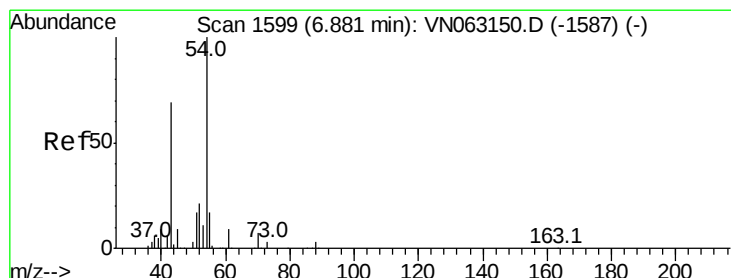
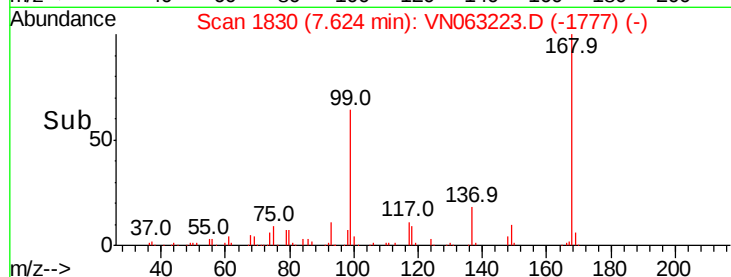
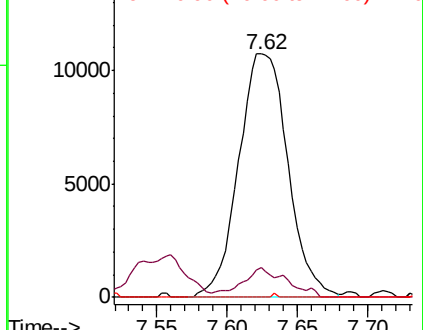
77 0.1 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN063150.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063150.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063150.D (-1848) (-)



#37

Ethyl Acetate

Concen: 0.403 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

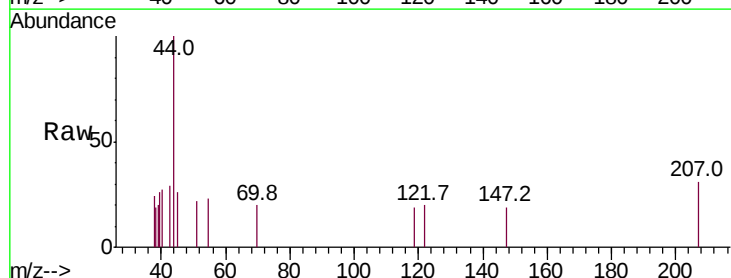
Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

61 81.0 10.2 15.4#

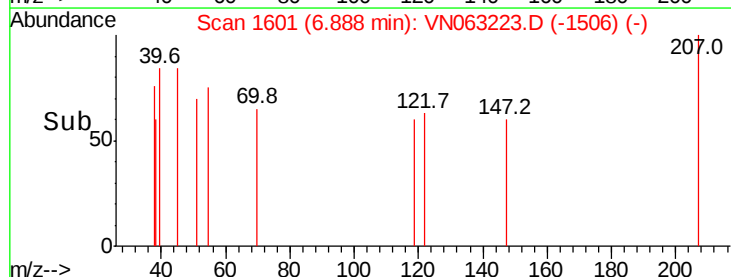
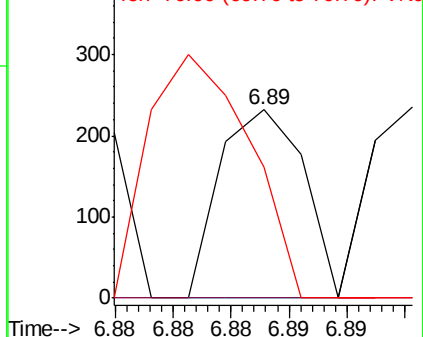
70 156.9 3.0 4.6#

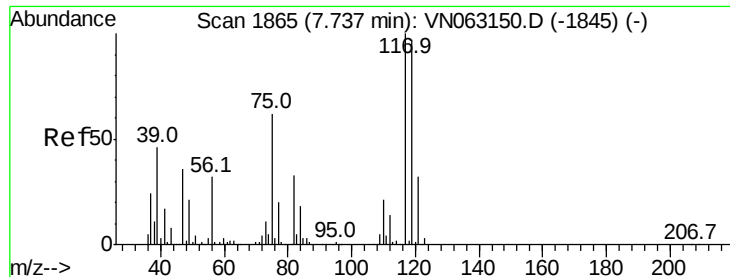


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063150.D (-1587) (-)





#38

Carbon Tetrachloride

Concen: 5.826 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

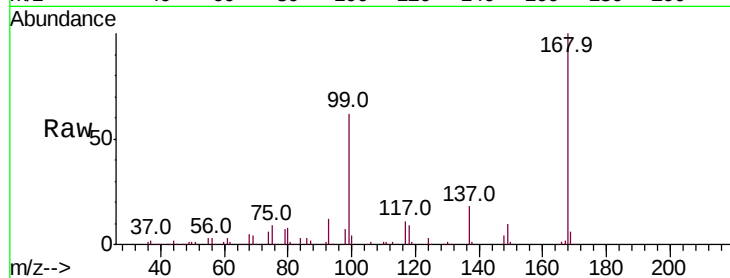
Tot Ion:117 Resp: 31822

Ion Ratio Lower Upper

117 100

119 7.4 77.2 115.8#

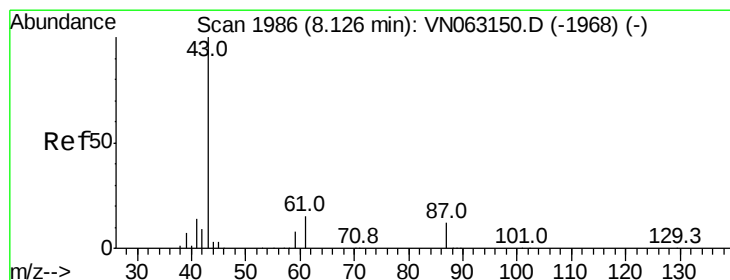
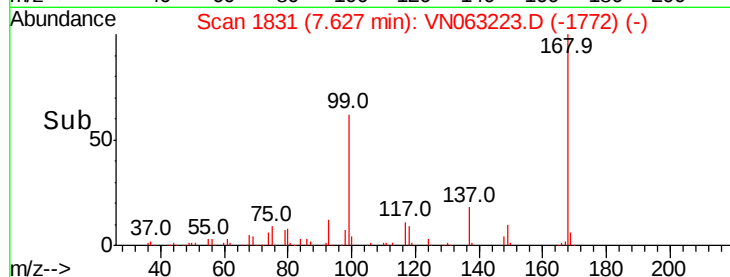
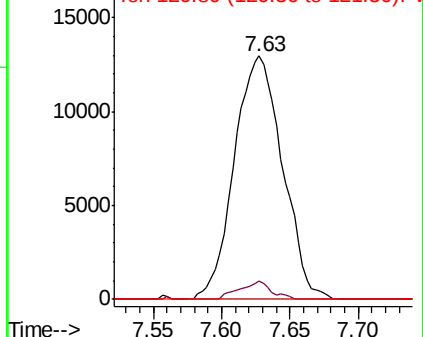
121 0.0 25.6 38.4#



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: 2.634 ug/l

RT: 8.24 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

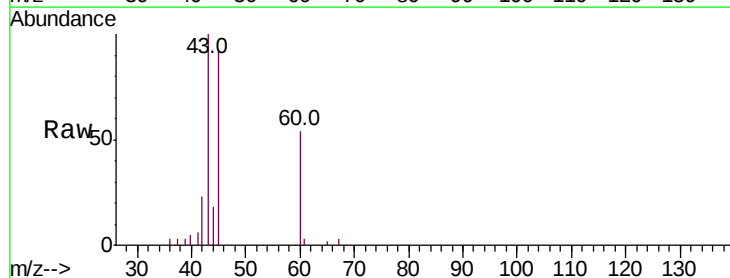
Tgt Ion: 43 Resp: 23133

Ion Ratio Lower Upper

43 100

61 0.5 20.2 30.4#

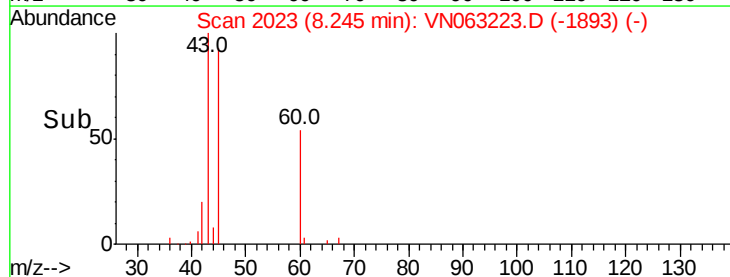
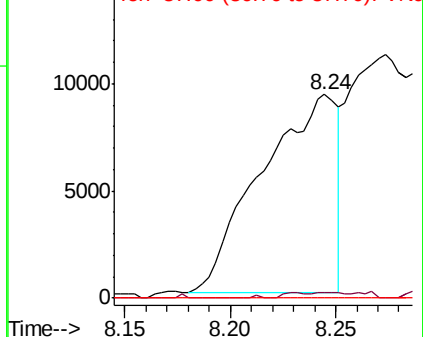
87 0.0 9.8 14.6#

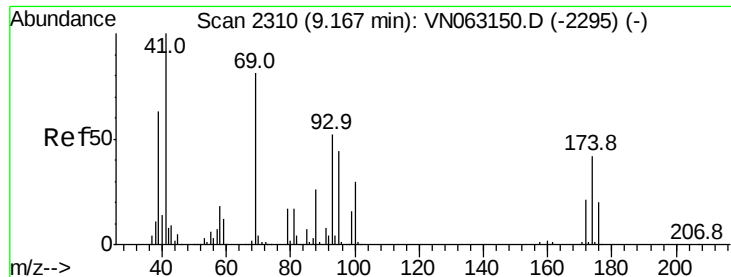


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#49

1,4-Dioxane

Concen: 0.474 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

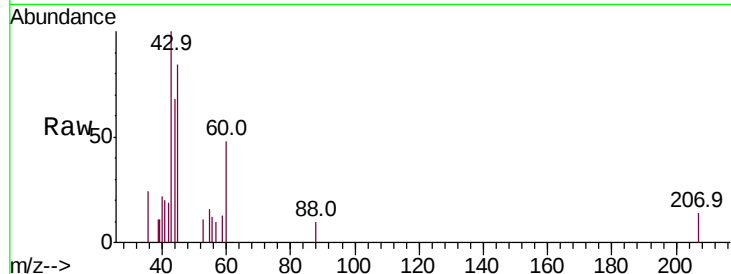
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 2634.5 28.6 42.8#

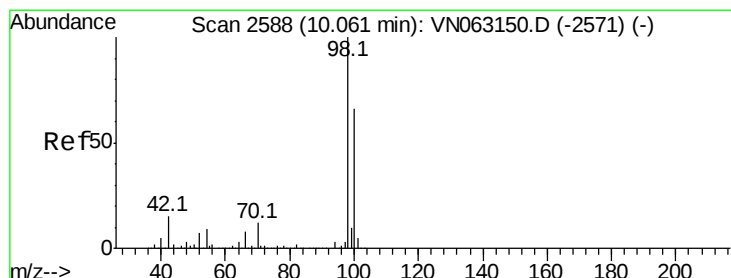
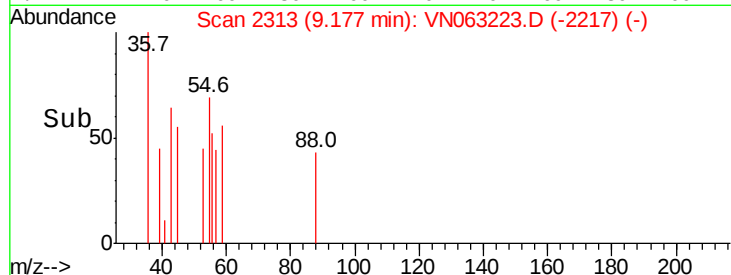
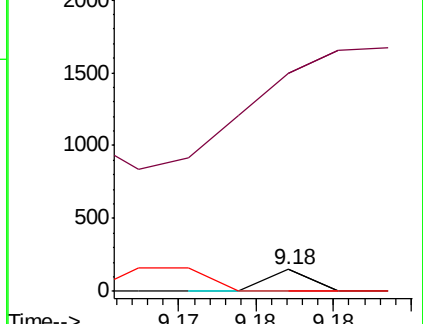
58 217.2 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.509 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063223.D

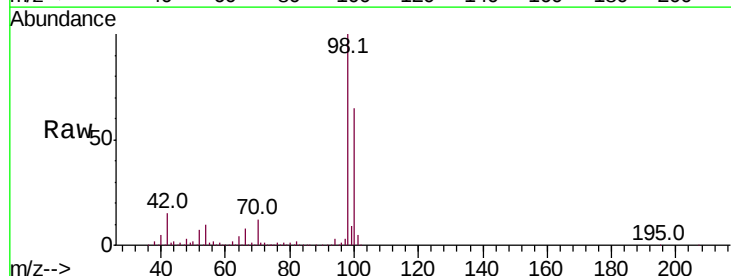
Acq: 3 Sep 2020 16:24

Tgt Ion: 98 Resp: 712557

Ion Ratio Lower Upper

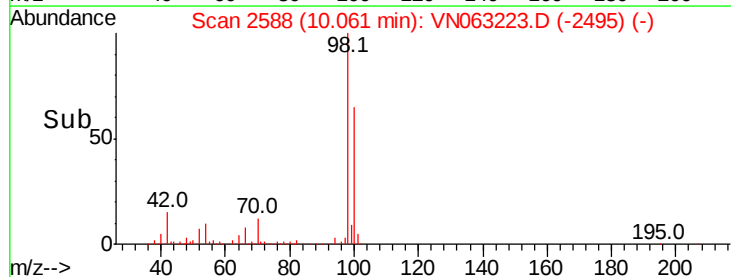
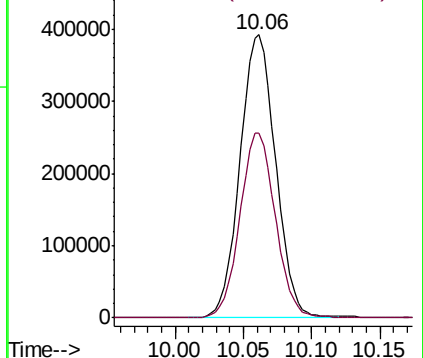
98 100

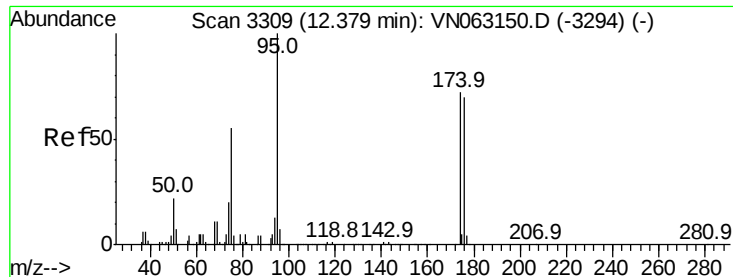
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.345 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

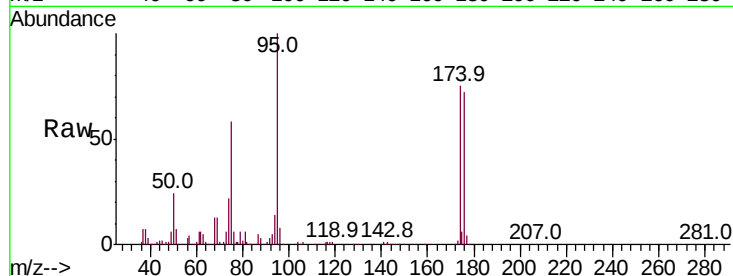
Tot Ion: 95 Resp: 238783

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.8

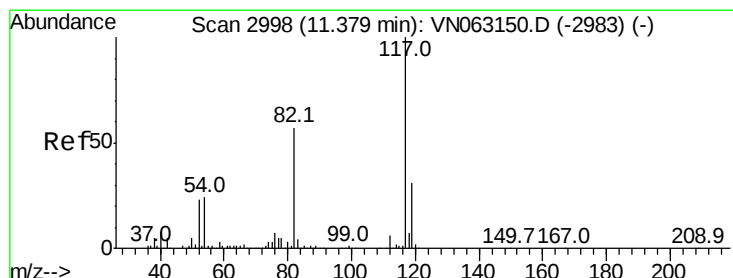
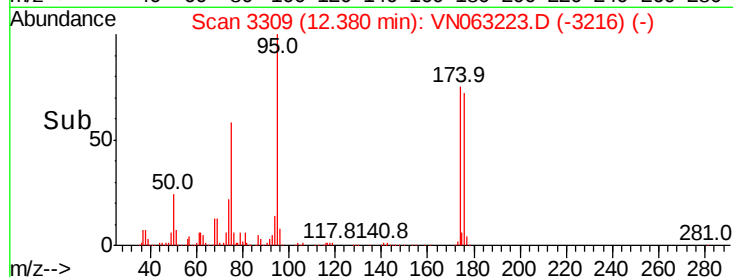
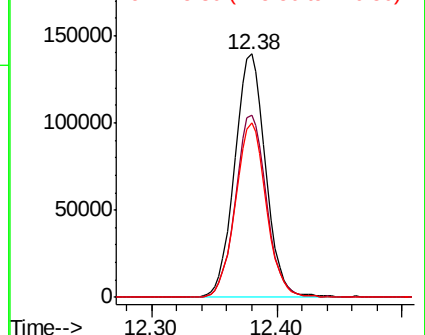
176 71.3 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063150.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063150.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

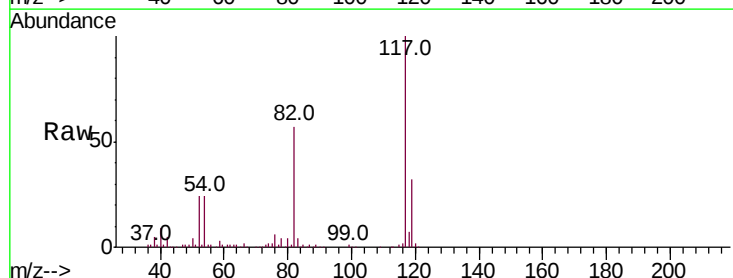
Tgt Ion: 117 Resp: 557697

Ion Ratio Lower Upper

117 100

82 56.5 45.4 68.0

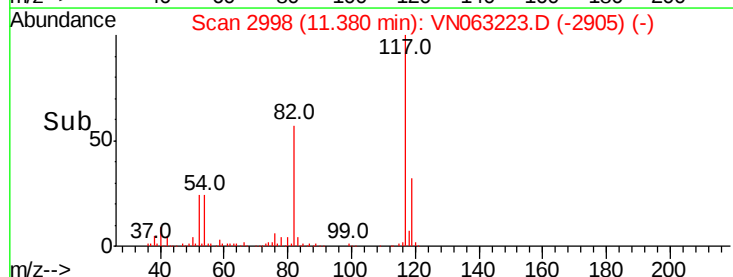
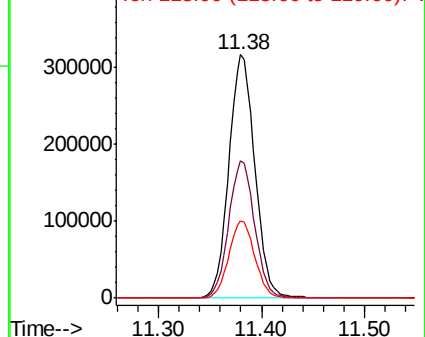
119 31.9 24.6 37.0

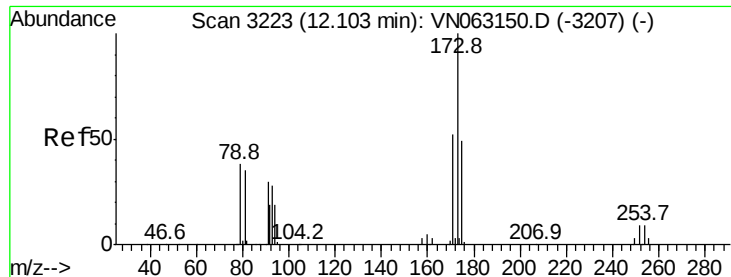


Abundance Ion 116.90 (116.60 to 117.60): VN063150.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063150.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063150.D (-2983) (-)





#71

Bromoform

Concen: 0.960 ug/l

RT: 12.38 min Scan# 3310

Delta R.T. 0.28 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

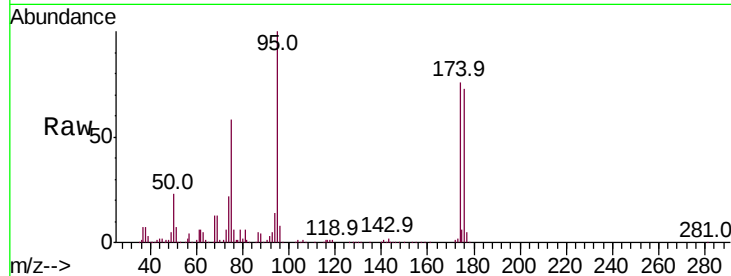
Tot Ion:173 Resp: 2717

Ion Ratio Lower Upper

173 100

175 445.9 24.6 73.8#

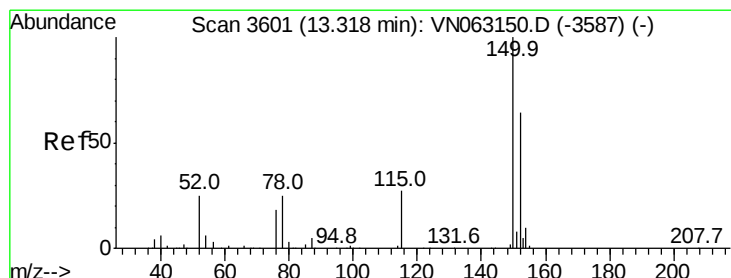
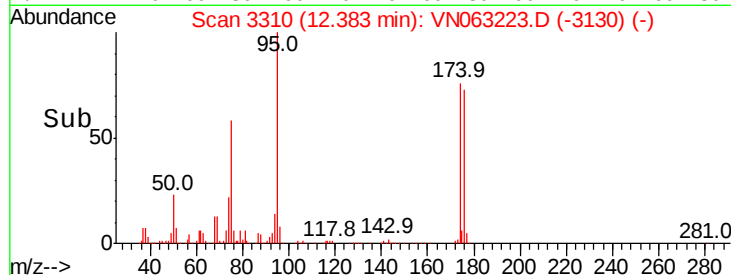
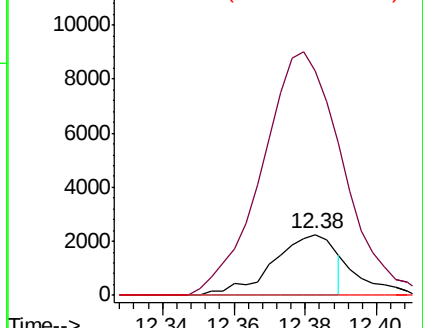
254 0.0 0.0 0.0



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# 3601

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

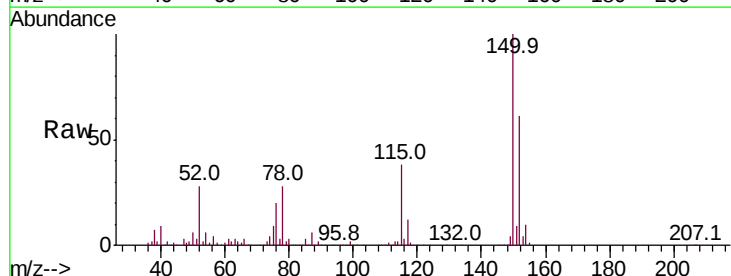
Tgt Ion:152 Resp: 212134

Ion Ratio Lower Upper

152 100

115 60.6 32.0 96.2

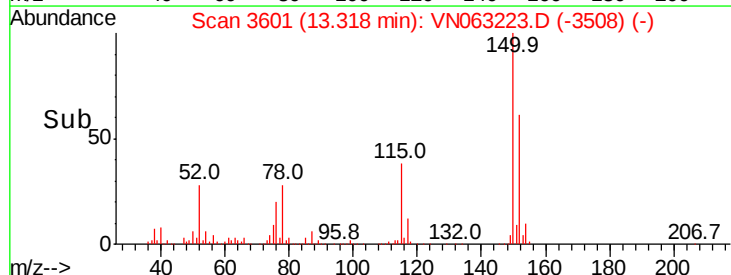
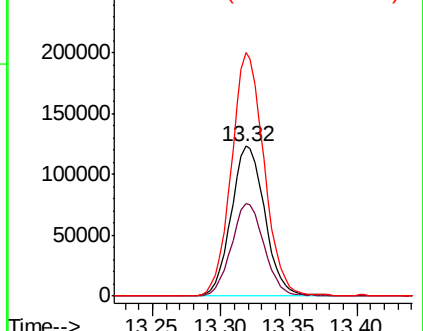
150 157.5 0.0 353.0

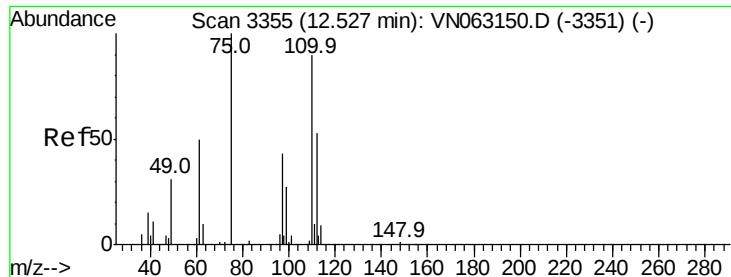


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.550 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

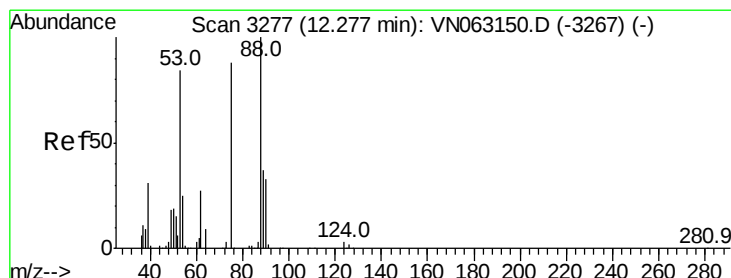
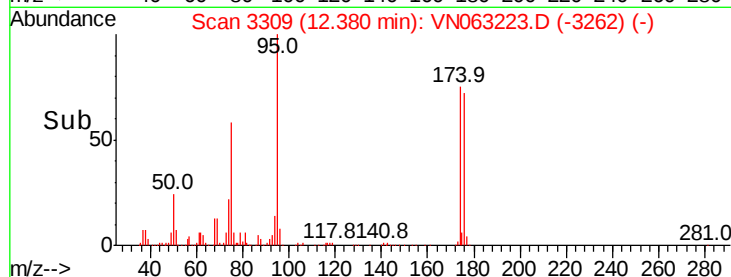
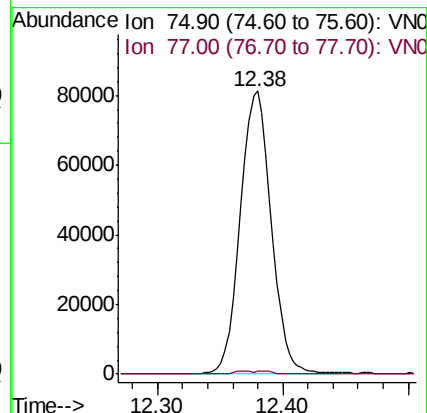
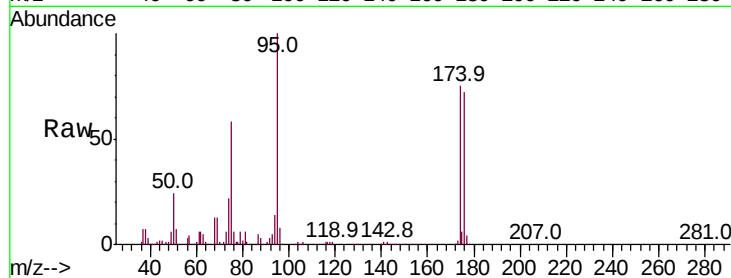
TB01-20200901

Tot Ion: 75 Resp: 139835

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.089 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

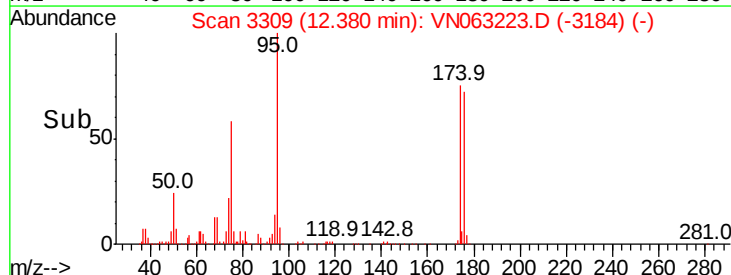
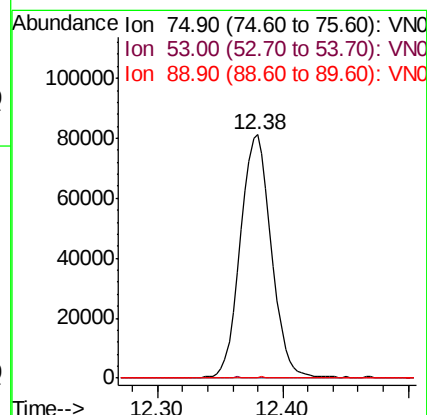
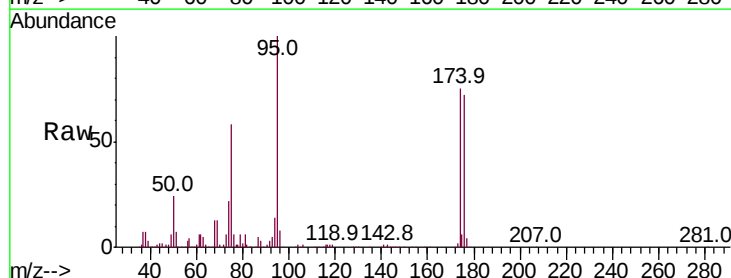
Tgt Ion: 75 Resp: 139835

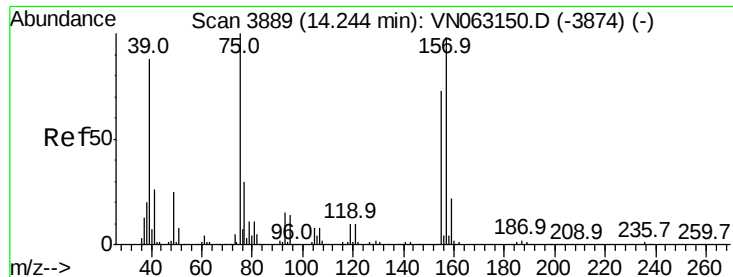
Ion Ratio Lower Upper

75 100

53 0.3 78.7 118.1#

89 0.1 35.3 52.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.206 ug/l

RT: 14.32 min Scan# 3914

Delta R.T. 0.08 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200901

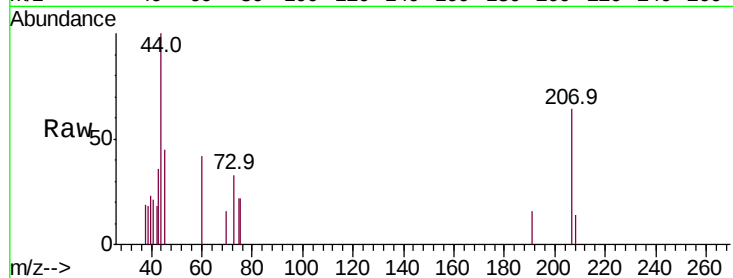
Tot Ion: 75 Resp: 212

Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

157 0.0 48.4 145.0#



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

600

500

400

300

200

100

0

14.32

14.34

Time-->

