

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063584.D
 Acq On : 23 Sep 2020 13:19
 Operator : JC/MD
 Sample : L4116-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200922

Quant Time: Sep 24 02:35:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	415187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	187660	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.55	113	136167	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.06	98	532661	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.38	95	205043	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

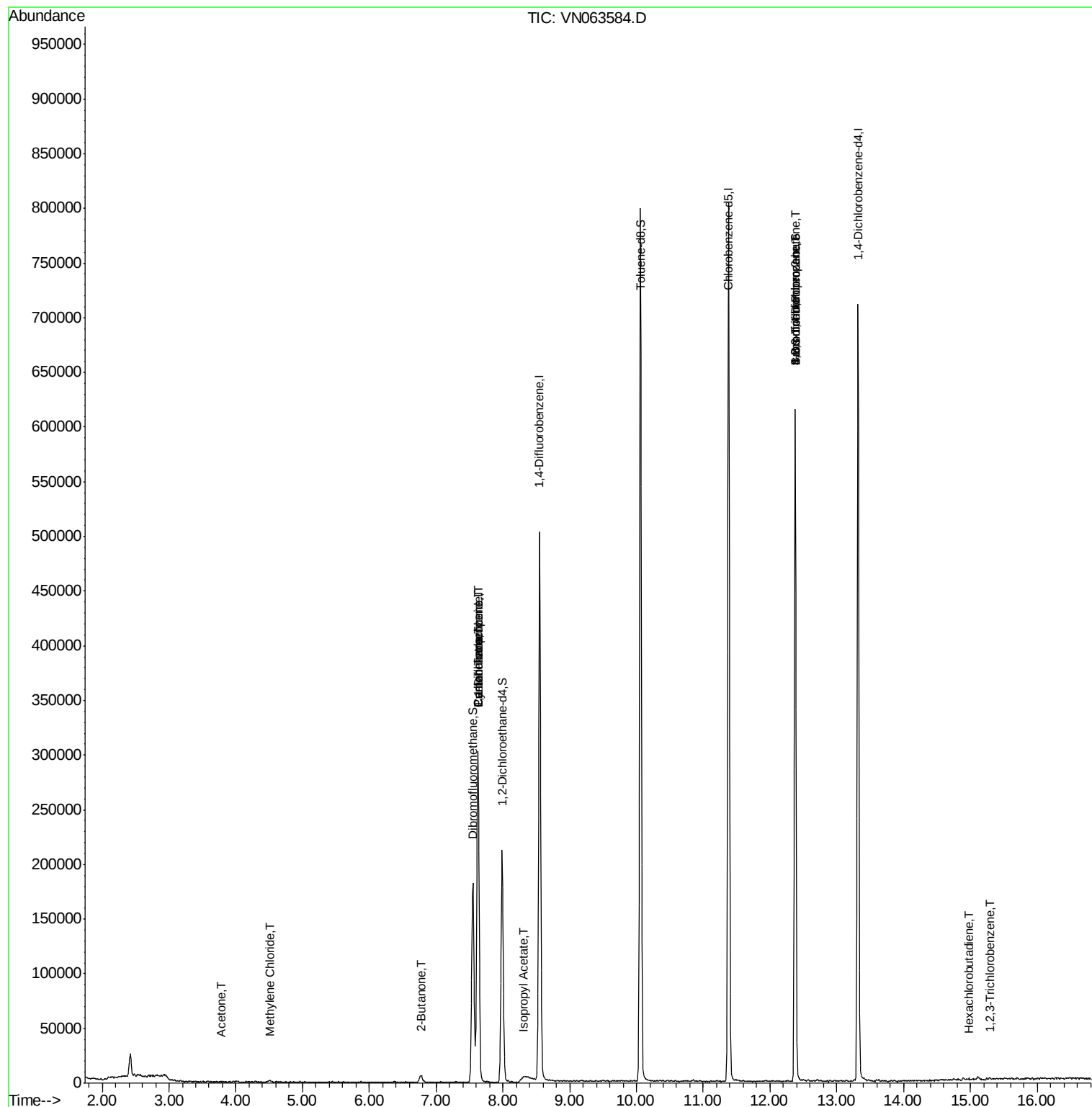
						Qvalue
16) Acetone	3.78	43	286	0.236	ug/l #	47
20) Methylene Chloride	4.52	84	1114	0.363	ug/l #	51
25) 2-Butanone	6.78	43	518	0.278	ug/l #	51
31) Cyclohexane	7.62	56	6959	1.336	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	21224	4.857	ug/l #	46
38) Carbon Tetrachloride	7.62	117	25212	5.652	ug/l #	17
43) Isopropyl Acetate	8.31	43	4482	0.584	ug/l #	64
71) Bromoform	12.37	173	936	0.389	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	115363	27.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115363	75.131	ug/l #	7
94) Hexachlorobutadiene	14.97	225	381	0.280	ug/l #	45
96) 1,2,3-Trichlorobenzene	15.29	180	636	0.200	ug/l	81

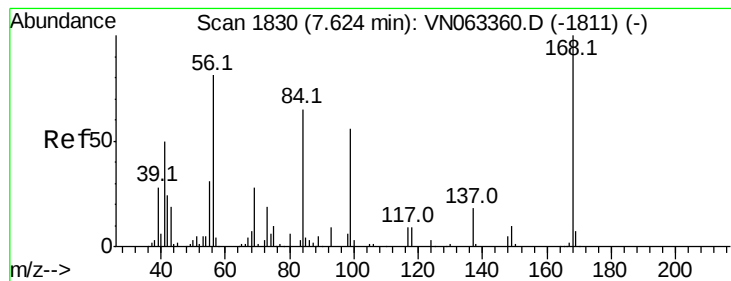
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

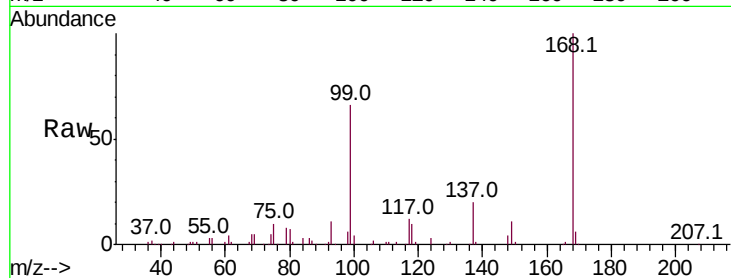
TB-01-200922

Tot Ion:168 Resp: 221625

Ion Ratio Lower Upper

168 100

99 66.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

60000

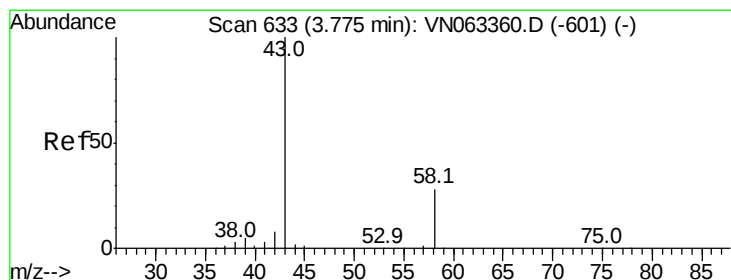
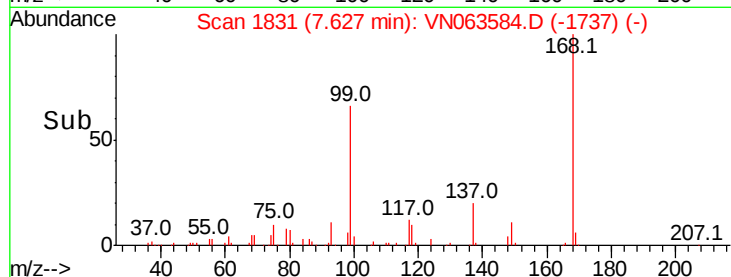
40000

20000

0

Time-->

7.50 7.60 7.70



#16

Acetone

Concen: 0.236 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063584.D

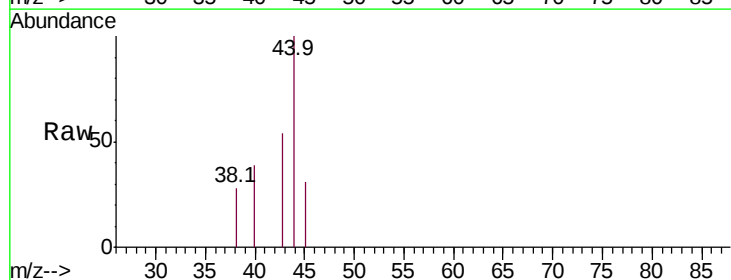
Acq: 23 Sep 2020 13:19

Tgt Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

300

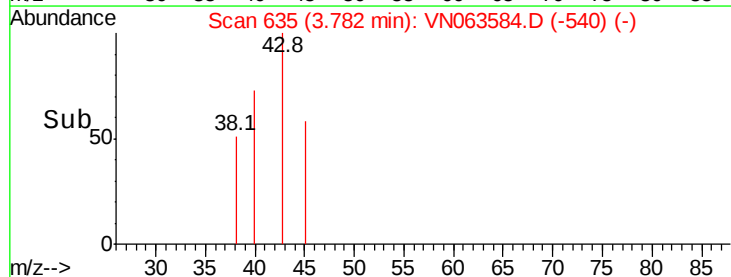
200

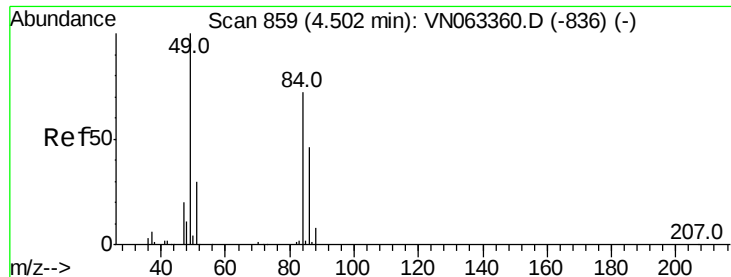
100

0

Time-->

3.77 3.78 3.79 3.80

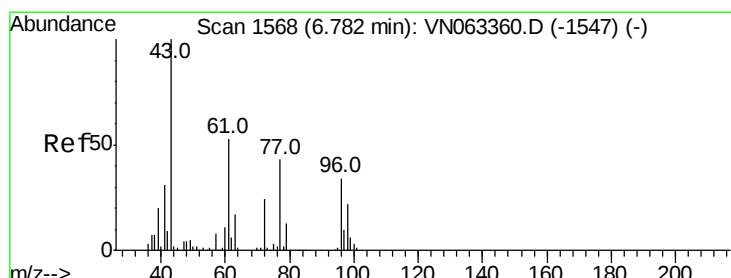
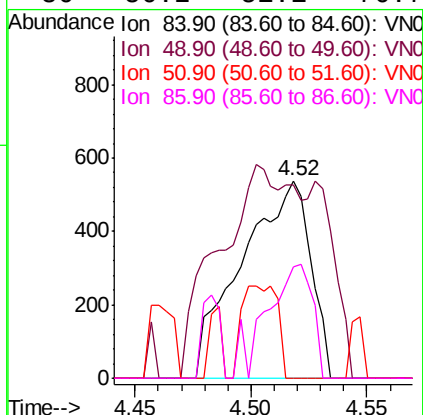
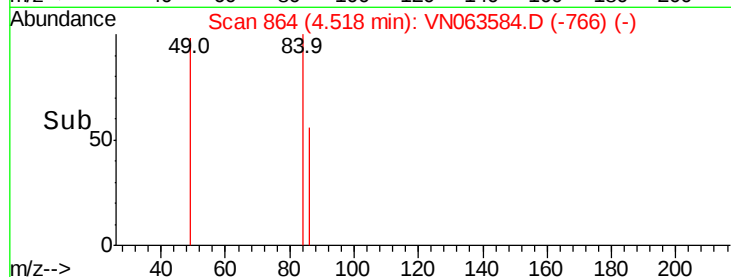
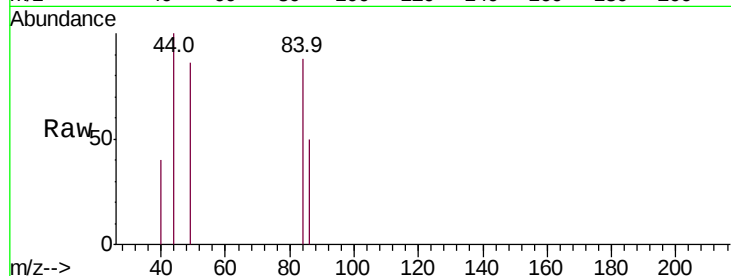




#20
Methvlene Chloride
Concen: 0.363 ug/l
RT: 4.52 min Scan# 864
Delta R.T. 0.02 min
Lab File: VN063584.D
Acq: 23 Sep 2020 13:19

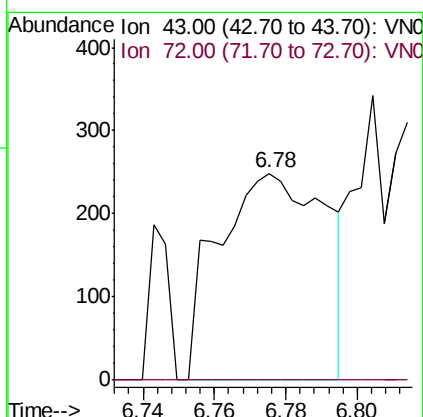
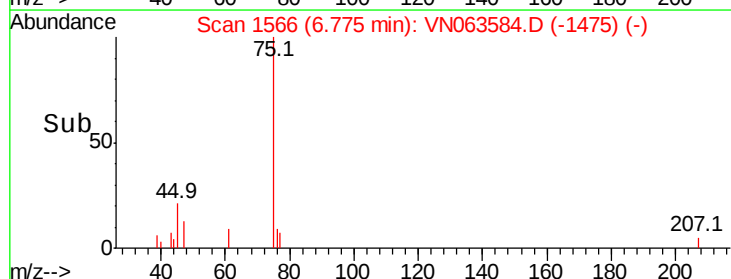
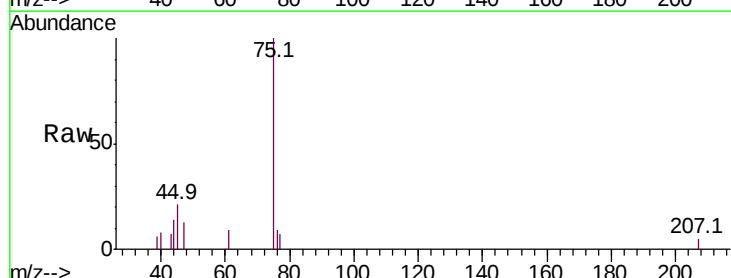
Instrument :
MSVOA_N
ClientSampleId :
TB-01-200922

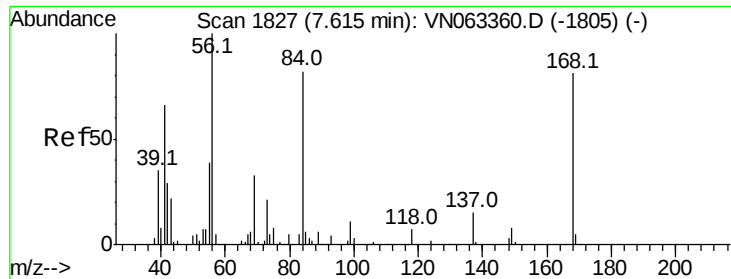
Tot Ion: 84 Resp: 1114
Ion Ratio Lower Upper
84 100
49 64.2 110.7 166.1#
51 0.0 32.9 49.3#
86 56.2 51.1 76.7



#25
2-Butanone
Concen: 0.278 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN063584.D
Acq: 23 Sep 2020 13:19

Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

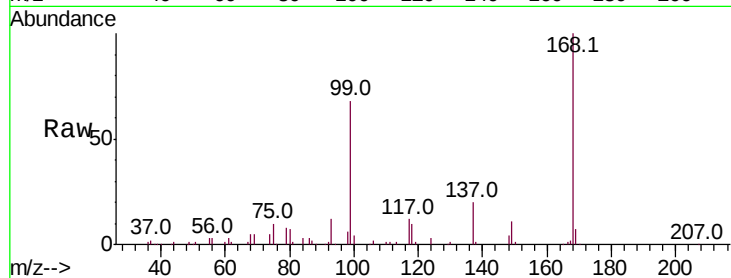




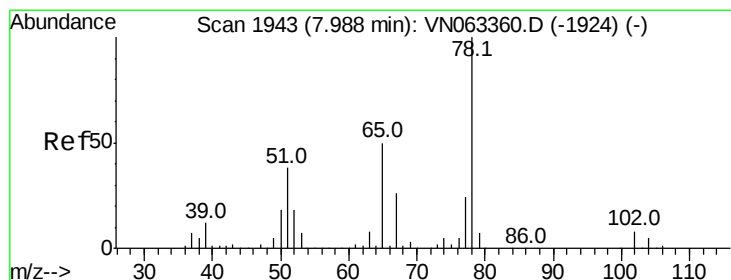
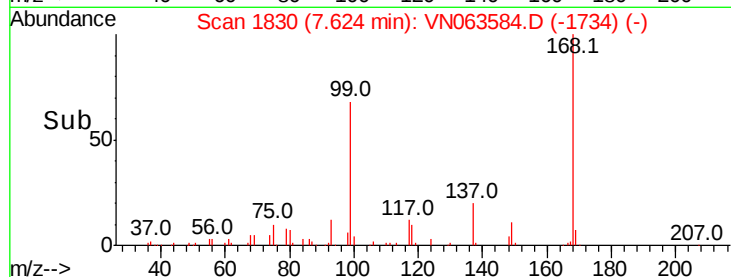
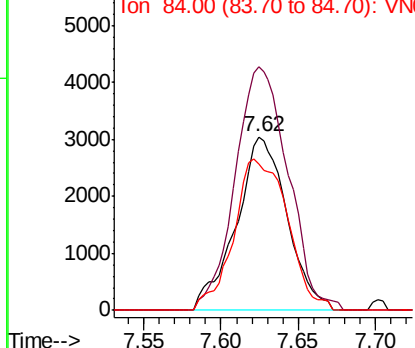
#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063584.D
Acq: 23 Sep 2020 13:19

Instrument :
MSVOA_N
ClientSampleId :
TB-01-200922

Tot Ion: 56 Resp: 6959
Ion Ratio Lower Upper
56 100
69 140.2 26.1 39.1#
84 84.4 65.4 98.2

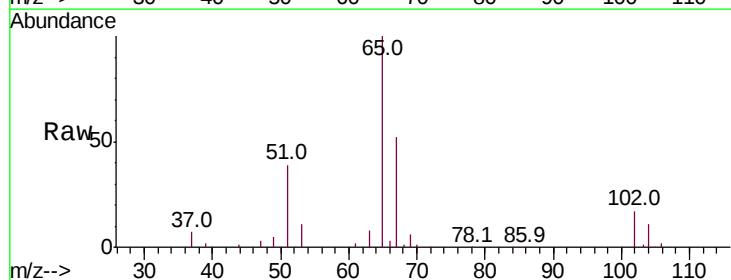


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

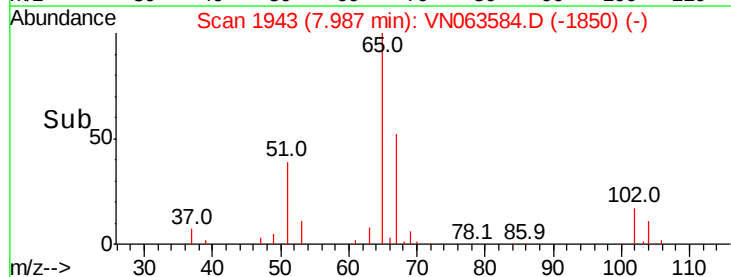
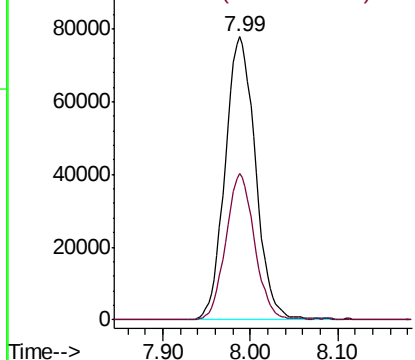


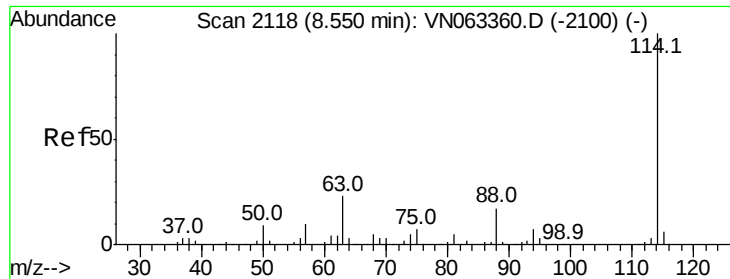
#33
1,2-Dichloroethane-d4
Concen: 49.742 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063584.D
Acq: 23 Sep 2020 13:19

Tgt Ion: 65 Resp: 187660
Ion Ratio Lower Upper
65 100
67 48.6 0.0 104.2



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

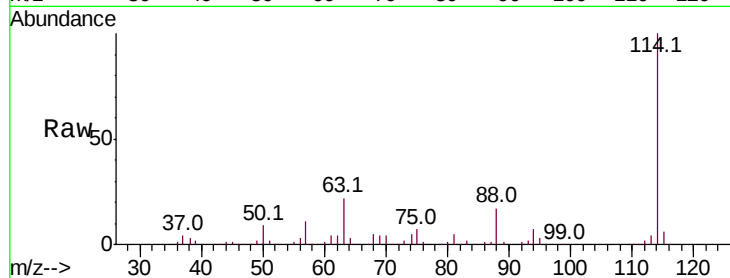




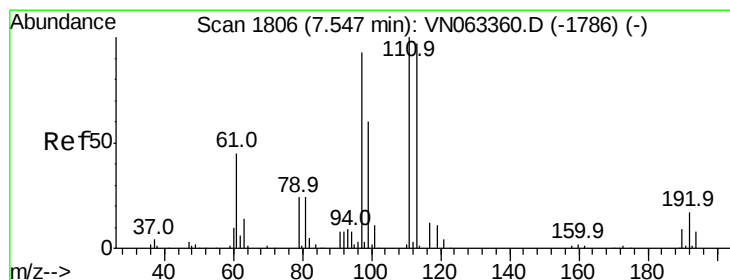
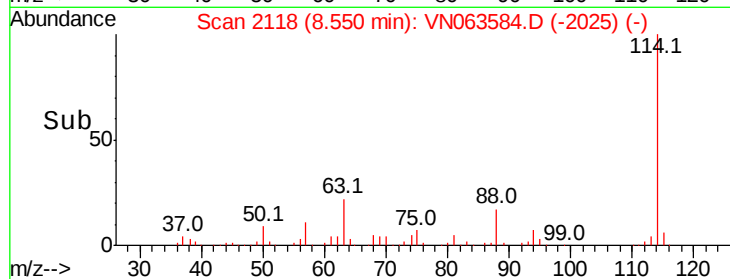
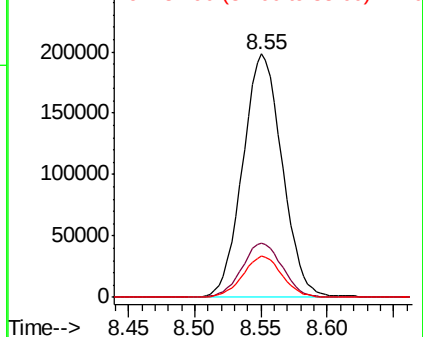
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063584.D
 Acq: 23 Sep 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200922

Tot Ion:	114	Resp:	410158
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.4
88	16.8	0.0	33.2

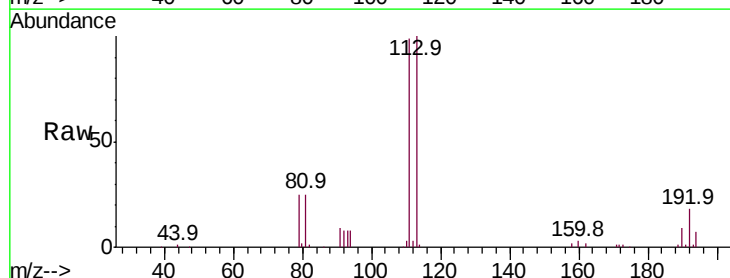


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

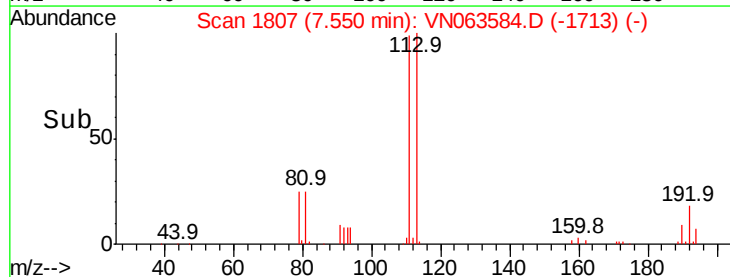
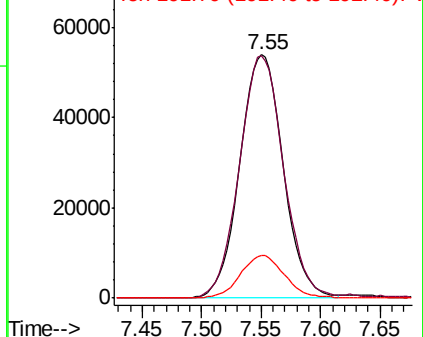


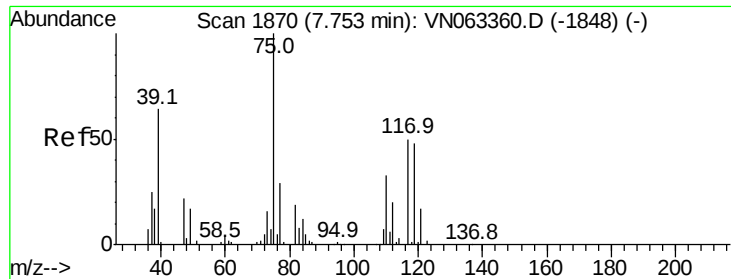
#35
 Dibromofluoromethane
 Concen: 47.956 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063584.D
 Acq: 23 Sep 2020 13:19

Tgt Ion:	113	Resp:	136167
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	17.8	13.9	20.9



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: 4.857 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

TB-01-200922

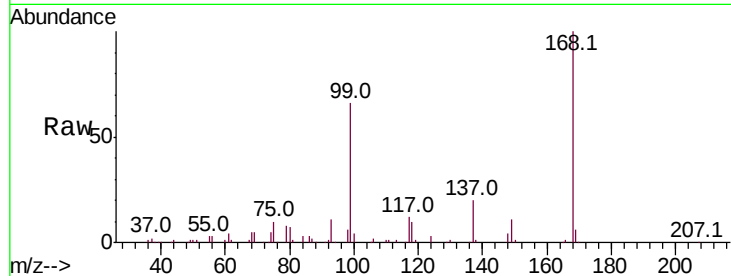
Tot Ion: 75 Resp: 21224

Ion Ratio Lower Upper

75 100

110 3.5 16.5 49.5#

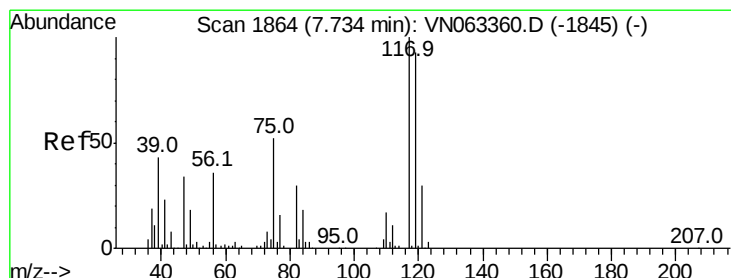
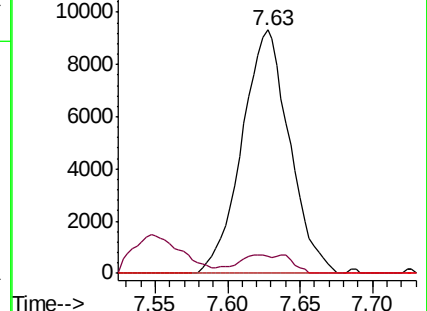
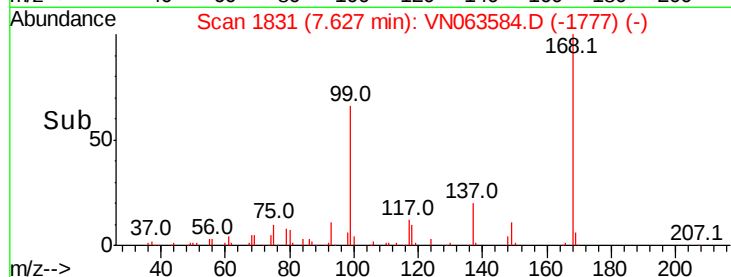
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.652 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

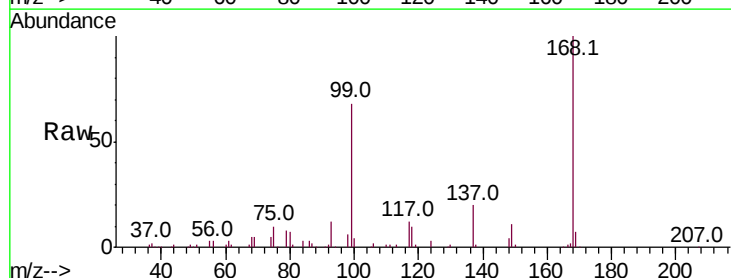
Tgt Ion: 117 Resp: 25212

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

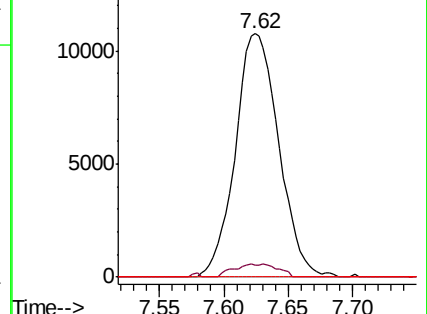
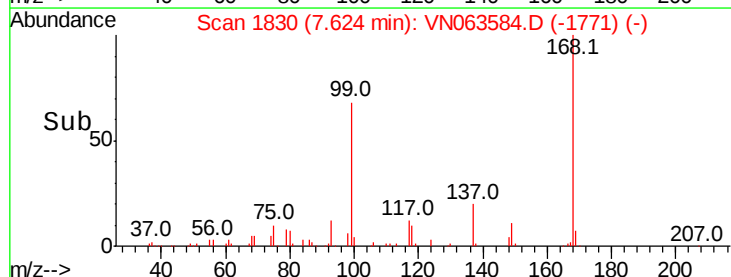
121 0.0 24.1 36.1#

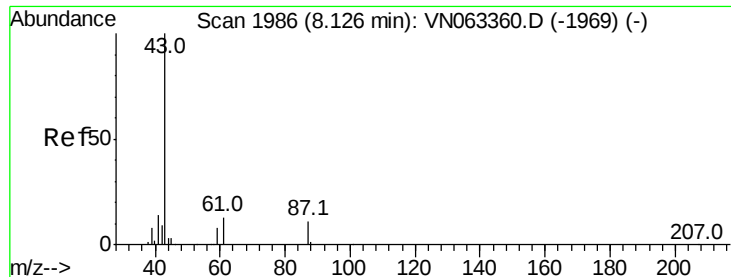


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#43

Isopropyl Acetate

Concen: 0.584 ug/l

RT: 8.31 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

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ClientSampleId :

TB-01-200922

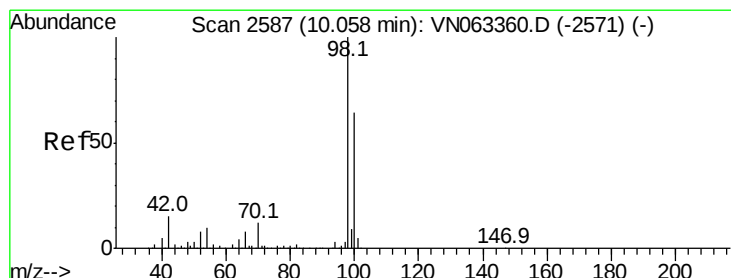
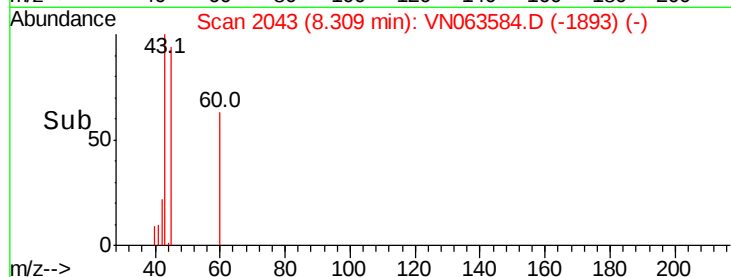
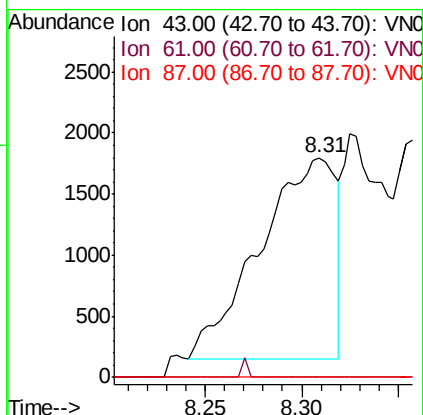
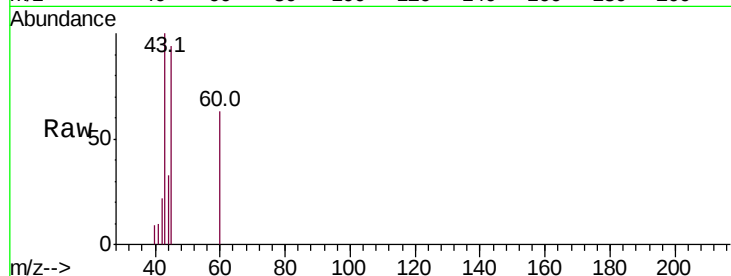
Tot Ion: 43 Resp: 4482

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

87 0.0 9.0 13.6#



#50

Toluene-d8

Concen: 49.890 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063584.D

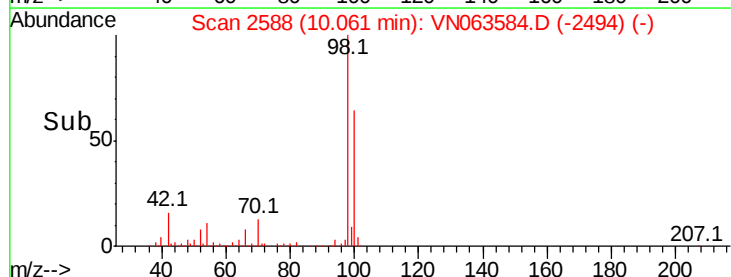
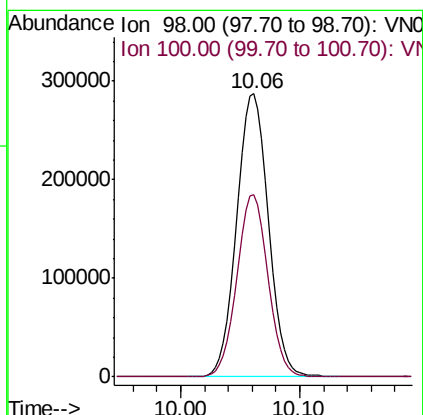
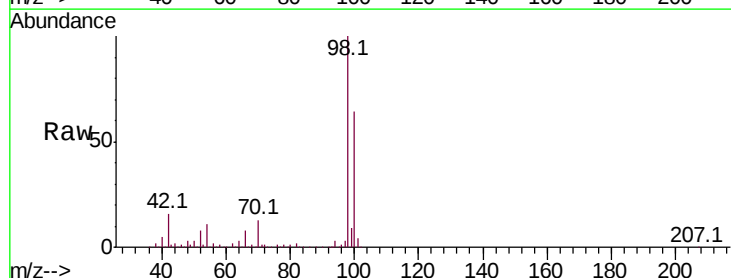
Acq: 23 Sep 2020 13:19

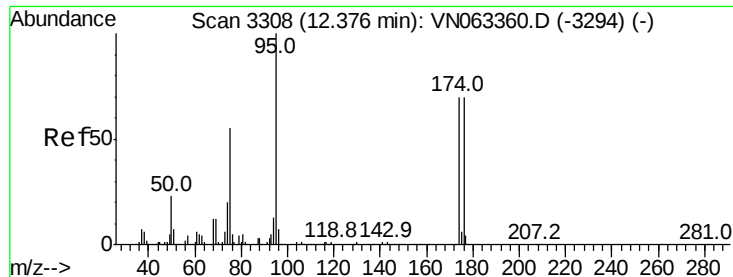
Tgt Ion: 98 Resp: 532661

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 52.388 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

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TB-01-200922

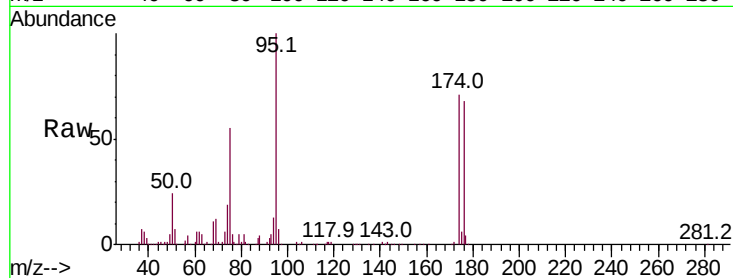
Tot Ion: 95 Resp: 205043

Ion Ratio Lower Upper

95 100

174 72.3 0.0 140.8

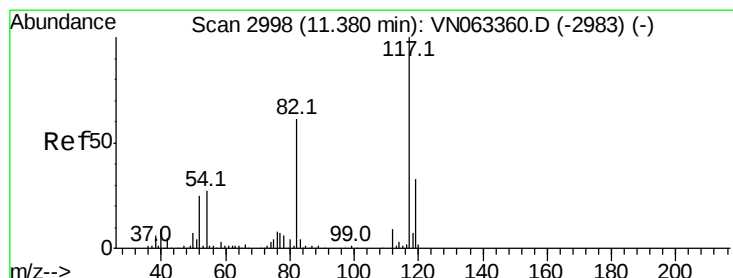
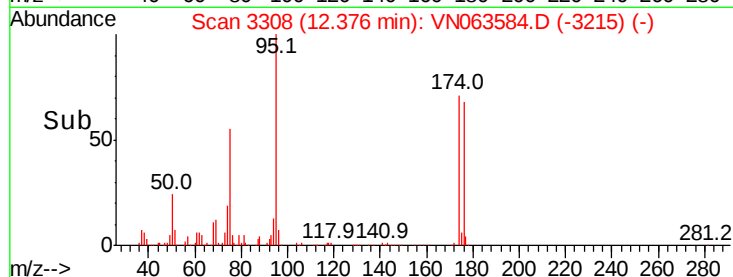
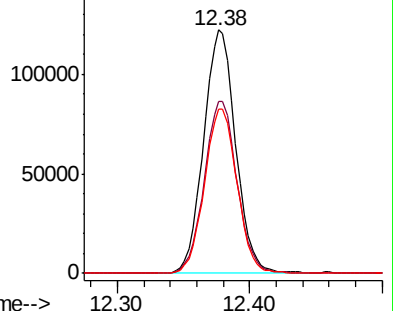
176 68.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063584.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063584.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063584.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

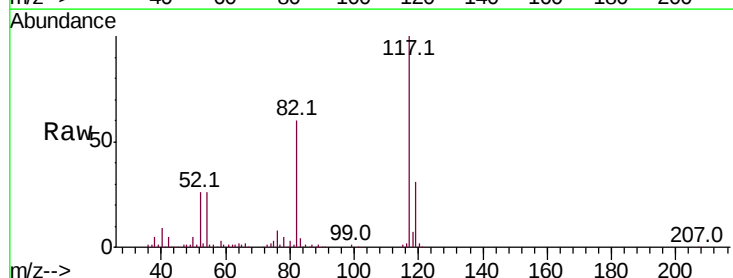
Tgt Ion: 117 Resp: 415187

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

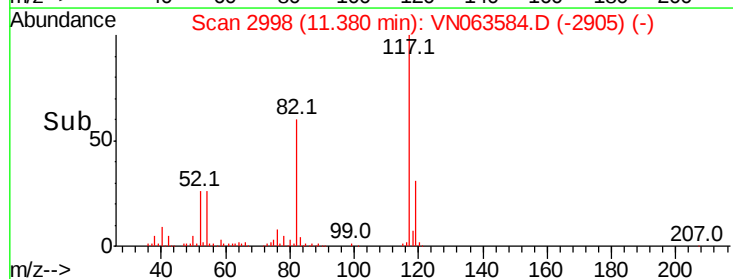
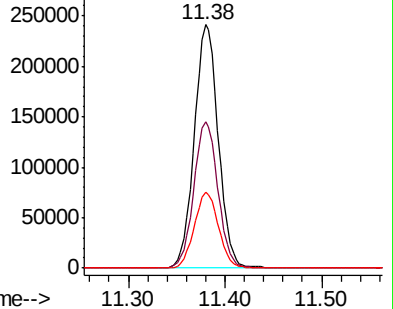
119 31.0 26.2 39.4

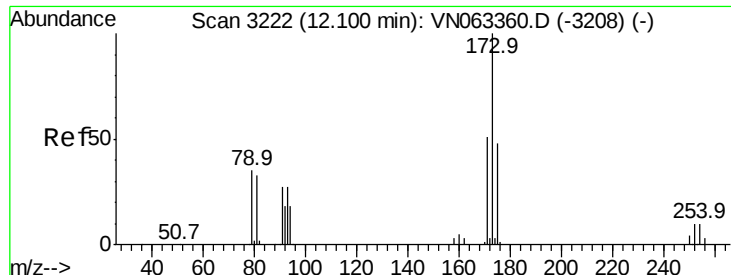


Abundance Ion 116.90 (116.60 to 117.60): VN063584.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063584.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063584.D (-2983) (-)





#71

Bromoform

Concen: 0.389 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

TB-01-200922

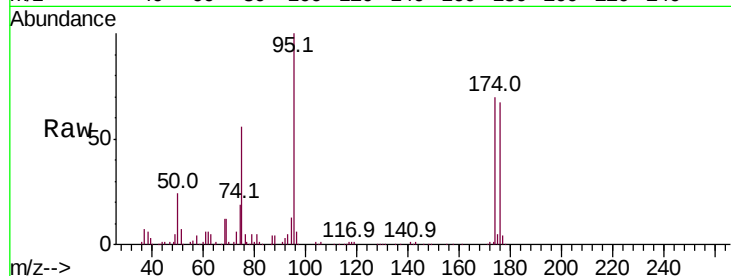
Tot Ion:173 Resp: 936

Ion Ratio Lower Upper

173 100

175 1023.4 24.0 72.0#

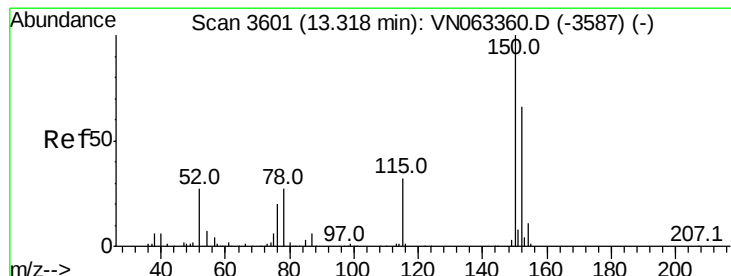
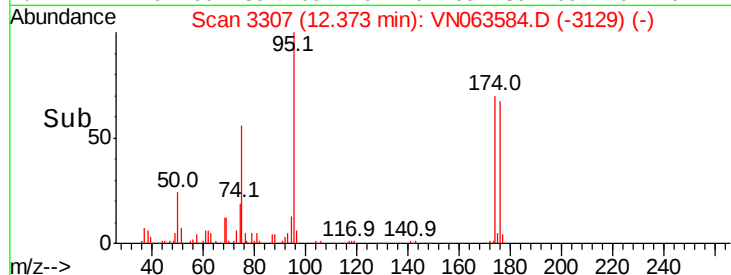
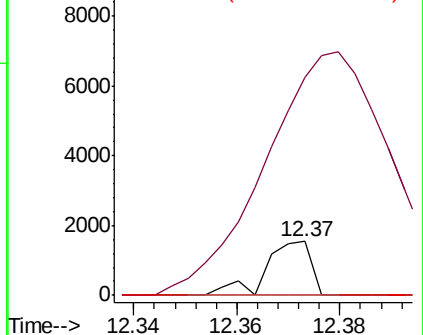
254 0.0 0.0 0.0



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: VN063584.D

Acq: 23 Sep 2020 13:19

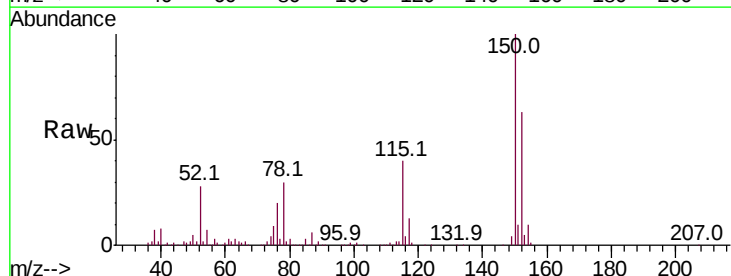
Tgt Ion:152 Resp: 170081

Ion Ratio Lower Upper

152 100

115 65.2 32.2 96.6

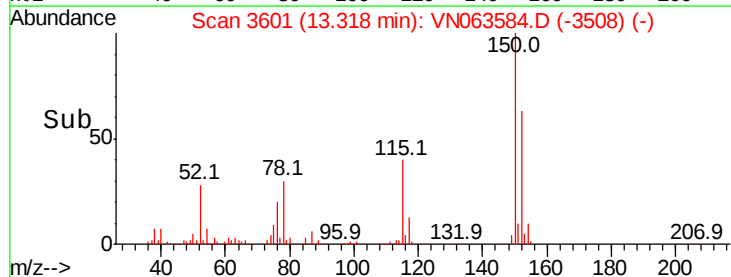
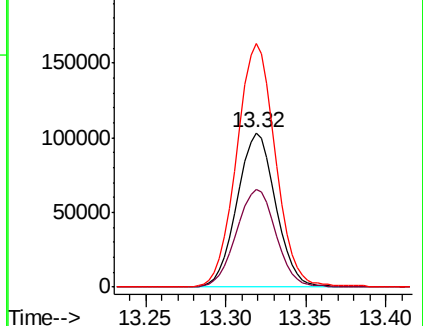
150 158.9 0.0 343.4

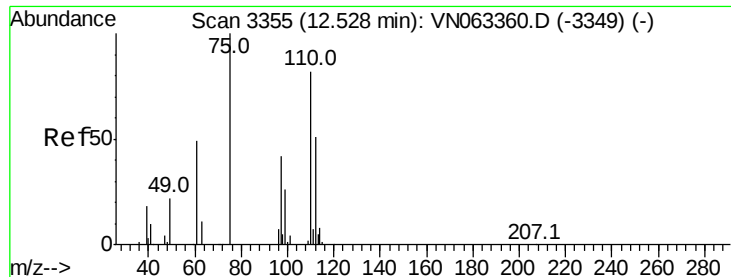


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.404 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

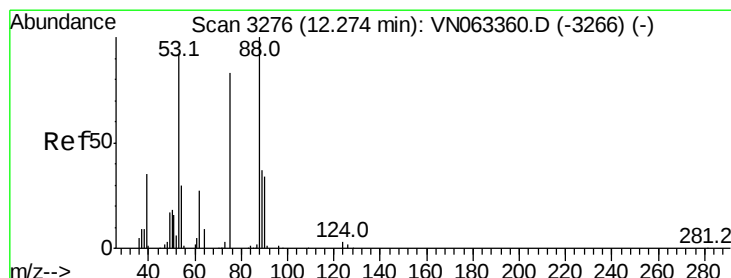
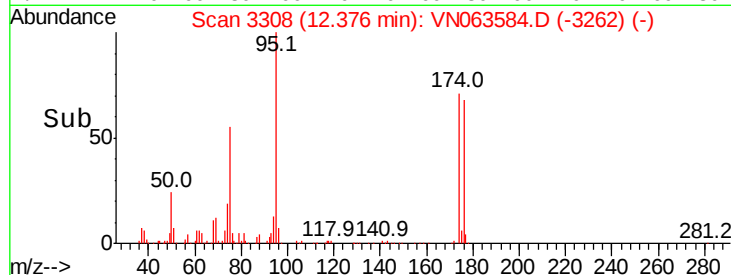
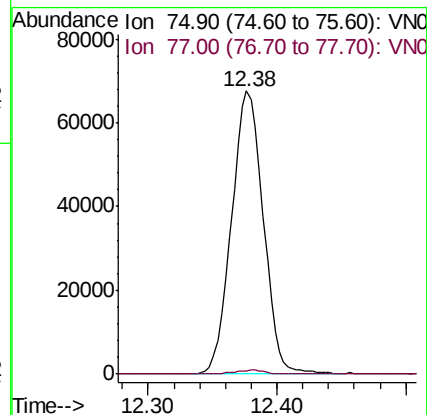
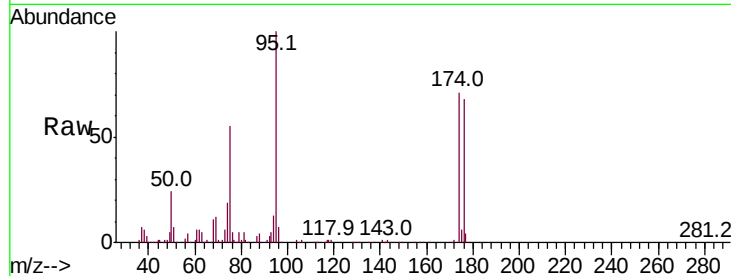
TB-01-200922

Tot Ion: 75 Resp: 115363

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.131 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

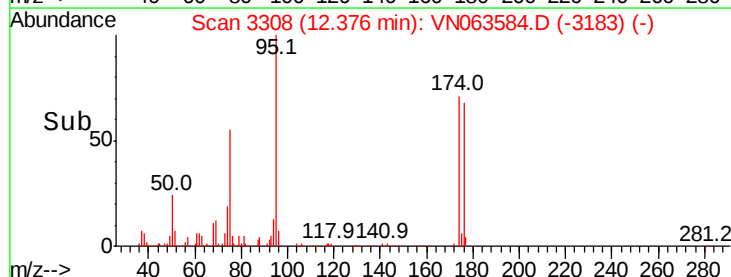
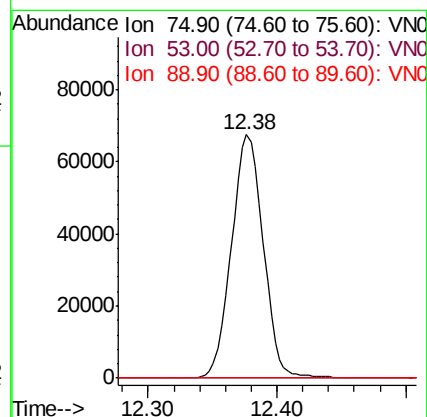
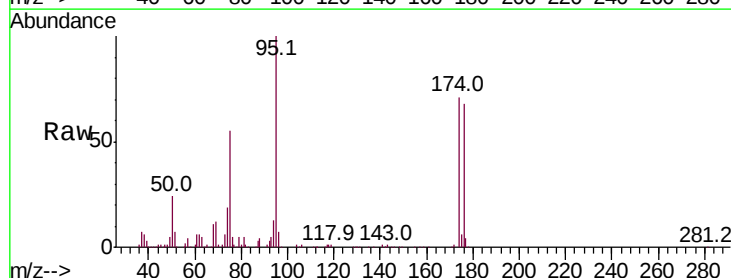
Tgt Ion: 75 Resp: 115363

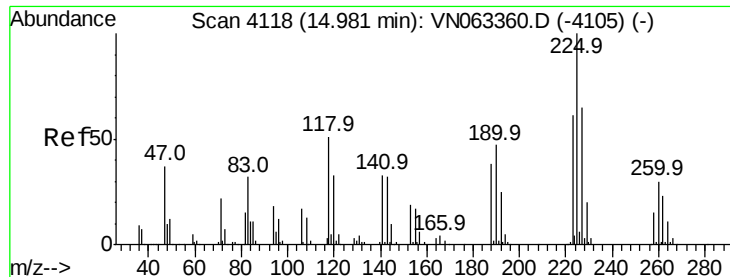
Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#





#94

Hexachlorobutadiene

Concen: 0.280 ug/l

RT: 14.97 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

TB-01-200922

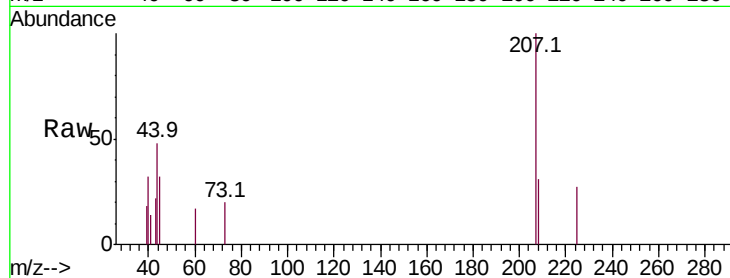
Tot Ion:225 Resp: 381

Ion Ratio Lower Upper

225 100

223 30.7 30.6 91.6

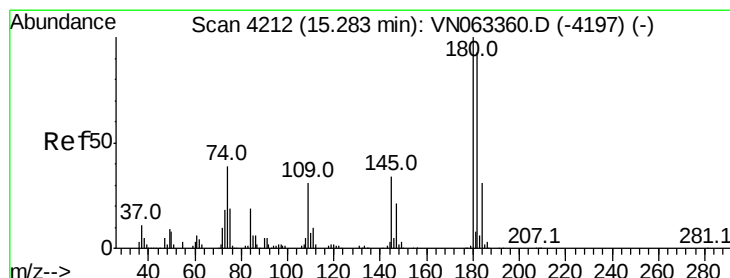
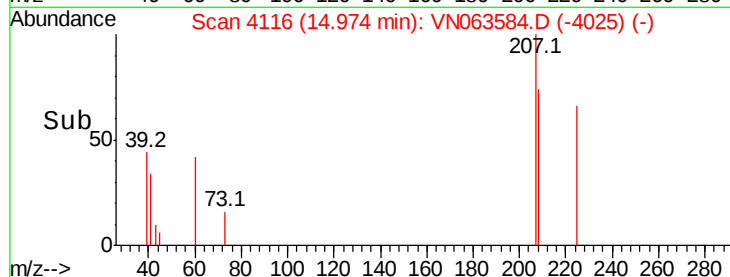
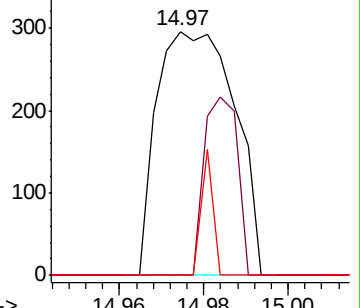
227 7.9 31.2 93.6#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.200 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN063584.D

Acq: 23 Sep 2020 13:19

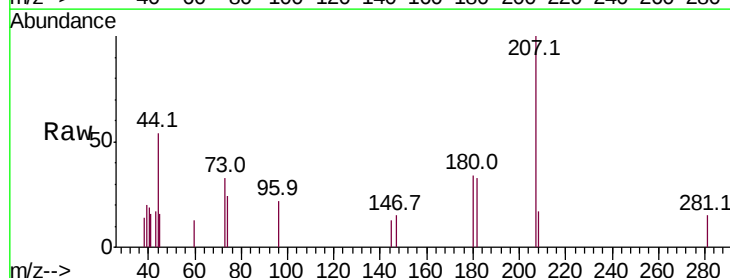
Tgt Ion:180 Resp: 636

Ion Ratio Lower Upper

180 100

182 75.3 46.7 140.1

145 22.3 16.8 50.3



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

