

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063499.D
 Acq On : 21 Sep 2020 20:30
 Operator : JC/MD
 Sample : L4072-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Sep 22 02:28:15 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	262927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	482500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	481602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212262	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	208202	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	7.55	113	152596	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
50) Toluene-d8	10.06	98	622704	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.38	95	250169	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	

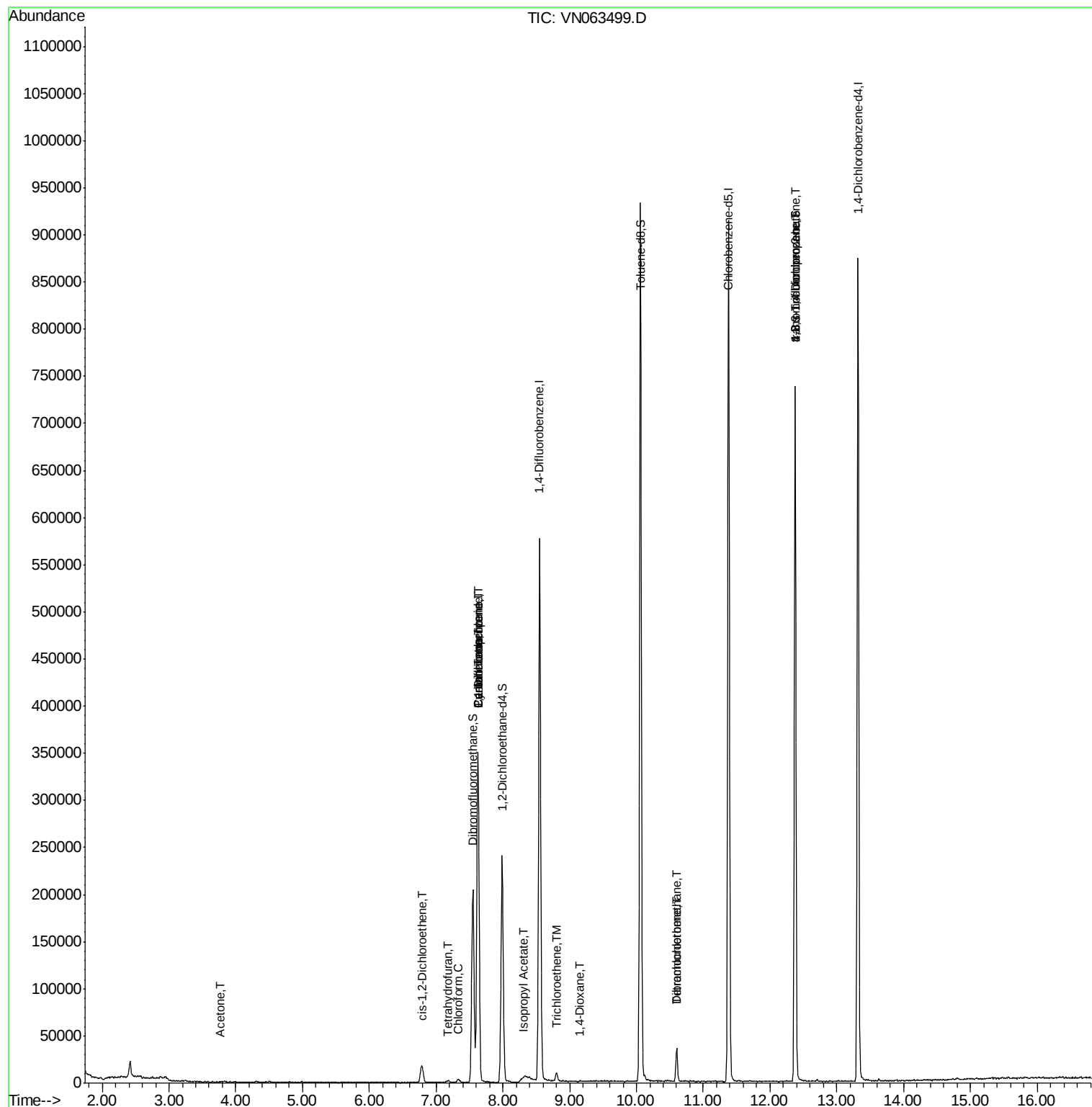
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	358	0.249	ug/l #	47
27) cis-1,2-Dichloroethene	6.79	96	11728	3.152	ug/l	82
29) Tetrahydrofuran	7.17	42	1563	1.034	ug/l #	42
30) Chloroform	7.33	83	1812	0.276	ug/l	99
31) Cyclohexane	7.63	56	7563	1.224	ug/l #	41
36) 1,1-Dichloropropene	7.62	75	24198	4.707	ug/l #	48
38) Carbon Tetrachloride	7.62	117	28462	5.424	ug/l #	18
43) Isopropyl Acetate	8.31	43	5800	0.643	ug/l #	64
44) Trichloroethene	8.80	130	3144	0.883	ug/l	79
49) 1,4-Dioxane	9.16	88	96	1.509	ug/l #	1
60) Dibromochloromethane	10.60	129	7216	1.823	ug/l #	10
64) Tetrachloroethene	10.60	164	7020	2.141	ug/l	95
76) 1,2,3-Trichloropropane	12.38	75	134880	25.673	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	134880	70.385	ug/l #	7

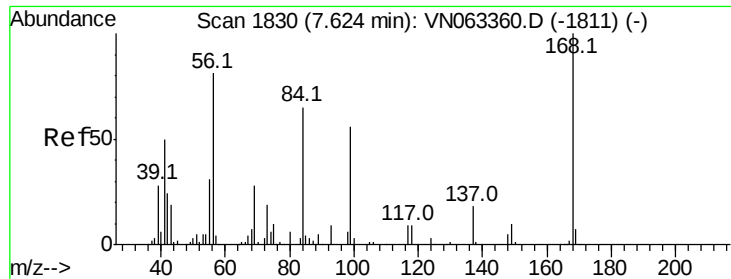
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

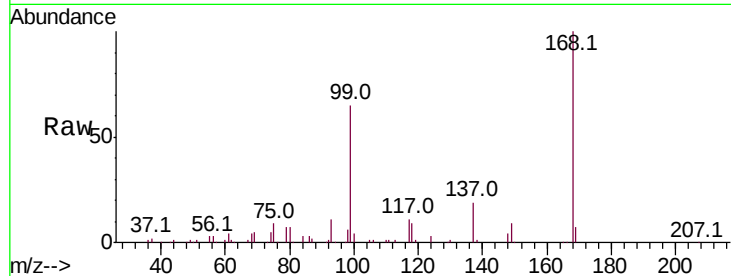
MW-8

Tot Ion:168 Resp: 262927

Ion Ratio Lower Upper

168 100

99 65.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

120000

100000

80000

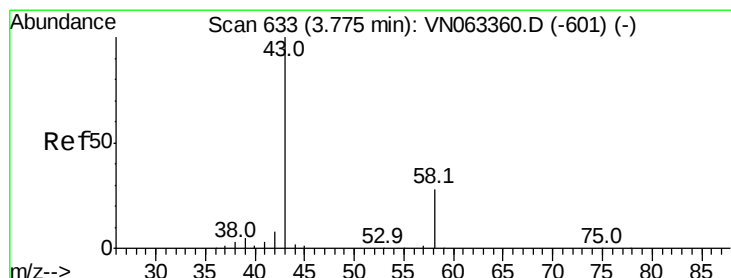
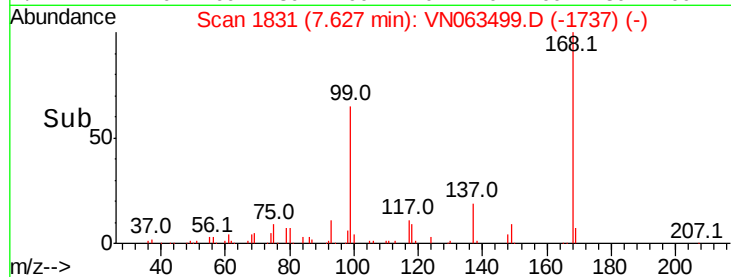
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.249 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN063499.D

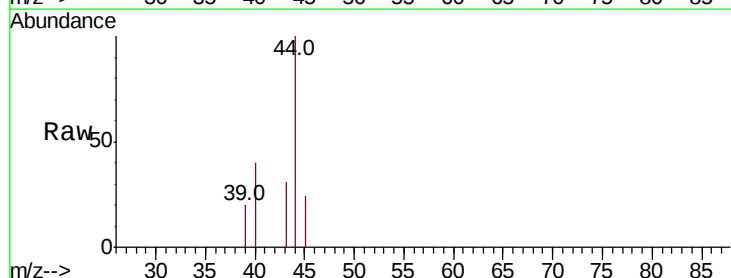
Acq: 21 Sep 2020 20:30

Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

400

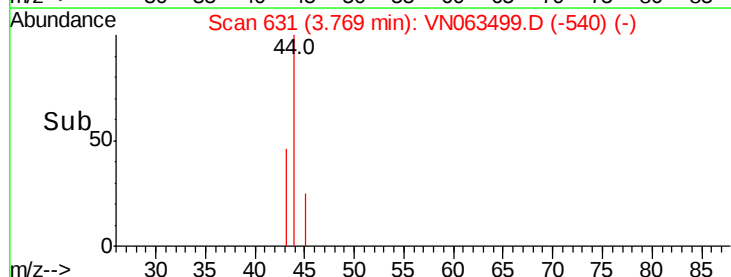
300

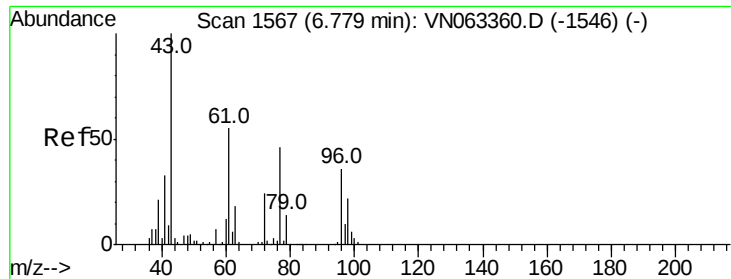
200

100

0

Time--> 3.74 3.75 3.76 3.77 3.78





#27

cis-1,2-Dichloroethene

Concen: 3.152 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

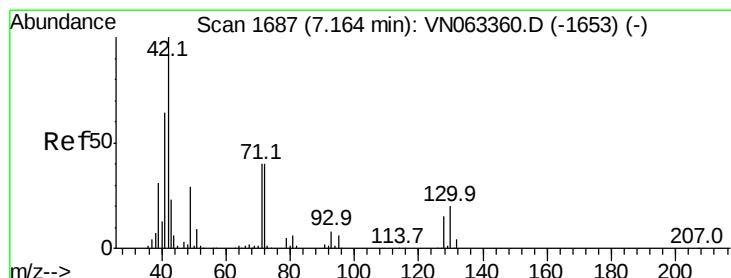
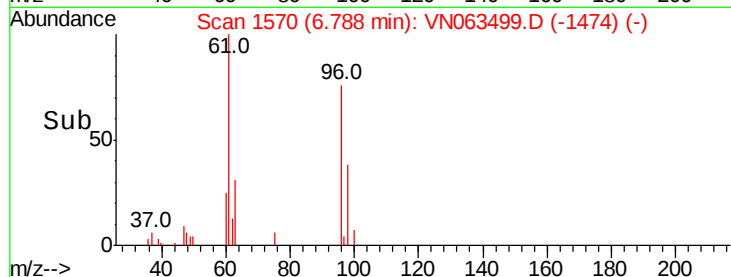
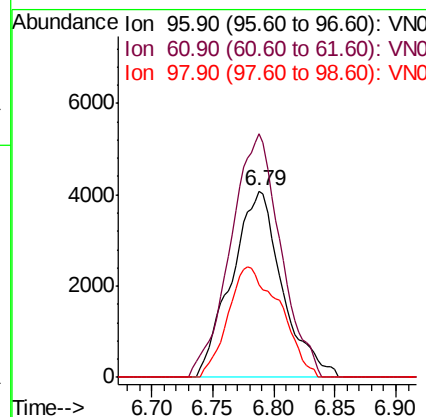
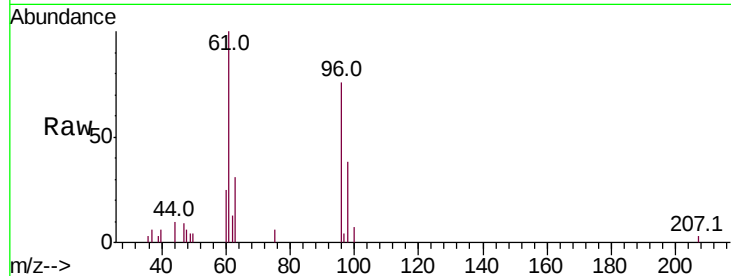
Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion: 96 Resp: 11728

Ion	Ratio	Lower	Upper
96	100		
61	129.2	0.0	319.6
98	61.3	0.0	127.8



#29

Tetrahydrofuran

Concen: 1.034 ug/l

RT: 7.17 min Scan# 1689

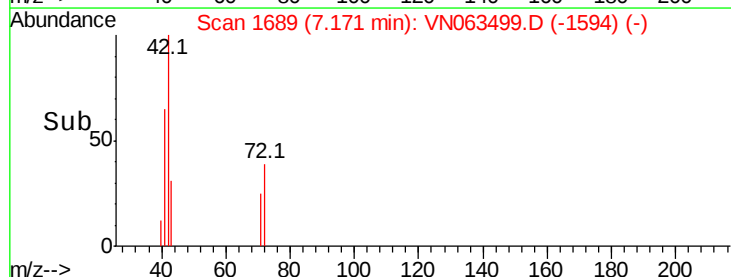
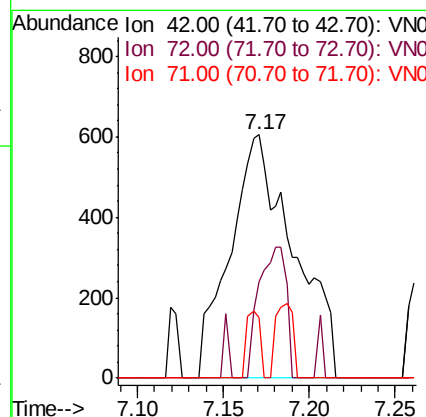
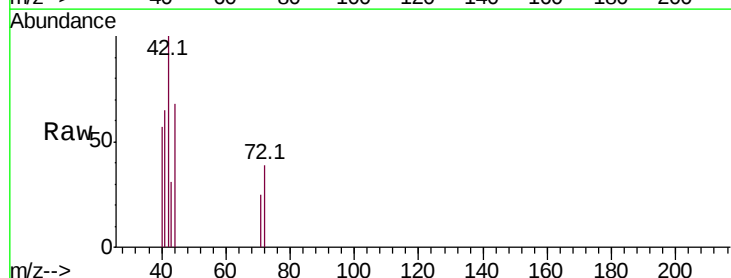
Delta R.T. 0.01 min

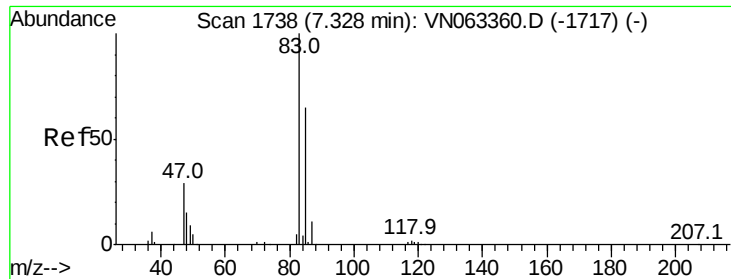
Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Tgt Ion: 42 Resp: 1563

Ion	Ratio	Lower	Upper
42	100		
72	2.0	32.1	48.1#
71	5.8	31.2	46.8#





#30

Chloroform

Concen: 0.276 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

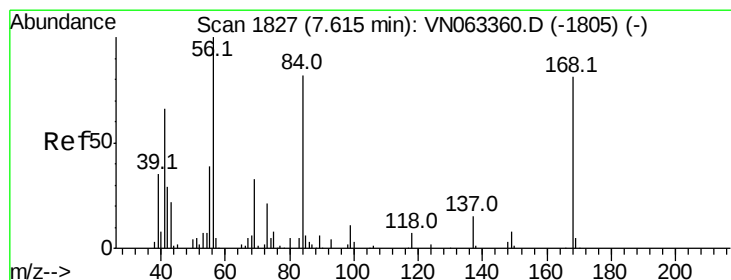
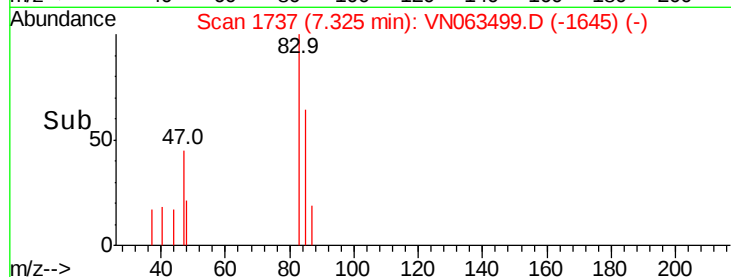
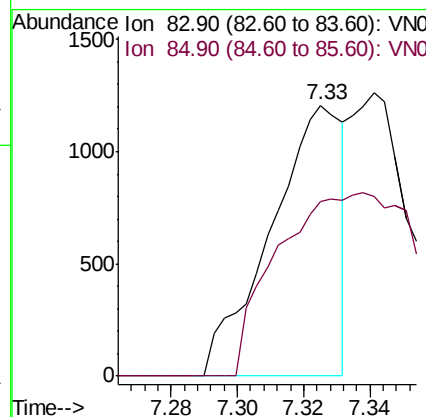
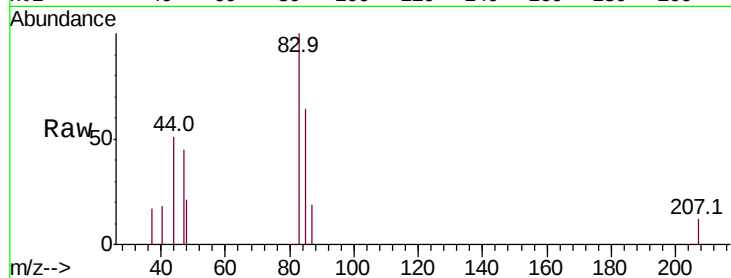
MW-8

Tot Ion: 83 Resp: 1812

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

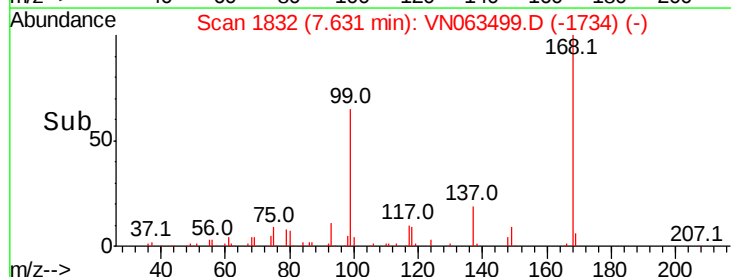
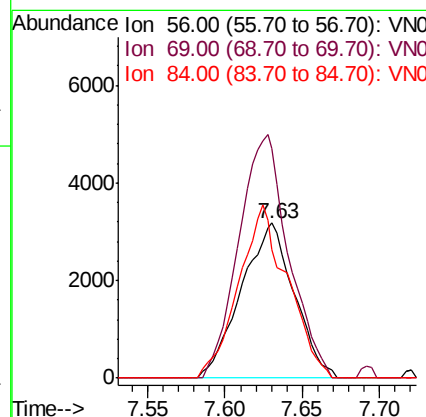
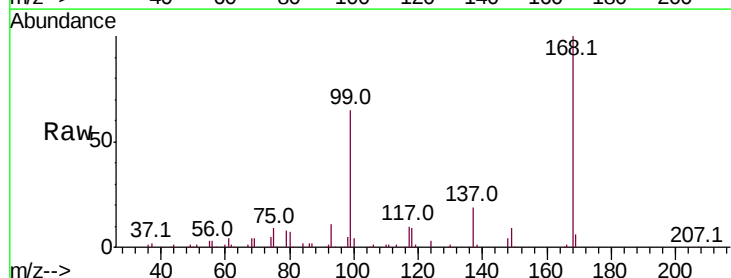
Tgt Ion: 56 Resp: 7563

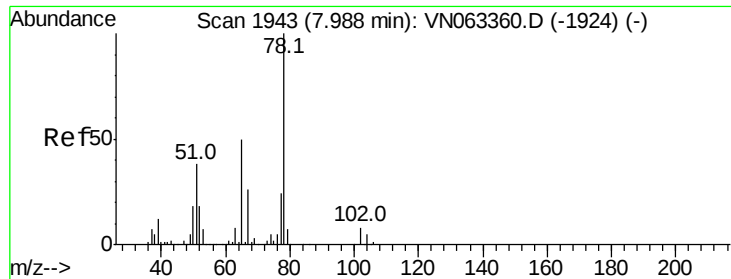
Ion Ratio Lower Upper

56 100

69 148.2 26.1 39.1#

84 82.5 65.4 98.2

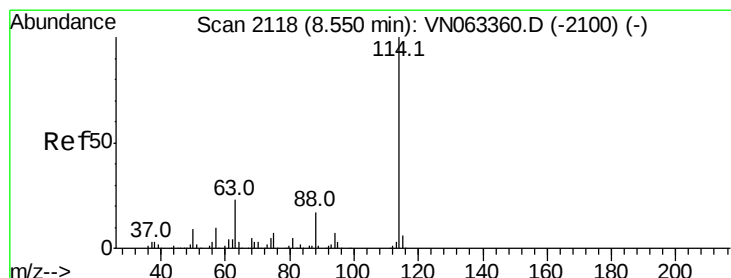
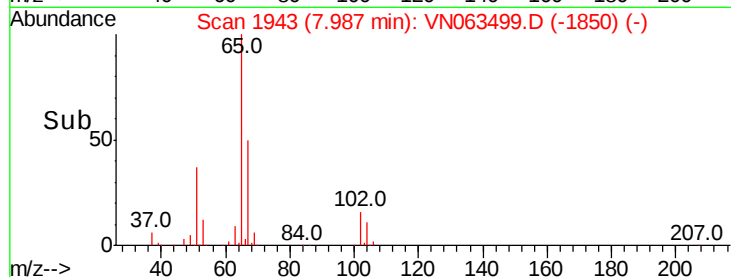
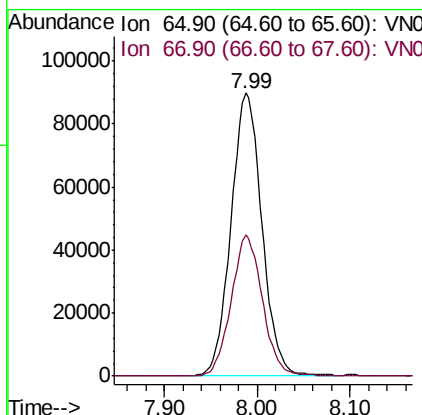
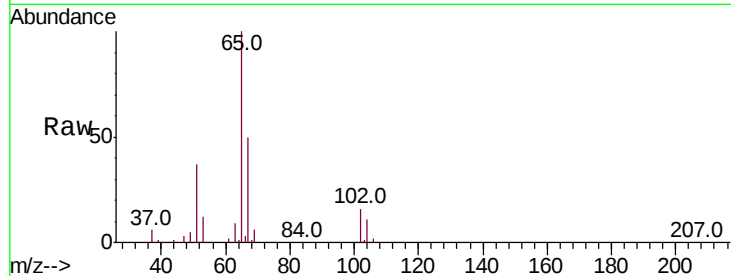




#33
 1,2-Dichloroethane-d4
 Concen: 46.518 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063499.D
 Acq: 21 Sep 2020 20:30

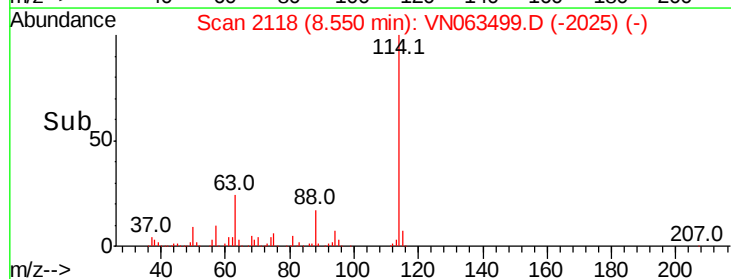
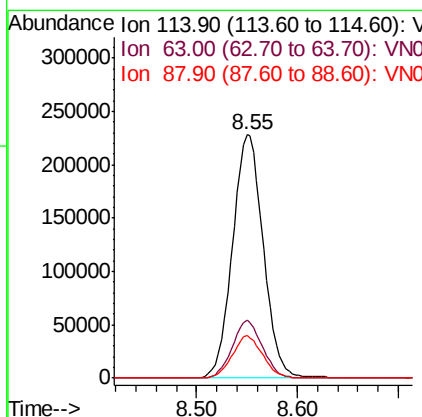
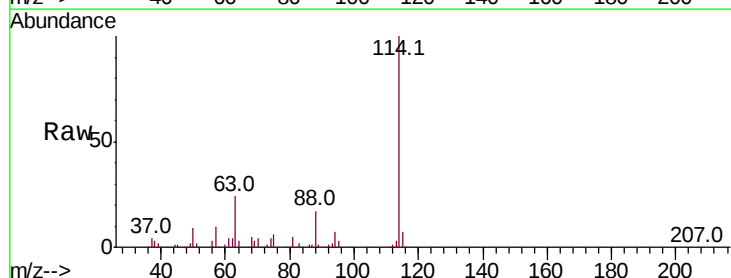
Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

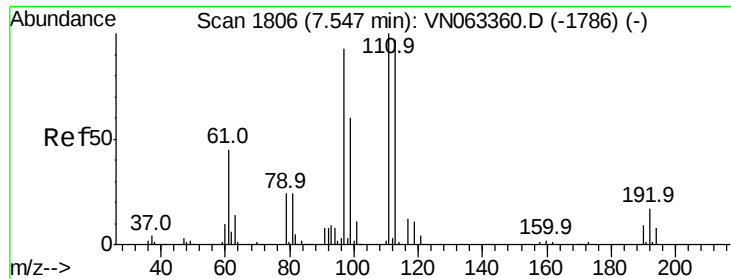
Tot Ion: 65 Resp: 208202
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063499.D
 Acq: 21 Sep 2020 20:30

Tgt Ion: 114 Resp: 482500
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.4
 88 17.3 0.0 33.2

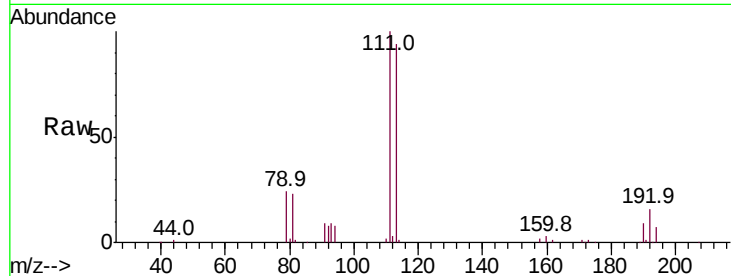




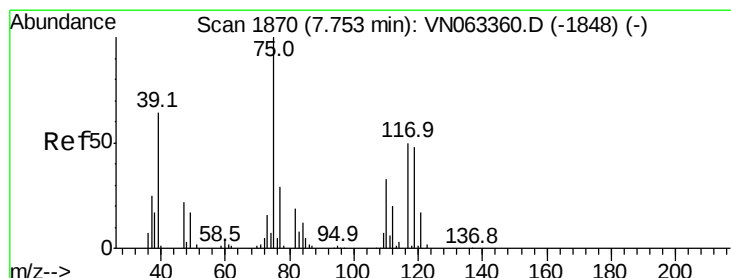
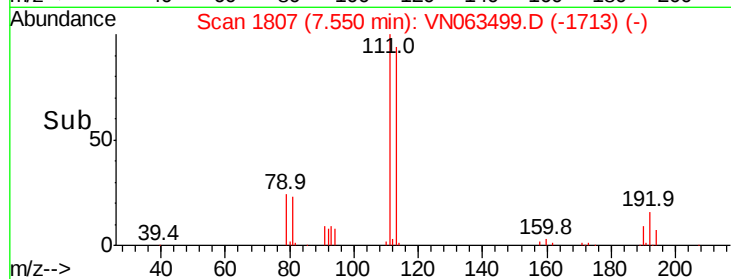
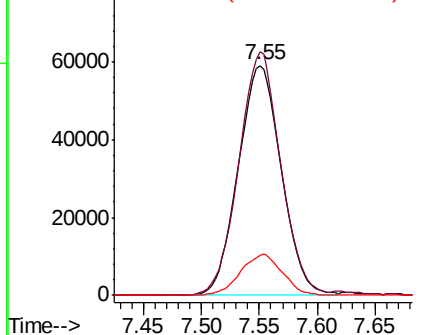
#35
Dibromofluoromethane
Concen: 45.684 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063499.D
Acq: 21 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:113 Resp: 152596
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 17.3 13.9 20.9

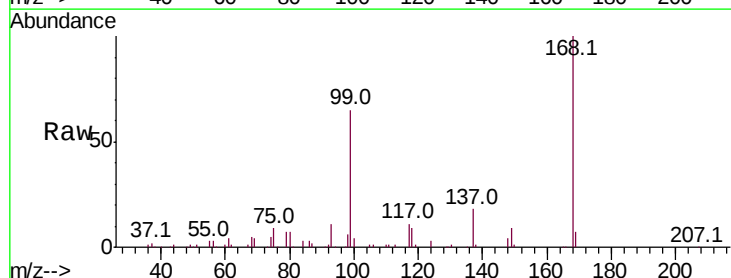


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

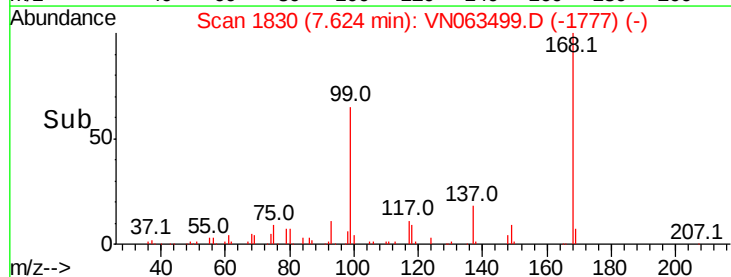
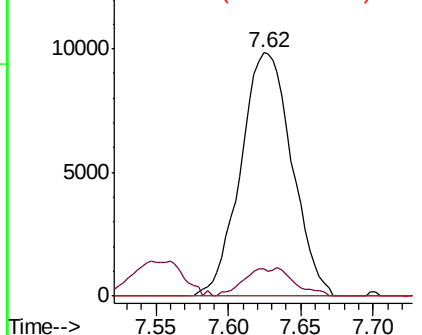


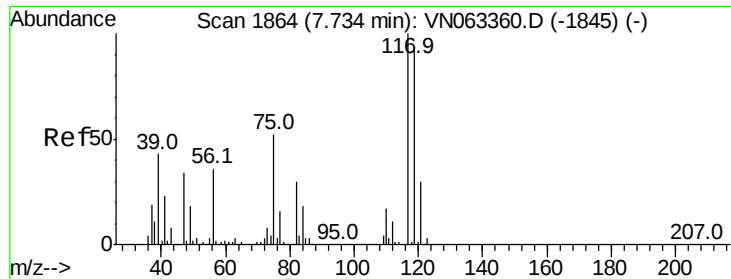
#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063499.D
Acq: 21 Sep 2020 20:30

Tgt Ion: 75 Resp: 24198
Ion Ratio Lower Upper
75 100
110 5.8 16.5 49.5#
77 0.0 24.6 36.8#



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: 5.424 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

MW-8

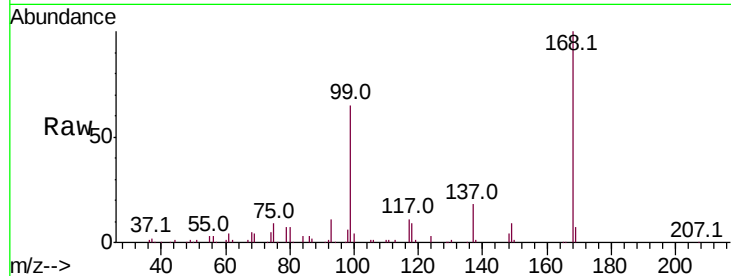
Tot Ion:117 Resp: 28462

Ion Ratio Lower Upper

117 100

119 6.3 74.5 111.7#

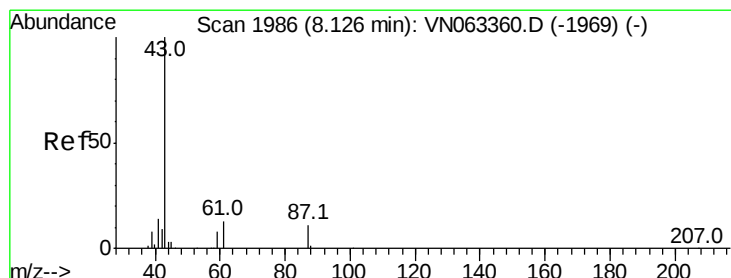
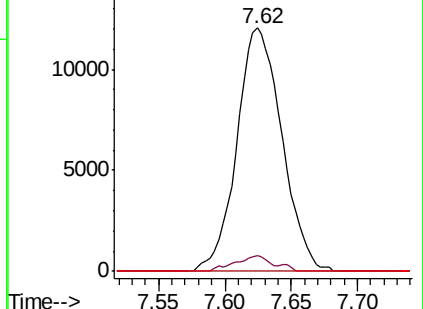
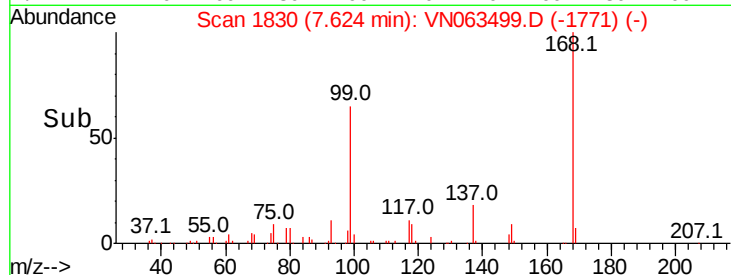
121 0.0 24.1 36.1#



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: 0.643 ug/l

RT: 8.31 min Scan# 2042

Delta R.T. 0.18 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

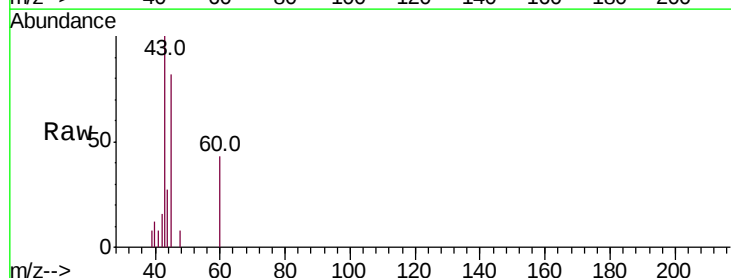
Tgt Ion: 43 Resp: 5800

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

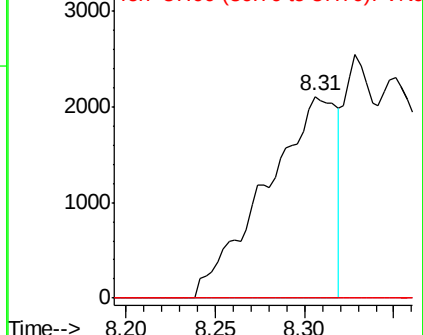
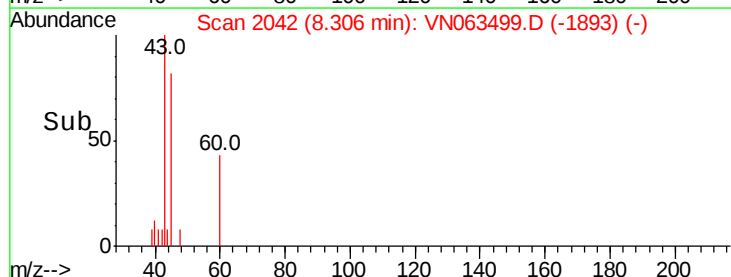
87 0.0 9.0 13.6#

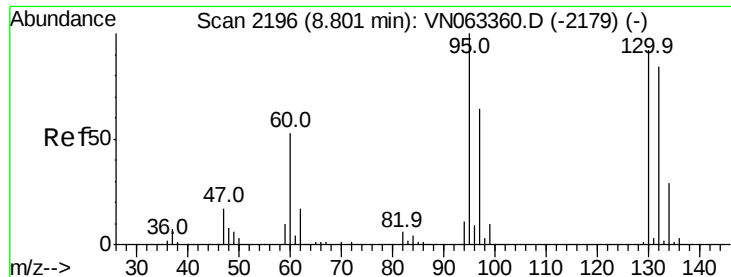


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 0.883 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

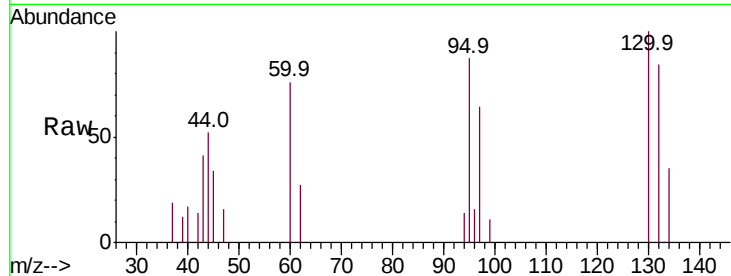
MW-8

Tot Ion:130 Resp: 3144

Ion Ratio Lower Upper

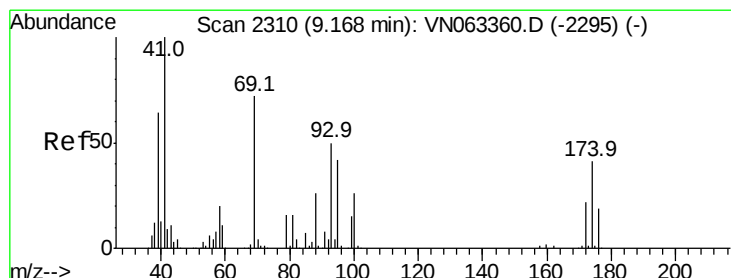
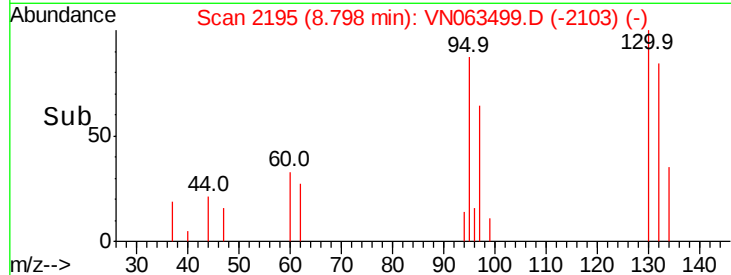
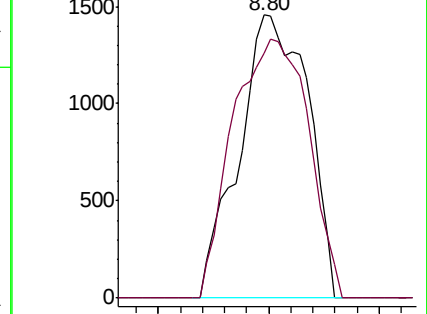
130 100

95 86.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 1.509 ug/l

RT: 9.16 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

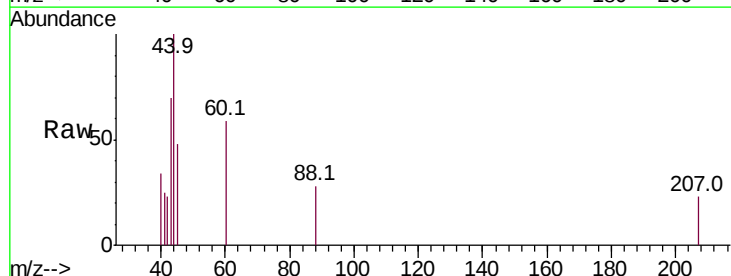
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 474.0 32.6 49.0#

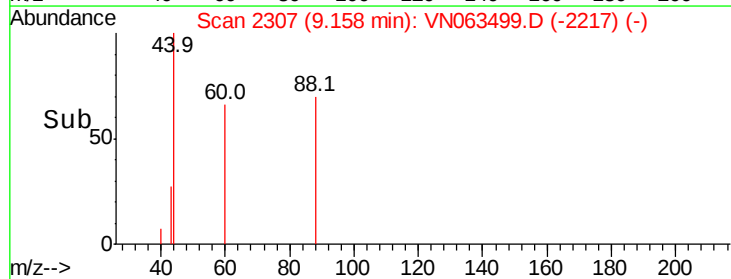
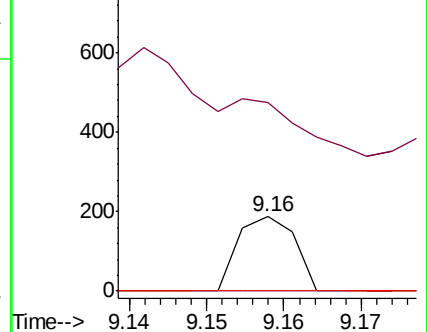
58 0.0 60.0 90.0#

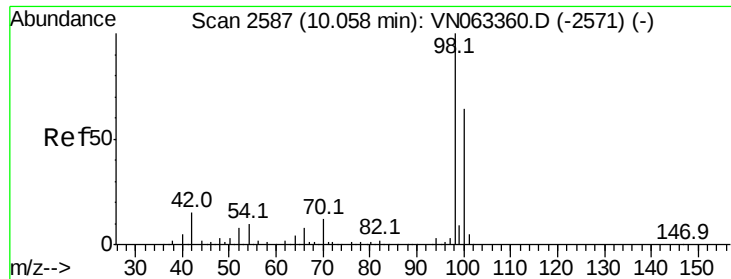


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 49.579 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

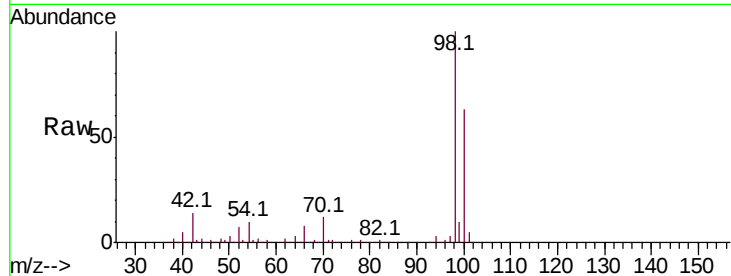
MW-8

Tot Ion: 98 Resp: 622704

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

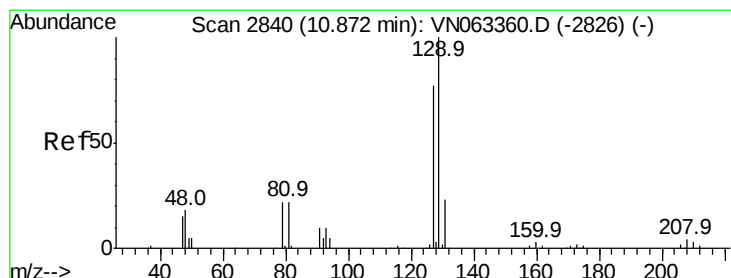
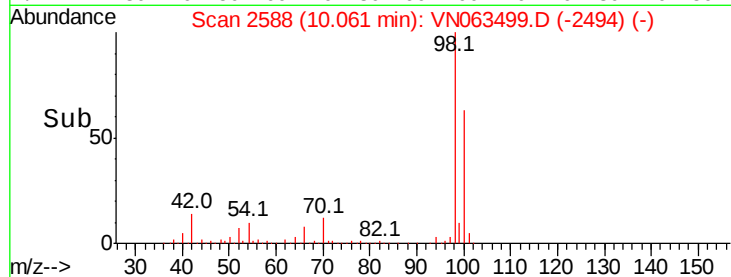
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 1.823 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063499.D

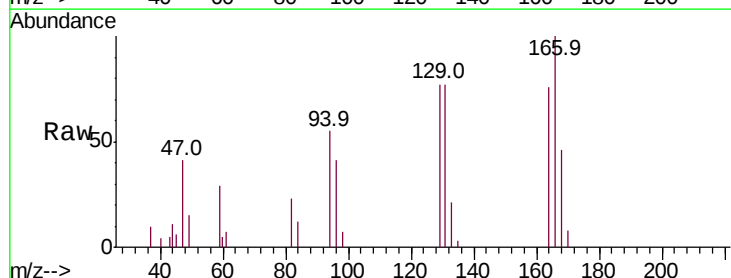
Acq: 21 Sep 2020 20:30

Tgt Ion: 129 Resp: 7216

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VN063360.D (-2826) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2826) (-)

10.60

5000

4000

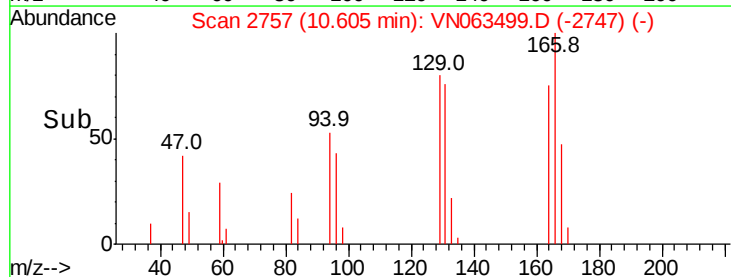
3000

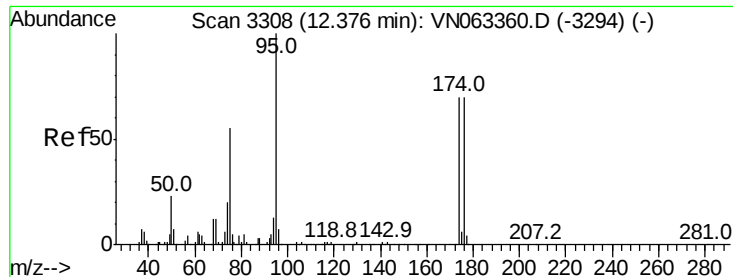
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 54.334 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

MW-8

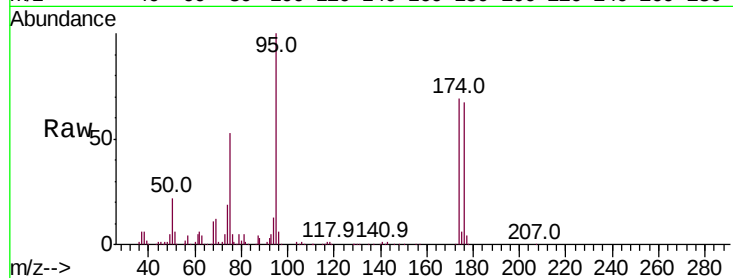
Tot Ion: 95 Resp: 250169

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.8

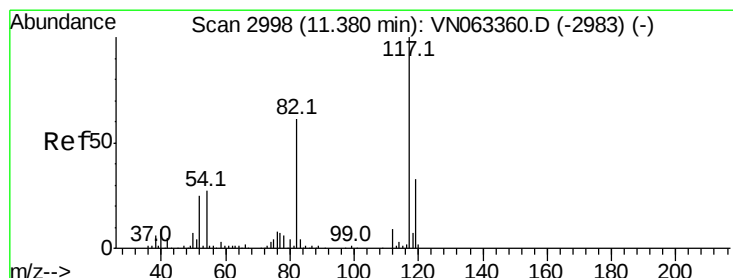
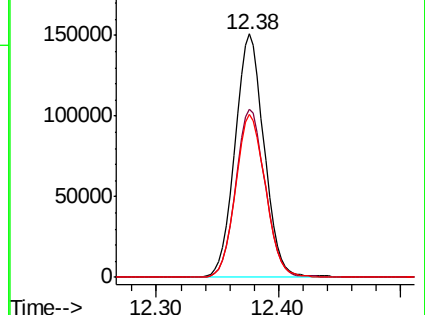
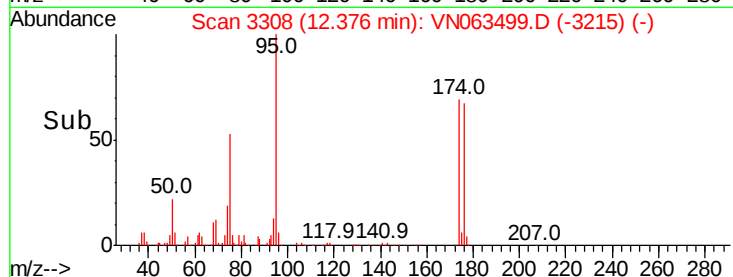
176 68.3 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063499.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063499.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063499.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

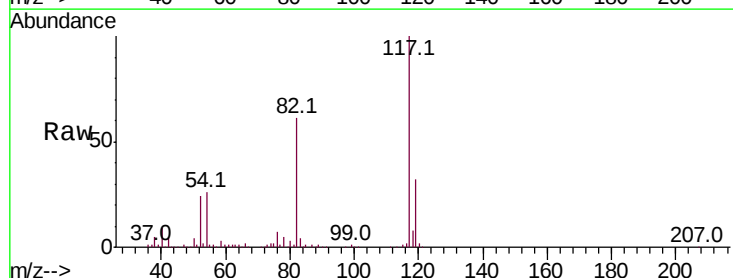
Tgt Ion: 117 Resp: 481602

Ion Ratio Lower Upper

117 100

82 60.5 49.2 73.8

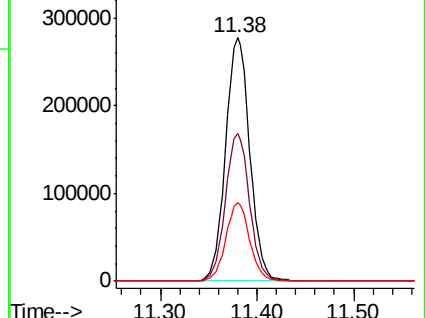
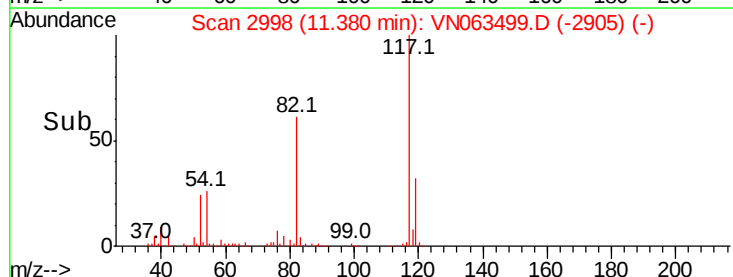
119 32.1 26.2 39.4

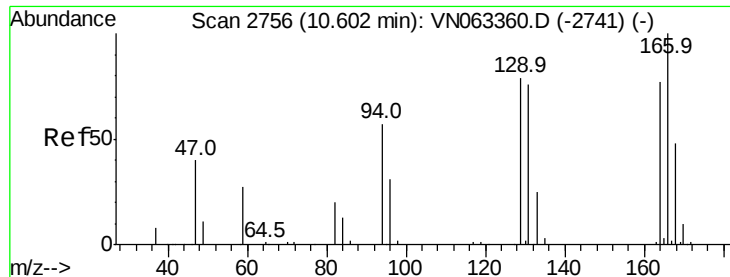


Abundance Ion 116.90 (116.60 to 117.60): VN063499.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063499.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063499.D (-2905) (-)





#64

Tetrachloroethene

Concen: 2.141 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

MW-8

Tot Ion:164 Resp: 7020

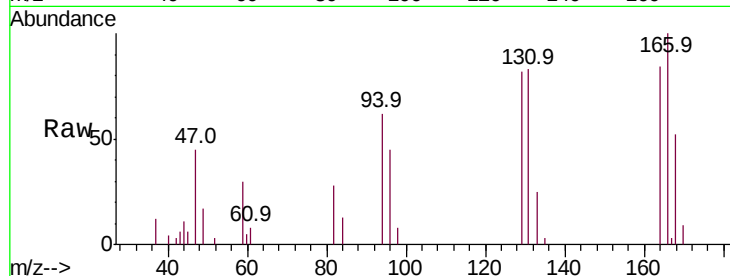
Ion Ratio Lower Upper

164 100

166 118.4 103.4 155.0

129 97.5 81.8 122.6

131 98.2 78.2 117.4

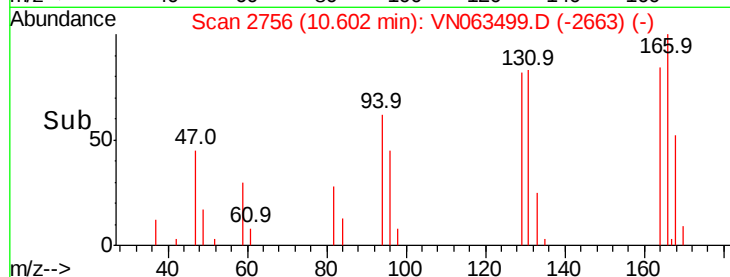


Abundance Ion 163.80 (163.50 to 164.50): V

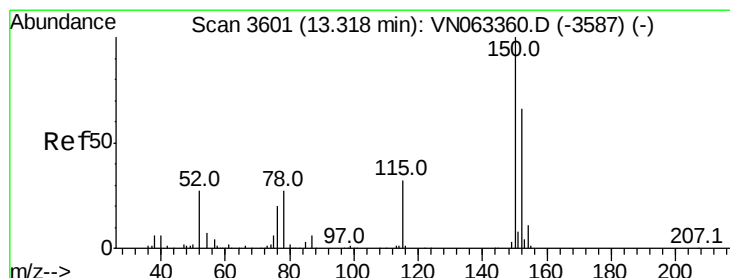
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

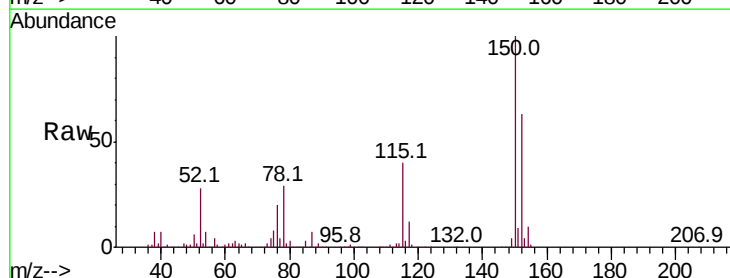
Tgt Ion:152 Resp: 212262

Ion Ratio Lower Upper

152 100

115 63.4 32.2 96.6

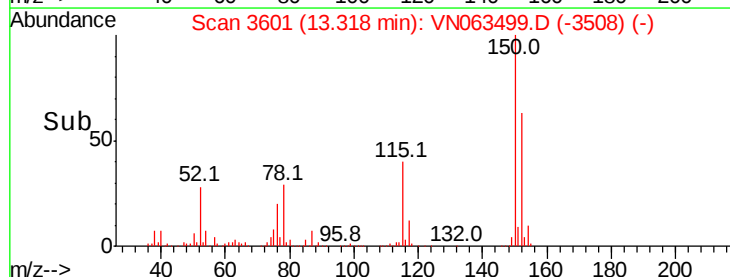
150 157.6 0.0 343.4



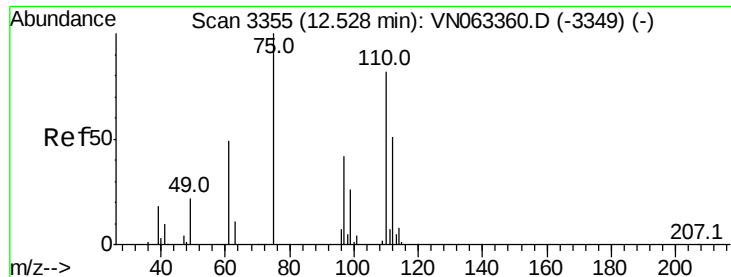
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.673 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampled :

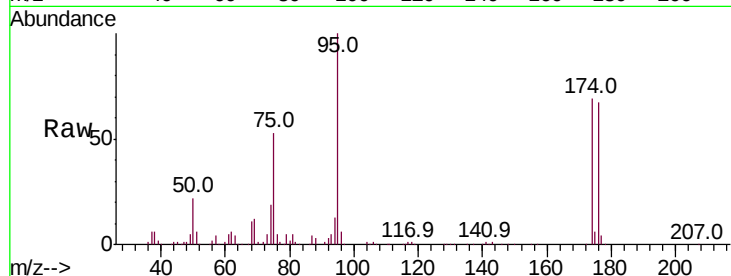
MW-8

Tot Ion: 75 Resp: 134880

Ion Ratio Lower Upper

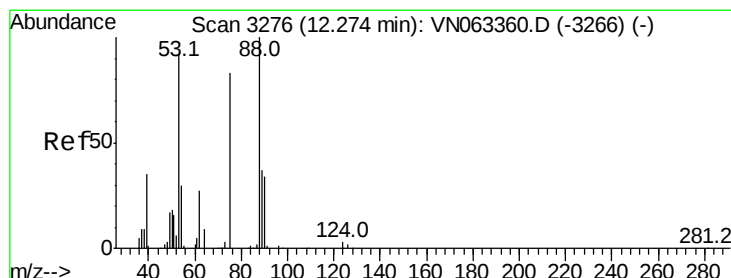
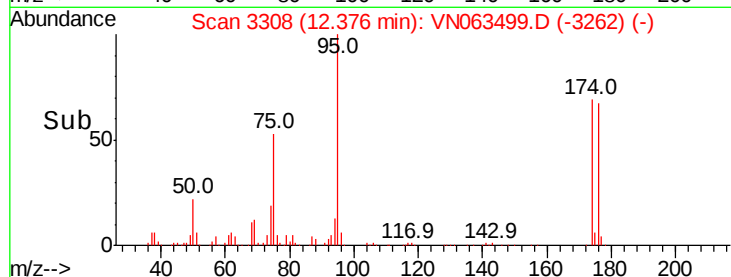
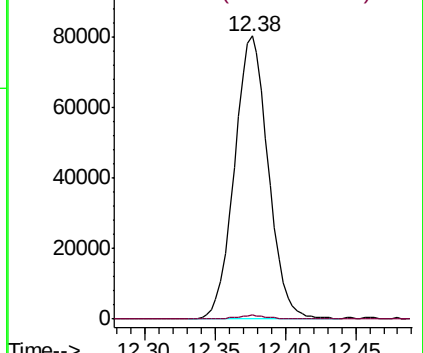
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.385 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063499.D

Acq: 21 Sep 2020 20:30

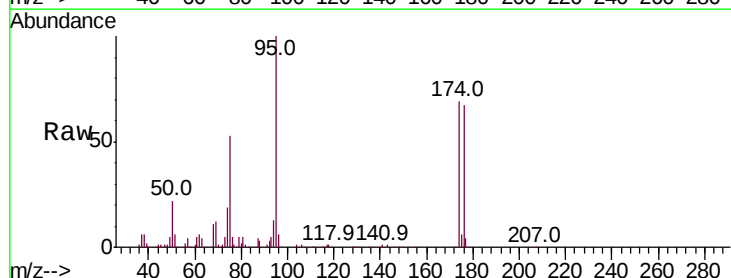
Tgt Ion: 75 Resp: 134880

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

