

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063227.D
 Acq On : 3 Sep 2020 18:00
 Operator : JC/MD
 Sample : L3902-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW185I-20200901

Quant Time: Sep 04 04:05:44 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

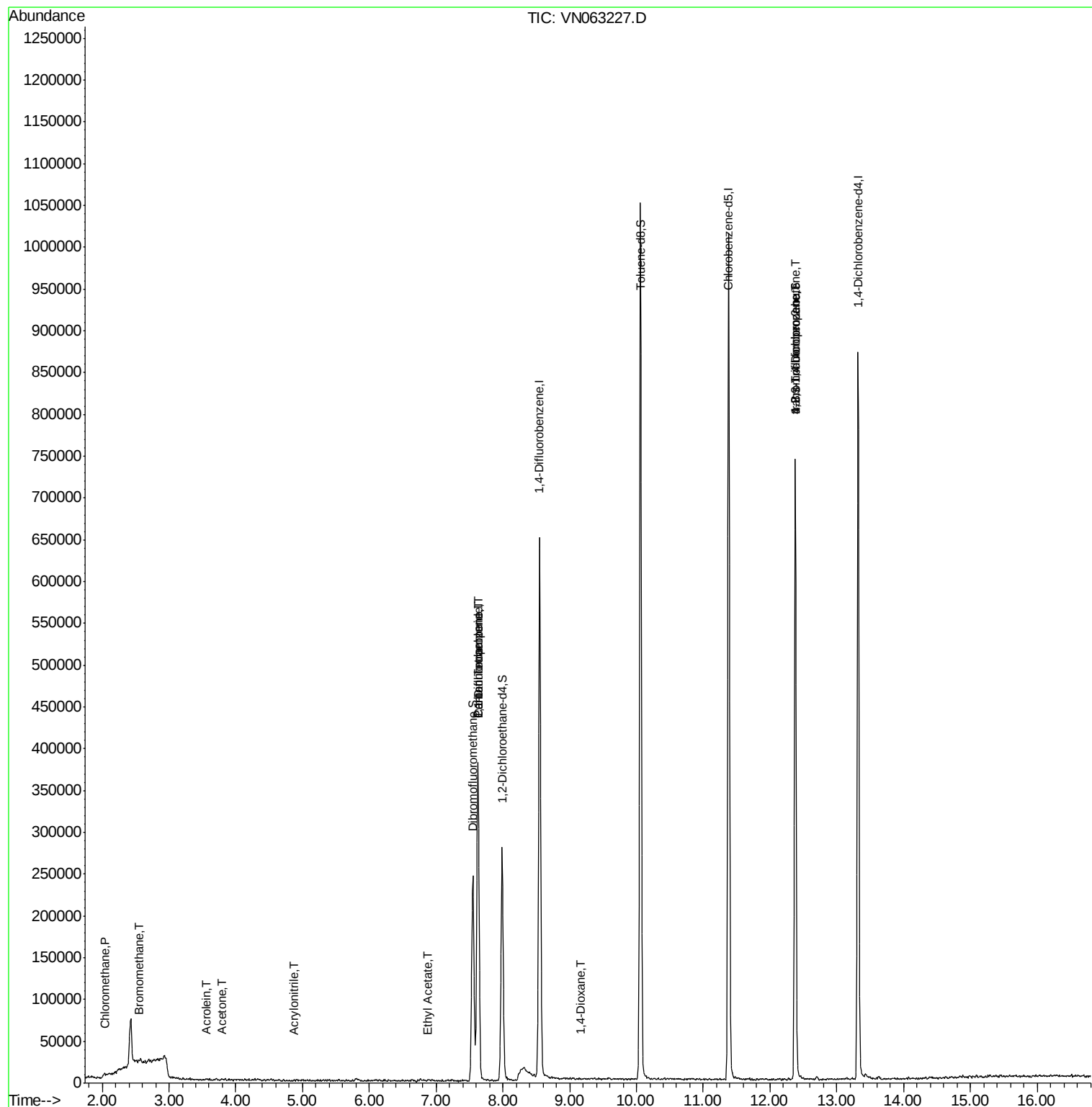
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	550209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	545460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215932	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	228562	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
35) Dibromofluoromethane	7.55	113	174785	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.06	98	705465	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.38	95	240510	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1414	0.352	ug/l #	67
5) Bromomethane	2.55	94	1331	0.356	ug/l #	54
7) Trichlorofluoromethane	2.85	101	35	Below Cal	#	19
13) Acrolein	3.56	56	113	16.264	ug/l #	15
15) Acrylonitrile	4.86	53	60	2.442	ug/l #	17
16) Acetone	3.79	43	1647	1.264	ug/l	91
20) Methylene Chloride	4.49	84	126	Below Cal	#	13
31) Cyclohexane	7.63	56	7698	Below Cal	#	15
36) 1,1-Dichloropropene	7.62	75	26483	5.007	ug/l #	51
37) Ethyl Acetate	6.88	43	353	0.450	ug/l #	72
38) Carbon Tetrachloride	7.63	117	32414	6.043	ug/l #	17
49) 1,4-Dioxane	9.18	88	100	1.663	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	137813	32.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	137813	78.511	ug/l #	10

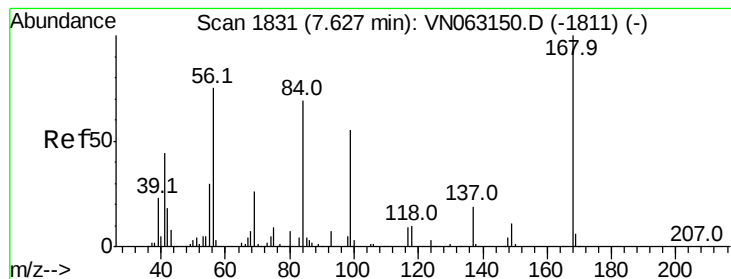
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

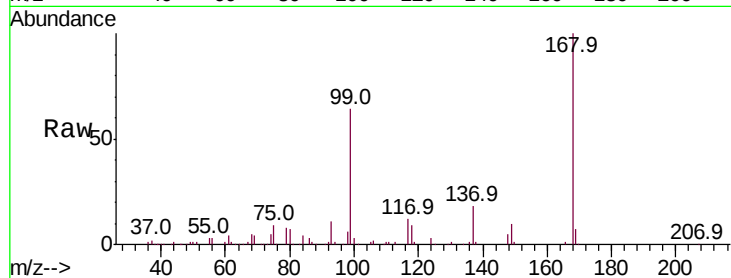
SA-MW185I-20200901

Tot Ion:168 Resp: 280293

Ion Ratio Lower Upper

168 100

99 63.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

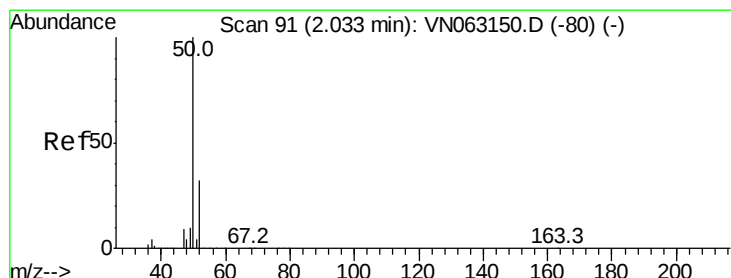
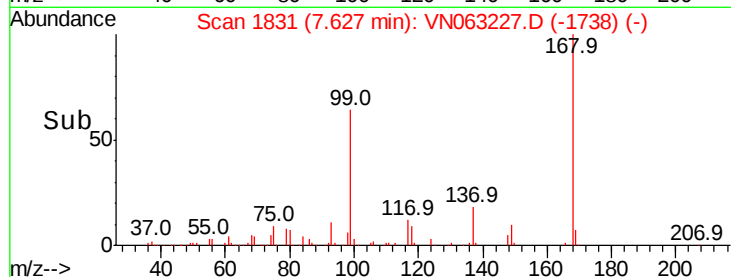
7.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.352 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063227.D

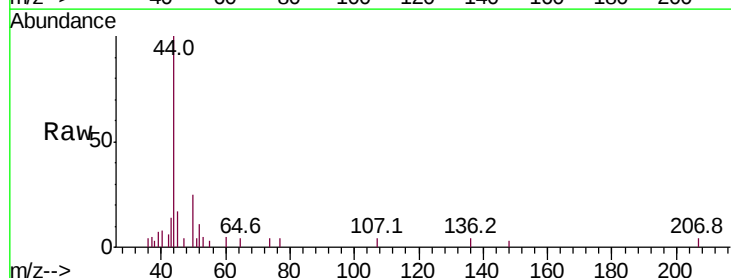
Acq: 3 Sep 2020 18:00

Tgt Ion: 50 Resp: 1414

Ion Ratio Lower Upper

50 100

52 50.7 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1200

1000

800

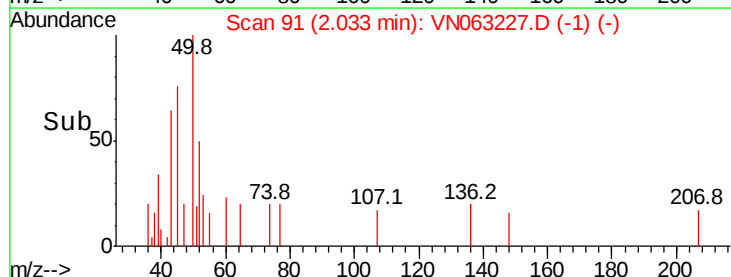
600

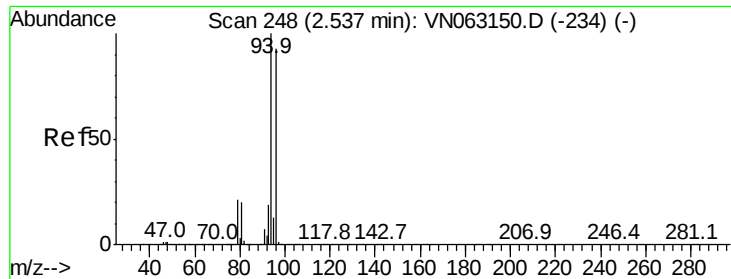
400

200

0

Time-->





#5

Bromomethane

Concen: 0.356 ug/l

RT: 2.55 min Scan# 253

Delta R.T. 0.02 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

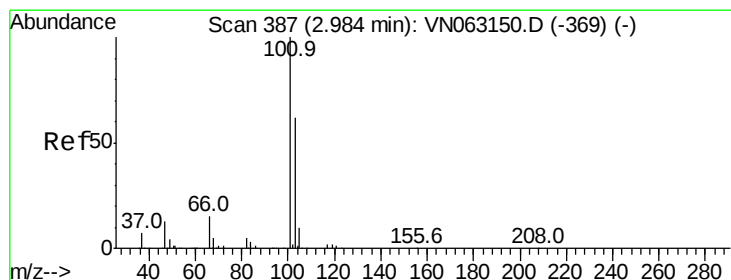
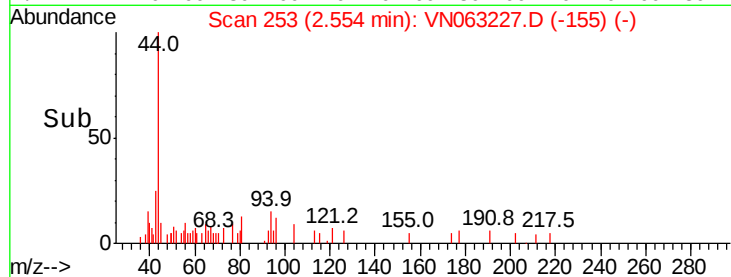
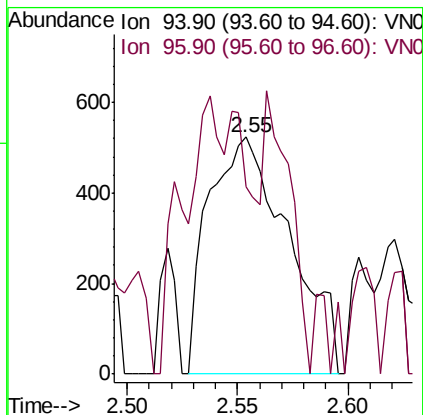
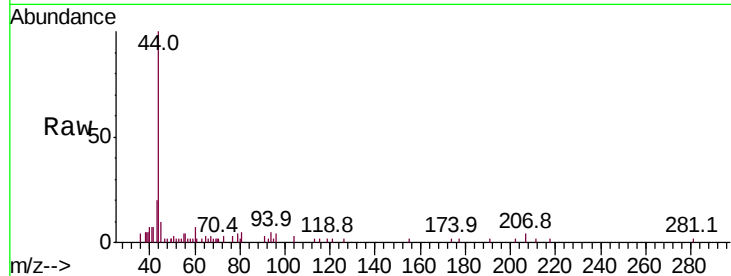
SA-MW185I-20200901

Tot Ion: 94 Resp: 1331

Ion Ratio Lower Upper

94 100

96 48.6 74.4 111.6#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.85 min Scan# 346

Delta R.T. -0.13 min

Lab File: VN063227.D

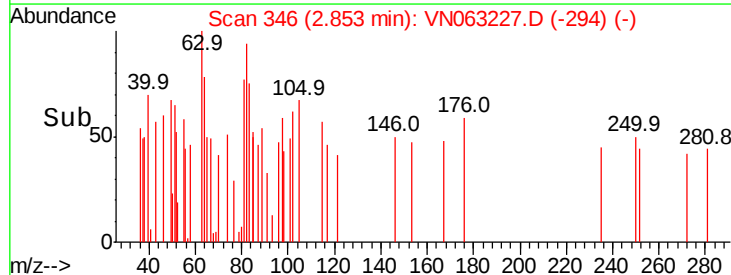
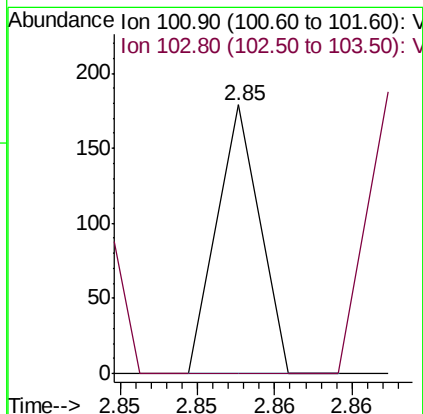
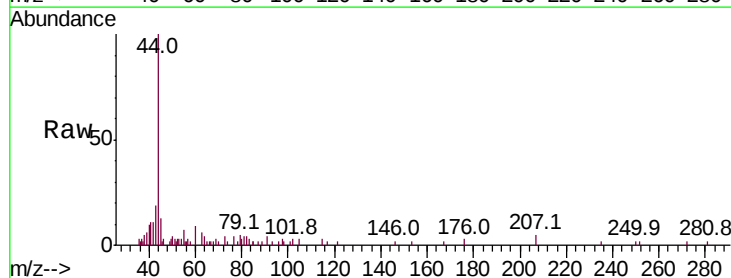
Acq: 3 Sep 2020 18:00

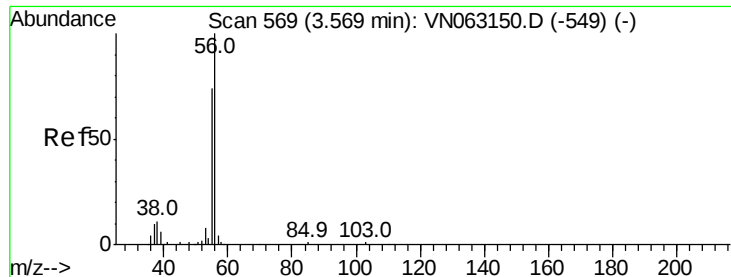
Tgt Ion: 101 Resp: 35

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#13

Acrolein

Concen: 16.264 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

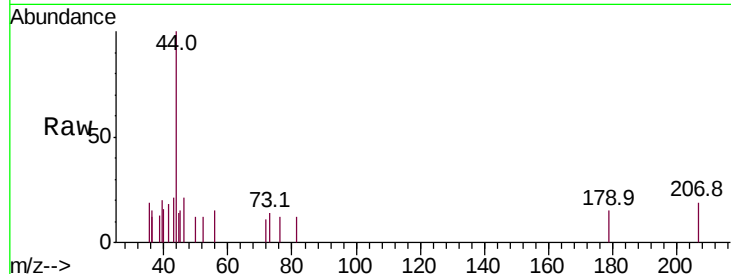
SA-MW185I-20200901

Tot Ion: 56 Resp: 113

Ion Ratio Lower Upper

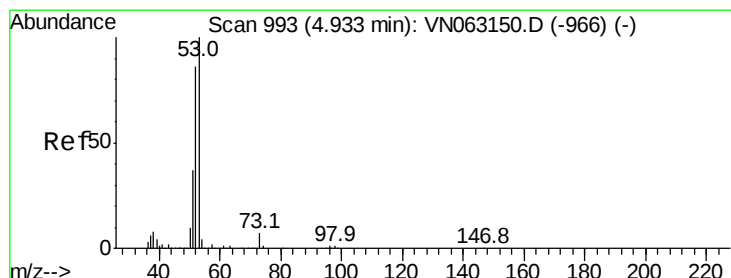
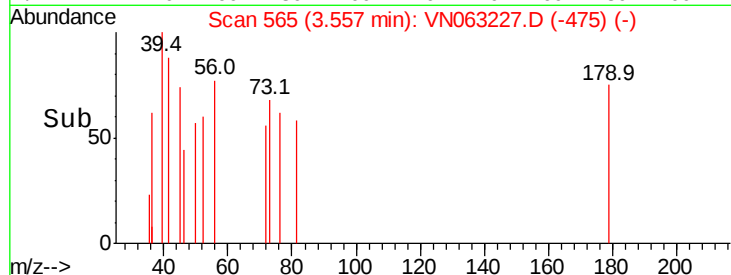
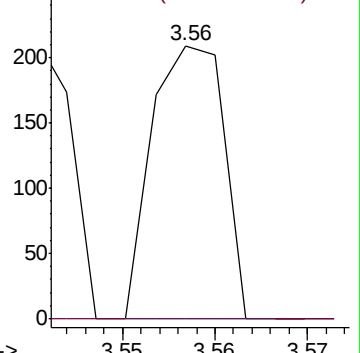
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 2.442 ug/l

RT: 4.86 min Scan# 970

Delta R.T. -0.07 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

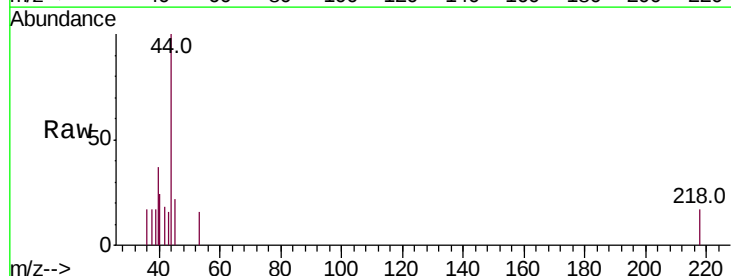
Tgt Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

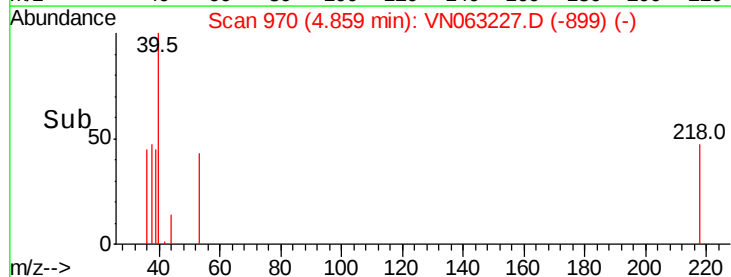
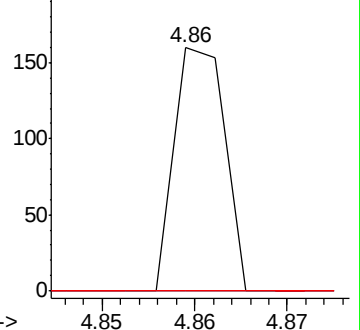
51 0.0 30.2 45.4#

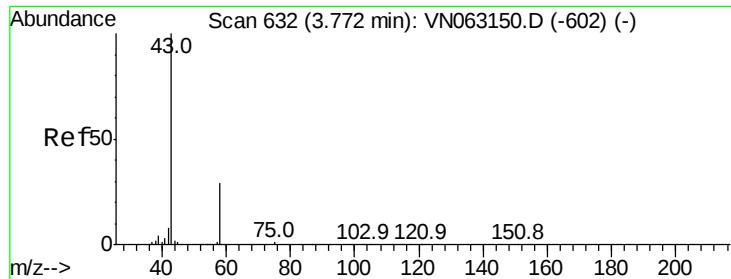


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

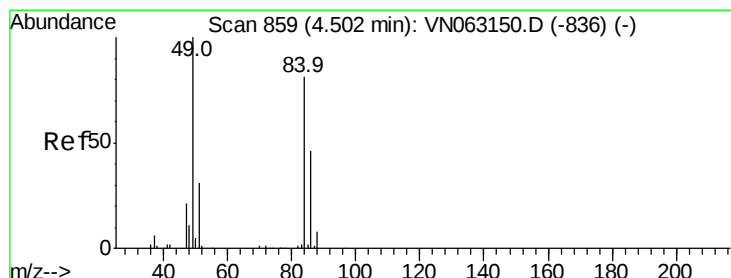
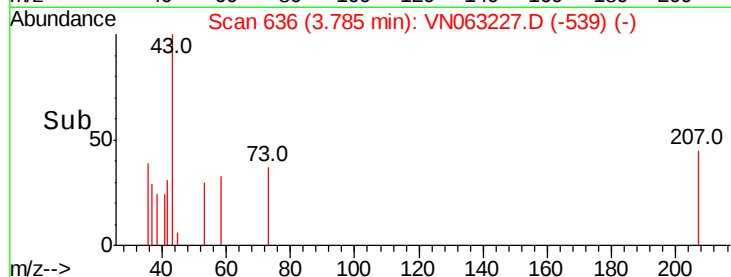
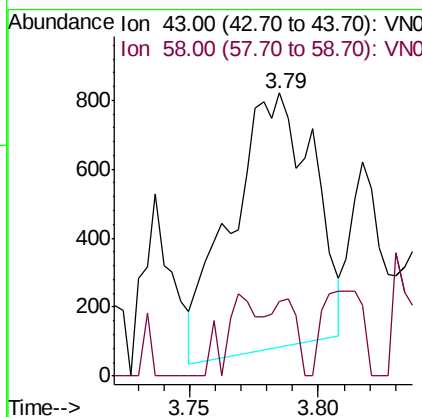
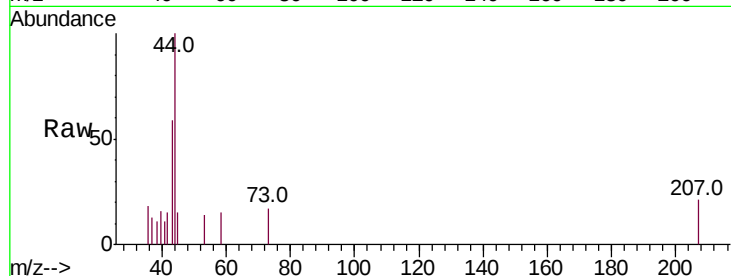




#16
Acetone
Concen: 1.264 ug/l
RT: 3.79 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

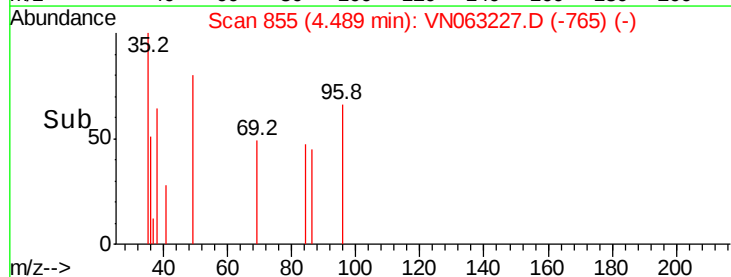
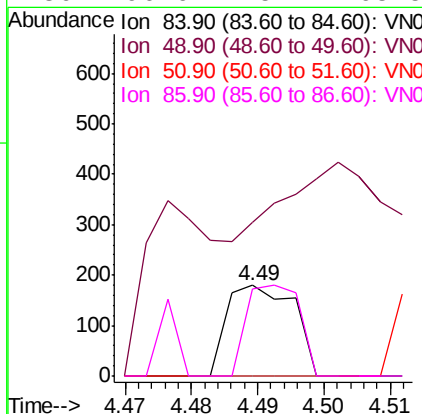
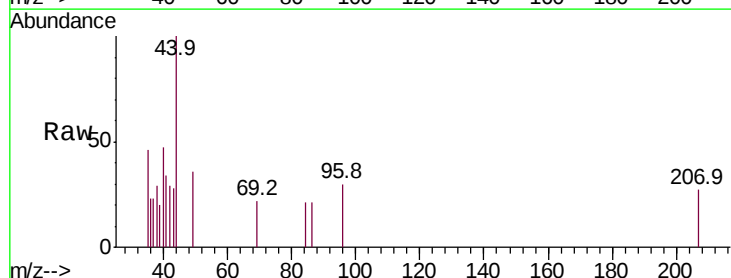
Instrument :
MSVOA_N
ClientSampleId :
SA-MW185I-20200901

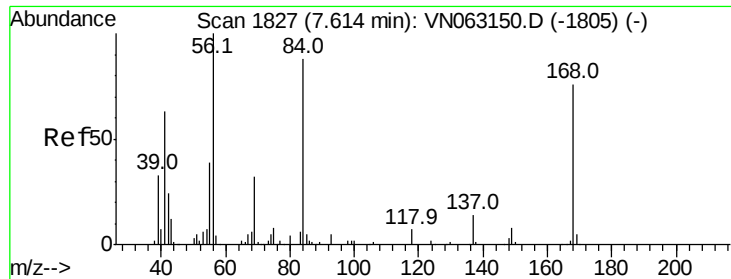
Tot Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 33.9 23.1 34.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

Tgt Ion: 84 Resp: 126
Ion Ratio Lower Upper
84 100
49 0.0 98.4 147.6#
51 0.0 30.4 45.6#
86 96.6 45.7 68.5#

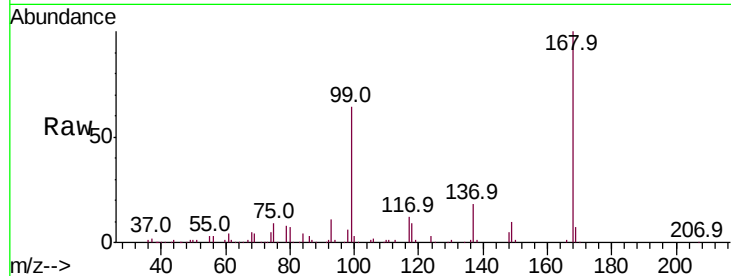




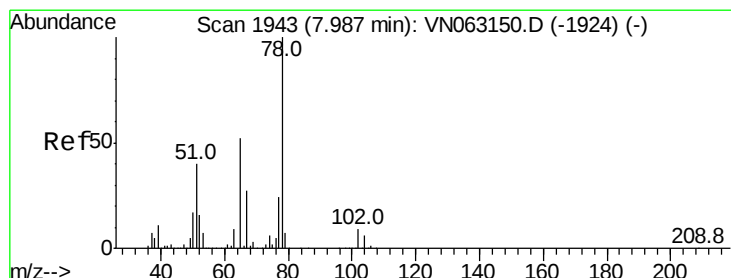
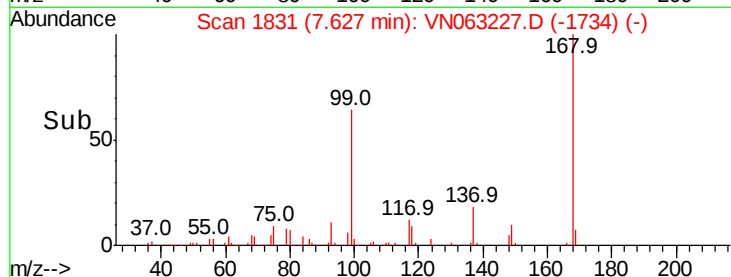
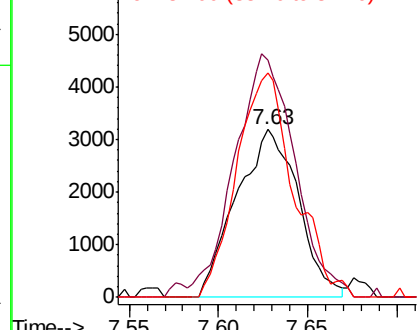
#31
Cvclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW185I-20200901

Tot Ion: 56 Resp: 7698
Ion Ratio Lower Upper
56 100
69 133.3 25.4 38.0#
84 133.7 70.2 105.4#

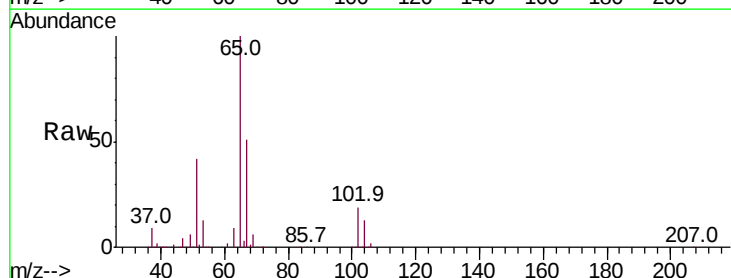


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

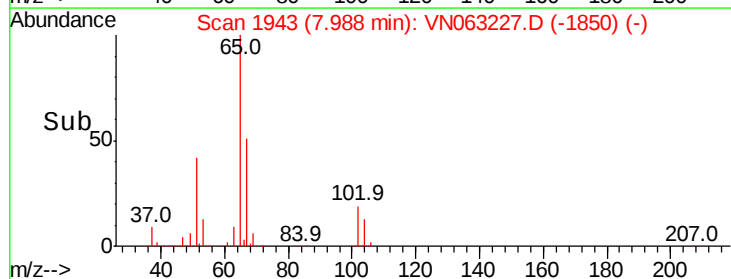
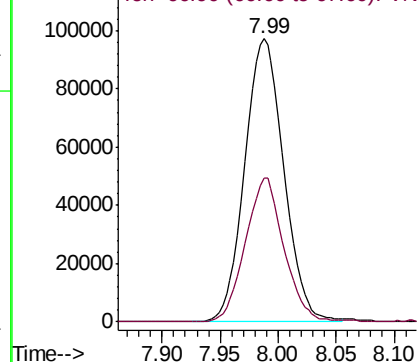


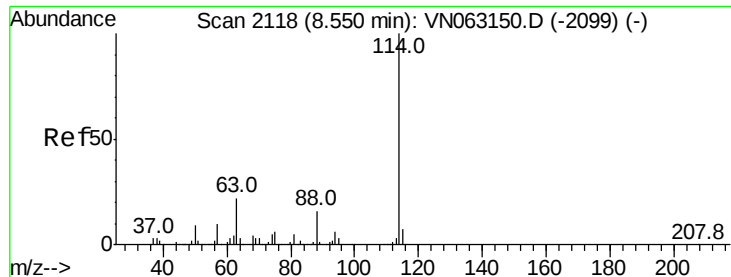
#33
1,2-Dichloroethane-d4
Concen: 49.883 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

Tgt Ion: 65 Resp: 228562
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.4



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

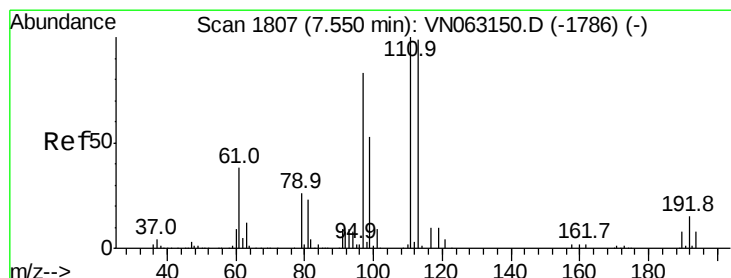
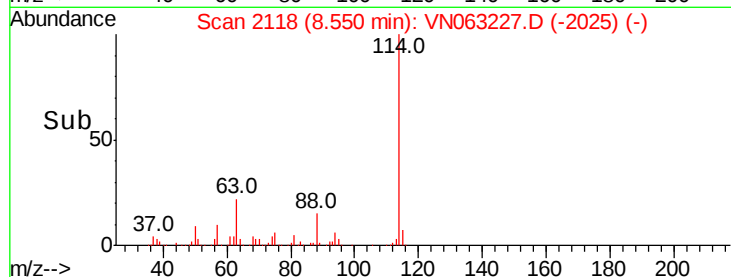
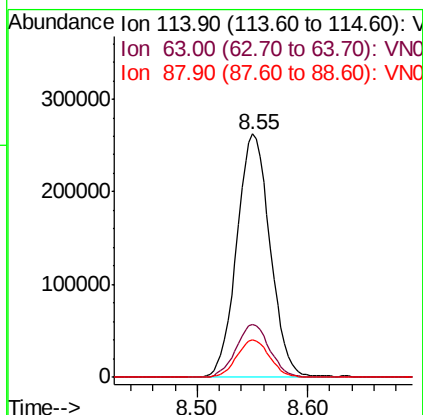
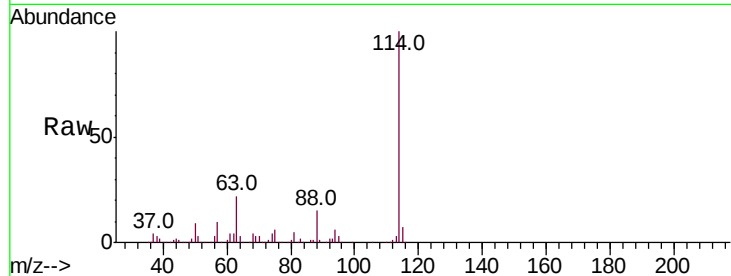




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063227.D
 Acq: 3 Sep 2020 18:00

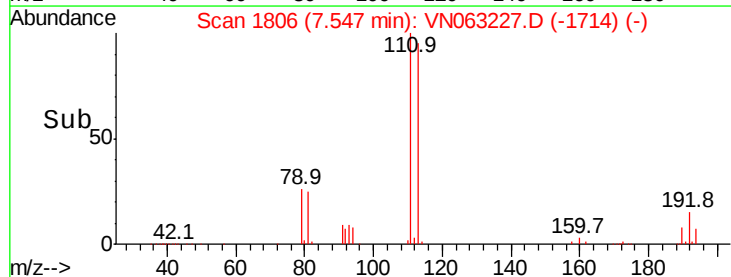
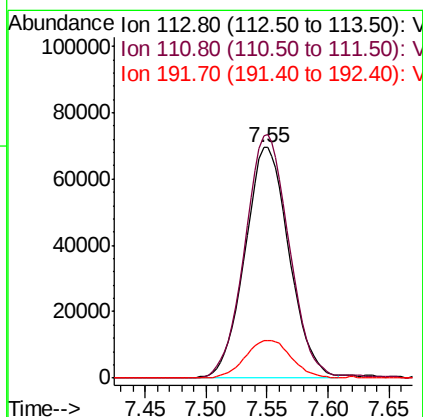
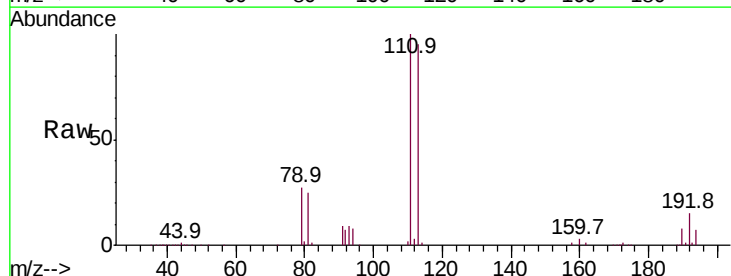
Instrument :
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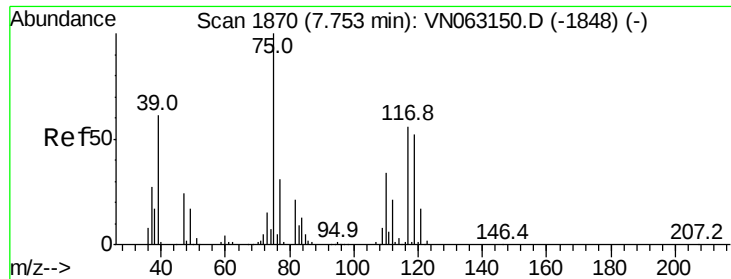
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.0
88	15.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.516 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063227.D
 Acq: 3 Sep 2020 18:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	80.7	121.1
192	17.0	12.6	19.0





#36

1,1-Dichloropropene

Concen: 5.007 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185I-20200901

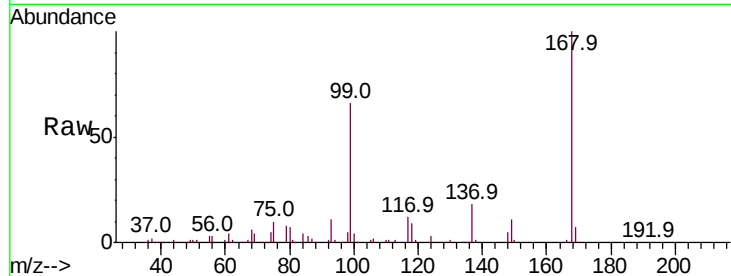
Tot Ion: 75 Resp: 26483

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.8#

77 0.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN063227.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063227.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063227.D (-1777) (-)

7.62

15000

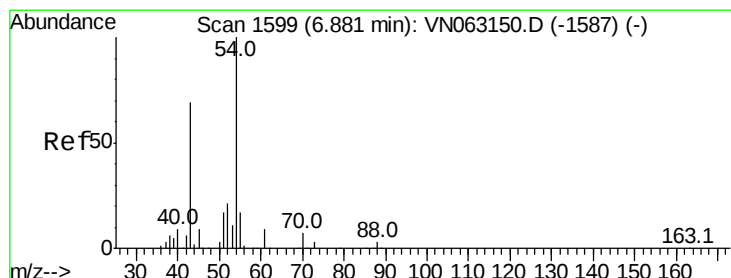
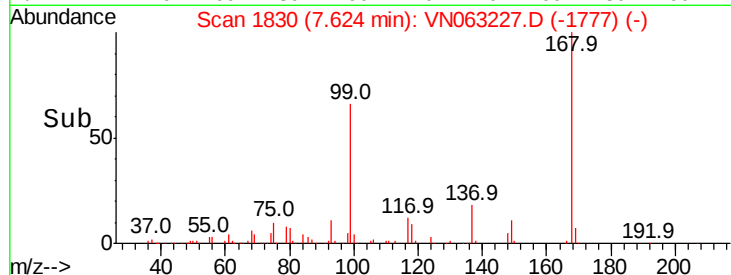
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#37

Ethyl Acetate

Concen: 0.450 ug/l

RT: 6.88 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

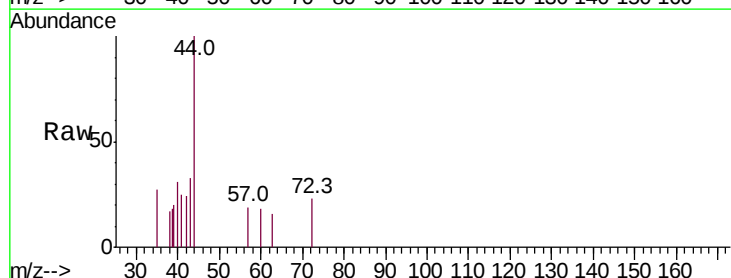
Tgt Ion: 43 Resp: 353

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 3.0 4.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063227.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063227.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063227.D (-1506) (-)

6.88

400

300

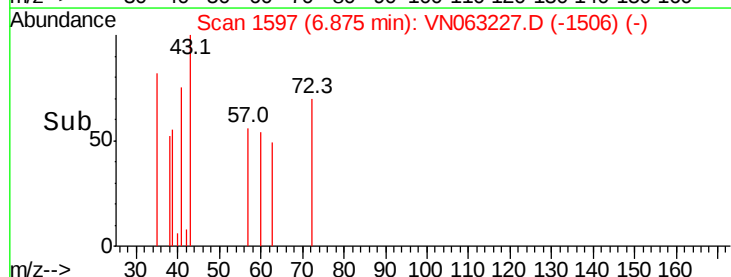
200

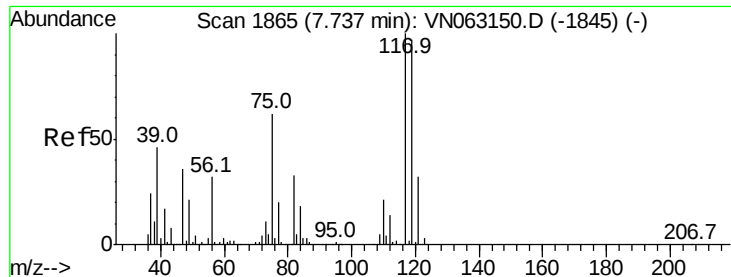
100

0

6.86 6.88

Time-->





#38

Carbon Tetrachloride

Concen: 6.043 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185I-20200901

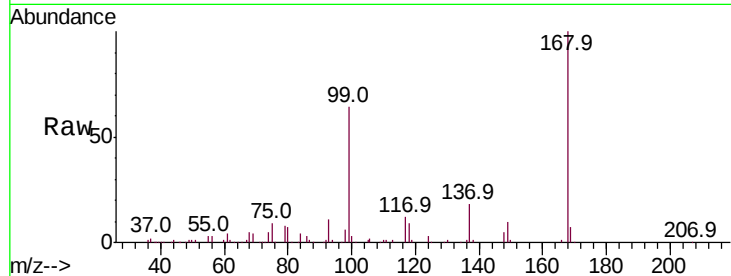
Tot Ion:117 Resp: 32414

Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

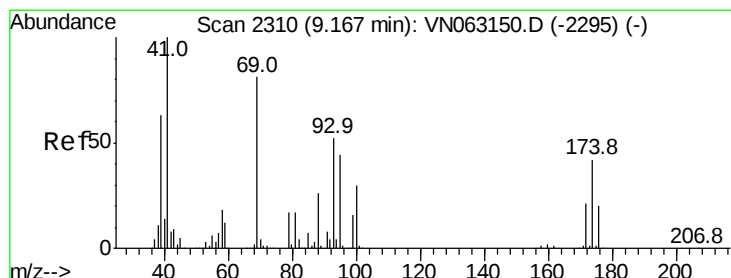
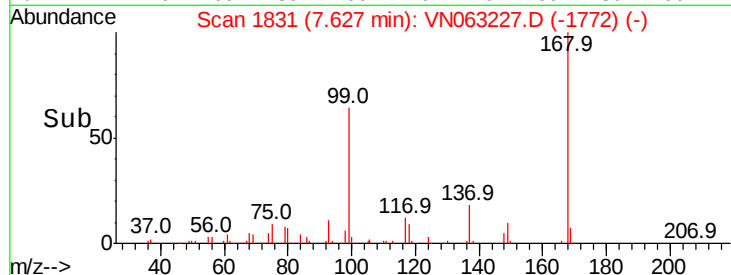
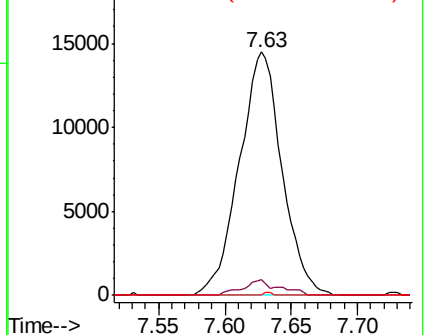
121 0.0 25.6 38.4#



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



#49

1,4-Dioxane

Concen: 1.663 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

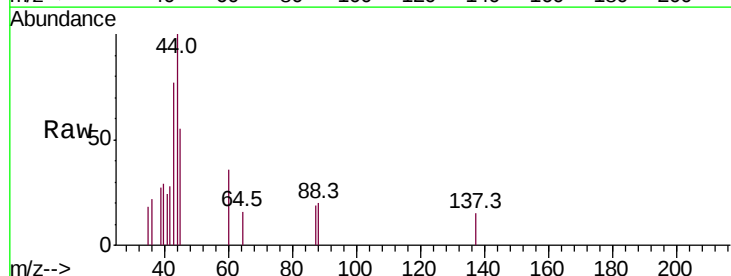
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 325.0 28.6 42.8#

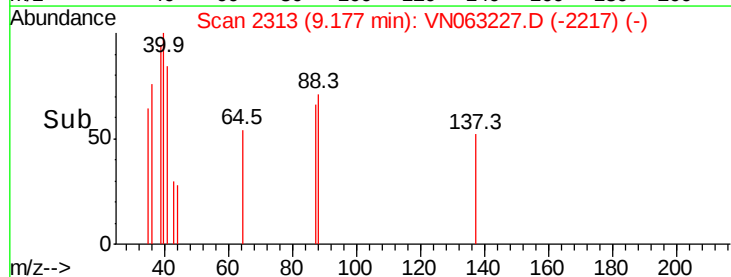
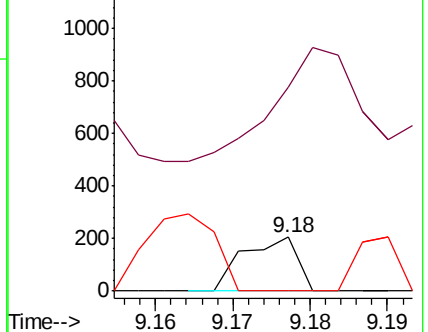
58 76.0 53.2 79.8

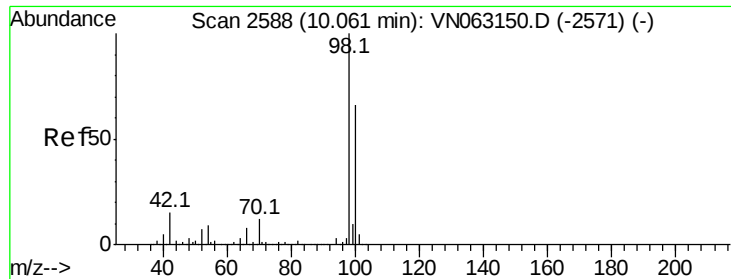


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 51.924 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

Instrument :

MSVOA_N

ClientSampleId :

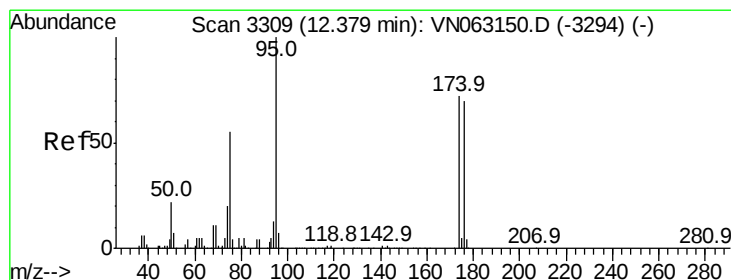
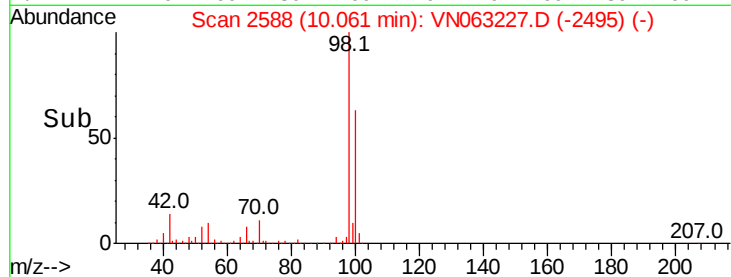
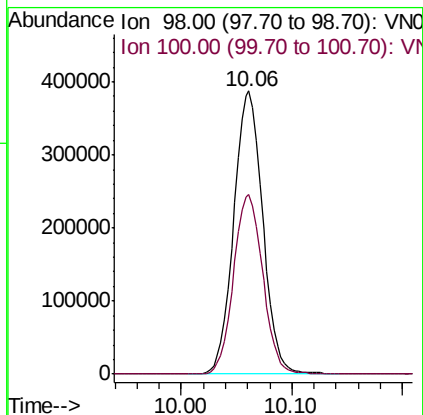
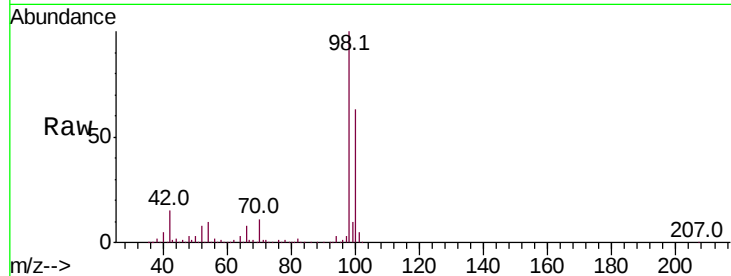
SA-MW185I-20200901

Tot Ion: 98 Resp: 705465

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 50.606 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063227.D

Acq: 3 Sep 2020 18:00

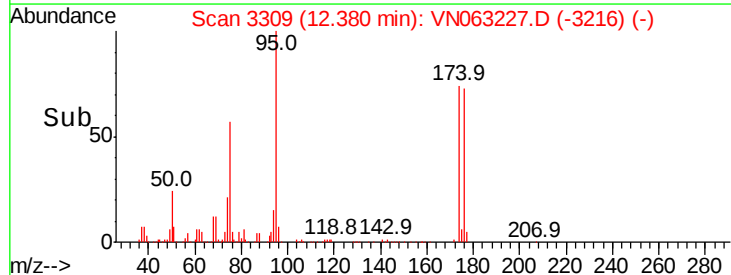
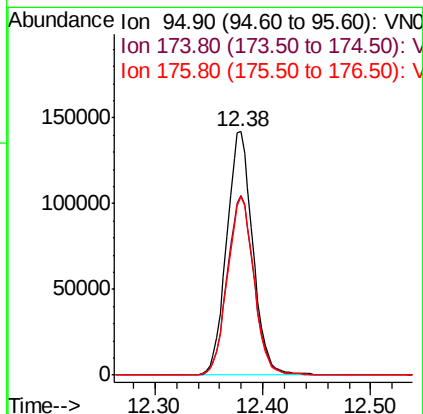
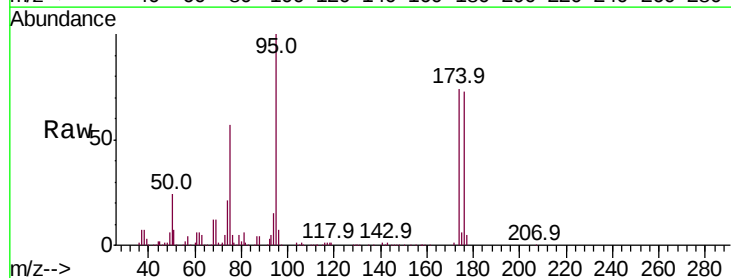
Tgt Ion: 95 Resp: 240510

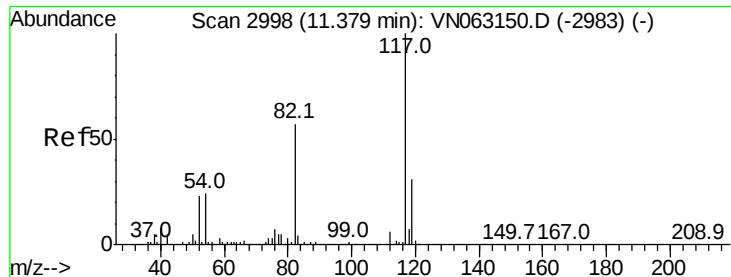
Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.8

176 73.7 0.0 138.4

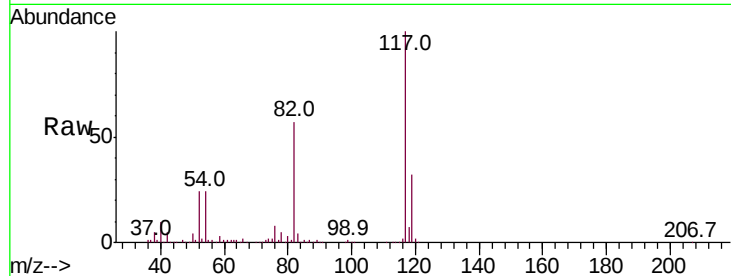




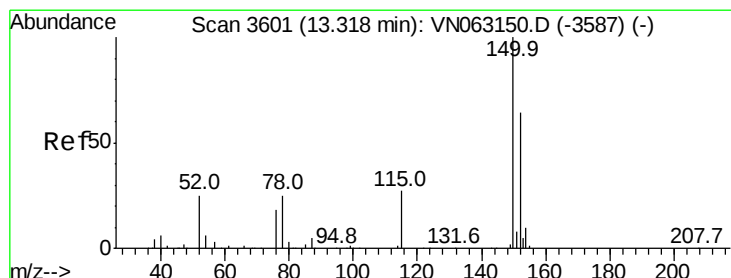
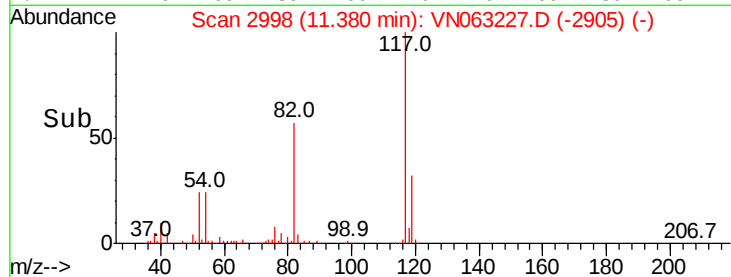
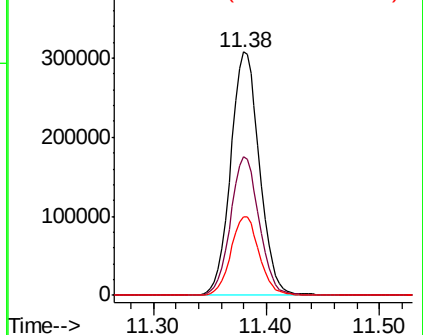
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW185I-20200901

Tot Ion:117 Resp: 545460
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 32.1 24.6 37.0

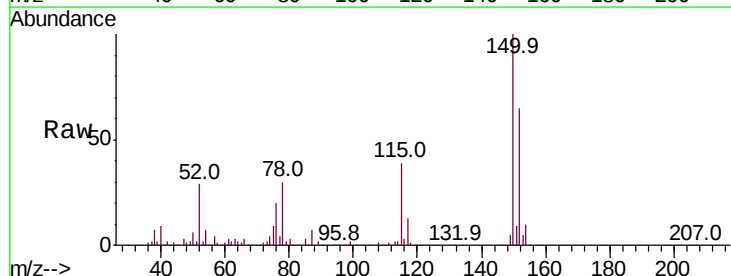


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

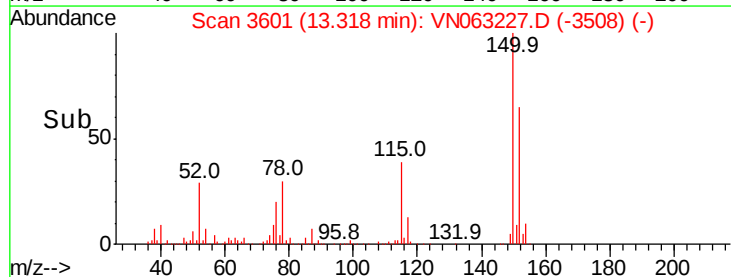
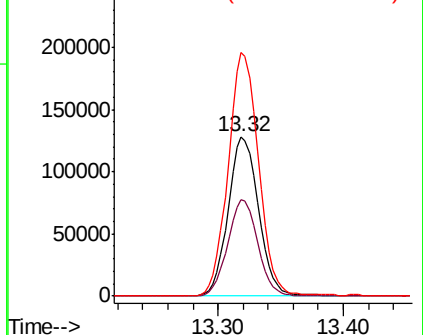


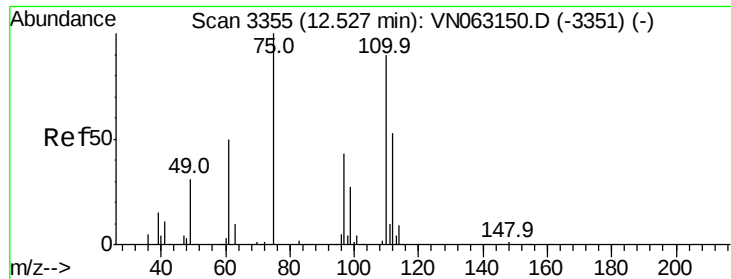
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063227.D
Acq: 3 Sep 2020 18:00

Tgt Ion:152 Resp: 215932
Ion Ratio Lower Upper
152 100
115 59.5 32.0 96.2
150 152.5 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

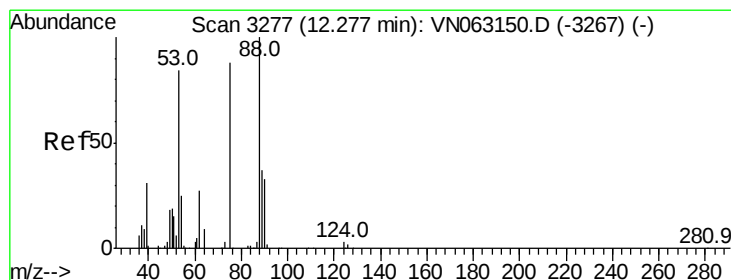
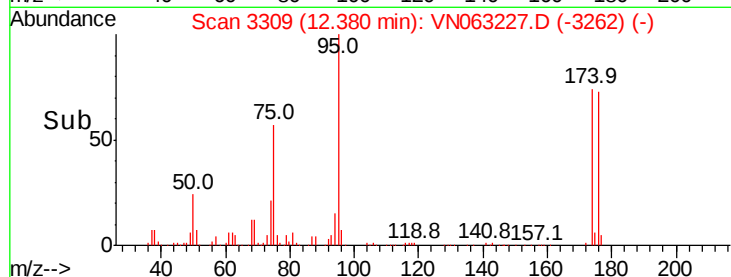
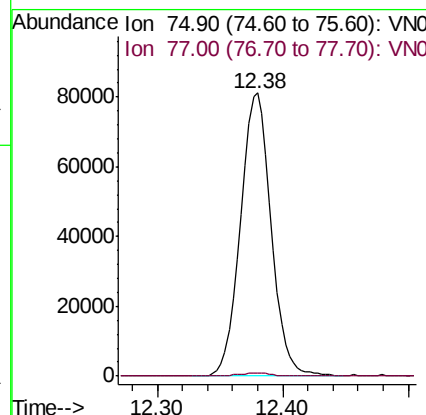
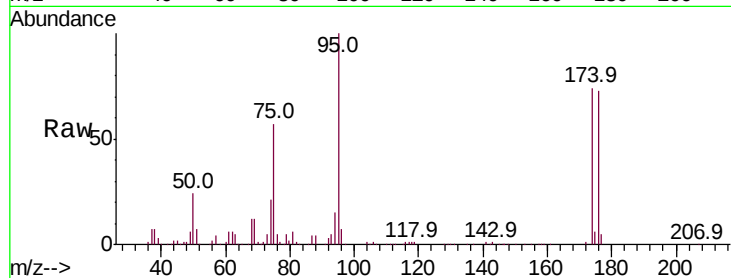




#76
 1,2,3-Trichloropropane
 Concen: 32.483 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. -0.15 min
 Lab File: VN063227.D
 Acq: 3 Sep 2020 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW185I-20200901

Tot Ion: 75 Resp: 137813
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.511 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. 0.10 min
 Lab File: VN063227.D
 Acq: 3 Sep 2020 18:00

Tgt Ion: 75 Resp: 137813
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.7 118.1#
 89 0.0 35.3 52.9#

