

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063449.D
 Acq On : 18 Sep 2020 11:36
 Operator : JC/MD
 Sample : VN0918WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBL01

Quant Time: Sep 21 01:33:06 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	254906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	466970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201335	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	205794	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	7.55	113	150573	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	10.06	98	607932	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.38	95	242976	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	

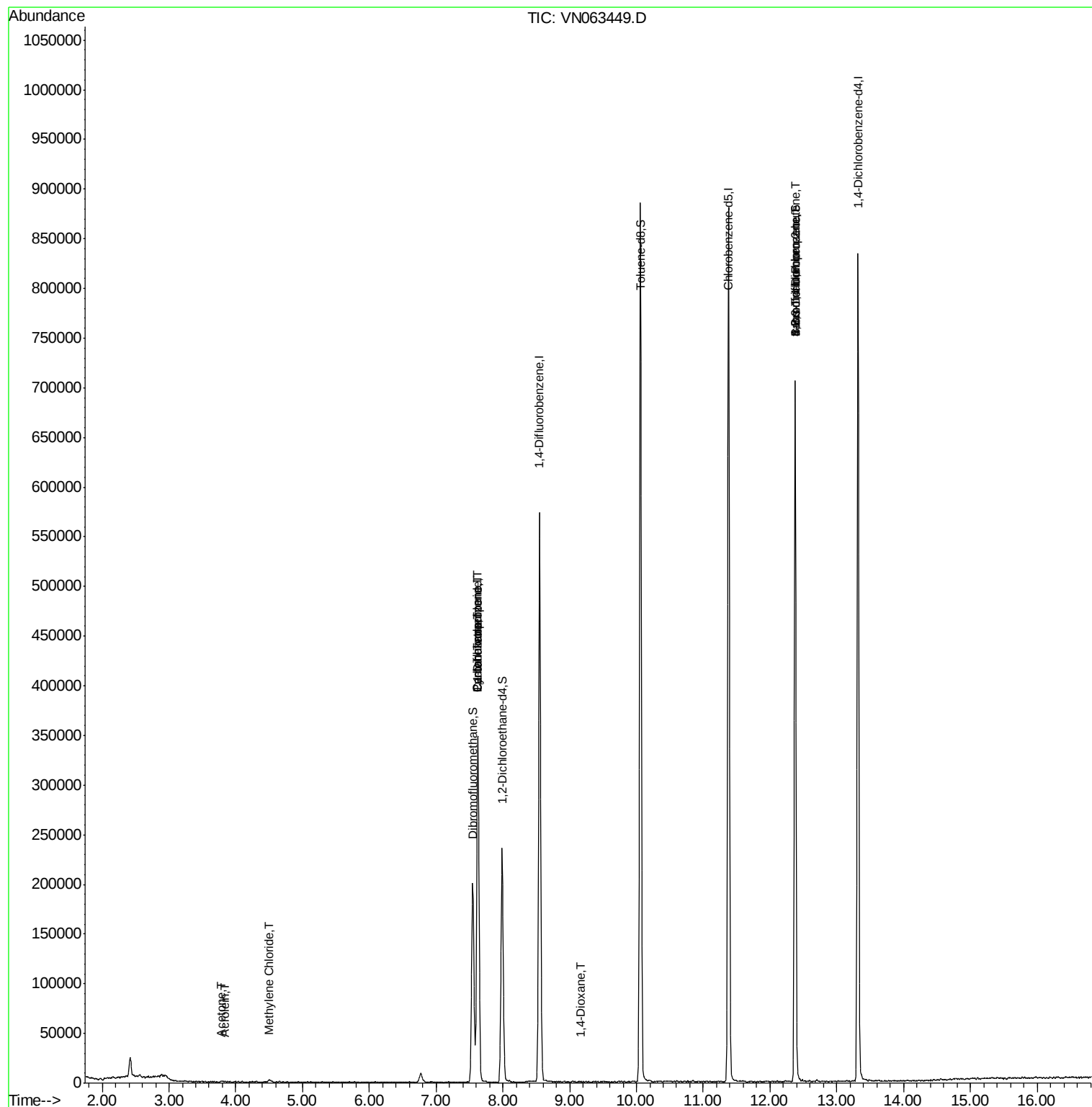
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.83	56	103	0.462	ug/l #	13
16) Acetone	3.78	43	479	0.343	ug/l #	47
20) Methylene Chloride	4.51	84	1270	0.359	ug/l #	58
31) Cyclohexane	7.63	56	7124	1.189	ug/l #	29
36) 1,1-Dichloropropene	7.62	75	23819	4.737	ug/l #	51
38) Carbon Tetrachloride	7.63	117	29488	5.745	ug/l #	16
49) 1,4-Dioxane	9.17	88	124	1.993	ug/l #	1
71) Bromoform	12.37	173	599	0.221	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	135581	27.207	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	135581	74.591	ug/l #	7

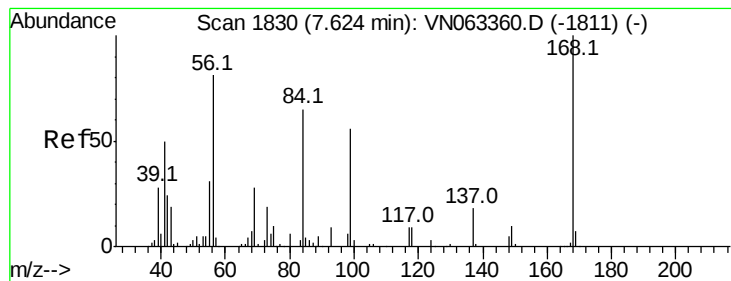
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091820\
Data File : VN063449.D
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Misc : 5.00mL/MSVOA N/WATER
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MSVOA_N
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Quant Time: Sep 21 01:33:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

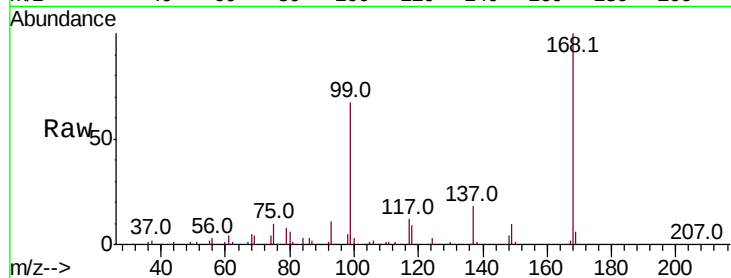
VN0918WBL01

Tot Ion:168 Resp: 254906

Ion Ratio Lower Upper

168 100

99 66.8 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

120000

100000

80000

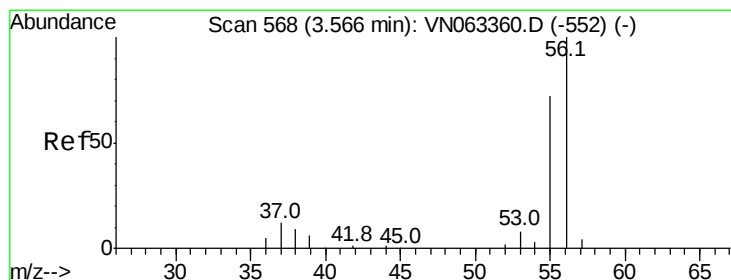
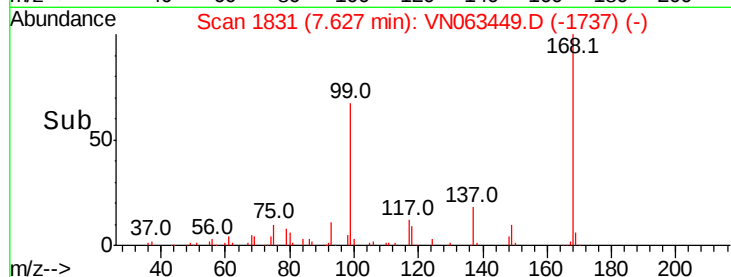
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.462 ug/l

RT: 3.83 min Scan# 651

Delta R.T. 0.27 min

Lab File: VN063449.D

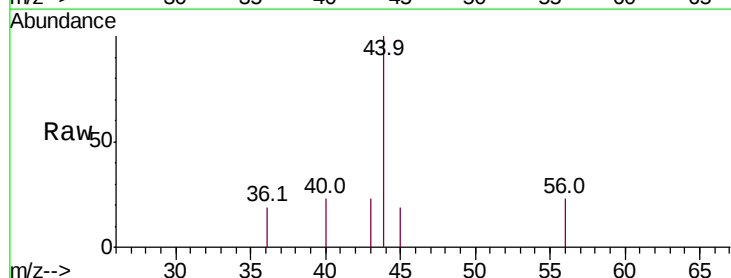
Acq: 18 Sep 2020 11:36

Tgt Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.83

200

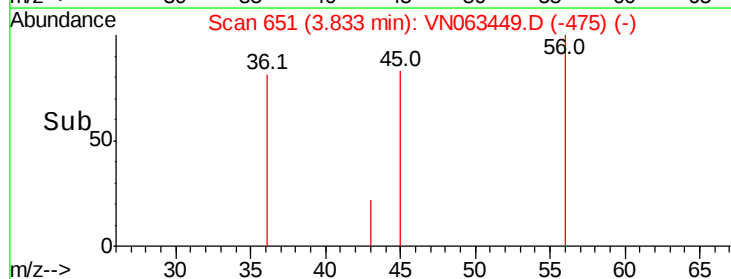
150

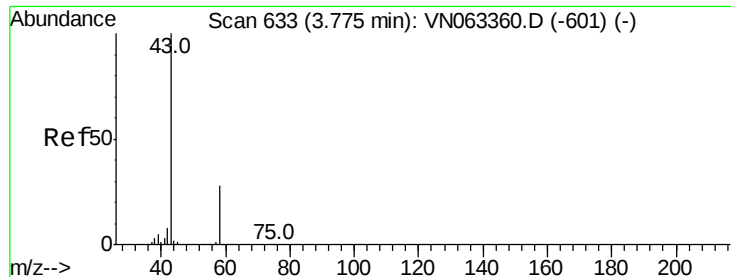
100

50

0

Time--> 3.82 3.83 3.84





#16

Acetone

Concen: 0.343 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

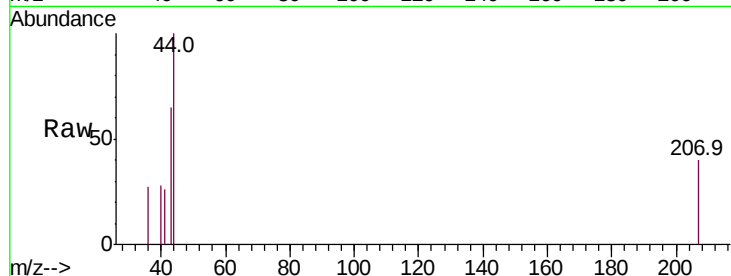
VN0918WBL01

Tot Ion: 43 Resp: 479

Ion Ratio Lower Upper

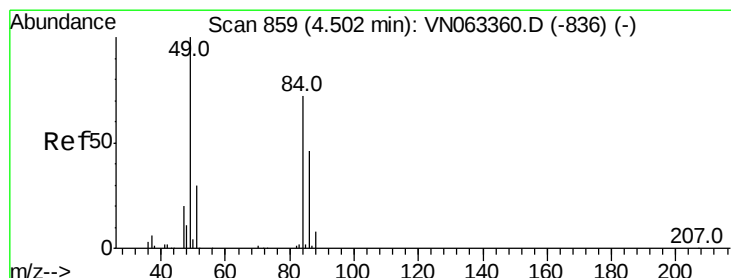
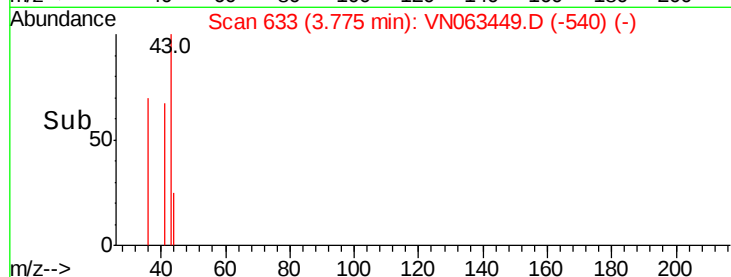
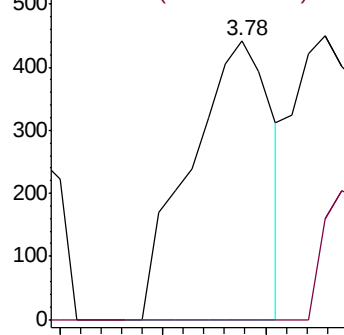
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Tgt Ion: 84 Resp: 1270

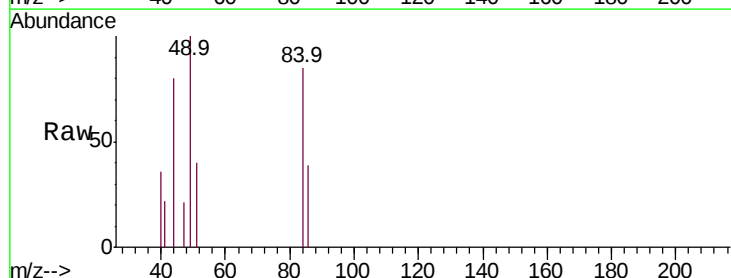
Ion Ratio Lower Upper

84 100

49 64.5 110.7 166.1#

51 46.9 32.9 49.3

86 45.8 51.1 76.7#

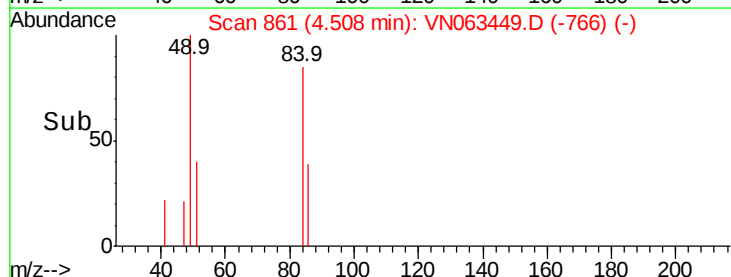
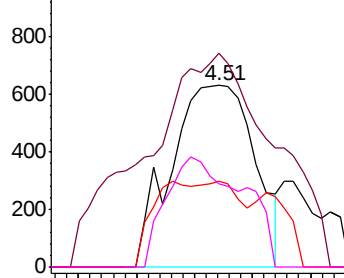


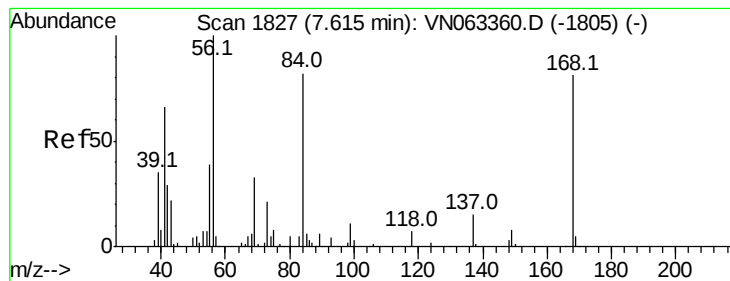
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBL01

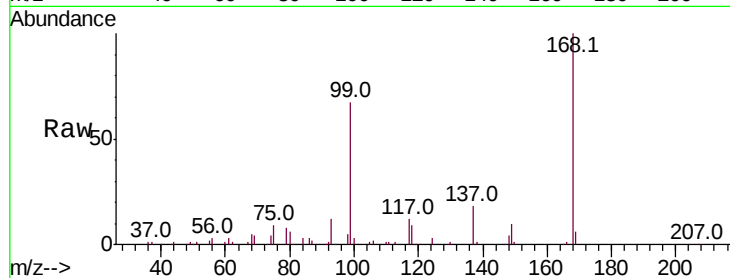
Tot Ion: 56 Resp: 7124

Ion Ratio Lower Upper

56 100

69 142.4 26.1 39.1#

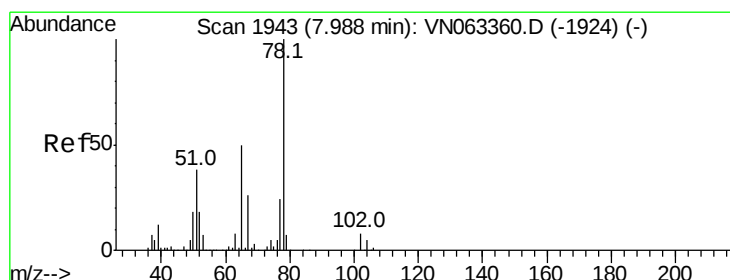
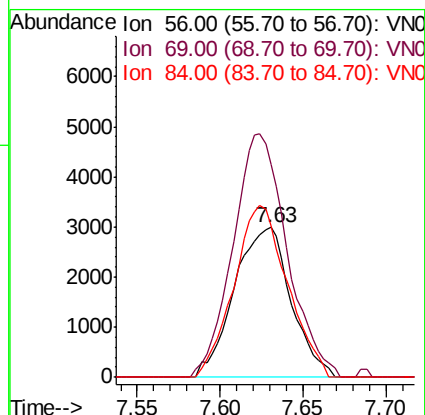
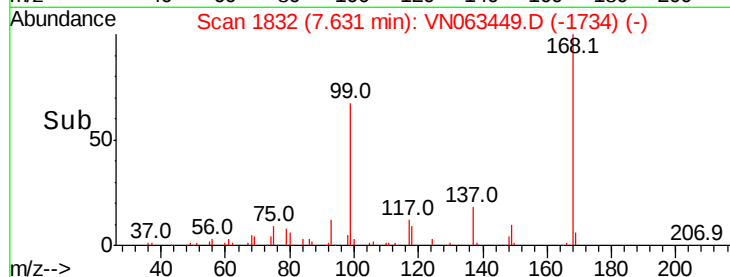
84 100.9 65.4 98.2#



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: 47.427 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063449.D

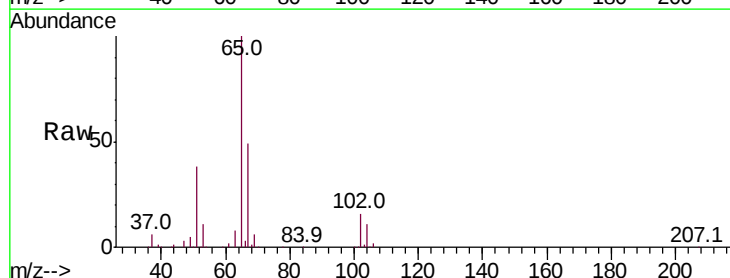
Acq: 18 Sep 2020 11:36

Tgt Ion: 65 Resp: 205794

Ion Ratio Lower Upper

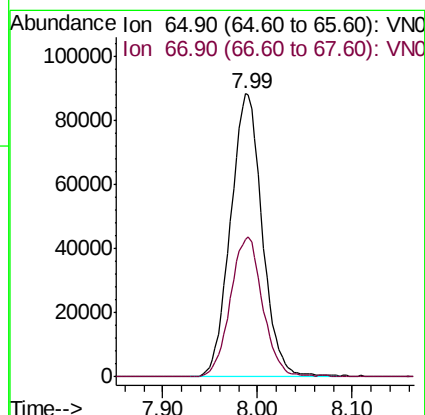
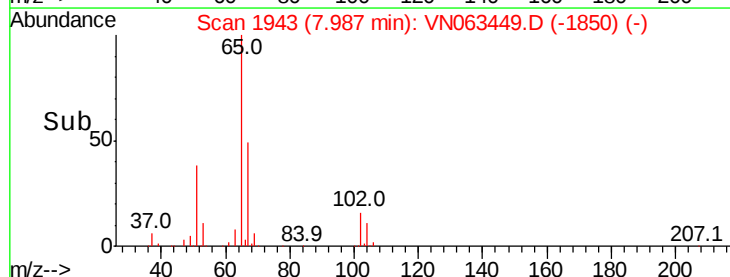
65 100

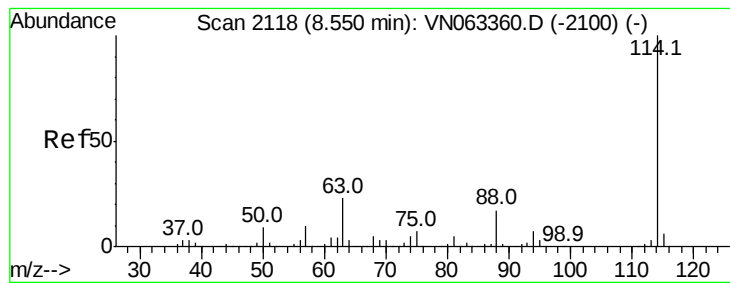
67 50.3 0.0 104.2



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: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBL01

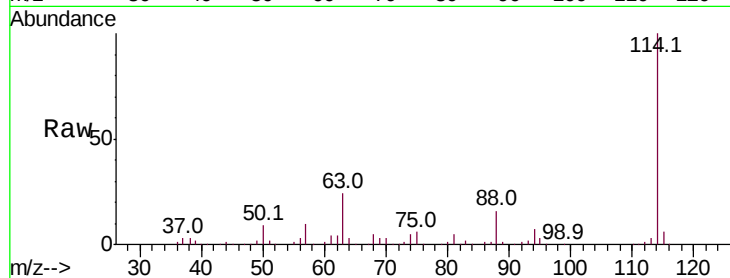
Tot Ion:114 Resp: 471970

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.4

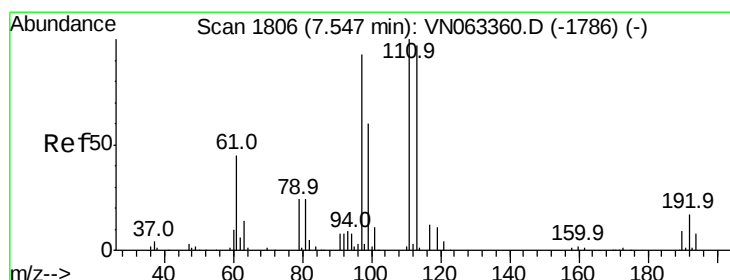
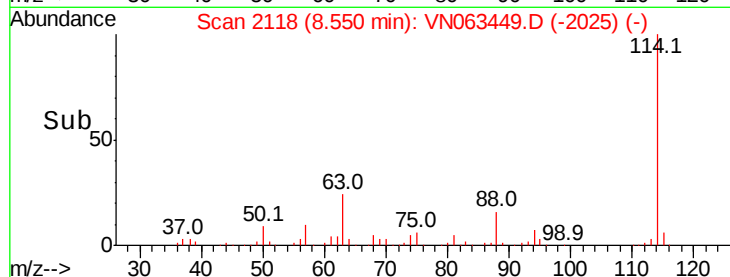
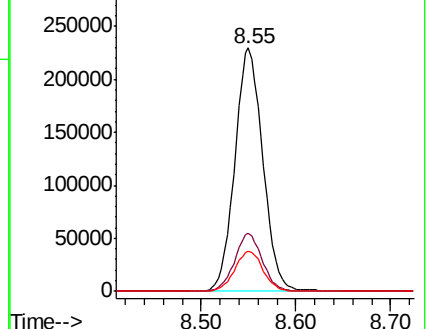
88 16.3 0.0 33.2



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: 46.084 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

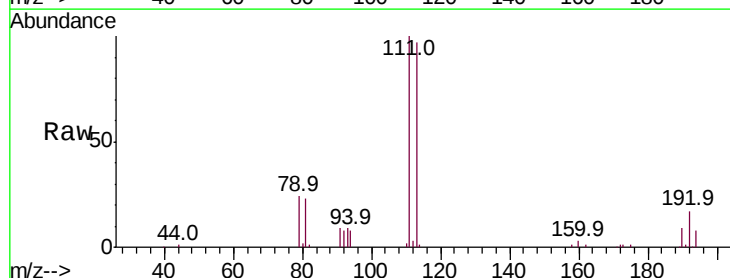
Tgt Ion:113 Resp: 150573

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

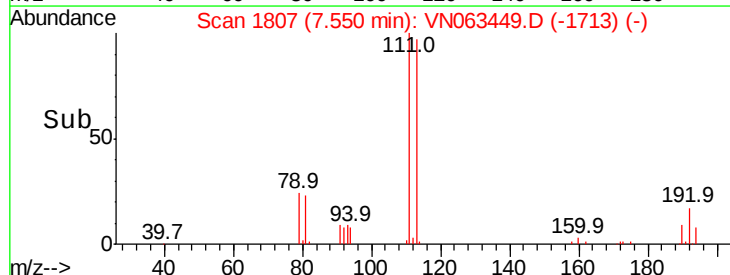
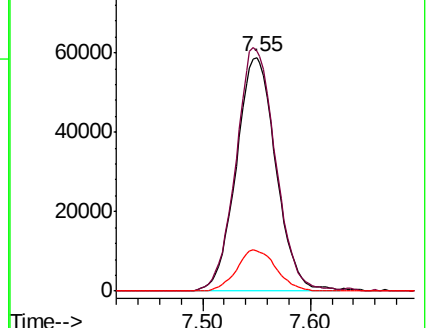
192 17.7 13.9 20.9

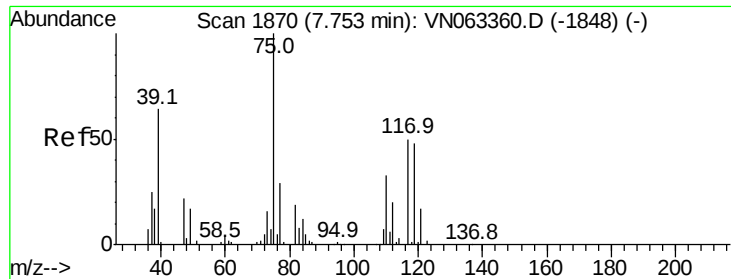


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBL01

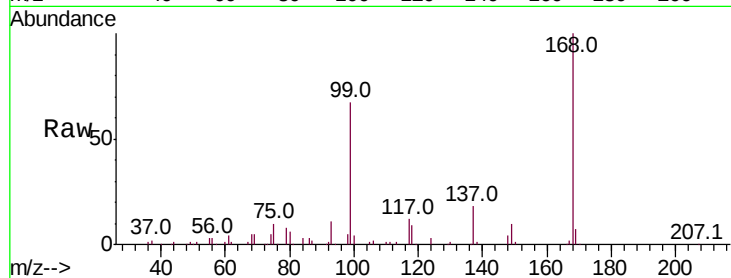
Tot Ion: 75 Resp: 23819

Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

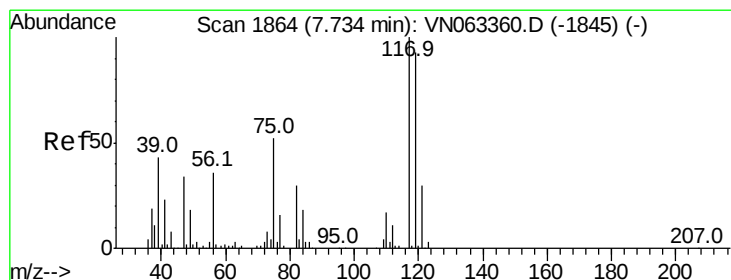
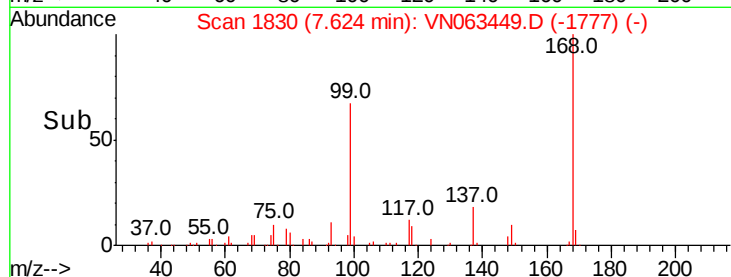
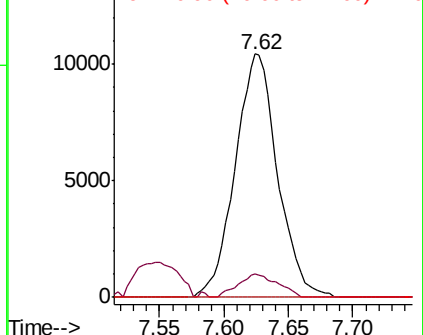
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.745 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

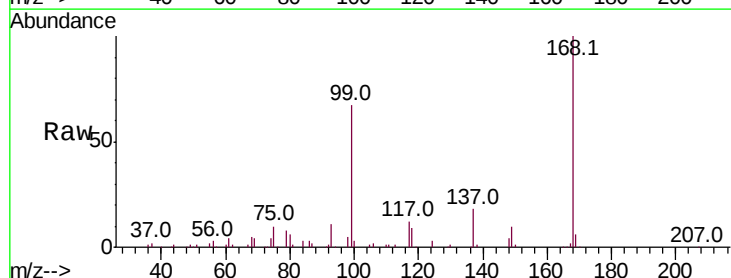
Tgt Ion: 117 Resp: 29488

Ion Ratio Lower Upper

117 100

119 3.9 74.5 111.7#

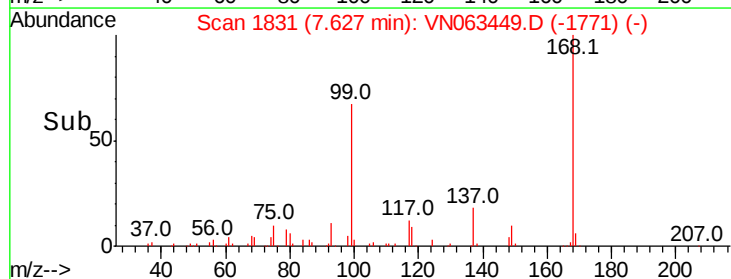
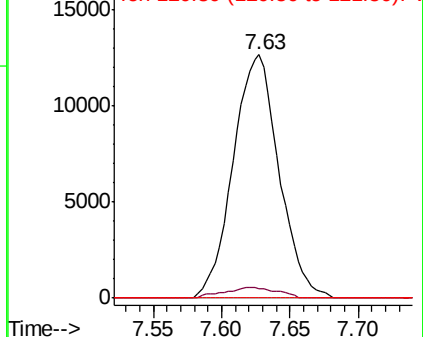
121 0.0 24.1 36.1#

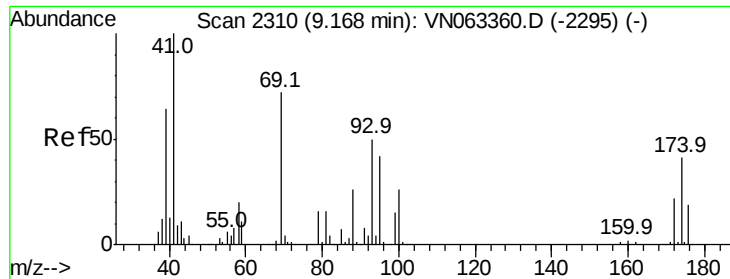


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.993 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBL01

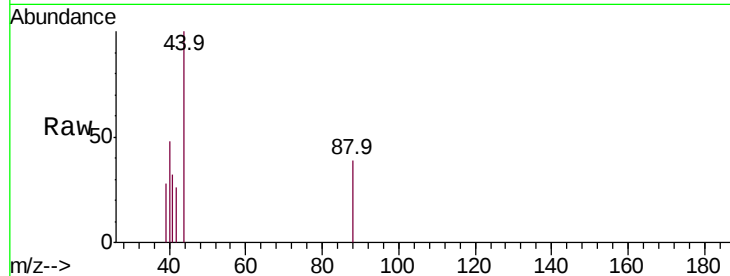
Tot Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 192.7 32.6 49.0#

58 0.0 60.0 90.0#



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

400

300

200

100

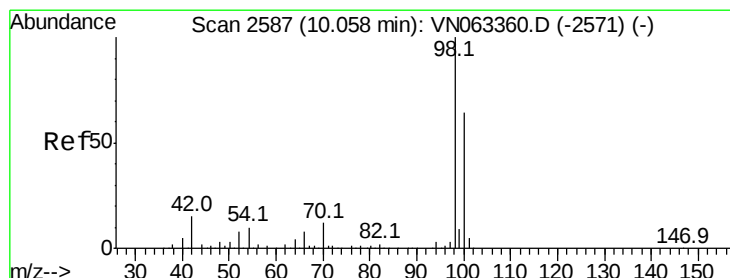
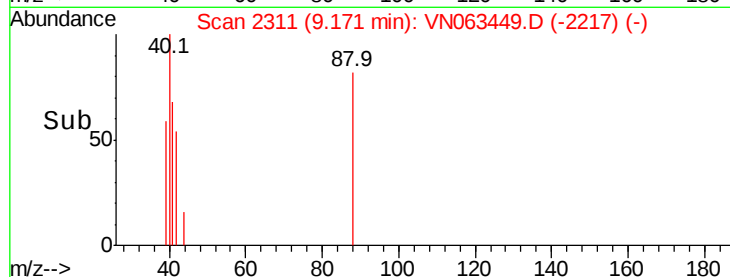
0

9.16

9.17

9.18

Time-->



#50

Toluene-d8

Concen: 49.482 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063449.D

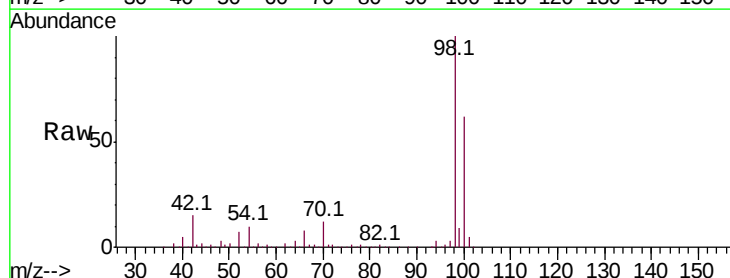
Acq: 18 Sep 2020 11:36

Tgt Ion: 98 Resp: 607932

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

300000

200000

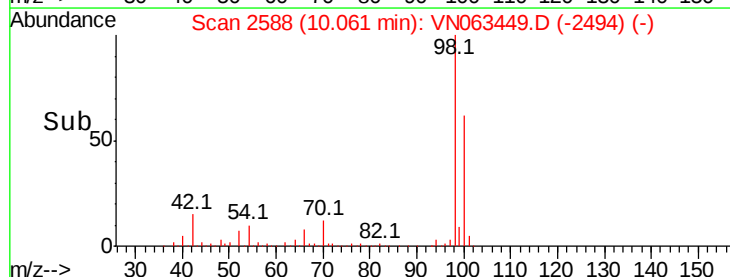
100000

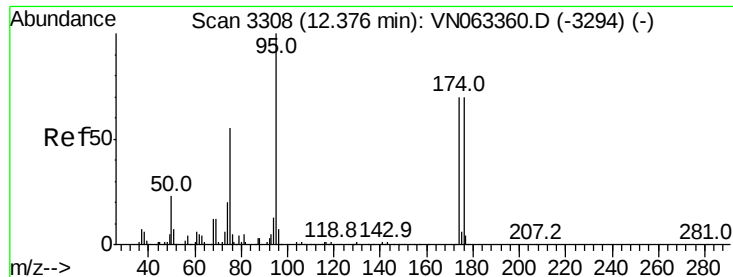
0

10.00

10.10

Time-->

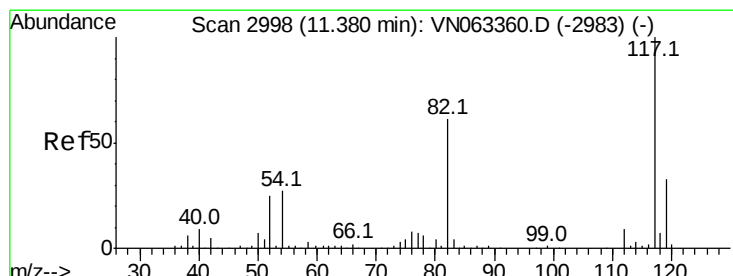
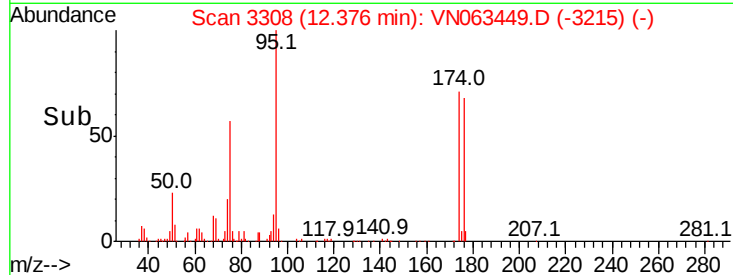
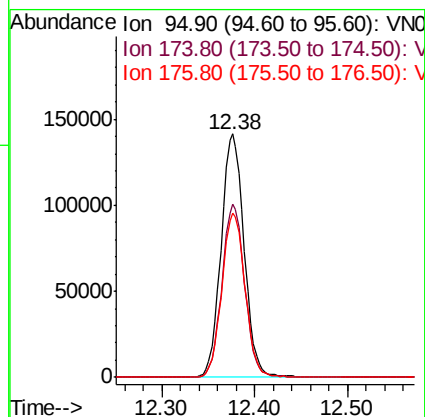
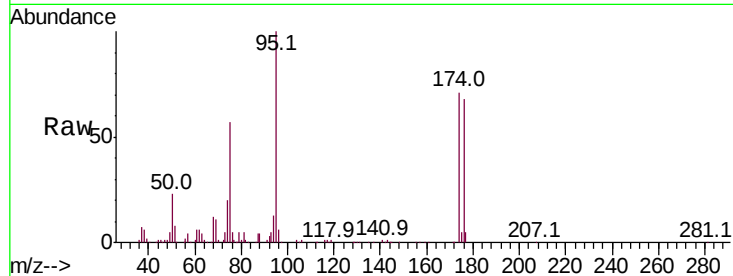




#62
4-Bromofluorobenzene
Concen: 53.950 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063449.D
Acq: 18 Sep 2020 11:36

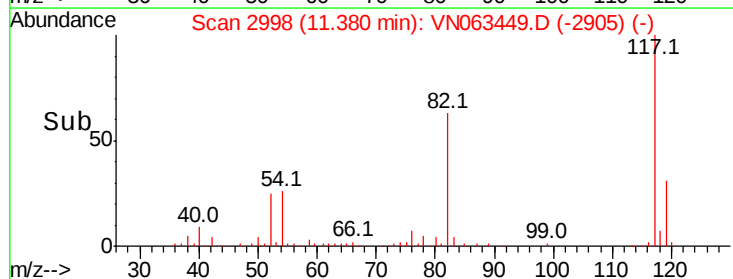
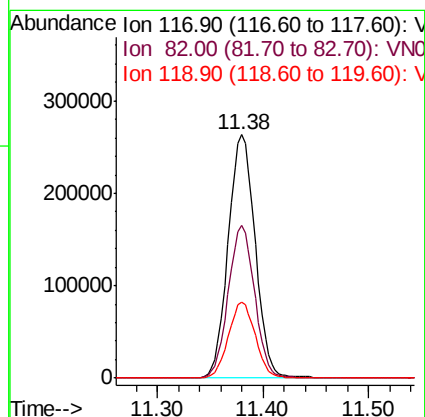
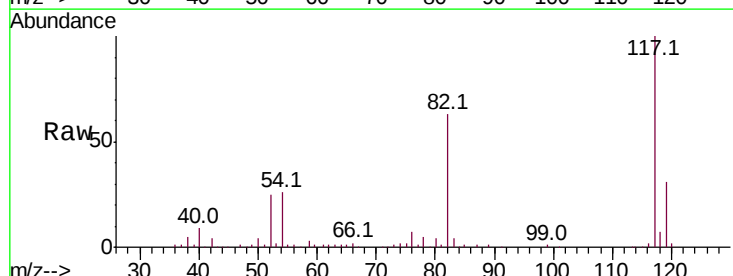
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBL01

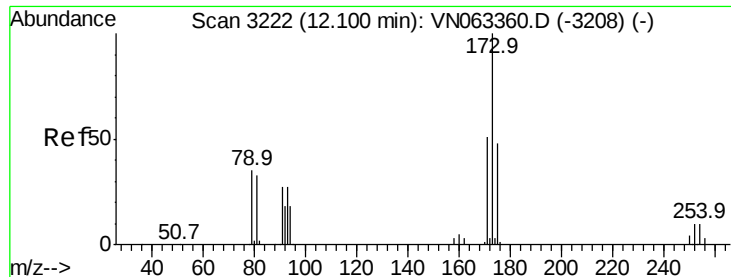
Tot Ion: 95 Resp: 242976
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.8
176 68.0 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063449.D
Acq: 18 Sep 2020 11:36

Tgt Ion: 117 Resp: 466970
Ion Ratio Lower Upper
117 100
82 62.7 49.2 73.8
119 31.5 26.2 39.4





#71

Bromoform

Concen: 0.221 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBL01

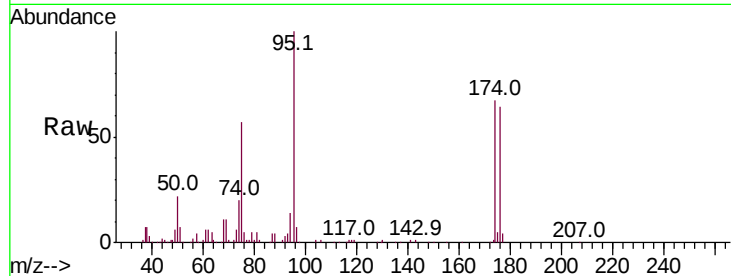
Tot Ion:173 Resp: 599

Ion Ratio Lower Upper

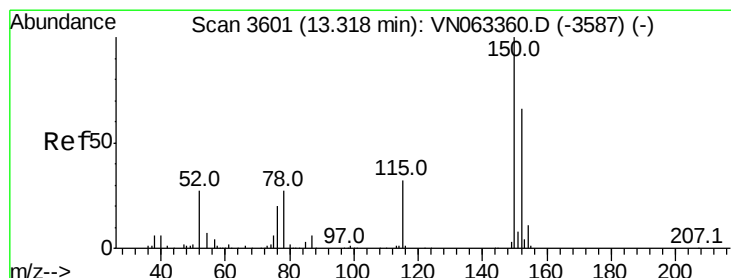
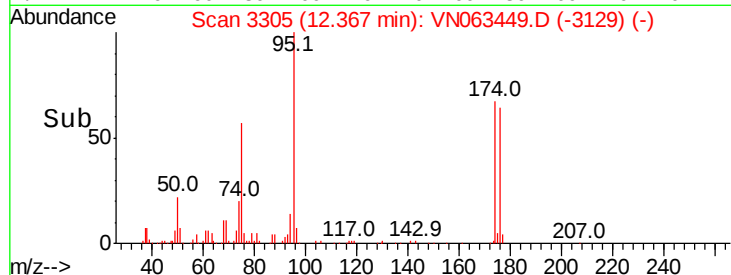
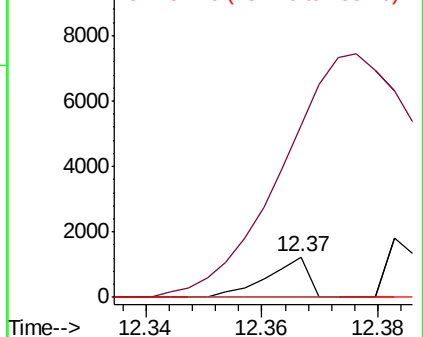
173 100

175 0.0 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: VN063449.D

Acq: 18 Sep 2020 11:36

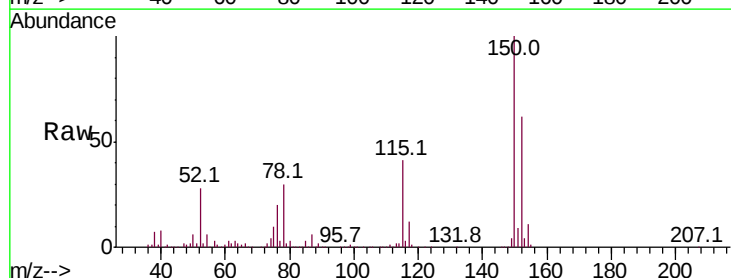
Tgt Ion:152 Resp: 201335

Ion Ratio Lower Upper

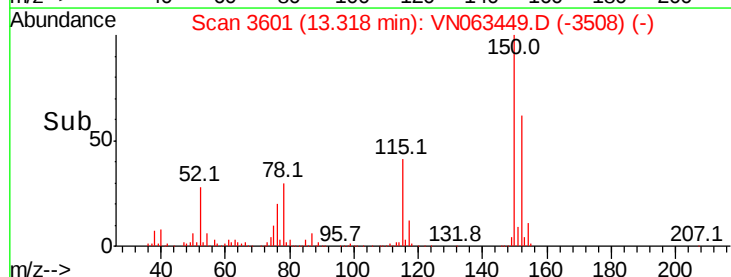
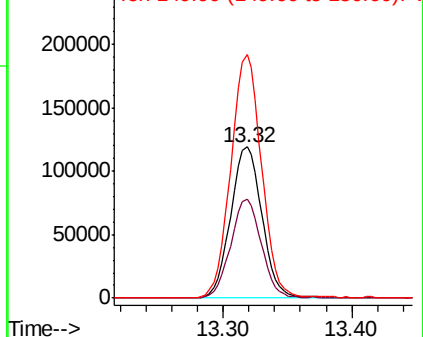
152 100

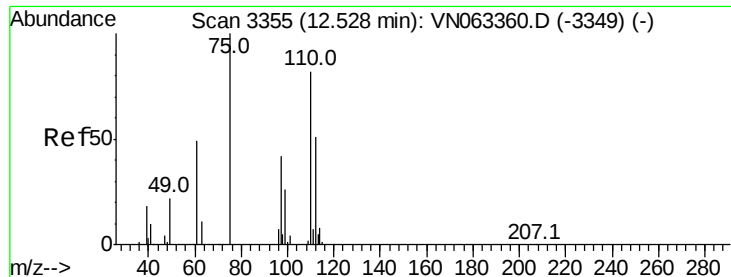
115 63.9 32.2 96.6

150 158.1 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: 27.207 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

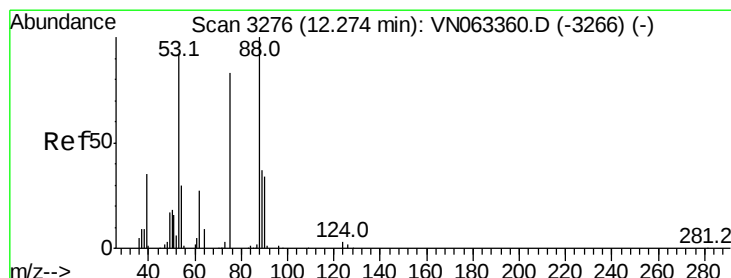
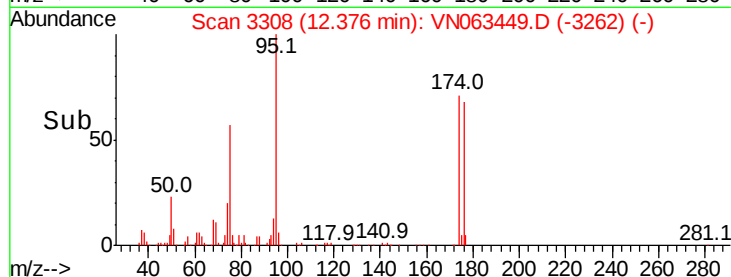
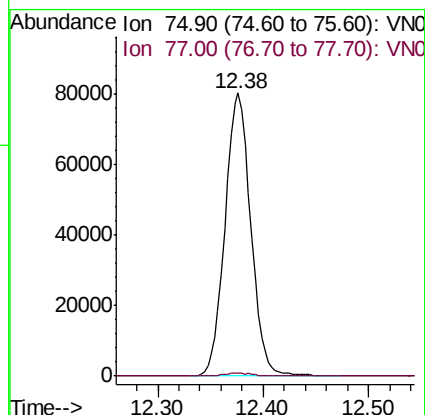
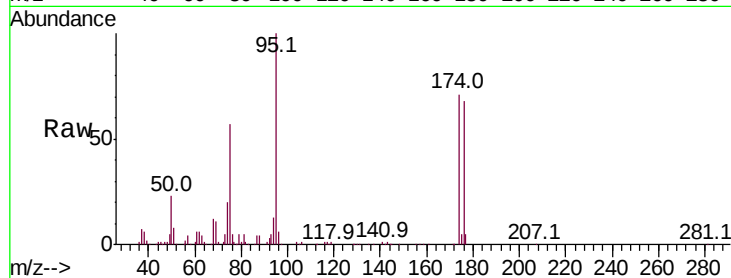
VN0918WBL01

Tot Ion: 75 Resp: 135581

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.591 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063449.D

Acq: 18 Sep 2020 11:36

Tgt Ion: 75 Resp: 135581

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

