

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063228.D
 Acq On : 3 Sep 2020 18:24
 Operator : JC/MD
 Sample : L3902-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901

Quant Time: Sep 04 04:05:53 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

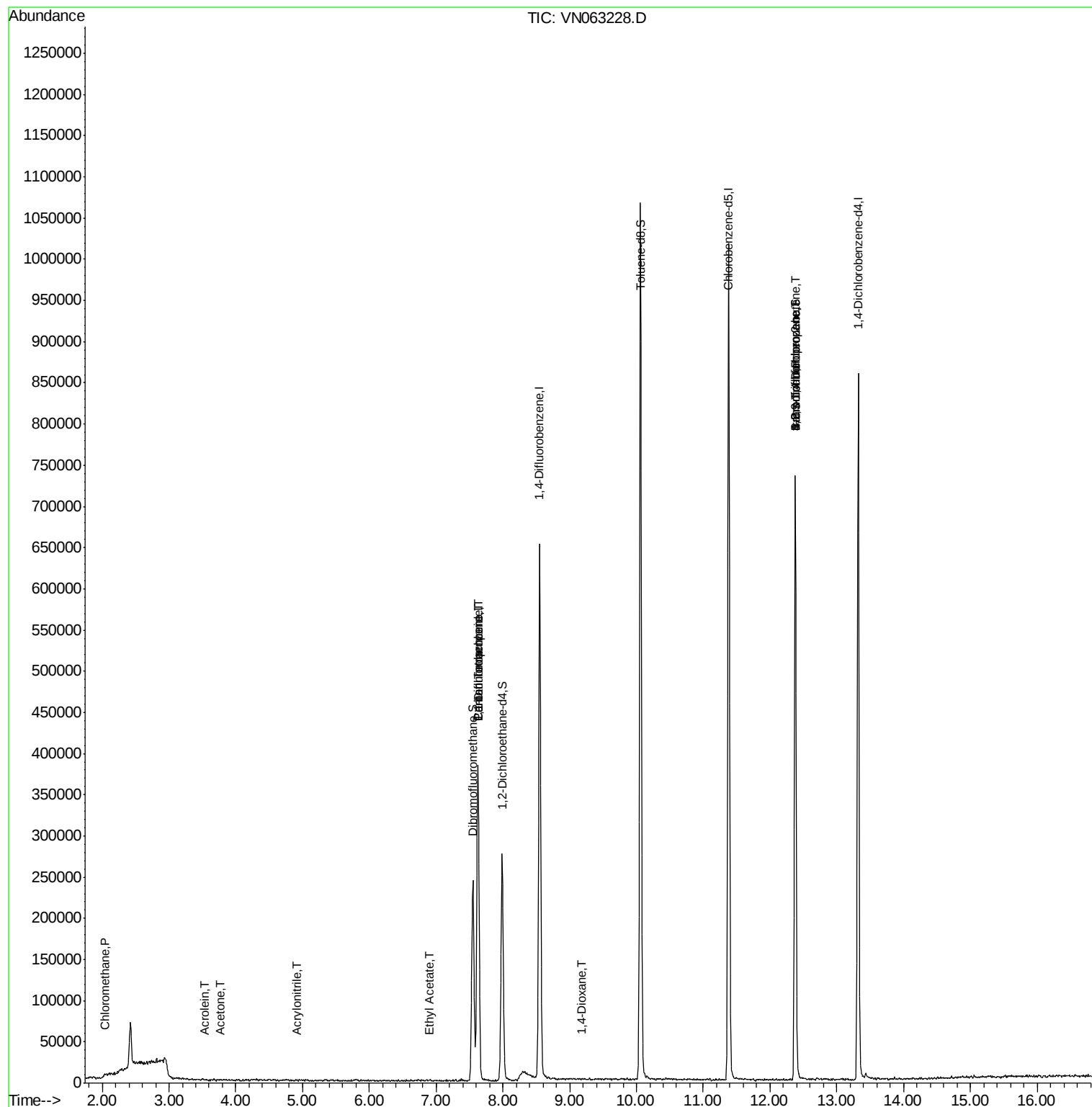
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	286718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	564137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	552731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210342	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	227619	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
35) Dibromofluoromethane	7.55	113	178004	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
50) Toluene-d8	10.06	98	705281	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.38	95	244011	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1973	0.480	ug/l	91
7) Trichlorofluoromethane	2.87	101	60	Below Cal	#	19
13) Acrolein	3.53	56	96	16.180	ug/l #	15
15) Acrylonitrile	4.92	53	155	2.499	ug/l #	23
16) Acetone	3.76	43	310	0.233	ug/l #	31
20) Methylene Chloride	4.51	84	195	Below Cal	#	67
31) Cyclohexane	7.63	56	8646	Below Cal	#	37
36) 1,1-Dichloropropene	7.62	75	27251	5.025	ug/l #	50
37) Ethyl Acetate	6.90	43	356	0.449	ug/l #	72
38) Carbon Tetrachloride	7.62	117	31571	5.740	ug/l #	14
49) 1,4-Dioxane	9.19	88	145	2.351	ug/l #	1
71) Bromoform	12.38	173	1579	0.563	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	139940	33.861	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139940	81.841	ug/l #	10

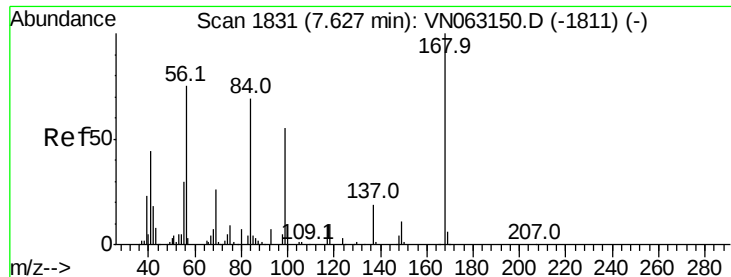
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

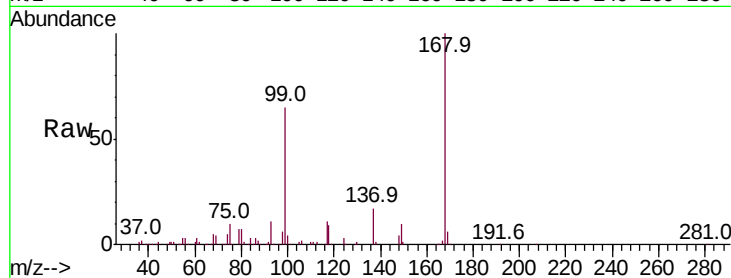
SA-MW131I-20200901

Tot Ion:168 Resp: 286718

Ion Ratio Lower Upper

168 100

99 64.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

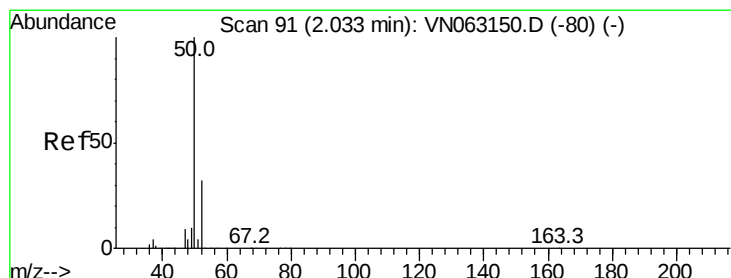
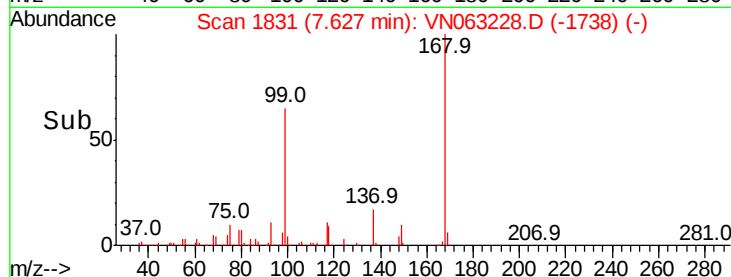
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.480 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063228.D

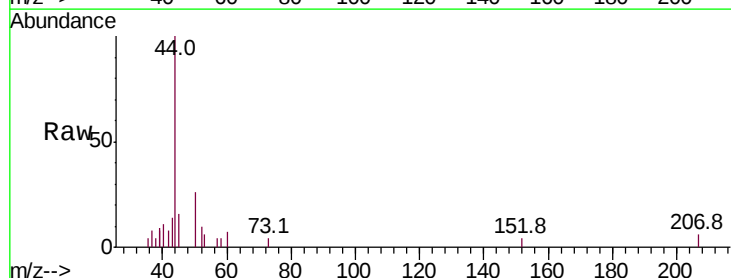
Acq: 3 Sep 2020 18:24

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

50 100

52 37.2 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

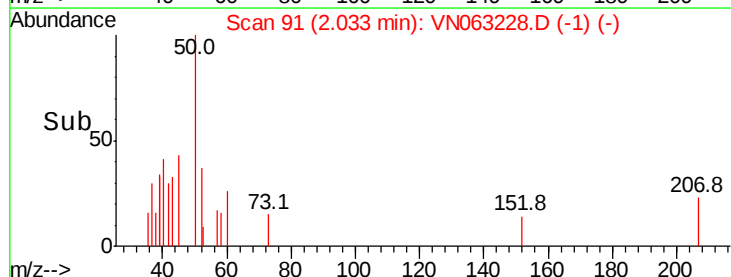
600

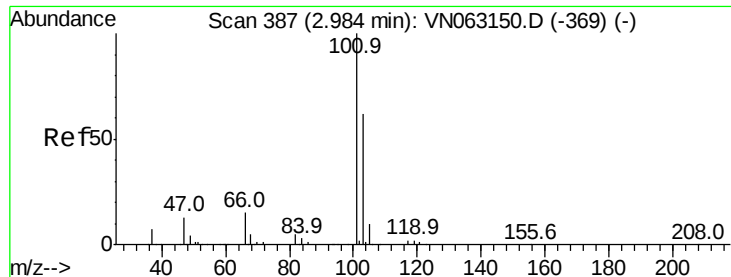
400

200

0

Time--> 2.00 2.05





#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.87 min Scan# 350

Delta R.T. -0.12 min

Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

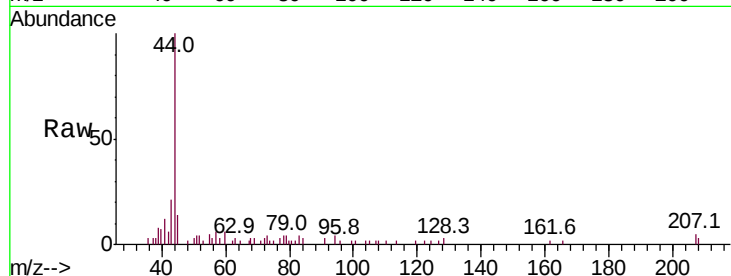
SA-MW131I-20200901

Tot Ion:101 Resp: 60

Ion Ratio Lower Upper

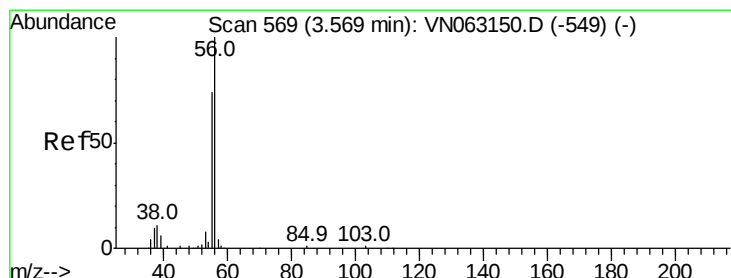
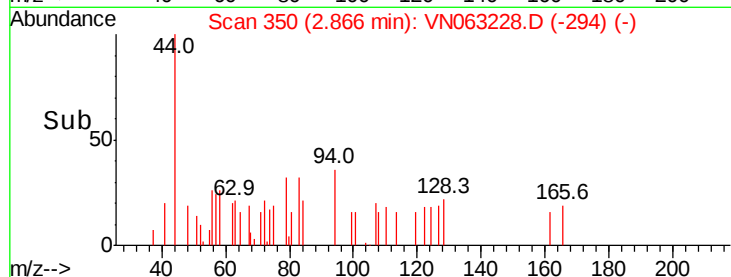
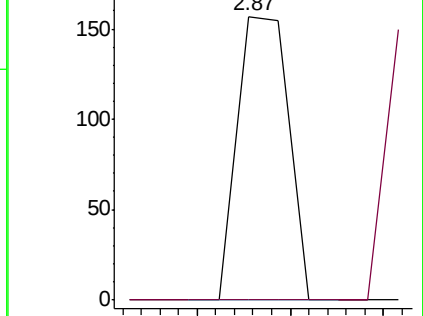
101 100

103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#13

Acrolein

Concen: 16.180 ug/l

RT: 3.53 min Scan# 558

Delta R.T. -0.03 min

Lab File: VN063228.D

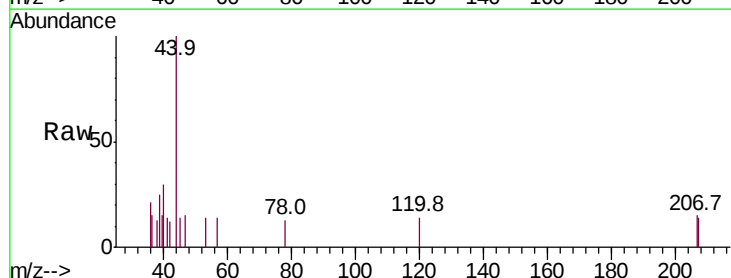
Acq: 3 Sep 2020 18:24

Tgt Ion: 56 Resp: 96

Ion Ratio Lower Upper

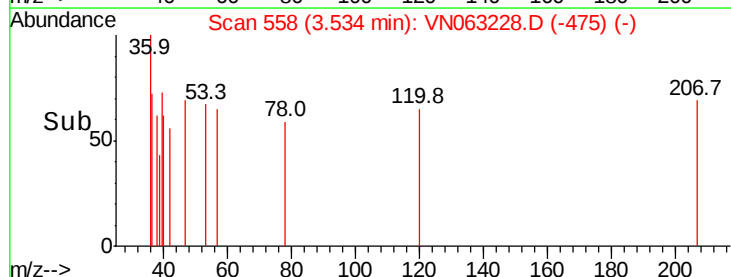
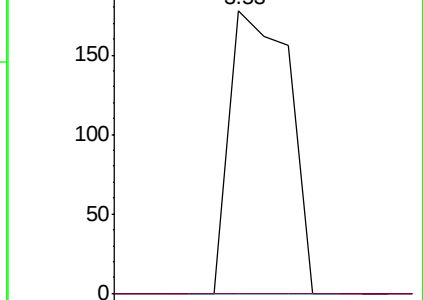
56 100

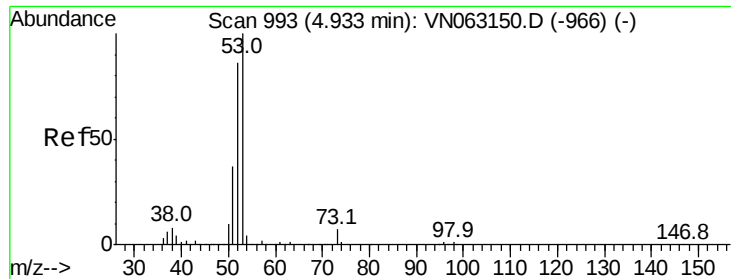
55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V





#15

Acrylonitrile

Concen: 2.499 ug/l

RT: 4.92 min Scan# 988

Delta R.T. -0.02 min

Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :

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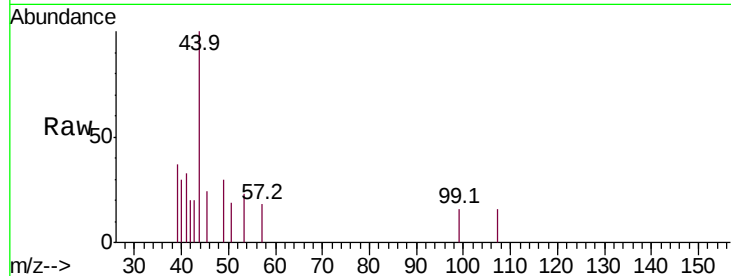
Tot Ion: 53 Resp: 155

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

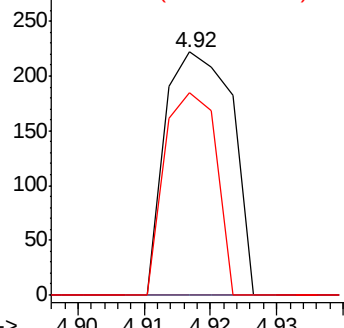
51 63.9 30.2 45.4#



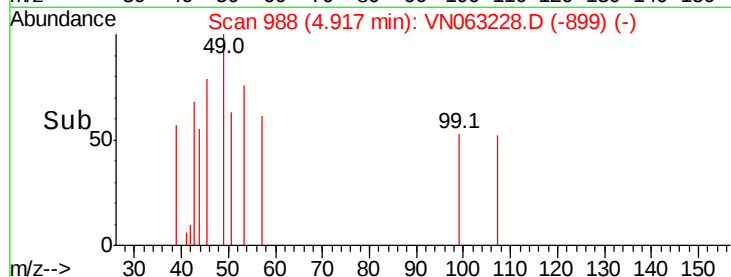
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 0.233 ug/l

RT: 3.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN063228.D

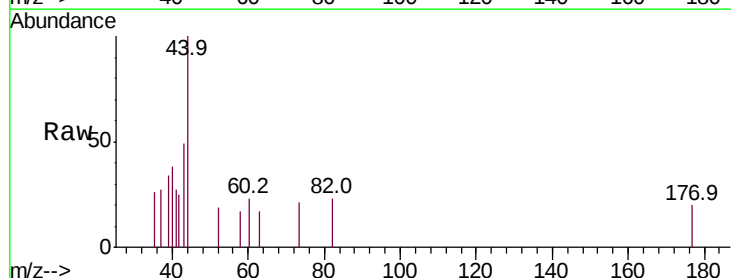
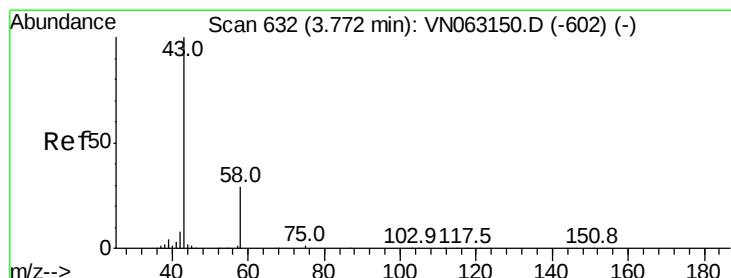
Acq: 3 Sep 2020 18:24

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

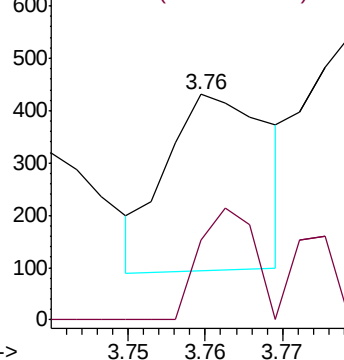
43 100

58 65.5 23.1 34.7#

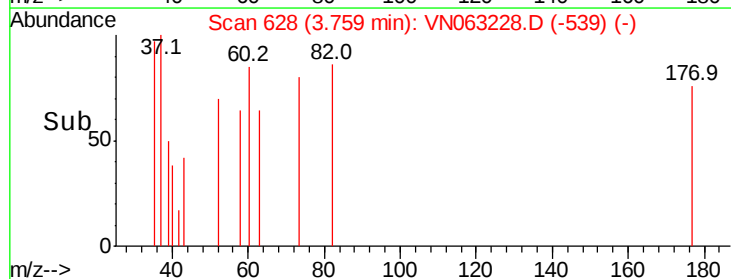


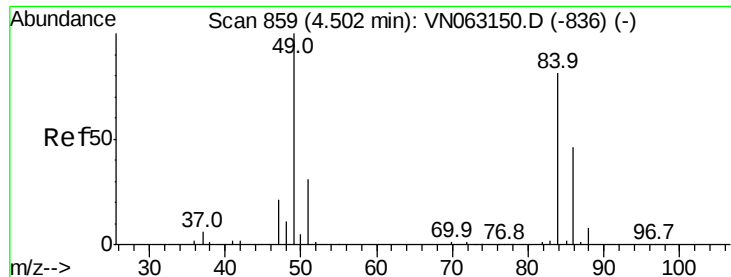
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

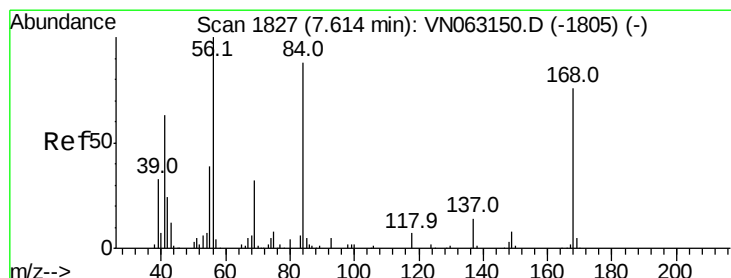
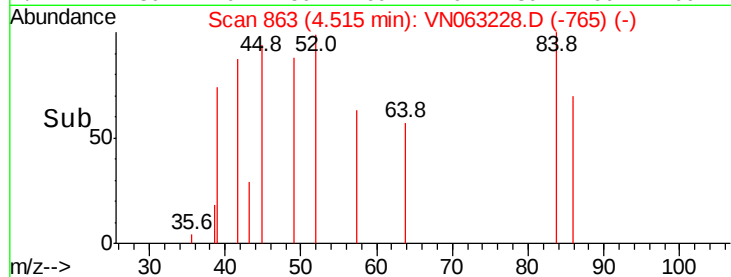
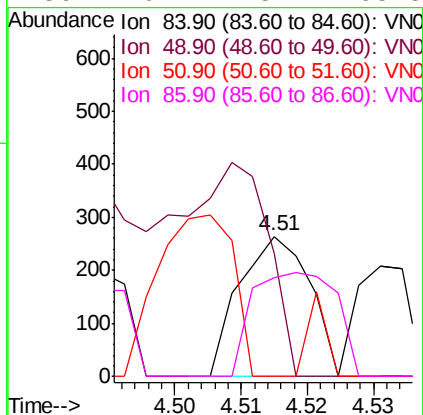
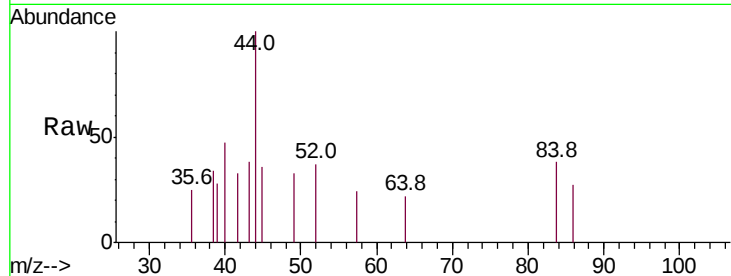




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

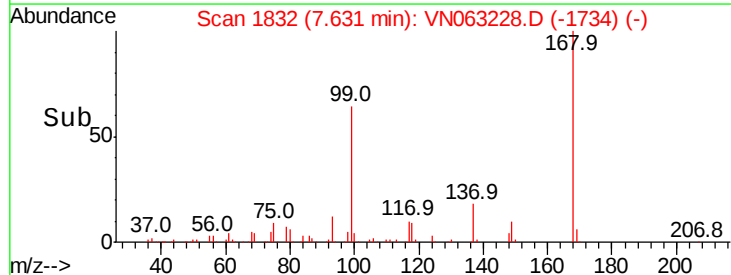
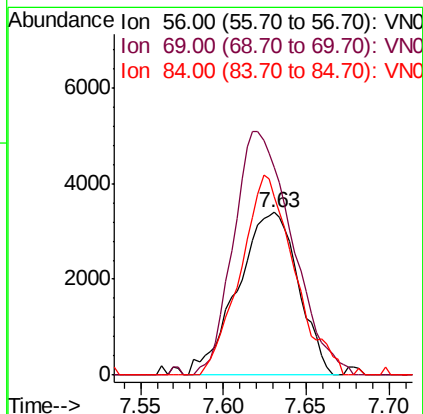
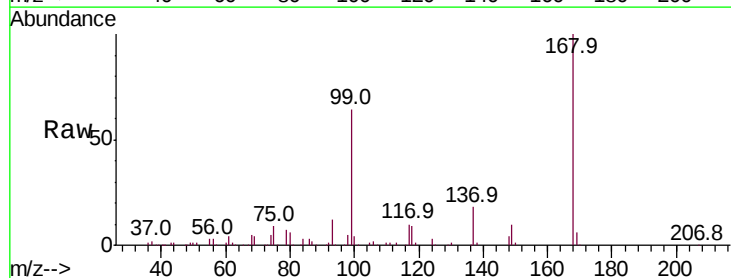
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901

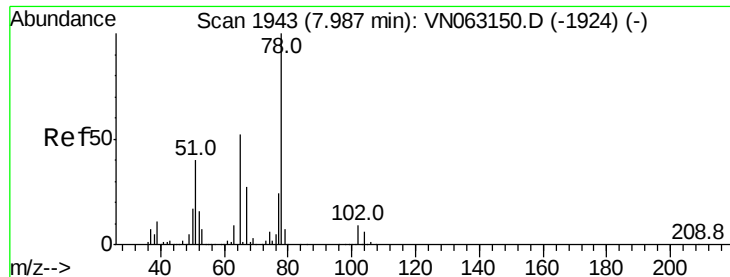
Tot Ion: 84 Resp: 195
Ion Ratio Lower Upper
84 100
49 87.9 98.4 147.6#
51 0.0 30.4 45.6#
86 70.1 45.7 68.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

Tgt Ion: 56 Resp: 8646
Ion Ratio Lower Upper
56 100
69 127.4 25.4 38.0#
84 109.4 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 48.564 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

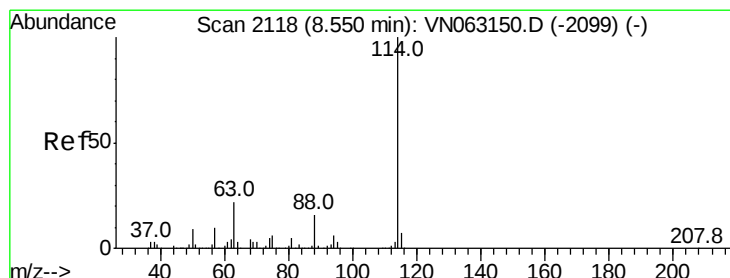
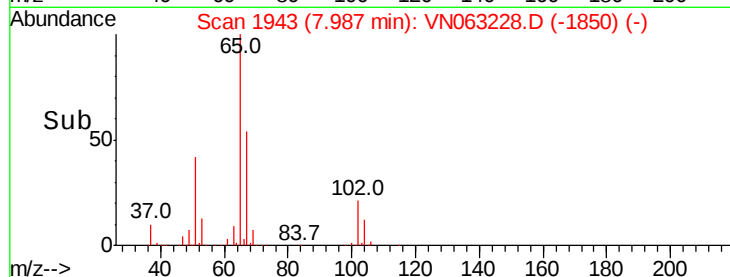
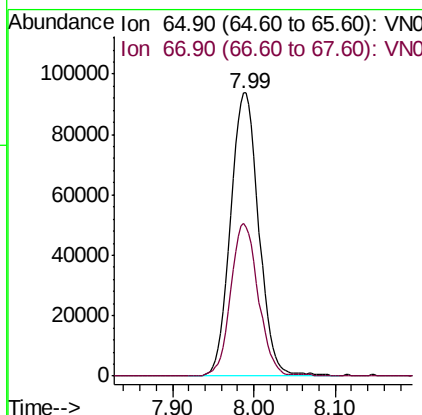
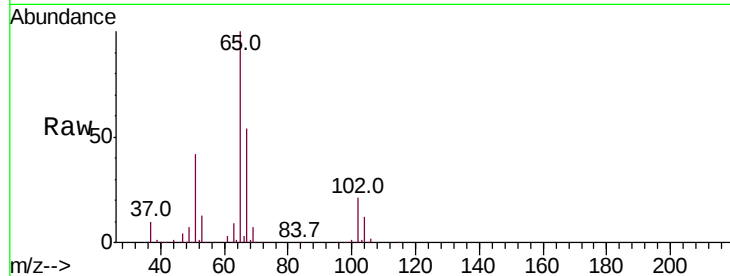
Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901

Tot Ion: 65 Resp: 227619

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

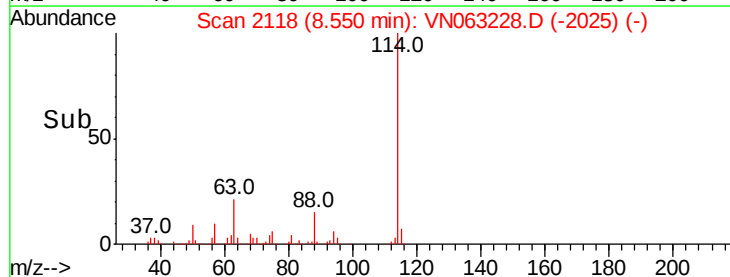
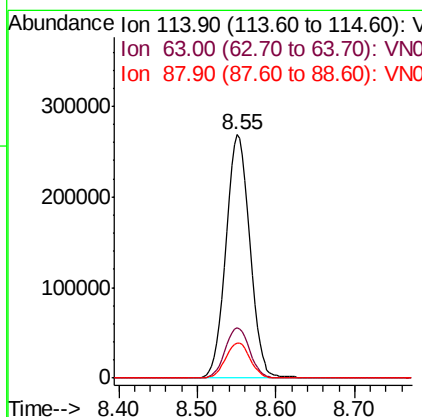
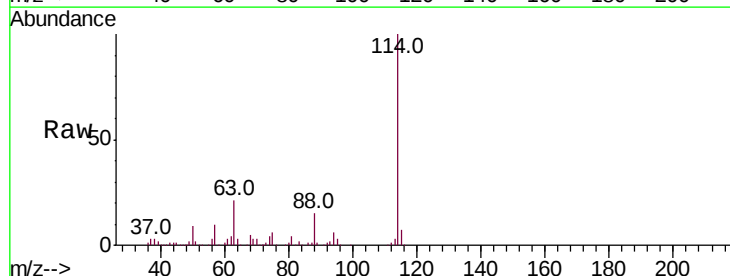
Delta R.T. 0.00 min

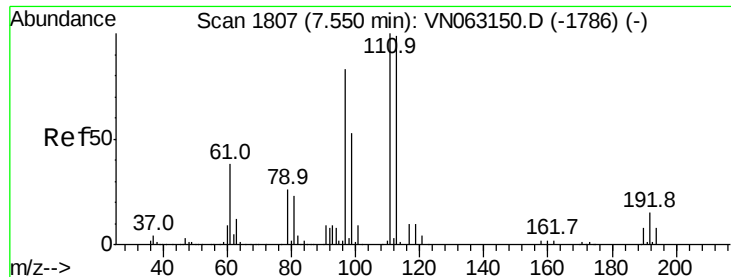
Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Tgt Ion: 114 Resp: 564137

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.0
88	14.6	0.0	31.6

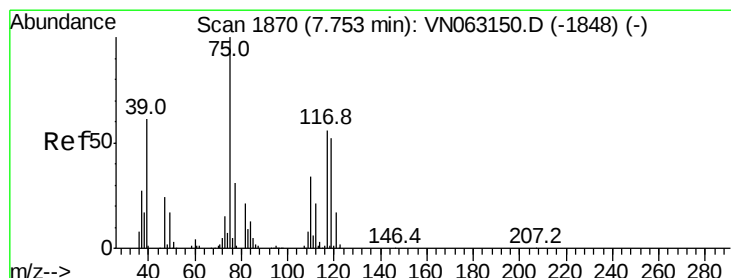
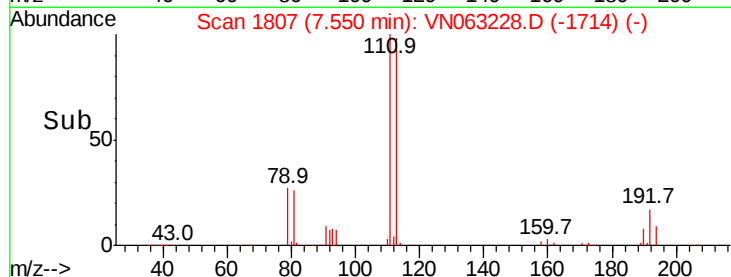
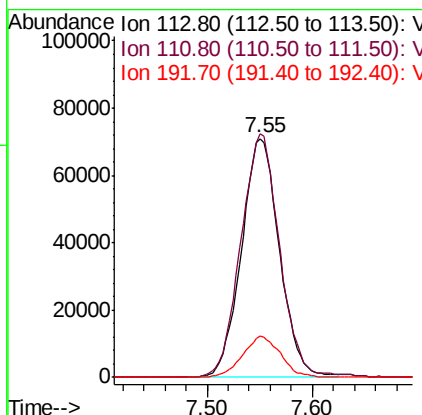
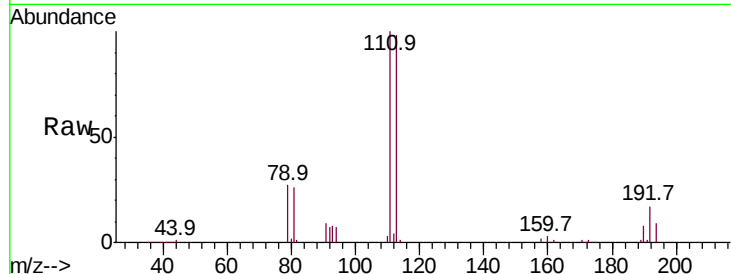




#35
Dibromofluoromethane
Concen: 49.183 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

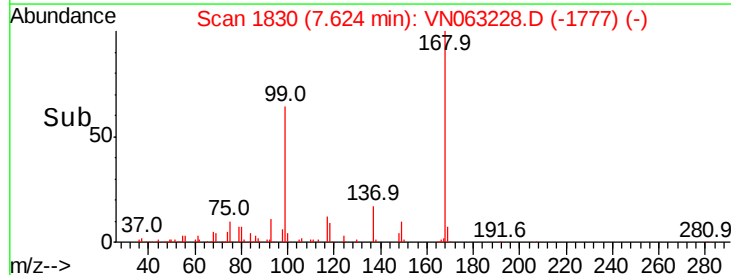
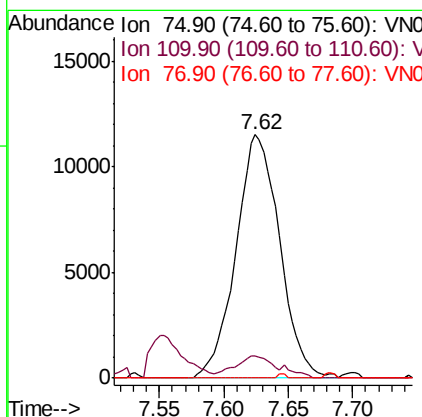
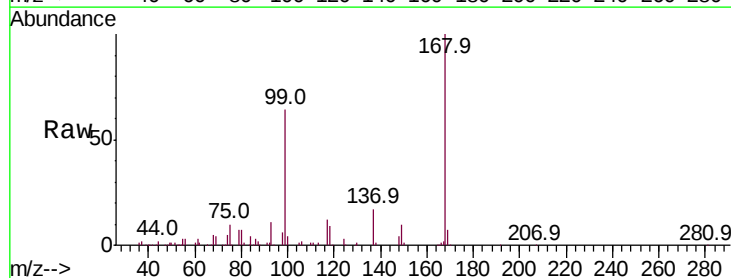
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901

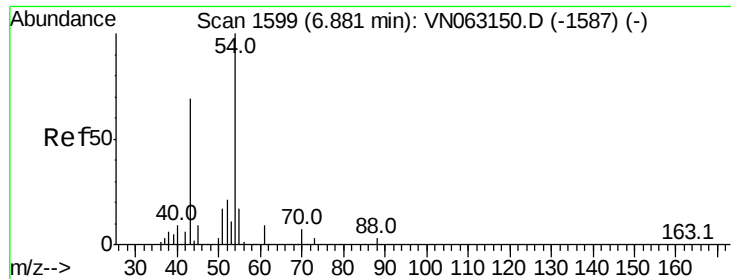
Tot Ion:113 Resp: 178004
Ion Ratio Lower Upper
113 100
111 104.3 80.7 121.1
192 17.1 12.6 19.0



#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

Tgt Ion: 75 Resp: 27251
Ion Ratio Lower Upper
75 100
110 9.1 16.6 49.8#
77 0.0 25.4 38.2#

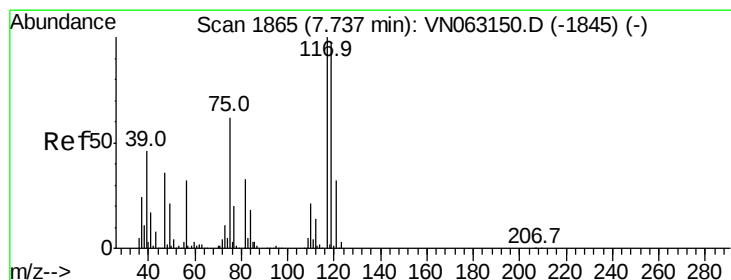
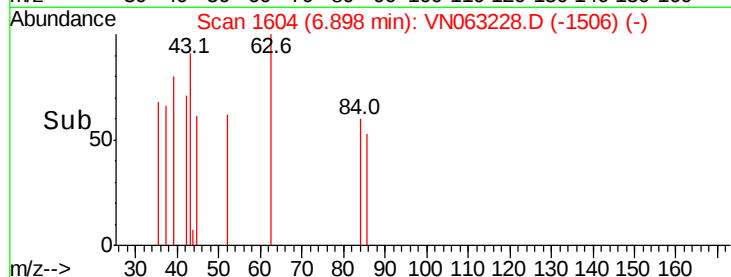
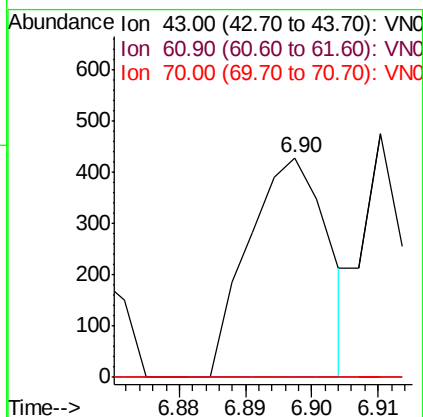
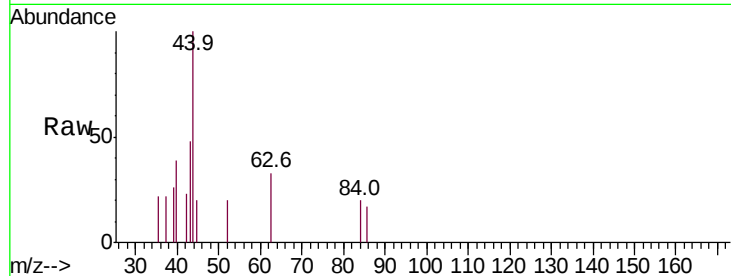




#37
Ethyl Acetate
Concen: 0.449 ug/l
RT: 6.90 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

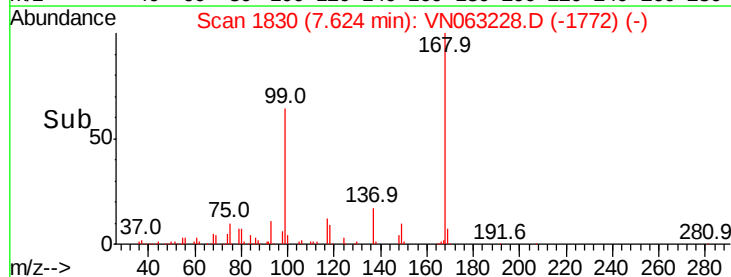
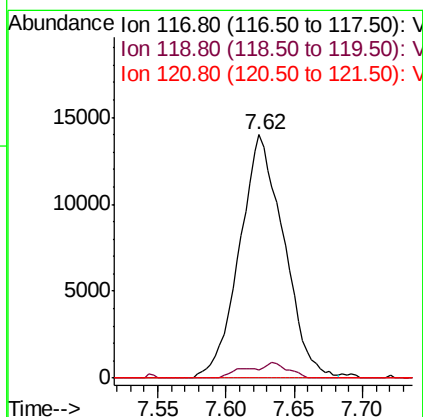
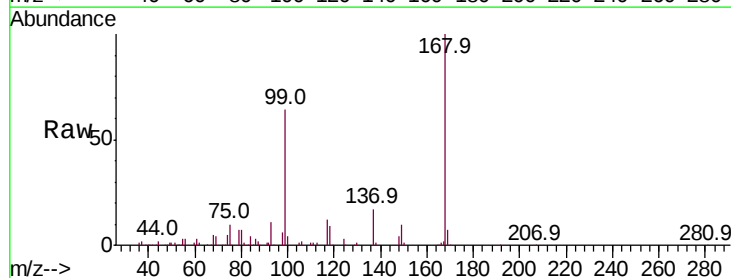
Instrument :
MSVOA_N
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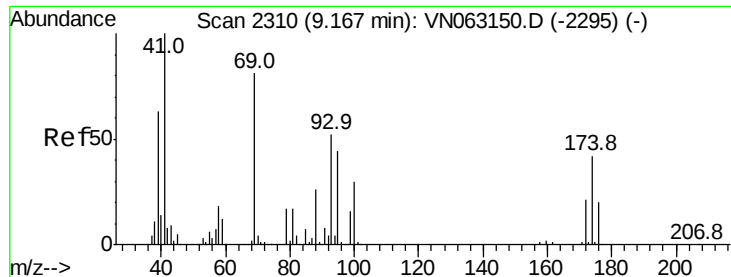
Tot Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.740 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

Tgt Ion: 117 Resp: 31571
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.351 ug/l

RT: 9.19 min Scan# 2317

Delta R.T. 0.02 min

Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901

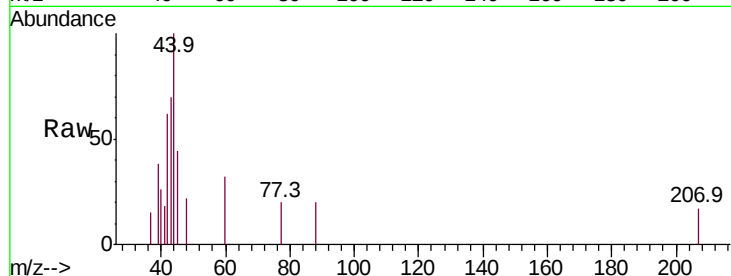
Tot Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 460.7 28.6 42.8#

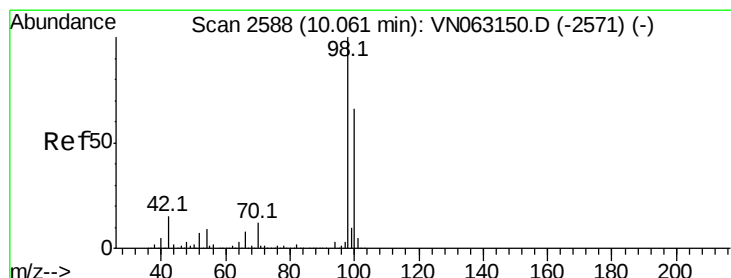
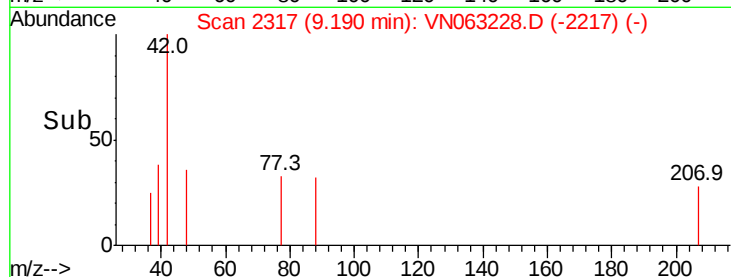
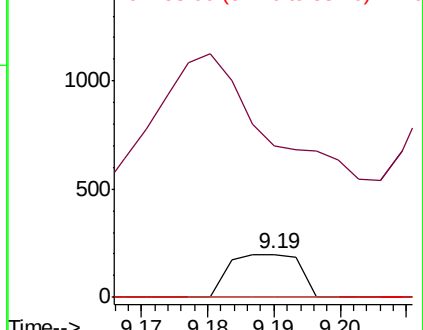
58 0.0 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VN063150.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063150.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-2295) (-)



#50

Toluene-d8

Concen: 50.629 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063228.D

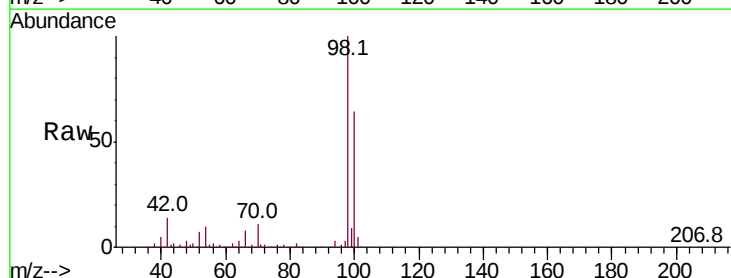
Acq: 3 Sep 2020 18:24

Tgt Ion: 98 Resp: 705281

Ion Ratio Lower Upper

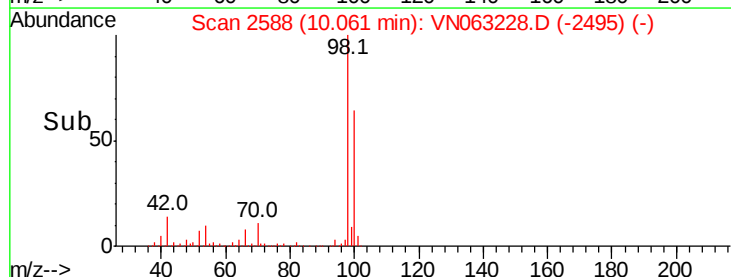
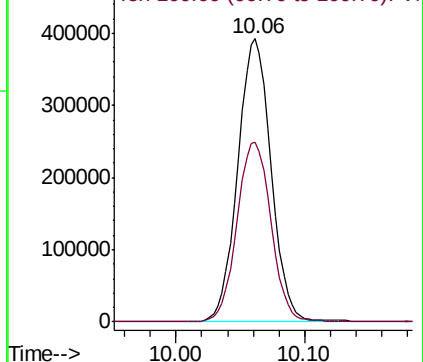
98 100

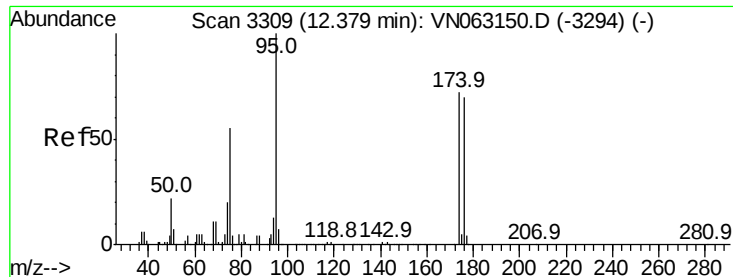
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN063150.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063150.D (-2571) (-)

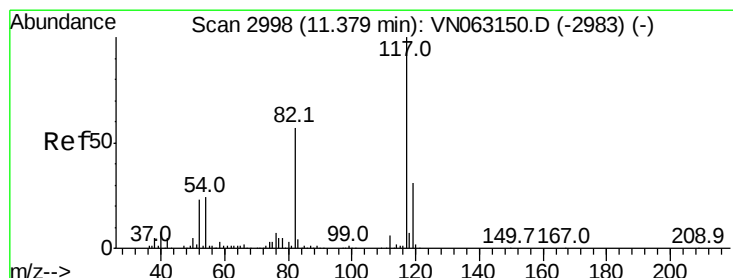
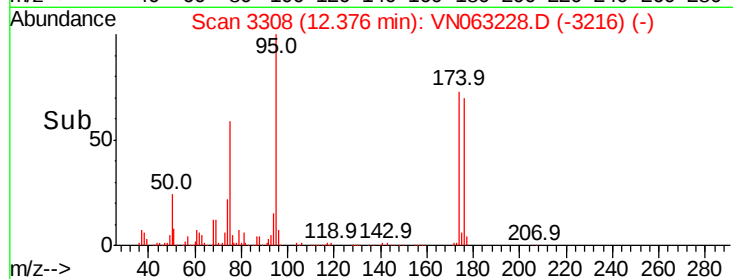
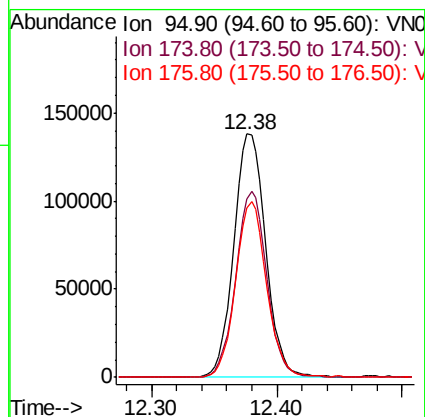
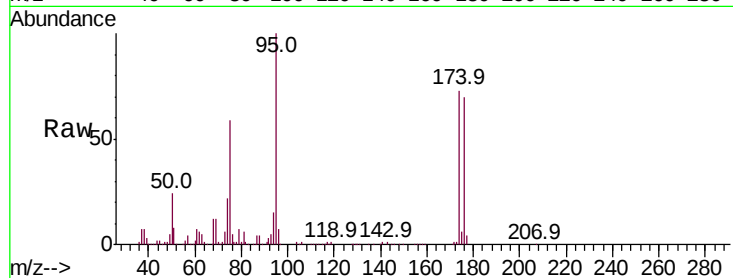




#62
4-Bromofluorobenzene
Concen: 50.075 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

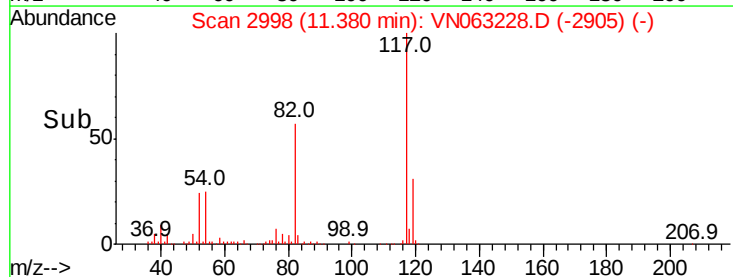
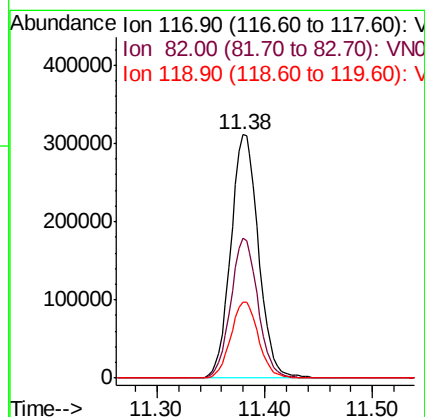
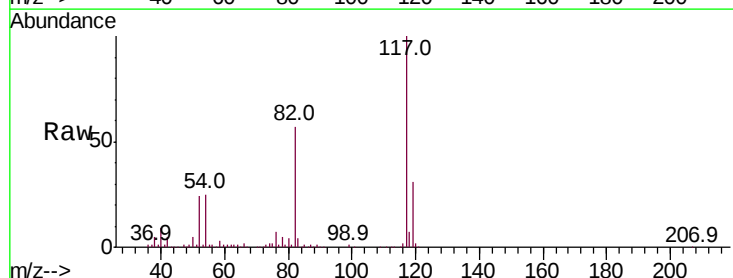
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901

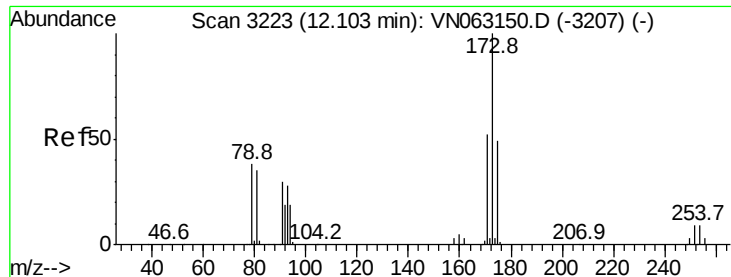
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	143.8
176	70.1	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063228.D
Acq: 3 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.0
119	31.1	24.6	37.0





#71

Bromoform

Concen: 0.563 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901

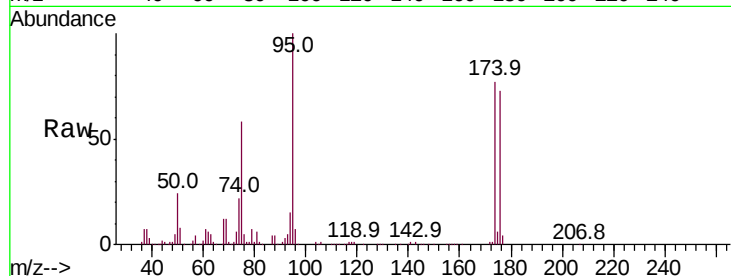
Tot Ion:173 Resp: 1579

Ion Ratio Lower Upper

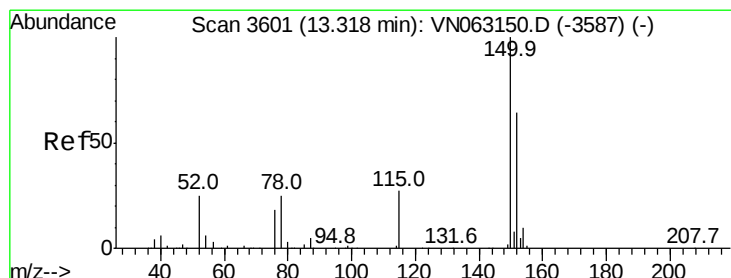
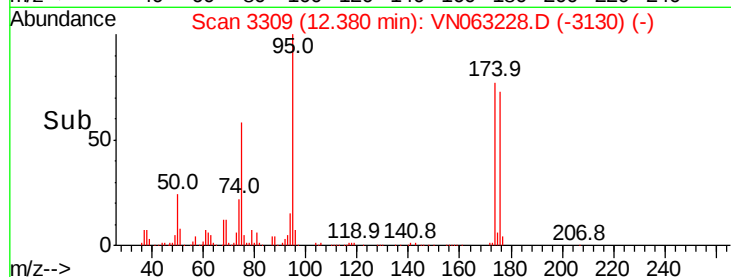
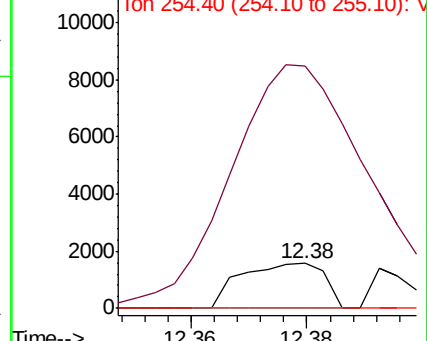
173 100

175 757.9 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# 3602

Delta R.T. 0.00 min

Lab File: VN063228.D

Acq: 3 Sep 2020 18:24

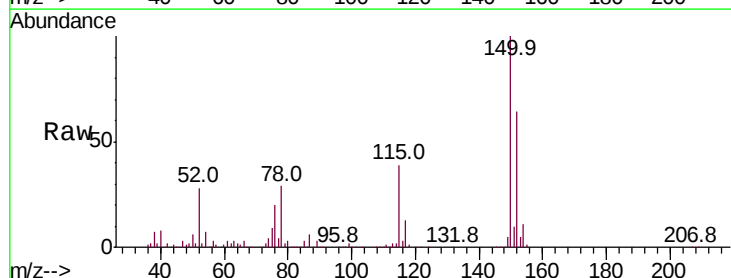
Tgt Ion:152 Resp: 210342

Ion Ratio Lower Upper

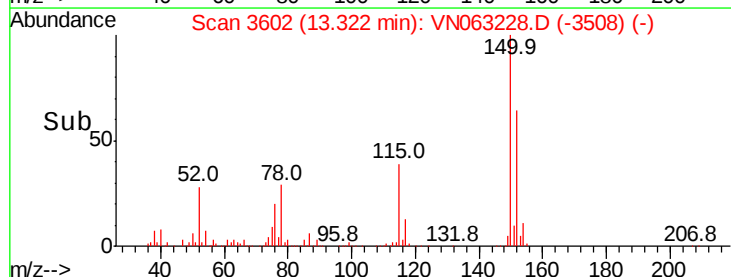
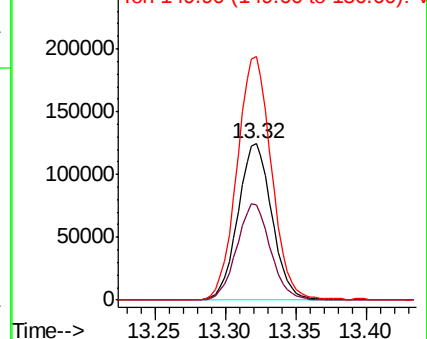
152 100

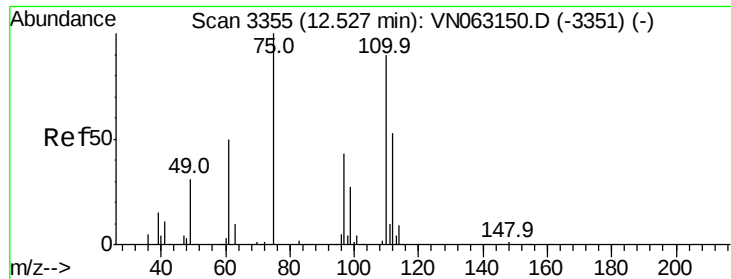
115 61.2 32.0 96.2

150 158.2 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

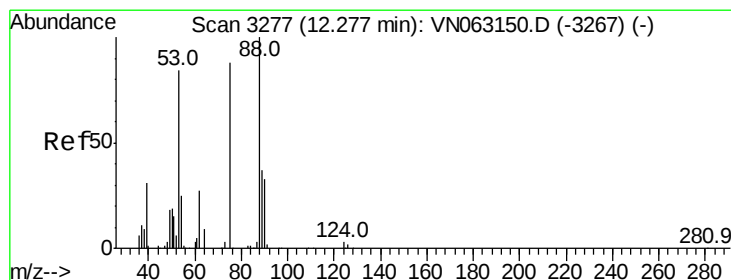
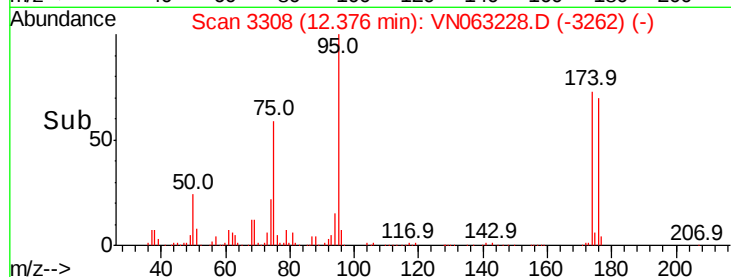
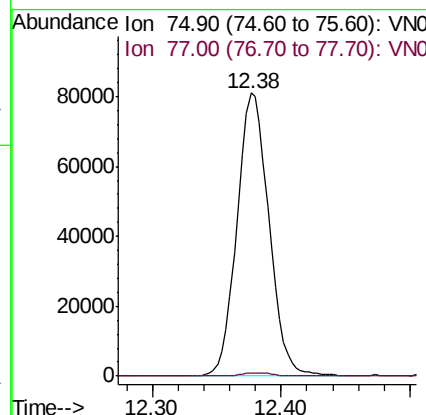
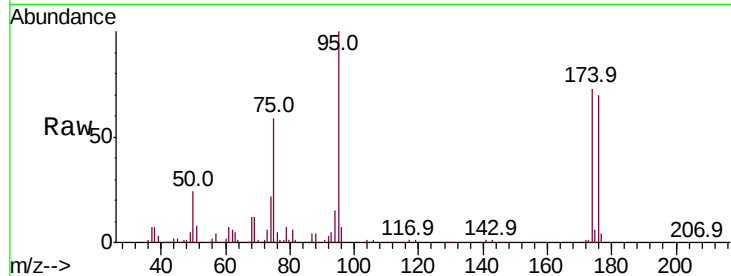




#76
 1,2,3-Trichloropropane
 Concen: 33.861 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063228.D
 Acq: 3 Sep 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901

Tot Ion: 75 Resp: 139940
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.841 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063228.D
 Acq: 3 Sep 2020 18:24

Tgt Ion: 75 Resp: 139940
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.7 118.1#
 89 0.1 35.3 52.9#

