

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064762.D
 Acq On : 20 Nov 2020 5:55
 Operator : JC/MD
 Sample : L4798-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20201118

Quant Time: Nov 20 06:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	240674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	617268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	232595	54.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.88%	
35) Dibromofluoromethane	7.55	113	177673	72.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	144.60%	
50) Toluene-d8	10.06	98	630122	56.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.84%	
62) 4-Bromofluorobenzene	12.38	95	227100	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	

Target Compounds

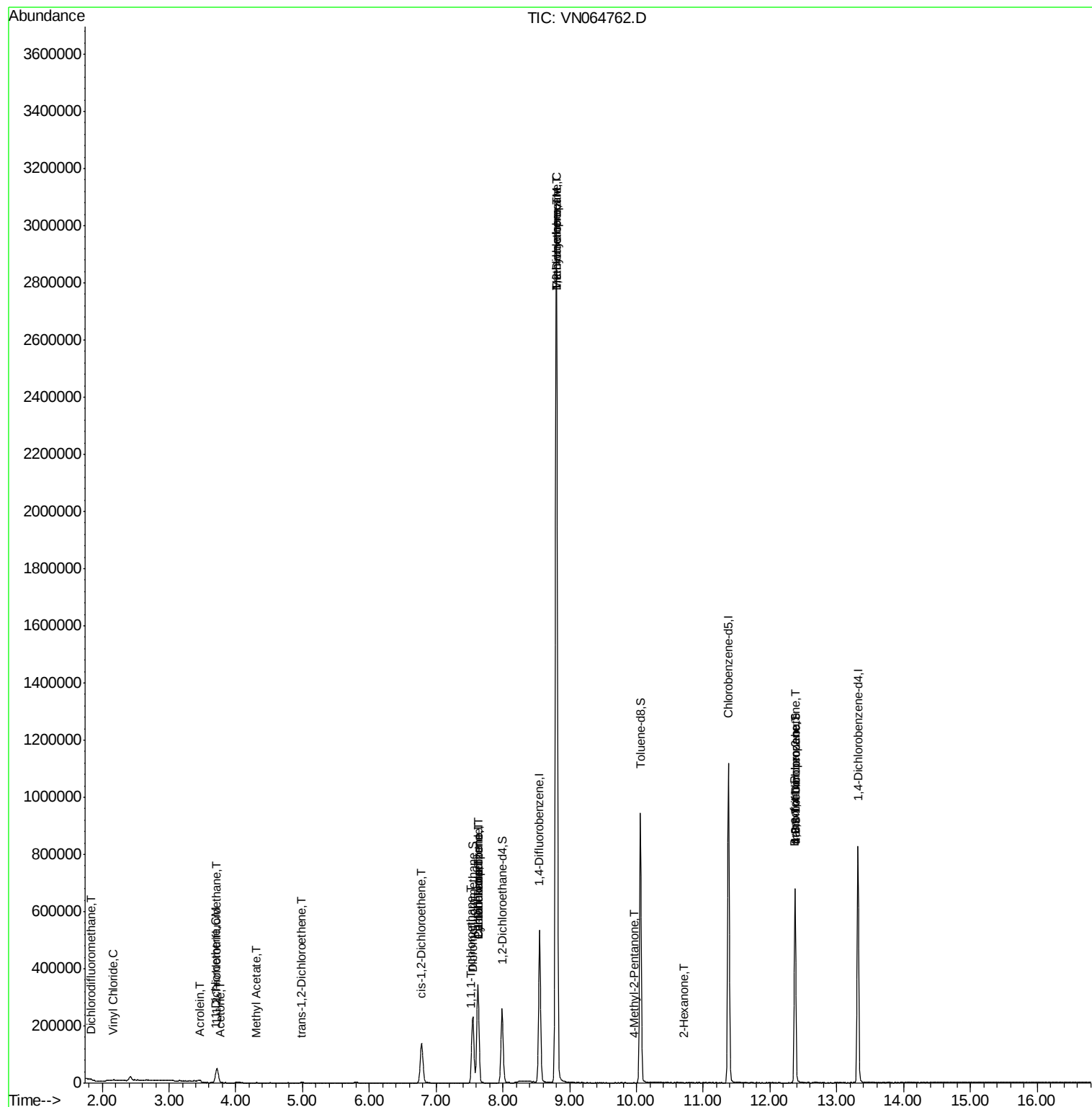
						Qvalue
2) Dichlorodifluoromethane	1.83	85	1385	0.461	ug/l	73
4) Vinyl Chloride	2.17	62	2832	0.816	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29461	10.970	ug/l	98
12) 1,1-Dichloroethene	3.69	96	2467	0.953	ug/l	94
13) Acrolein	3.46	56	63	0.655	ug/l #	64
16) Acetone	3.78	43	556	5.596	ug/l #	64
18) Methyl Acetate	4.29	43	469	1.481	ug/l #	54
21) trans-1,2-Dichloroethene	4.99	96	1293	0.448	ug/l #	92
27) cis-1,2-Dichloroethene	6.78	96	84526	26.555	ug/l	89
31) Cyclohexane	7.63	56	6922	1.512	ug/l #	11
32) 1,1,1-Trichloroethane	7.52	97	1100	0.201	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	23291	5.244	ug/l #	47
38) Carbon Tetrachloride	7.63	117	27753	5.879	ug/l #	16
39) Methylcyclohexane	8.80	83	15256	3.876	ug/l #	1
44) Trichloroethene	8.80	130	1028027	289.447	ug/l	97
45) 1,2-Dichloropropane	8.80	63	2992	0.907	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	198	6.174	ug/l #	39
59) 2-Hexanone	10.71	43	422	8.567	ug/l #	28
71) Bromoform	12.36	173	650	2.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	129248	30.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	129248	77.662	ug/l #	5

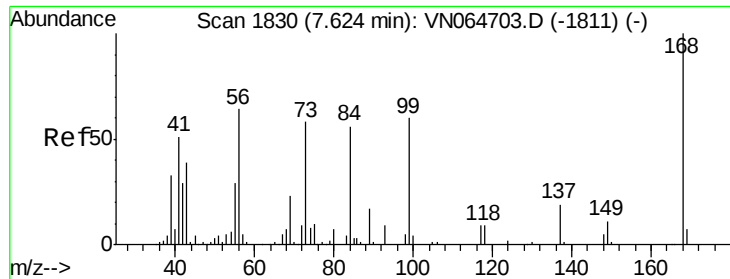
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 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: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

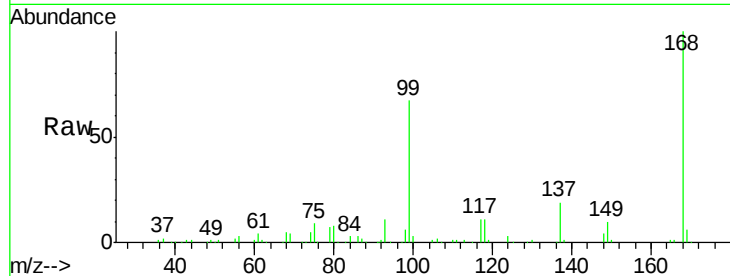
08BR-20201118

Tot Ion:168 Resp: 240674

Ion Ratio Lower Upper

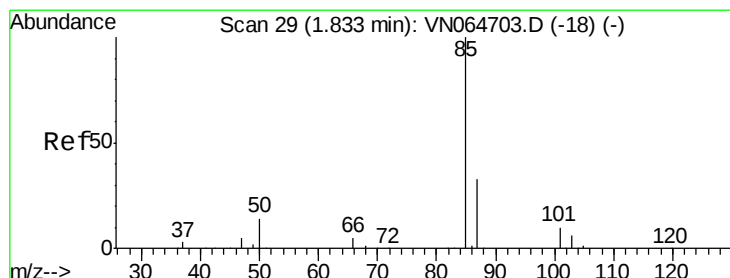
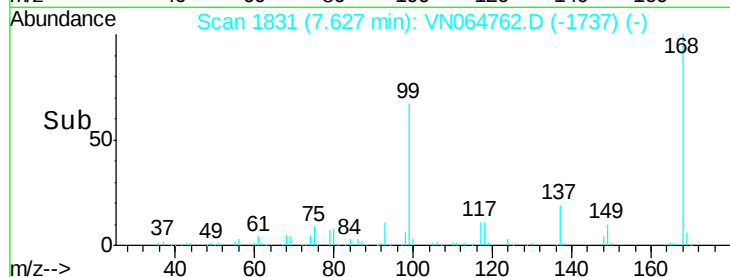
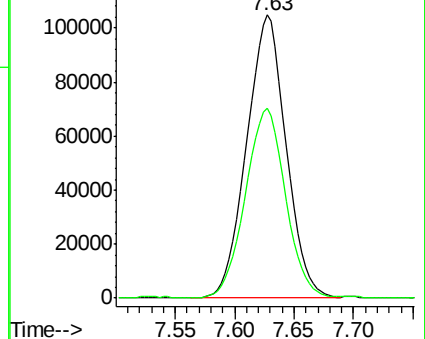
168 100

99 67.1 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.461 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064762.D

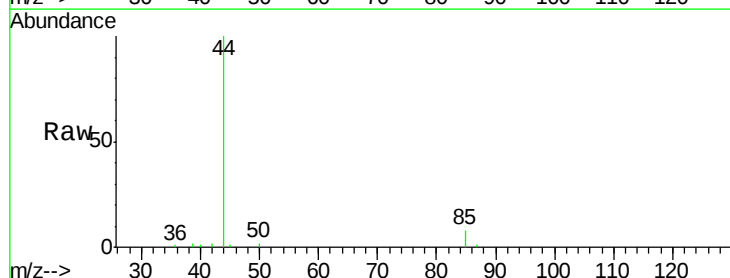
Acq: 20 Nov 2020 5:55

Tgt Ion: 85 Resp: 1385

Ion Ratio Lower Upper

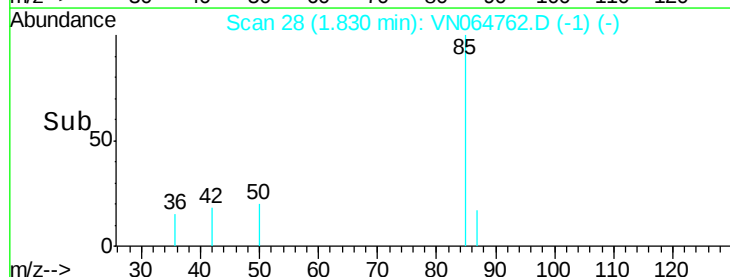
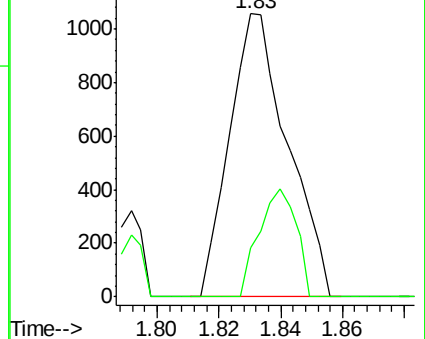
85 100

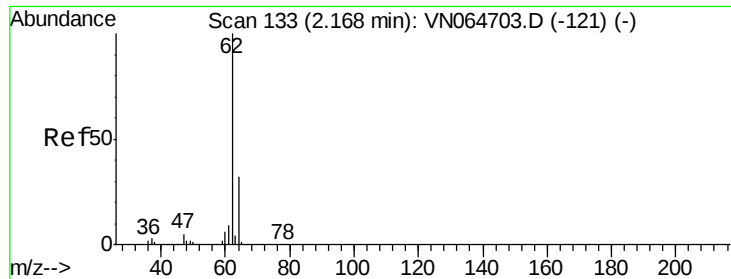
87 17.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#4

Vinyl Chloride

Concen: 0.816 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

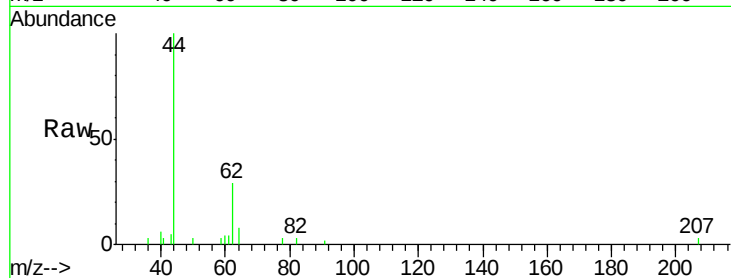
08BR-20201118

Tot Ion: 62 Resp: 2832

Ion Ratio Lower Upper

62 100

64 28.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN064703.D (-121) (-)

Ion 63.90 (63.60 to 64.60): VN064703.D (-121) (-)

2.17

2000

1500

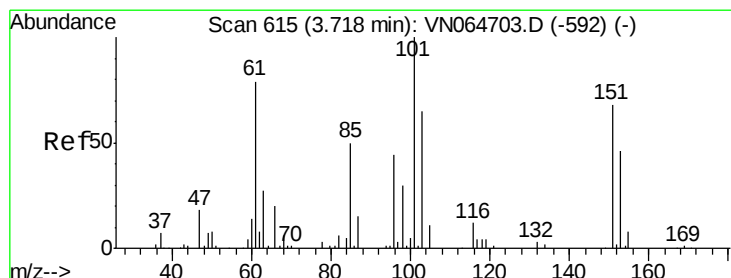
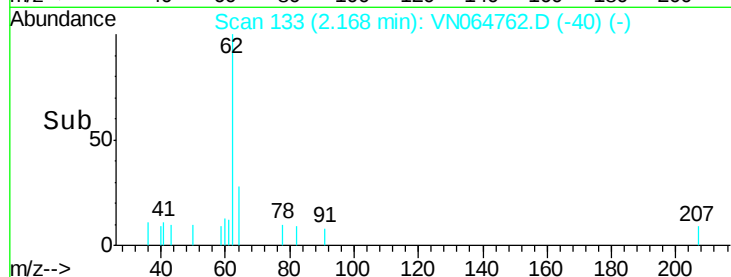
1000

500

0

2.15 2.20

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.970 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

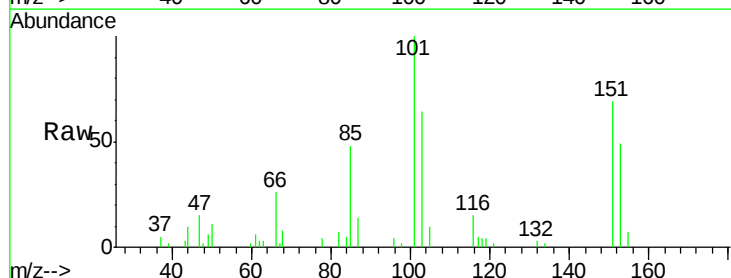
Tgt Ion: 101 Resp: 29461

Ion Ratio Lower Upper

101 100

85 50.0 39.0 58.4

151 72.9 57.2 85.8



Abundance Ion 100.90 (100.60 to 101.60): VN064703.D (-592) (-)

Ion 84.90 (84.60 to 85.60): VN064703.D (-592) (-)

Ion 150.80 (150.50 to 151.50): VN064703.D (-592) (-)

3.72

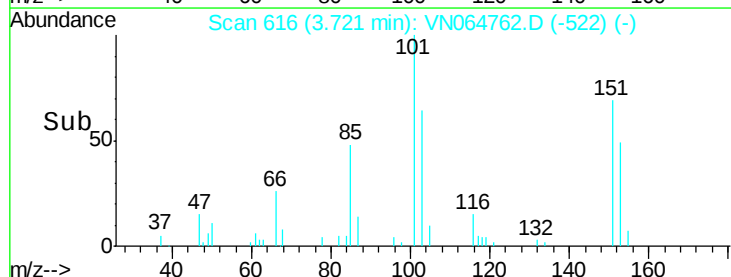
10000

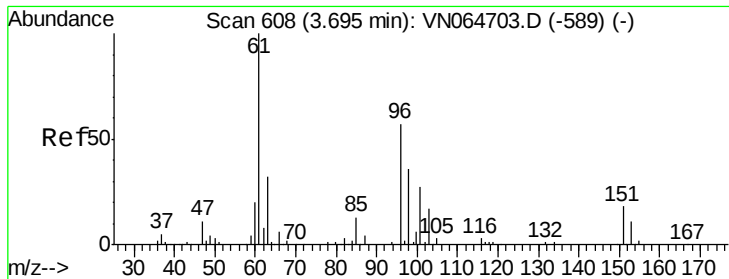
5000

0

3.60 3.65 3.70 3.75 3.80

Time-->





#12

1,1-Dichloroethene

Concen: 0.953 ug/l

RT: 3.69 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

08BR-20201118

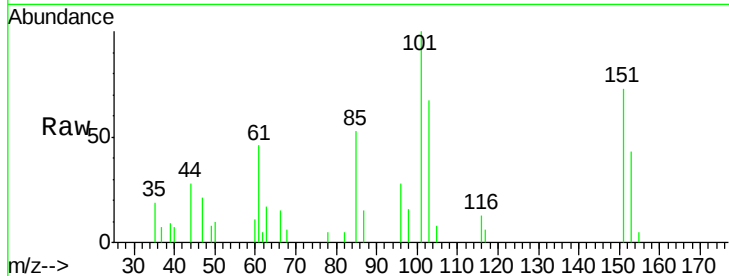
Tot Ion: 96 Resp: 2467

Ion Ratio Lower Upper

96 100

61 165.6 139.1 208.7

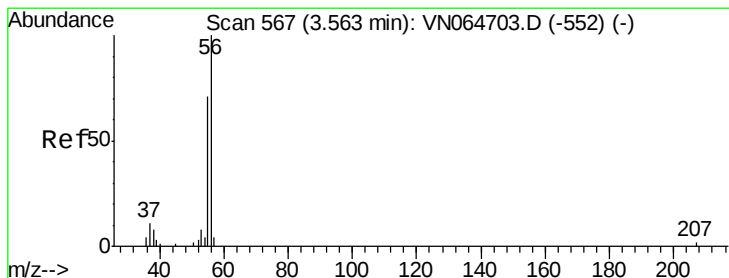
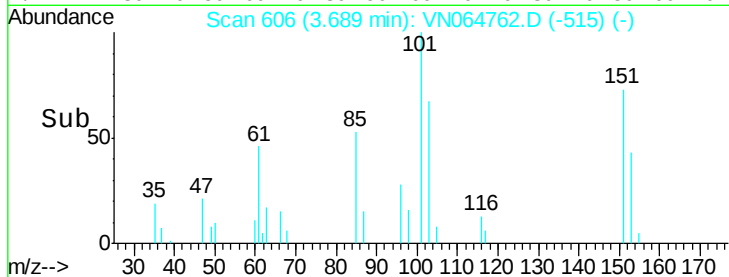
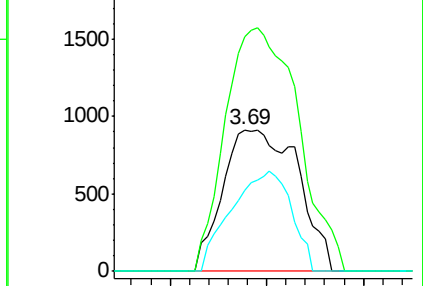
98 57.5 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VN064703.D (-589) (-)

Ion 60.90 (60.60 to 61.60): VN064703.D (-589) (-)

Ion 97.90 (97.60 to 98.60): VN064703.D (-589) (-)



#13

Acrolein

Concen: 0.655 ug/l

RT: 3.46 min Scan# 534

Delta R.T. -0.11 min

Lab File: VN064762.D

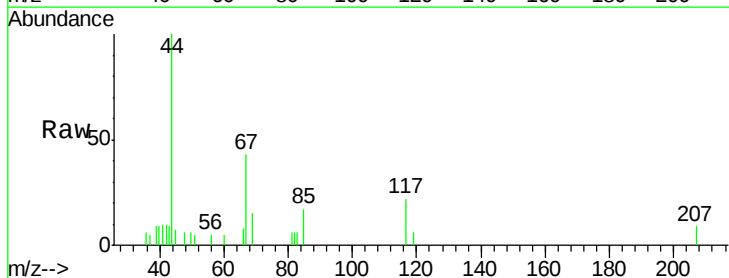
Acq: 20 Nov 2020 5:55

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

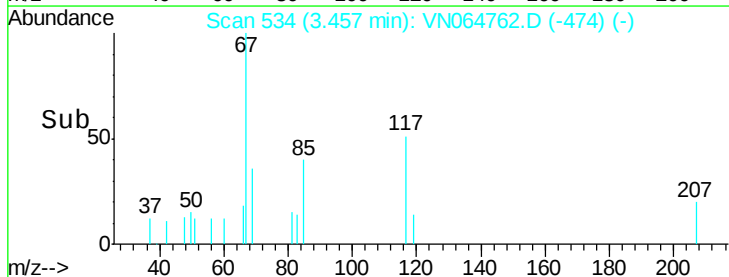
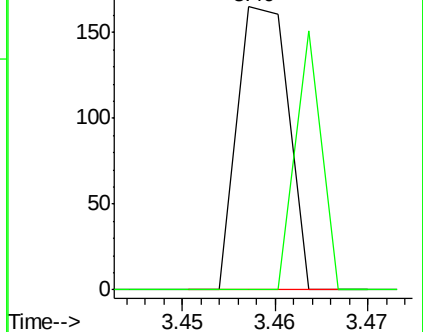
56 100

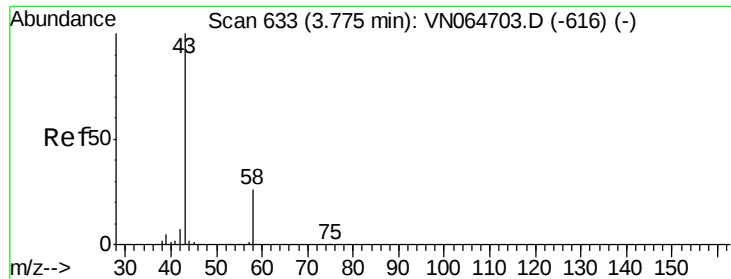
55 46.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN064703.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN064703.D (-552) (-)





#16

Acetone

Concen: 5.596 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

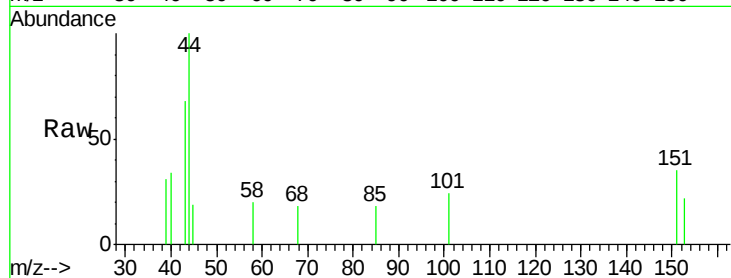
08BR-20201118

Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

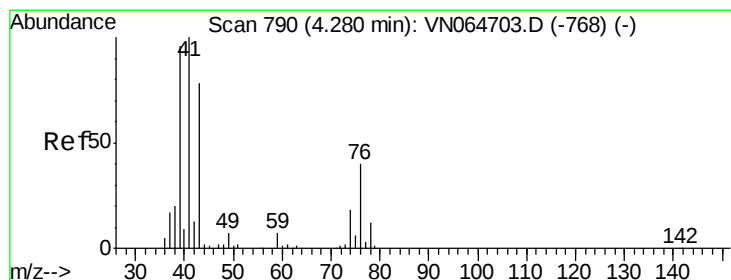
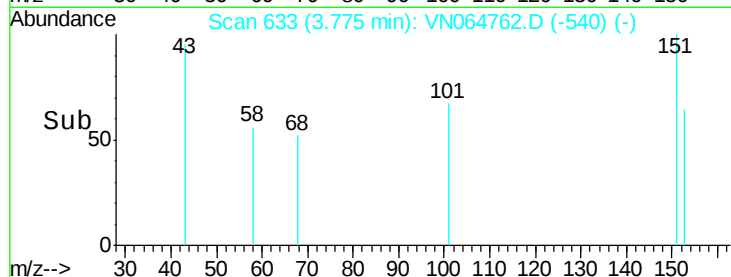
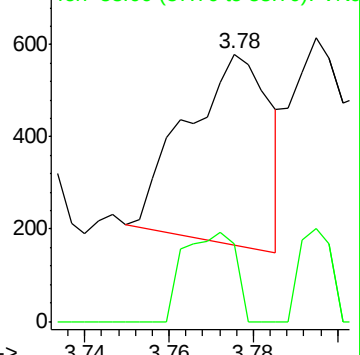
43 100

58 45.1 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.481 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064762.D

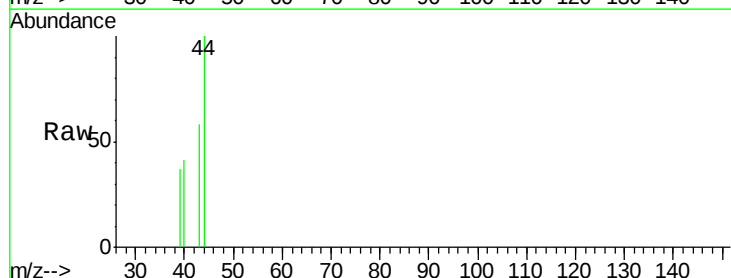
Acq: 20 Nov 2020 5:55

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

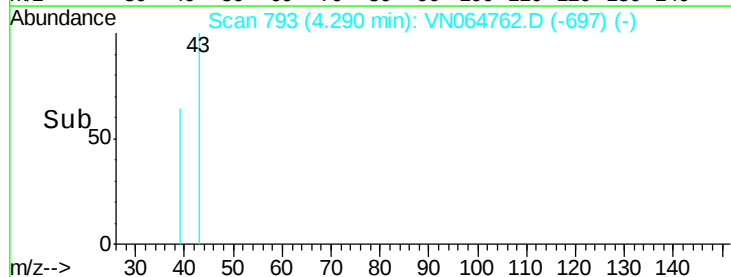
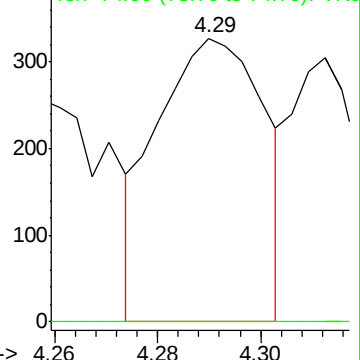
43 100

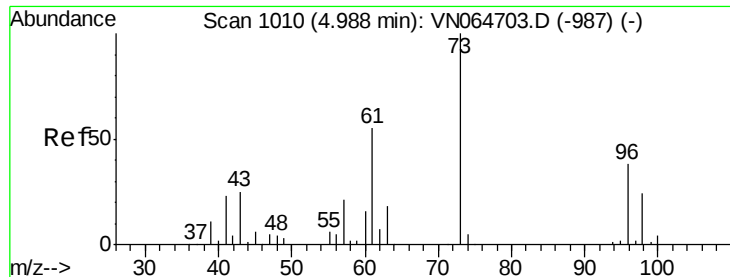
74 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#21

trans-1,2-Dichloroethene

Concen: 0.448 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

08BR-20201118

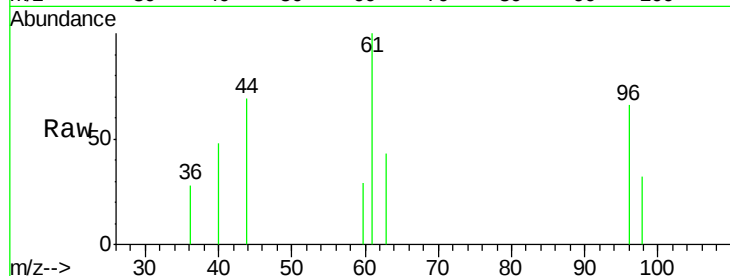
Tot Ion: 96 Resp: 1293

Ion Ratio Lower Upper

96 100

61 150.5 117.9 176.9

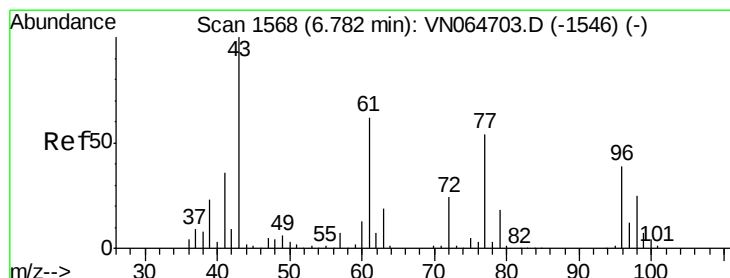
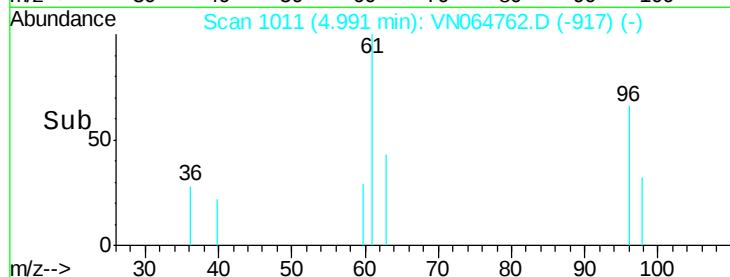
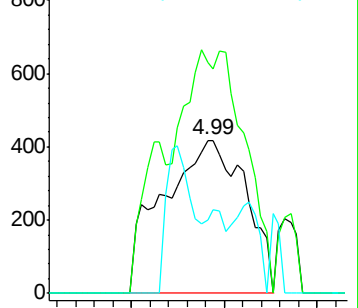
98 47.8 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 26.555 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

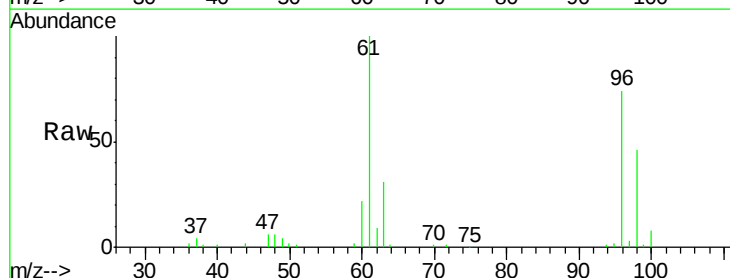
Tgt Ion: 96 Resp: 84526

Ion Ratio Lower Upper

96 100

61 141.3 0.0 322.6

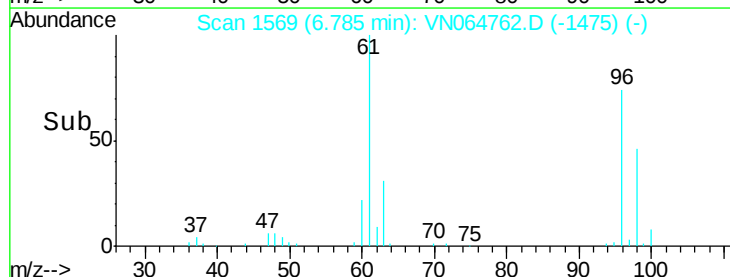
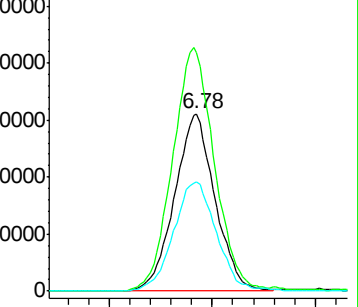
98 65.3 0.0 128.6

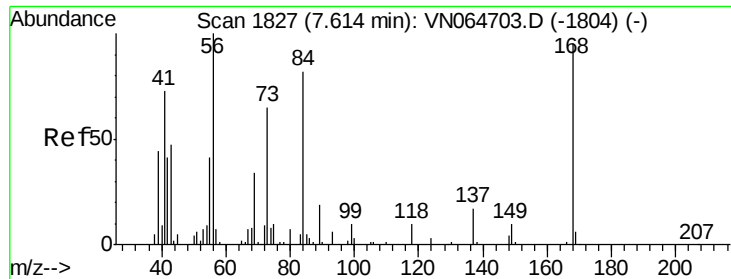


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

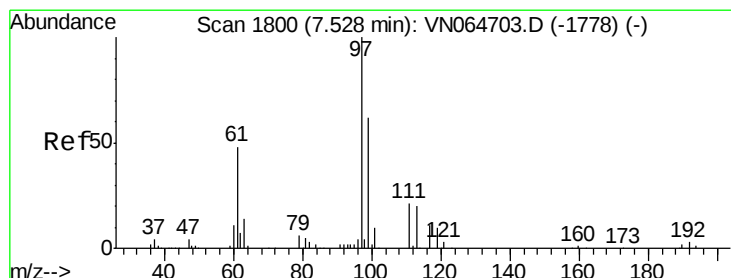
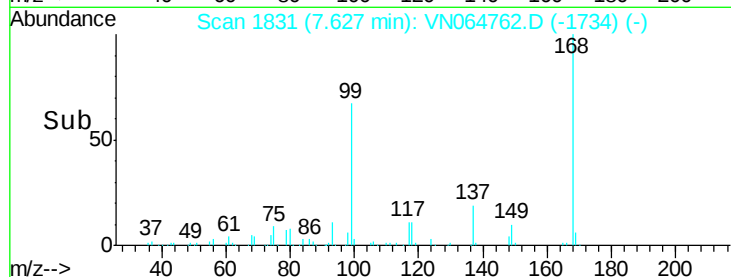
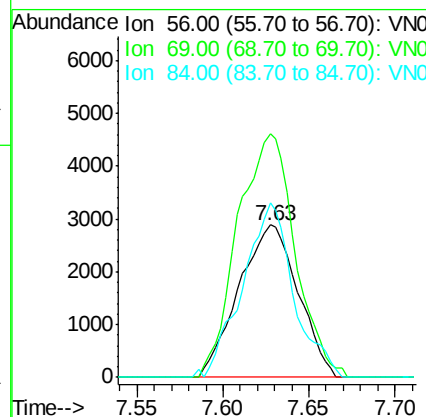
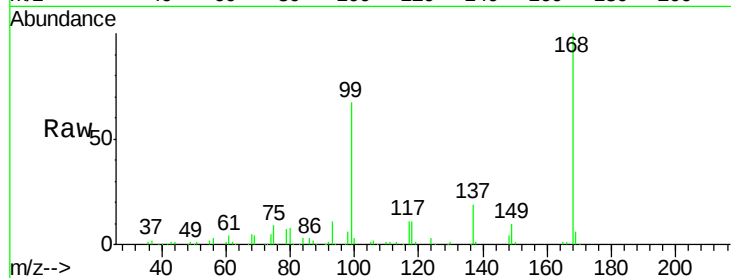




#31
Cvclohexane
Concen: 1.512 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

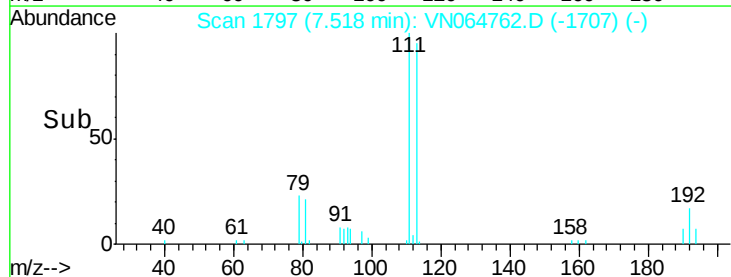
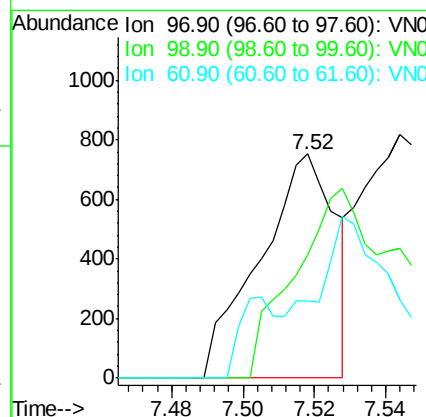
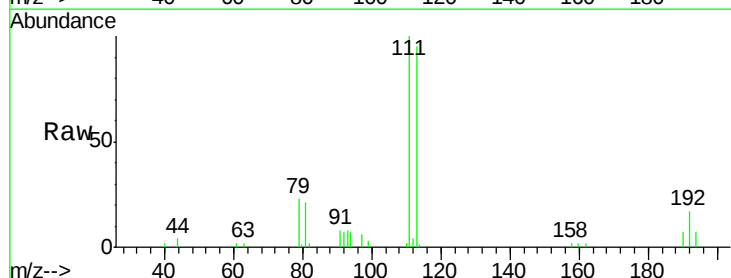
Instrument :
MSVOA_N
ClientSampleId :
08BR-20201118

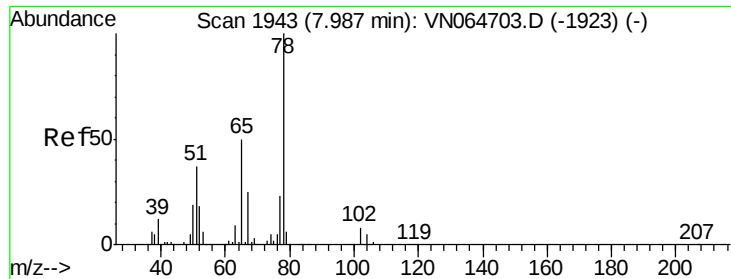
Tot Ion: 56 Resp: 6922
Ion Ratio Lower Upper
56 100
69 159.9 27.2 40.8#
84 114.3 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.201 ug/l
RT: 7.52 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 97 Resp: 1100
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 78.5 38.3 57.5#

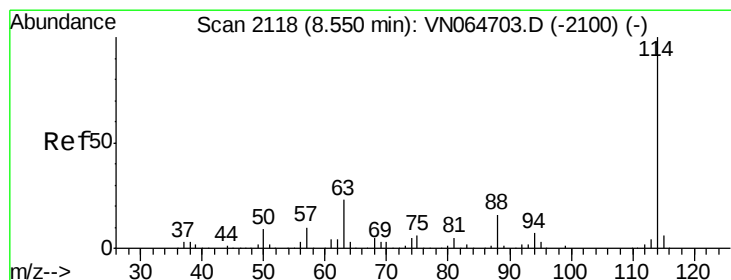
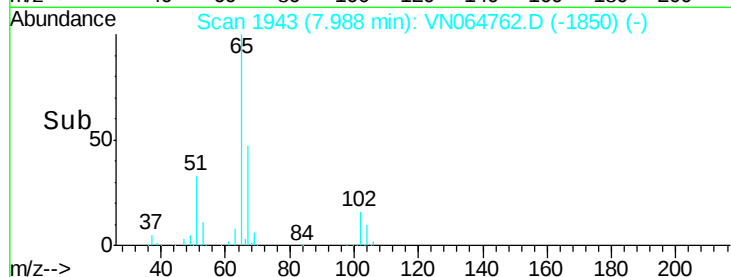
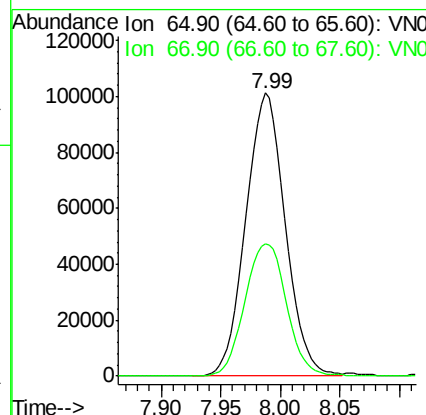
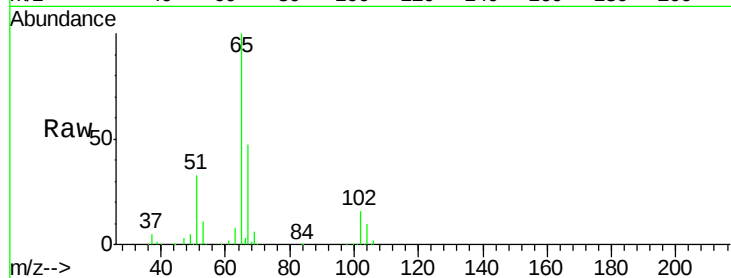




#33
 1,2-Dichloroethane-d4
 Concen: 54.937 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

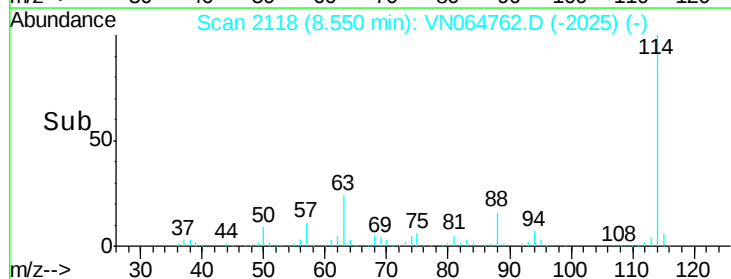
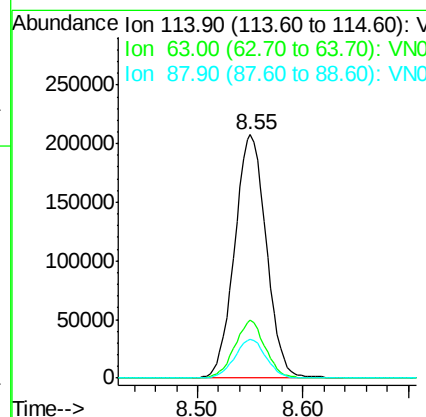
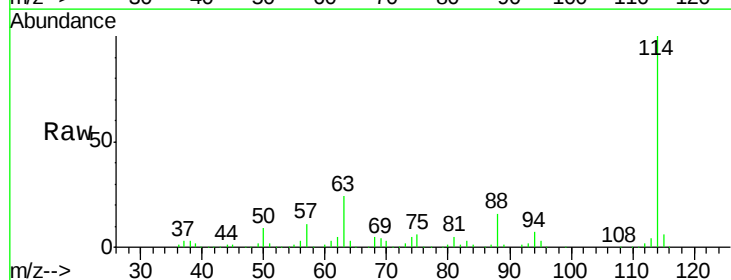
Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20201118

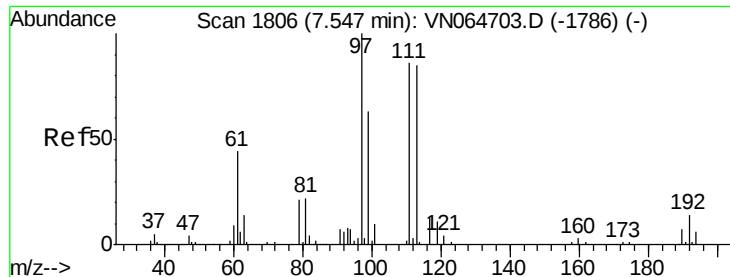
Tot Ion: 65 Resp: 232595
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

Tgt Ion: 114 Resp: 431728
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 15.8 0.0 31.2

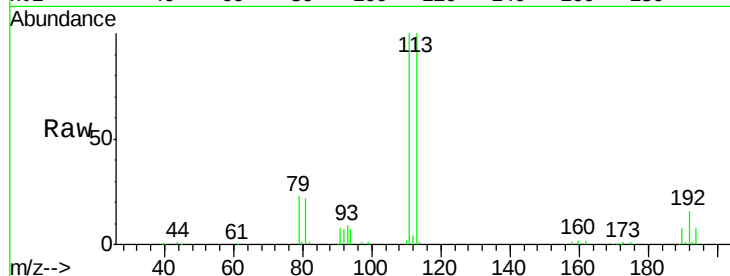




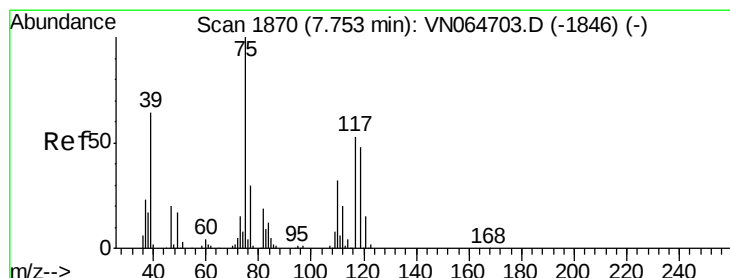
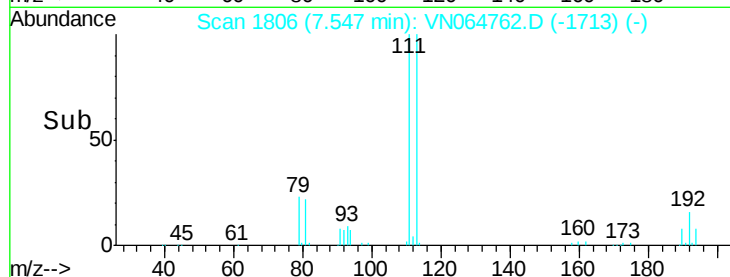
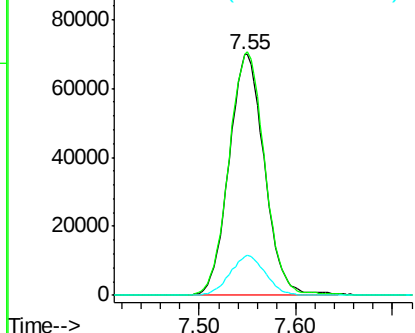
#35
 Dibromofluoromethane
 Concen: 72.305 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20201118

Tot Ion:113 Resp: 177673
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.4
 192 16.5 12.7 19.1

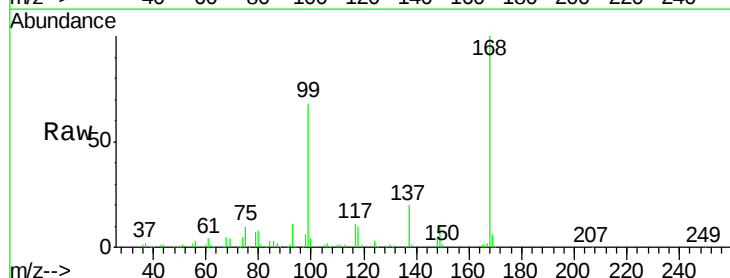


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

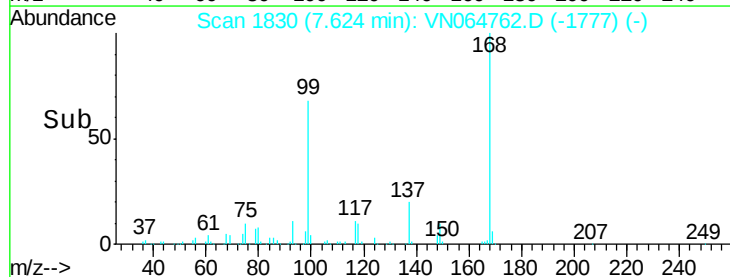
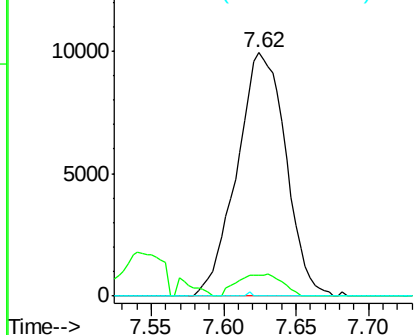


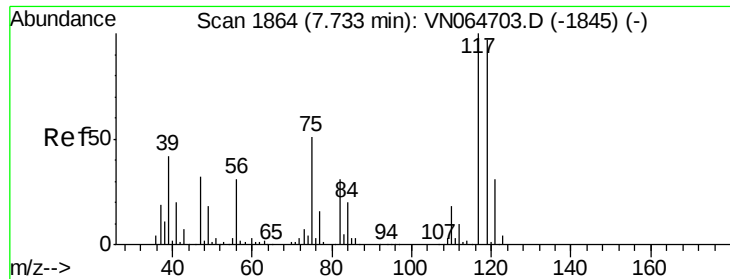
#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

Tgt Ion: 75 Resp: 23291
 Ion Ratio Lower Upper
 75 100
 110 4.4 16.2 48.6#
 77 0.1 24.4 36.6#



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

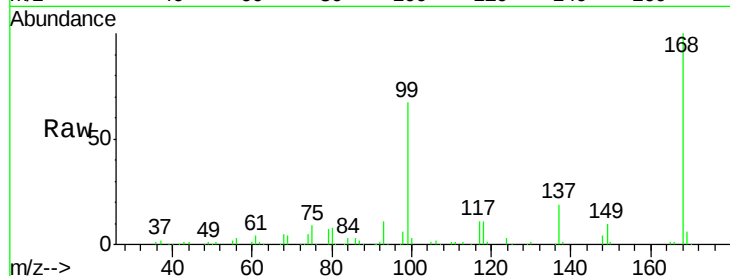




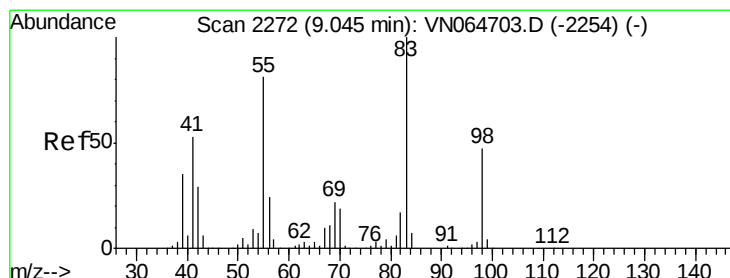
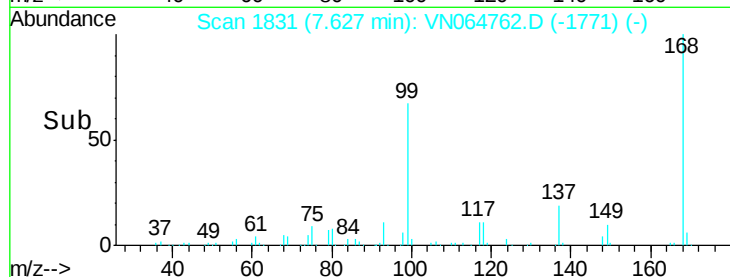
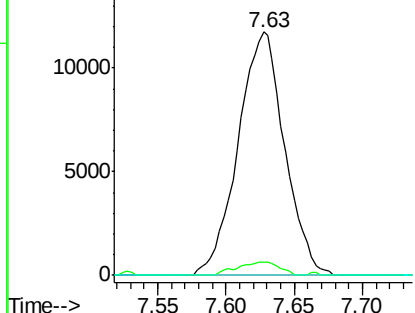
#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Instrument :
MSVOA_N
ClientSampleId :
08BR-20201118

Tot Ion:117 Resp: 27753
Ion Ratio Lower Upper
117 100
119 5.6 77.8 116.6#
121 0.0 24.9 37.3#

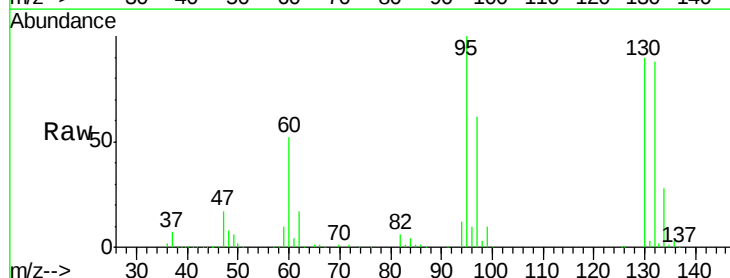


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

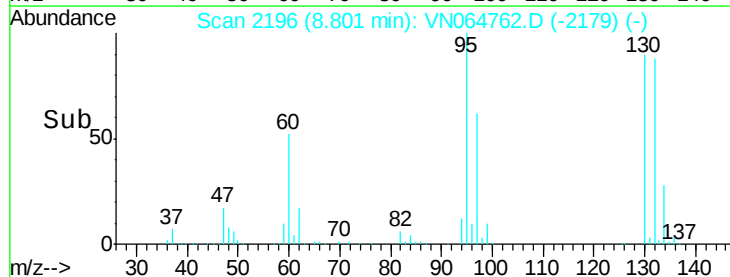
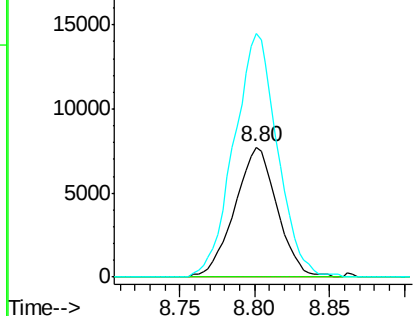


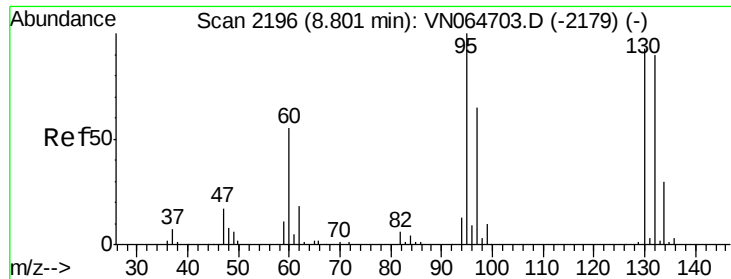
#39
Methylcyclohexane
Concen: 3.876 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 83 Resp: 15256
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 187.7 37.7 56.5#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V

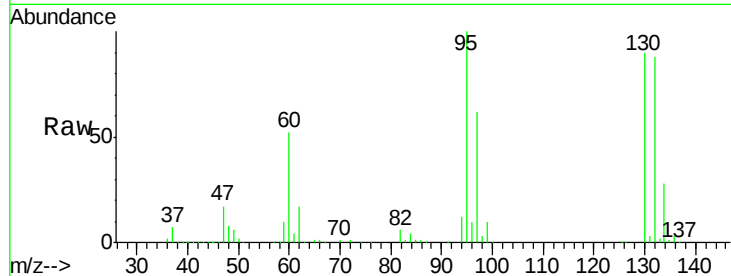




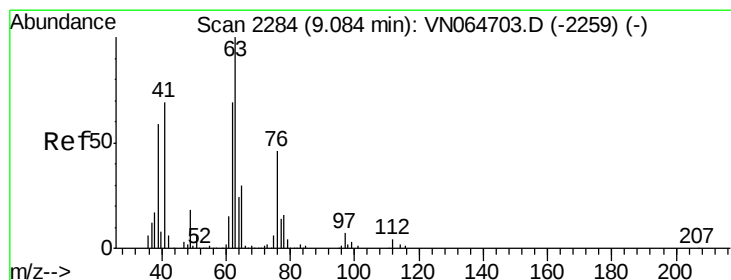
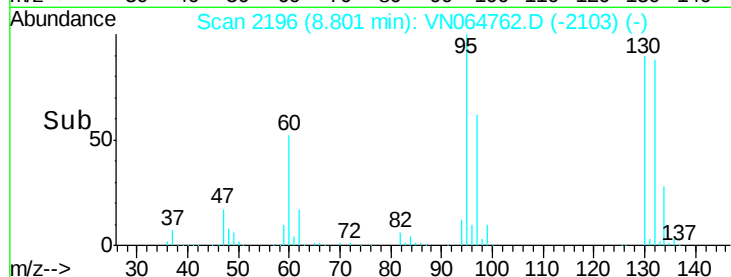
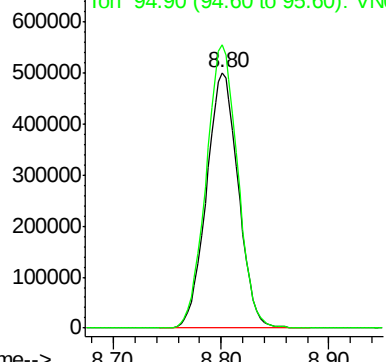
#44
 Trichloroethene
 Concen: 289.447 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20201118

Tot Ion:130 Resp: 1028027
 Ion Ratio Lower Upper
 130 100
 95 110.7 0.0 214.2

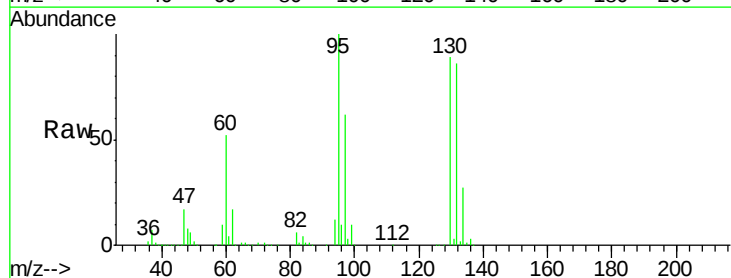


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

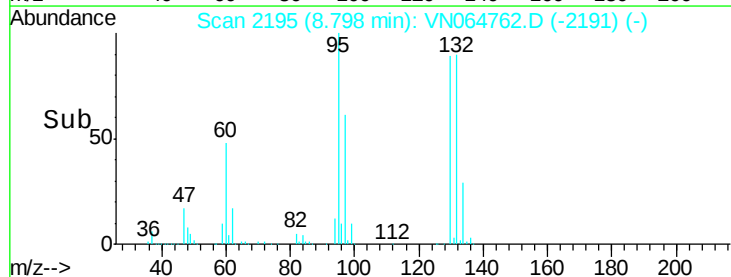
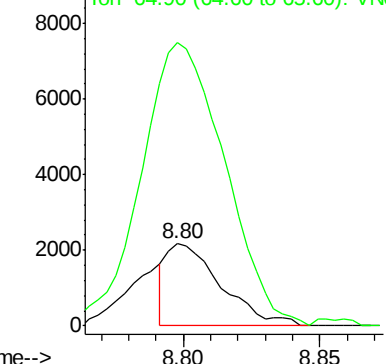


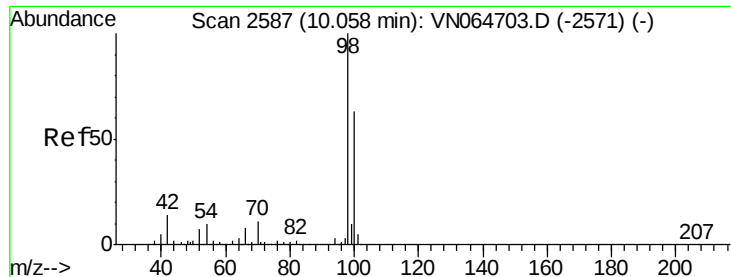
#45
 1,2-Dichloropropane
 Concen: 0.907 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.29 min
 Lab File: VN064762.D
 Acq: 20 Nov 2020 5:55

Tgt Ion: 63 Resp: 2992
 Ion Ratio Lower Upper
 63 100
 65 344.1 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0





#50

Toluene-d8

Concen: 56.422 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

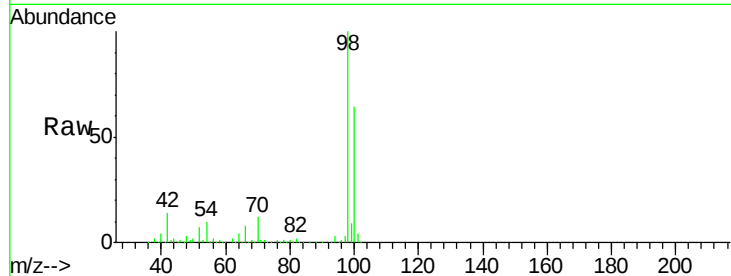
08BR-20201118

Tot Ion: 98 Resp: 630122

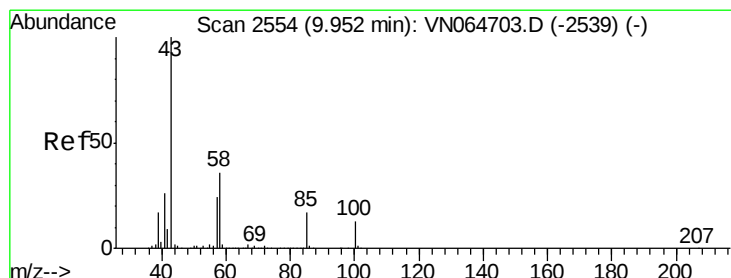
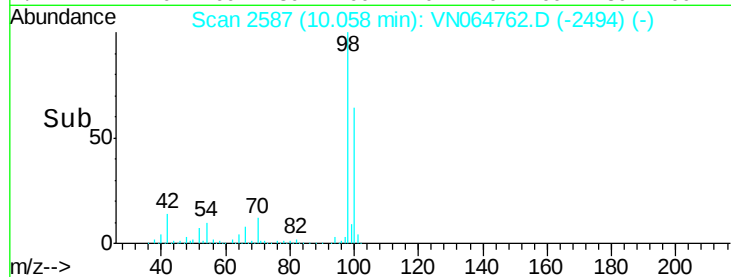
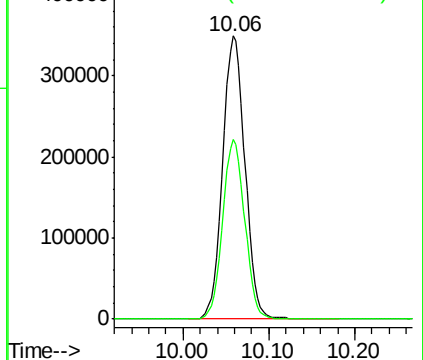
Ion Ratio Lower Upper

98 100

100 63.0 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064703.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 6.174 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064762.D

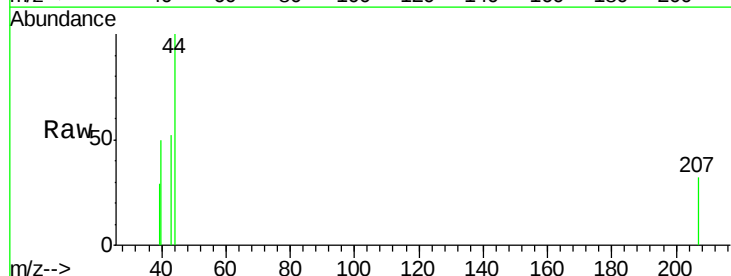
Acq: 20 Nov 2020 5:55

Tgt Ion: 43 Resp: 198

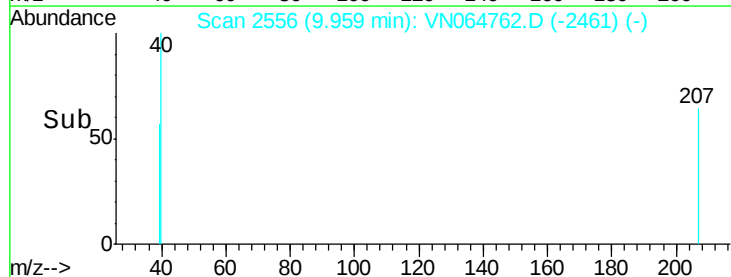
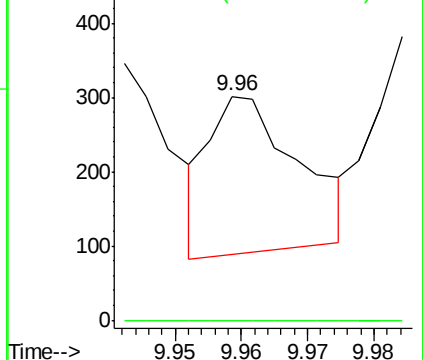
Ion Ratio Lower Upper

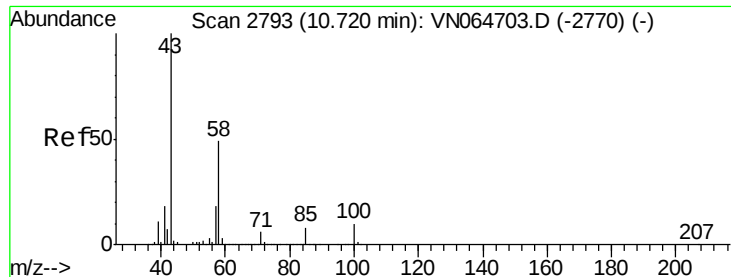
43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-2539) (-)

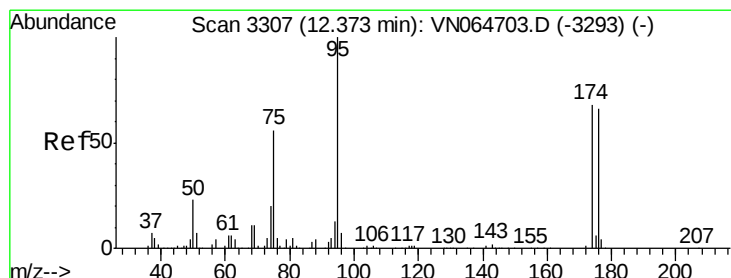
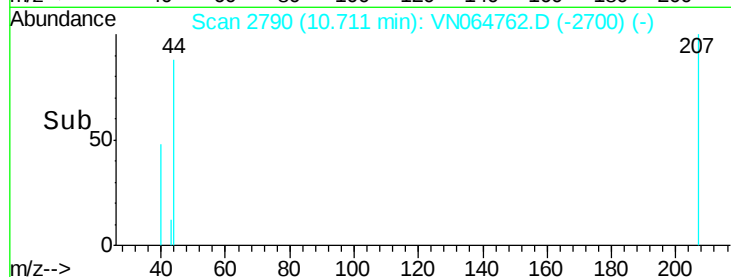
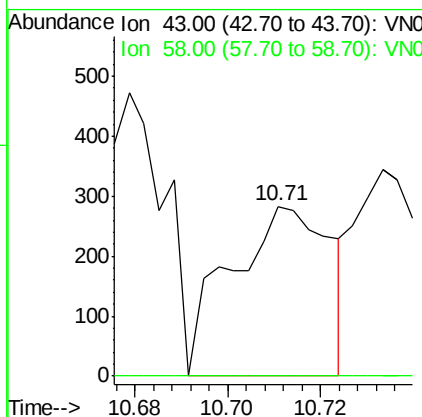
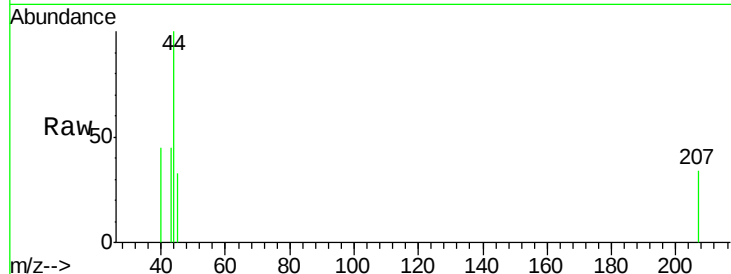




#59
2-Hexanone
Concen: 8.567 ug/l
RT: 10.71 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

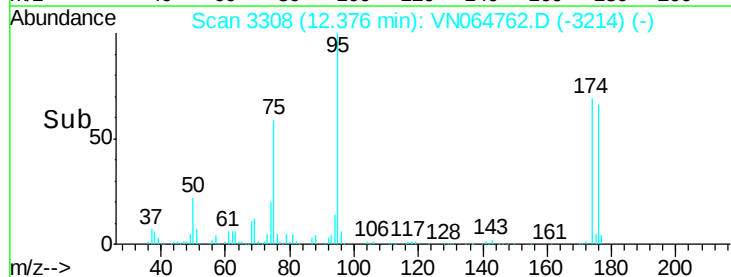
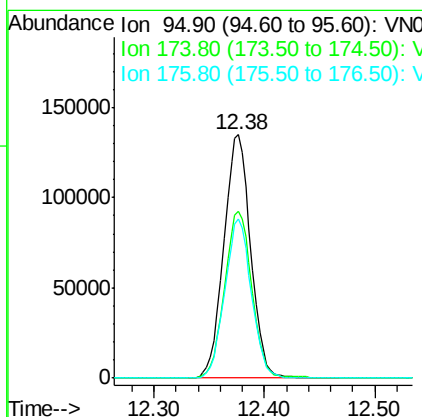
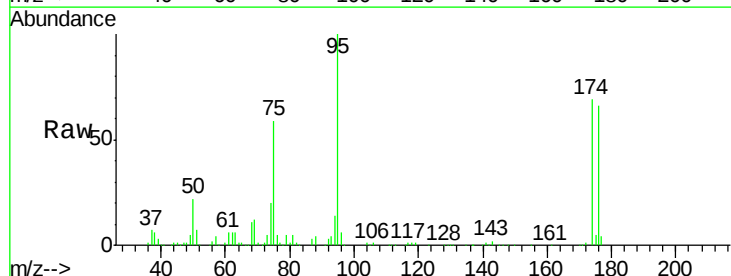
Instrument :
MSVOA_N
ClientSampleId :
08BR-20201118

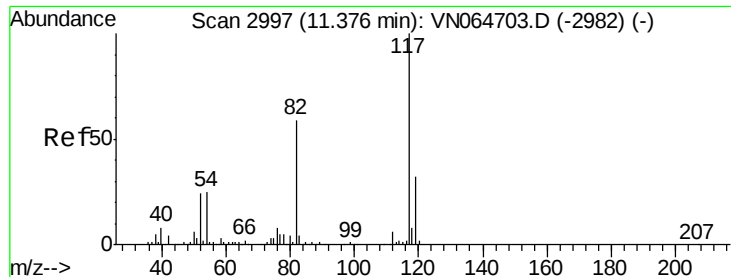
Tot Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 54.404 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 95 Resp: 227100
Ion Ratio Lower Upper
95 100
174 69.4 0.0 136.8
176 65.0 0.0 134.2

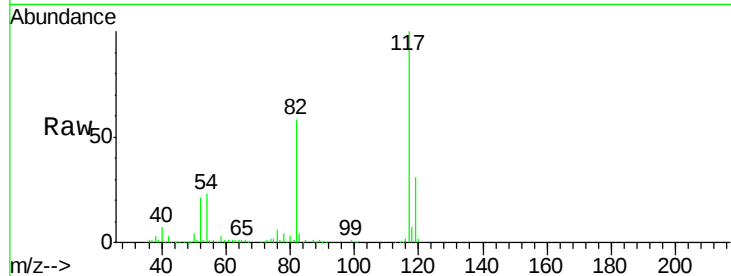




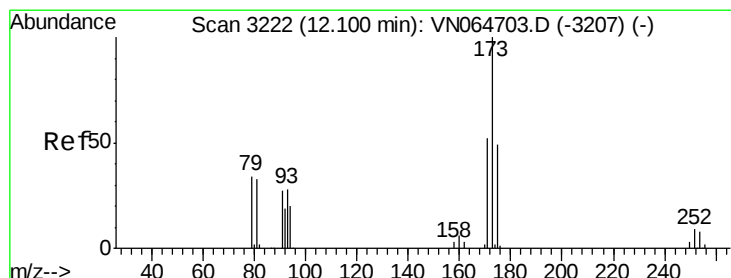
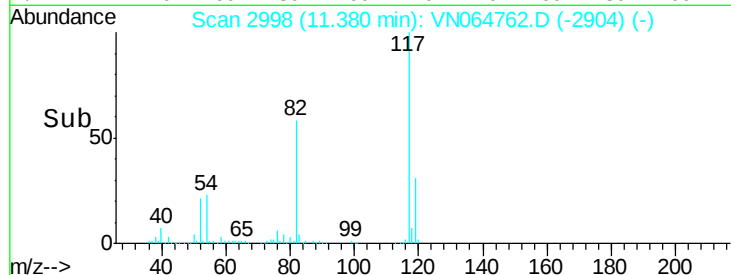
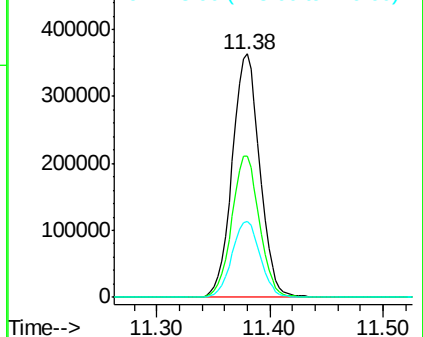
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Instrument :
MSVOA_N
ClientSampleId :
08BR-20201118

Tot Ion:117 Resp: 617268
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.6
119 30.9 25.4 38.2

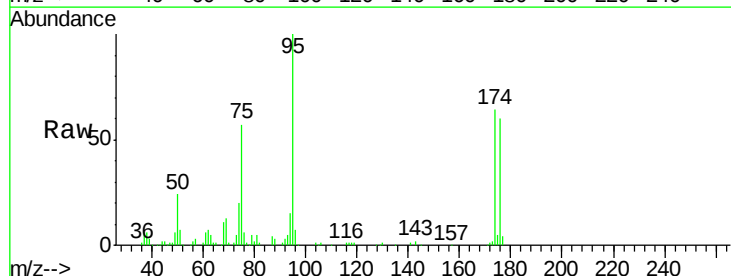


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

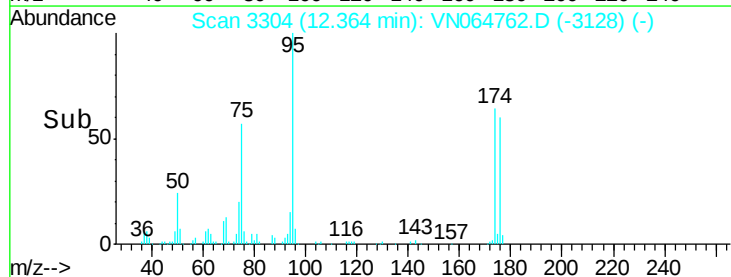
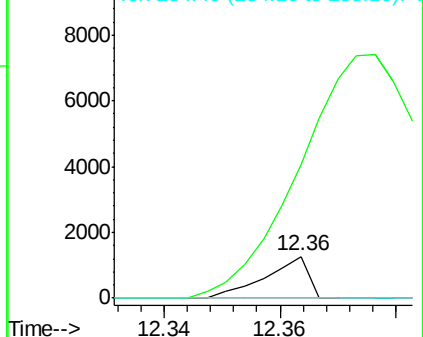


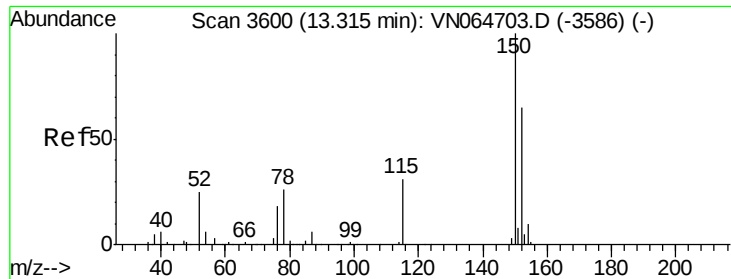
#71
Bromoform
Concen: 2.609 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion:173 Resp: 650
Ion Ratio Lower Upper
173 100
175 1596.0 24.3 72.9#
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

08BR-20201118

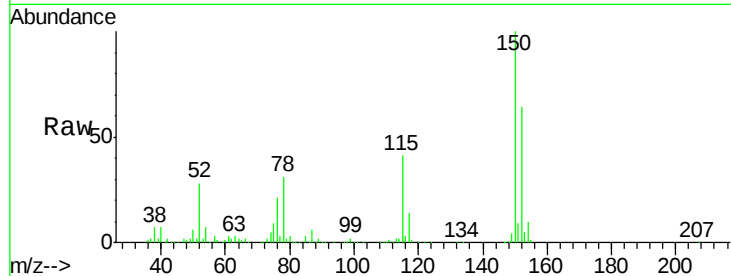
Tot Ion:152 Resp: 196836

Ion Ratio Lower Upper

152 100

115 64.4 32.1 96.3

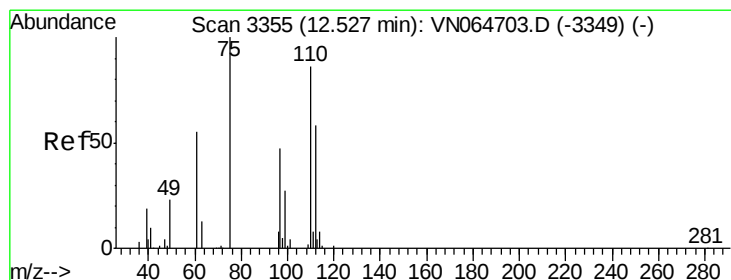
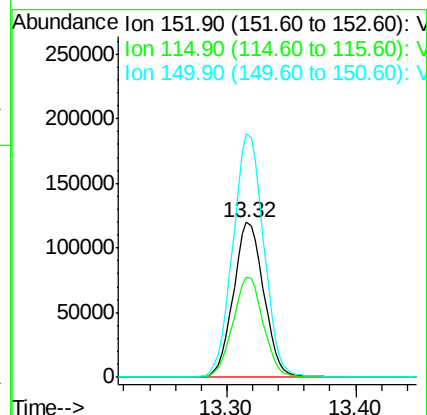
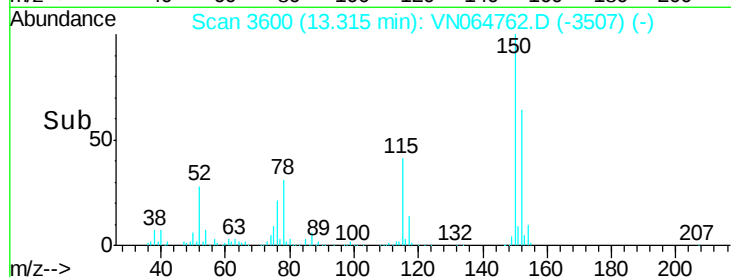
150 159.2 0.0 344.8



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: 30.475 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064762.D

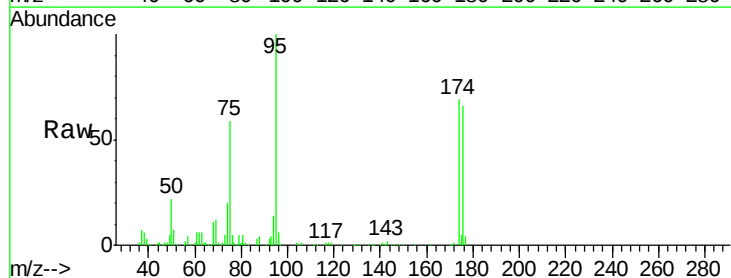
Acq: 20 Nov 2020 5:55

Tgt Ion: 75 Resp: 129248

Ion Ratio Lower Upper

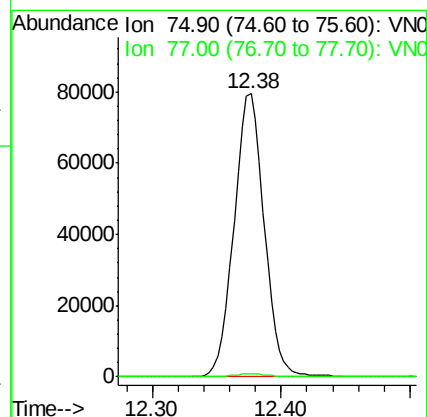
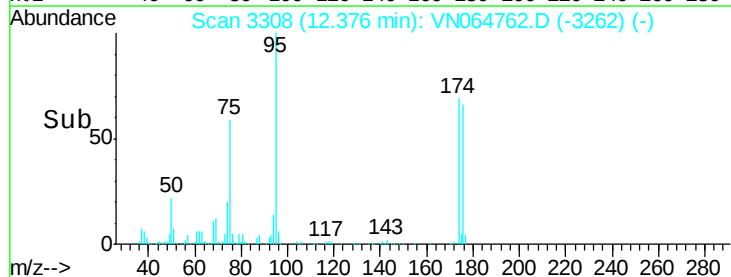
75 100

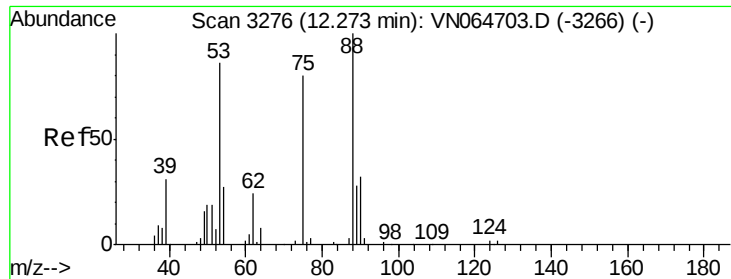
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.662 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064762.D

Acq: 20 Nov 2020 5:55

Instrument :

MSVOA_N

ClientSampleId :

08BR-20201118

Tot Ion: 75 Resp: 129248

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

89 0.0 43.1 64.7#

