

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064836.D
 Acq On : 25 Nov 2020 2:18
 Operator : JC/MD
 Sample : L4798-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118

Quant Time: Nov 25 05:59:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	162671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	285118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	95974	50.75	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.50%
35) Dibromofluoromethane	7.55	113	90785	54.64	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.28%
50) Toluene-d8	10.06	98	346257	51.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.00%
62) 4-Bromofluorobenzene	12.37	95	131969	54.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.64%

Target Compounds

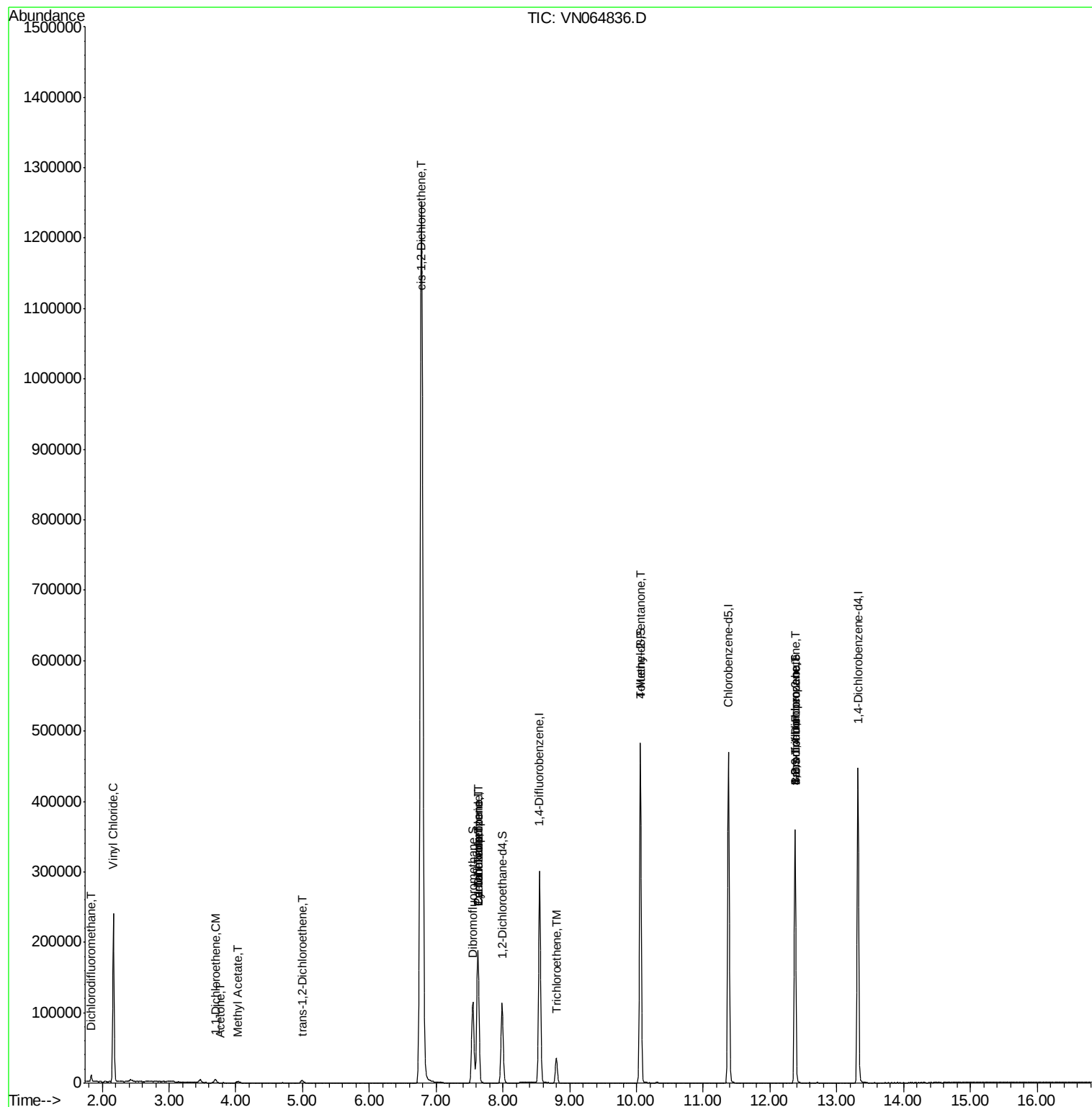
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	6728	4.772	ug/l	93
4) Vinyl Chloride	2.17	62	215284	112.710	ug/l	99
12) 1,1-Dichloroethene	3.69	96	2984	1.892	ug/l	96
16) Acetone	3.77	43	427	0.687	ug/l #	43
18) Methyl Acetate	4.03	43	888	0.475	ug/l #	50
21) trans-1,2-Dichloroethene	4.99	96	2614	1.492	ug/l #	76
27) cis-1,2-Dichloroethene	6.78	96	880396	446.643	ug/l	89
31) Cyclohexane	7.62	56	2822	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11382	4.422	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14852	5.546	ug/l #	17
44) Trichloroethene	8.80	130	14454	6.211	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1403	0.586	ug/l #	1
71) Bromoform	12.37	173	924	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62185	22.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62185	62.245	ug/l #	15

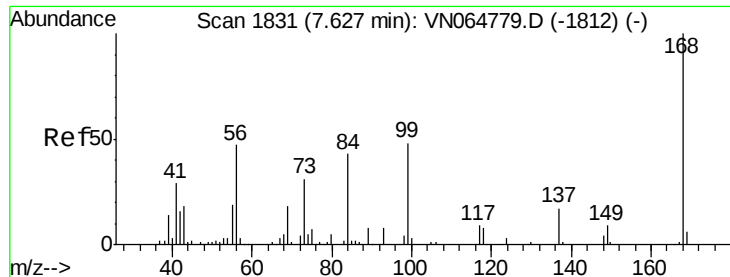
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064836.D
Acq On : 25 Nov 2020 2:18
Operator : JC/MD
Sample : L4798-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118

Quant Time: Nov 25 05:59:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

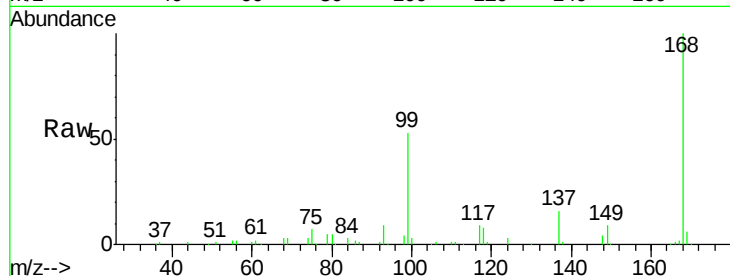
91BR-20201118

Tot Ion:168 Resp: 162671

Ion Ratio Lower Upper

168 100

99 52.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

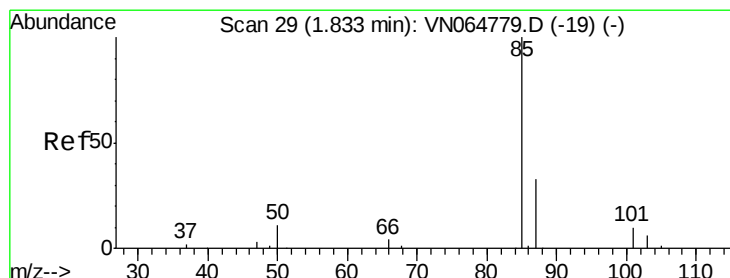
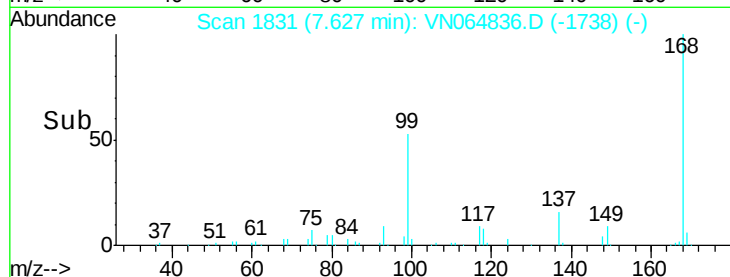
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 4.772 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064836.D

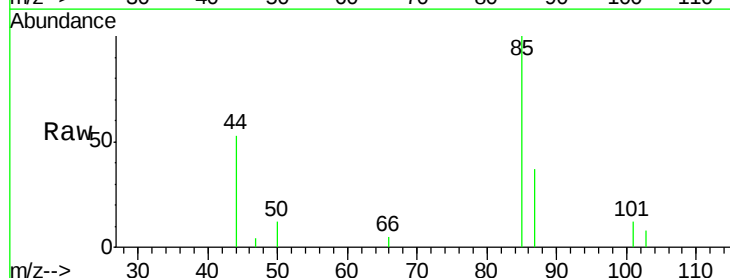
Acq: 25 Nov 2020 2:18

Tgt Ion: 85 Resp: 6728

Ion Ratio Lower Upper

85 100

87 37.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

5000

4000

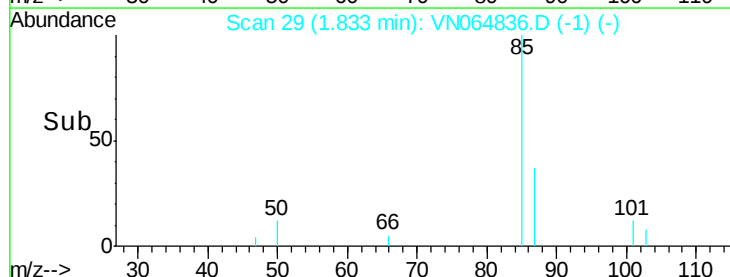
3000

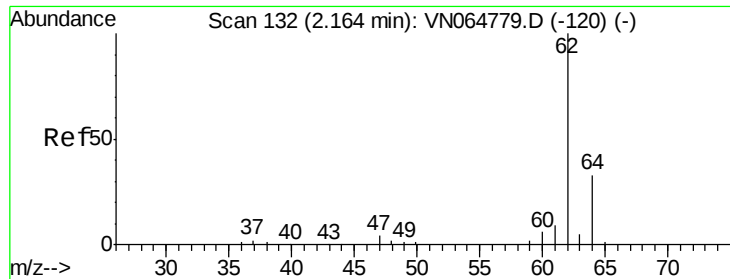
2000

1000

0

Time--> 1.80 1.85





#4

Vinyl Chloride

Concen: 112.710 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampled :

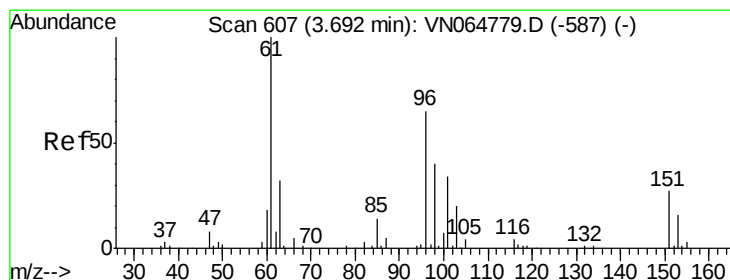
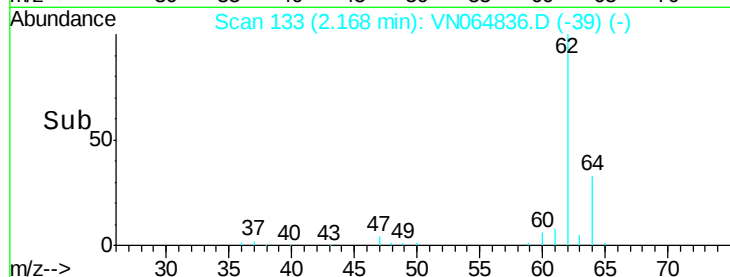
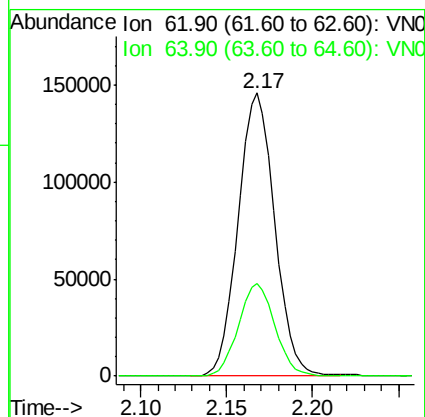
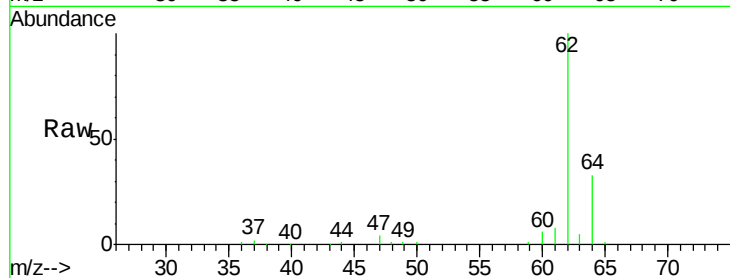
91BR-20201118

Tot Ion: 62 Resp: 215284

Ion Ratio Lower Upper

62 100

64 32.8 26.5 39.7



#12

1,1-Dichloroethene

Concen: 1.892 ug/l

RT: 3.69 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

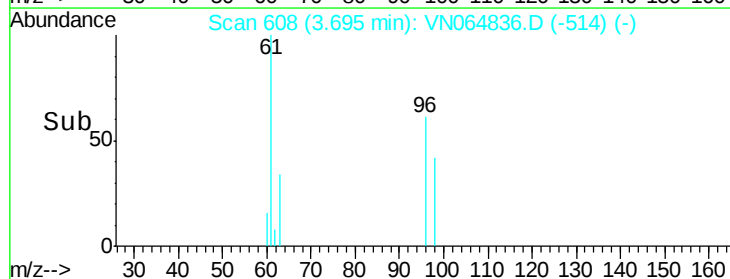
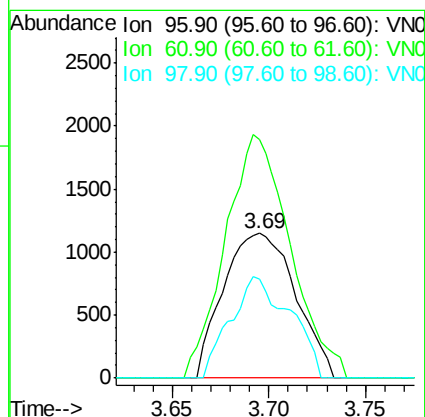
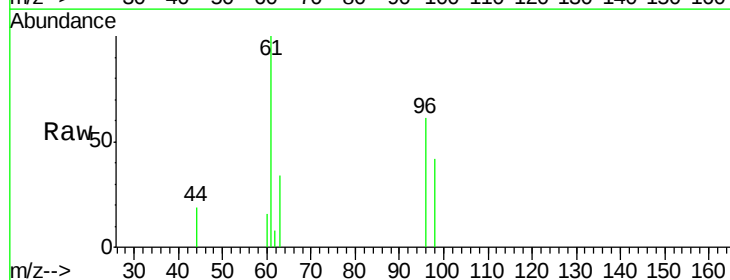
Tgt Ion: 96 Resp: 2984

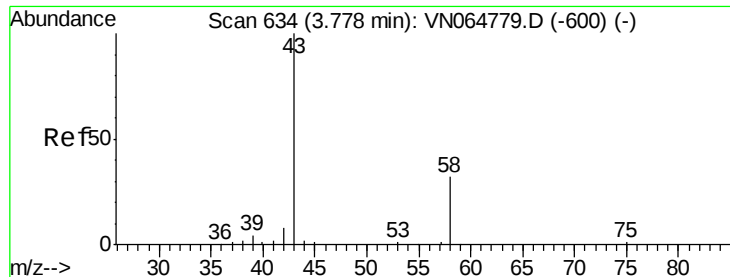
Ion Ratio Lower Upper

96 100

61 150.7 123.4 185.2

98 68.9 49.8 74.8

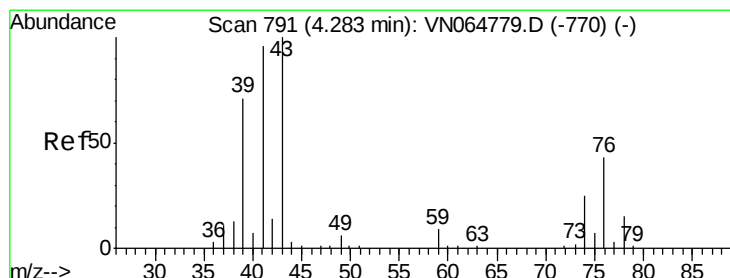
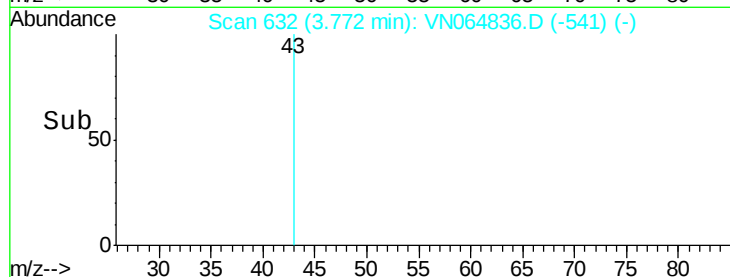
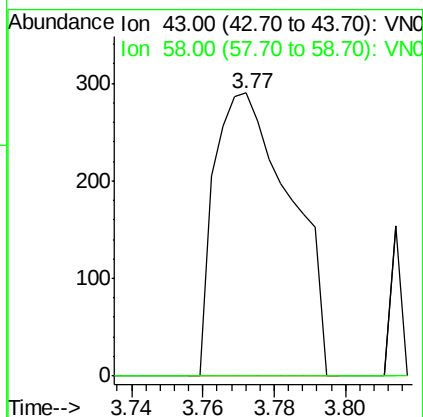
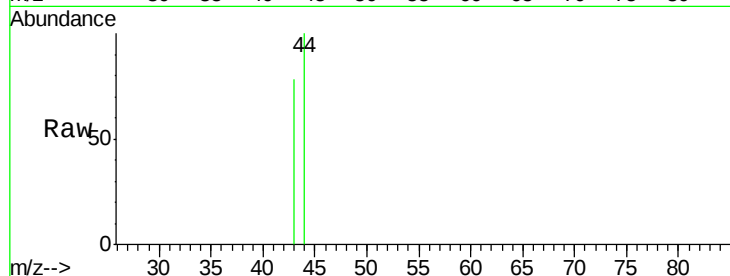




#16
Acetone
Concen: 0.687 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.01 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

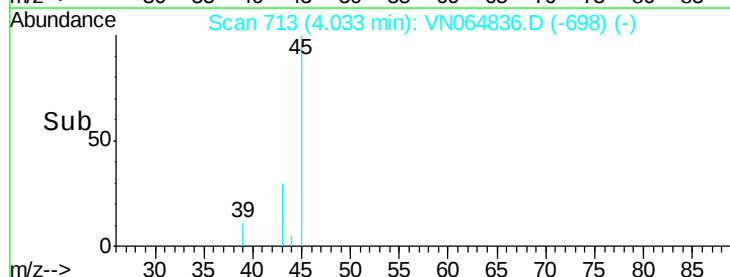
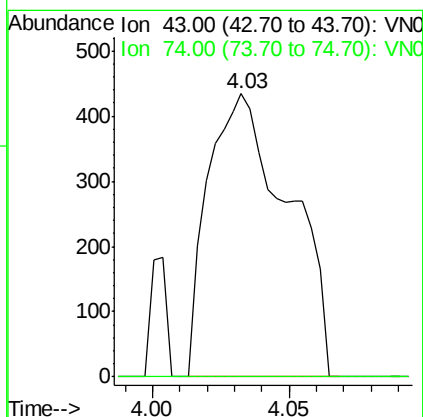
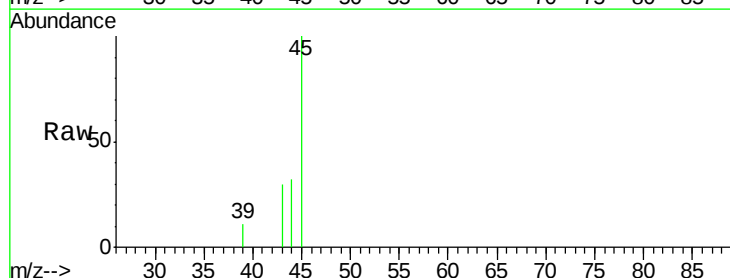
Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118

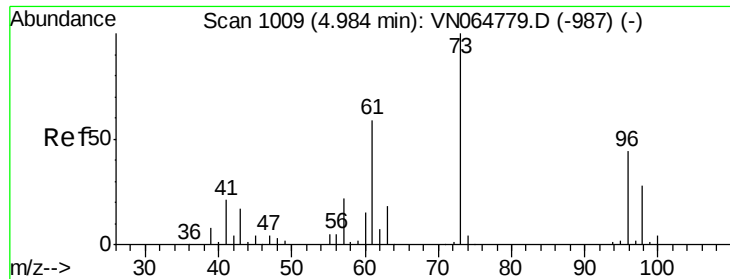
Tot Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 4.03 min Scan# 713
Delta R.T. -0.25 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

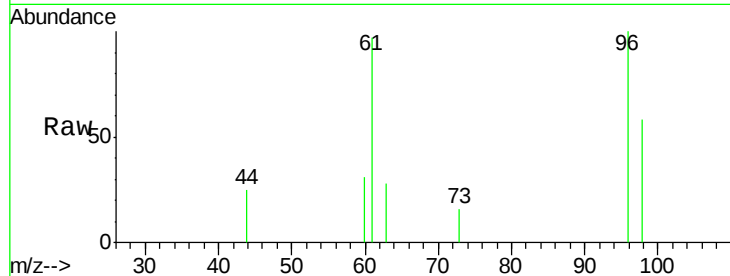




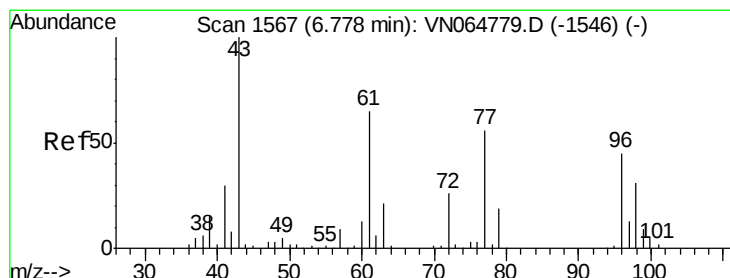
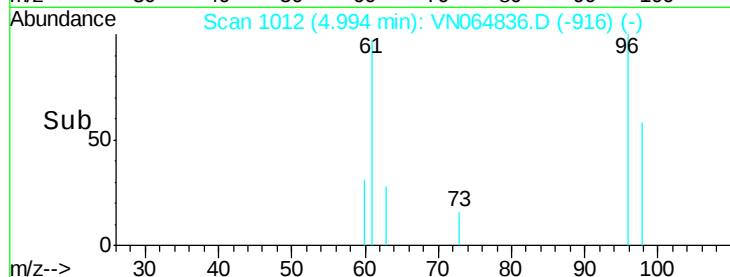
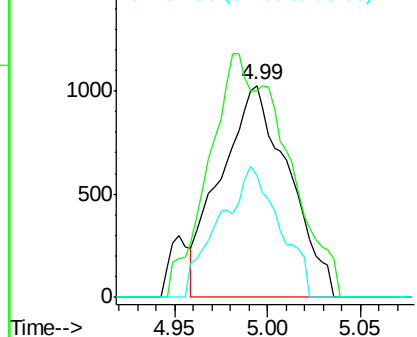
#21
trans-1,2-Dichloroethene
Concen: 1.492 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118

Tot Ion: 96 Resp: 2614
Ion Ratio Lower Upper
96 100
61 97.5 108.4 162.6#
98 57.7 51.3 76.9

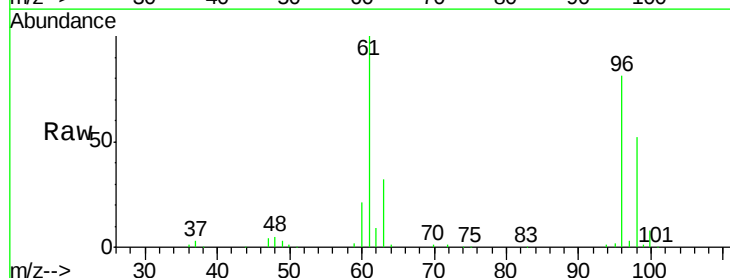


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

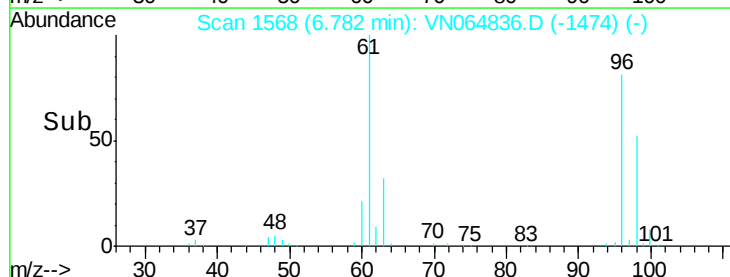
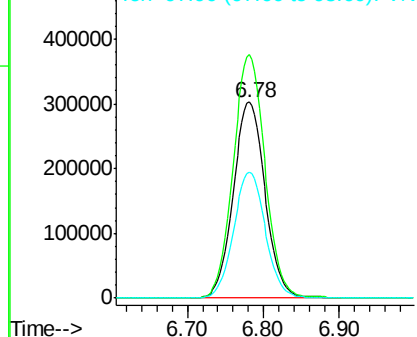


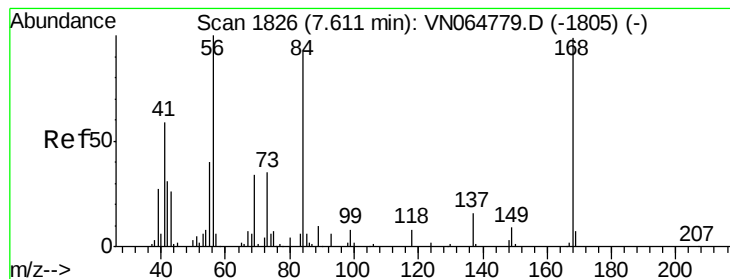
#27
cis-1,2-Dichloroethene
Concen: 446.643 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Tgt Ion: 96 Resp: 880396
Ion Ratio Lower Upper
96 100
61 124.6 0.0 285.8
98 64.3 0.0 130.6



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

Cyclohexane

Concen: 1.071 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

91BR-20201118

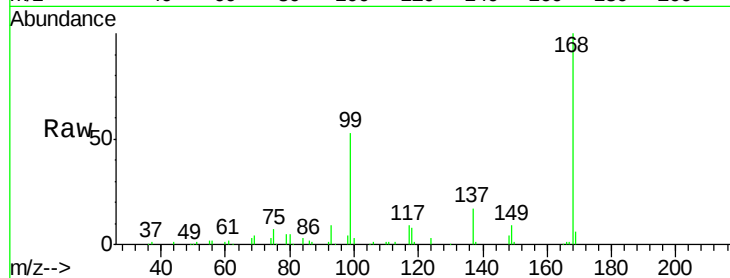
Tot Ion: 56 Resp: 2822

Ion Ratio Lower Upper

56 100

69 209.5 27.5 41.3#

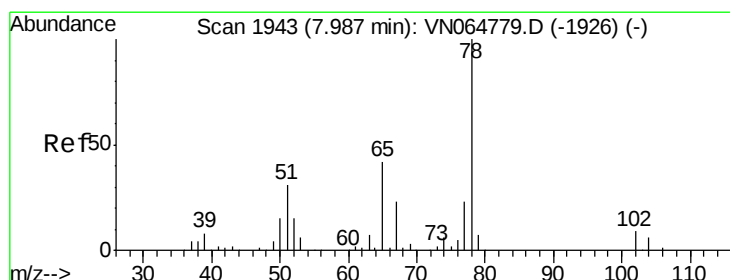
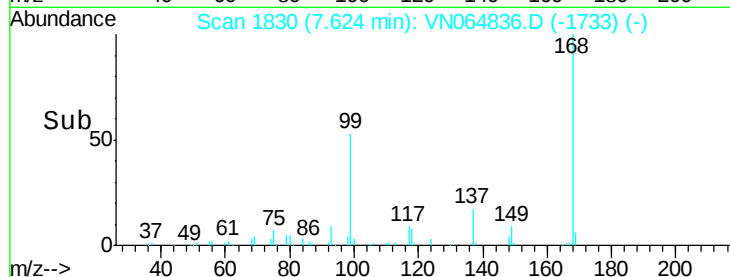
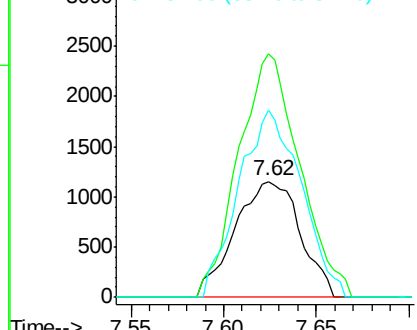
84 161.6 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.749 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064836.D

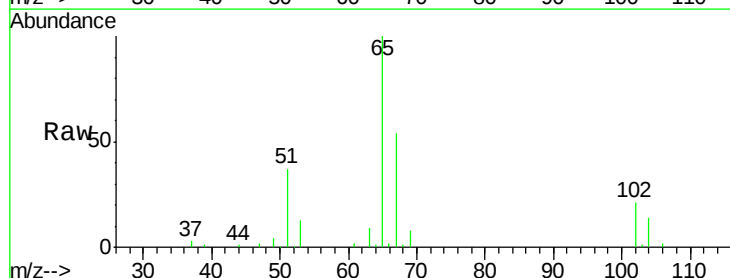
Acq: 25 Nov 2020 2:18

Tgt Ion: 65 Resp: 95974

Ion Ratio Lower Upper

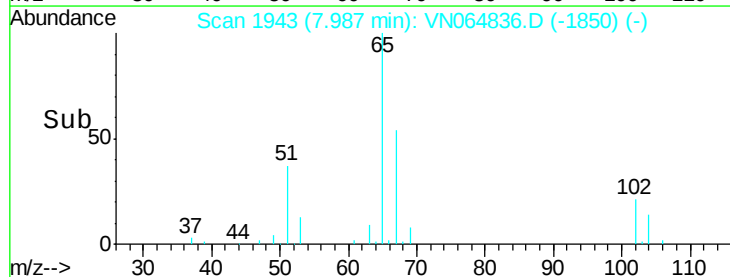
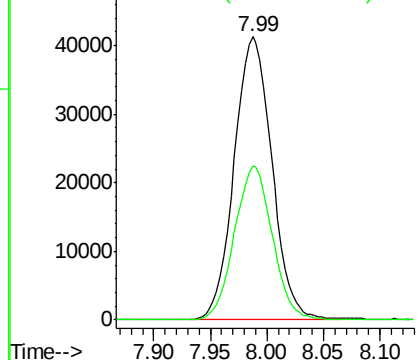
65 100

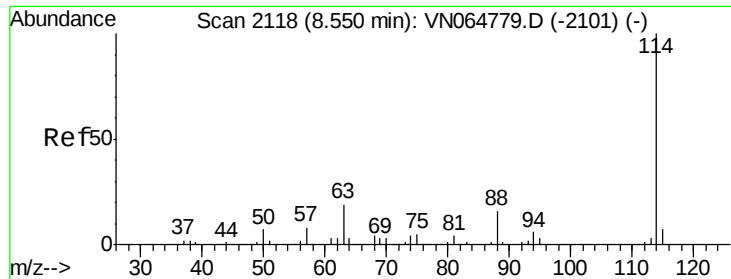
67 54.5 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

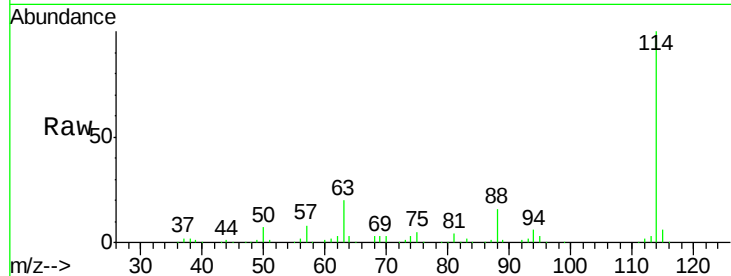




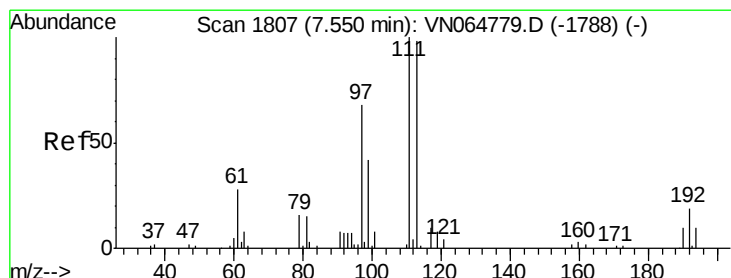
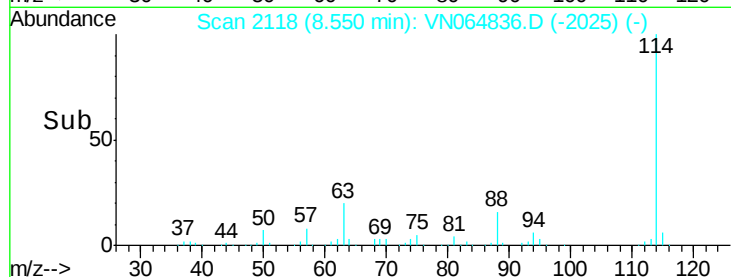
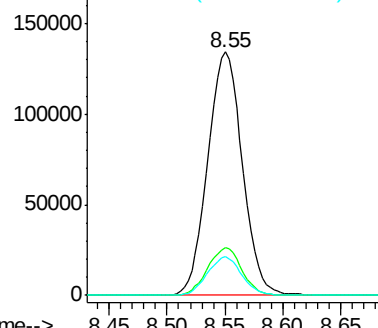
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118

Tot Ion:114 Resp: 277685
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.7 0.0 32.6

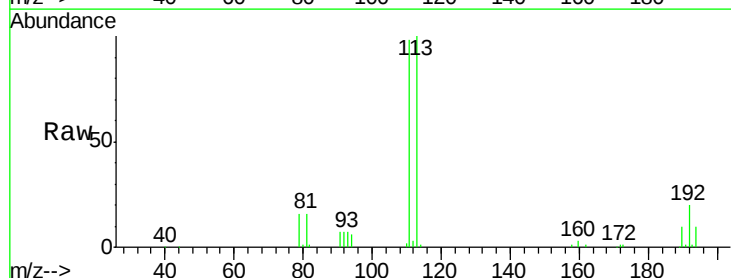


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

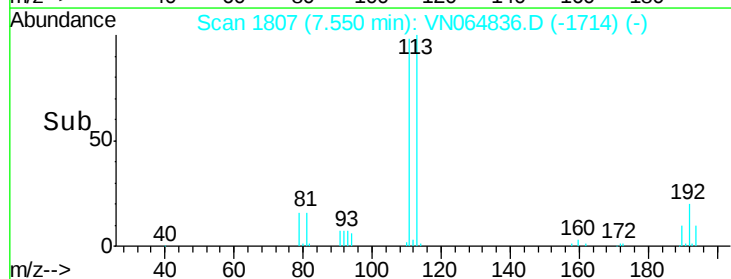
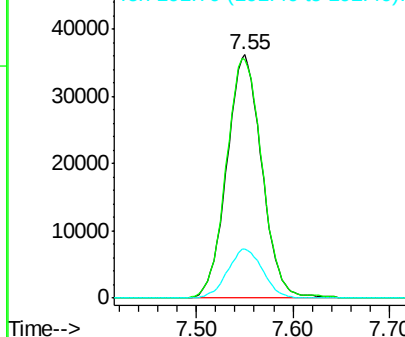


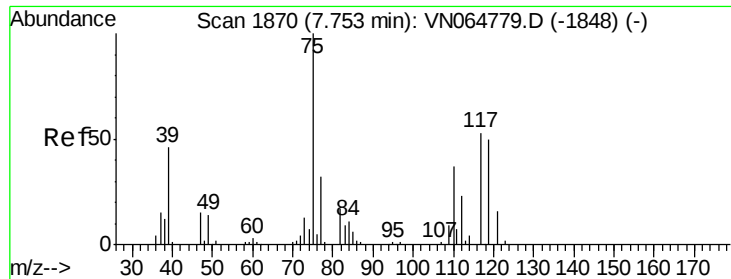
#35
Dibromofluoromethane
Concen: 54.638 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Tgt Ion:113 Resp: 90785
Ion Ratio Lower Upper
113 100
111 100.5 81.6 122.4
192 20.3 16.2 24.2



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

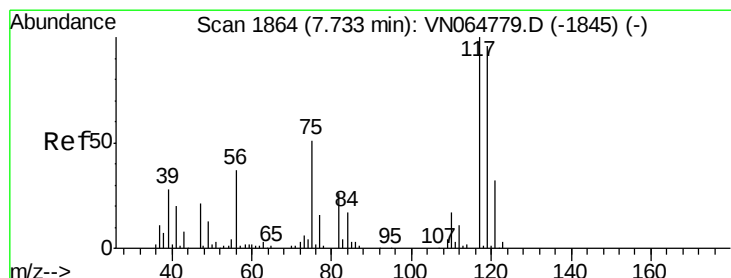
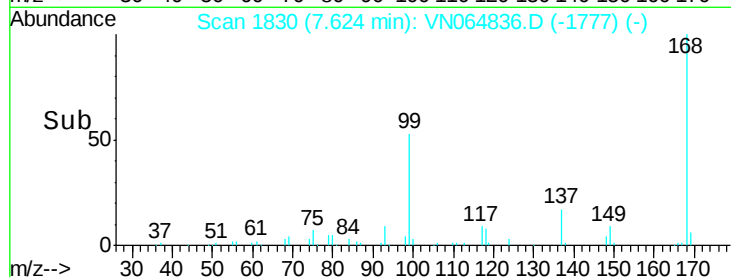
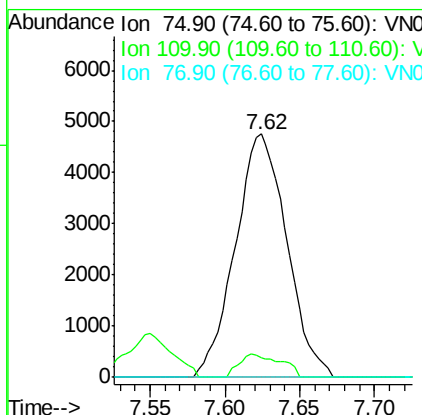
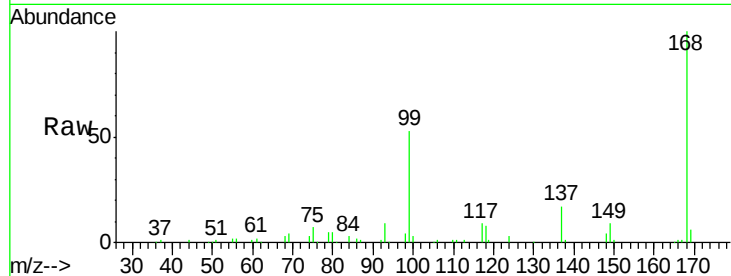




#36
 1,1-Dichloropropene
 Concen: 4.422 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064836.D
 Acq: 25 Nov 2020 2:18

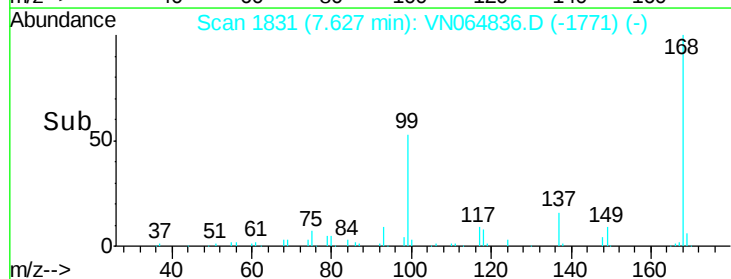
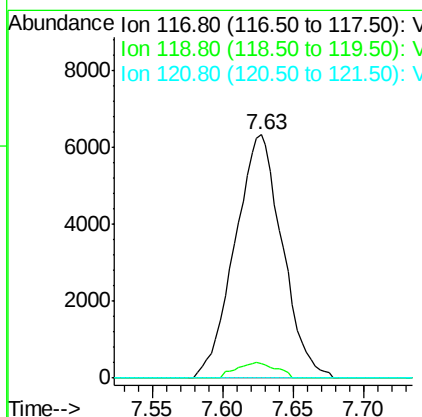
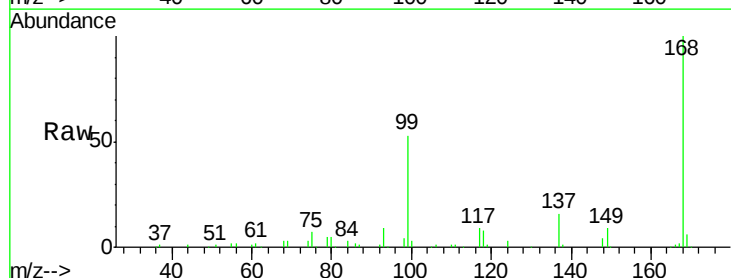
Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118

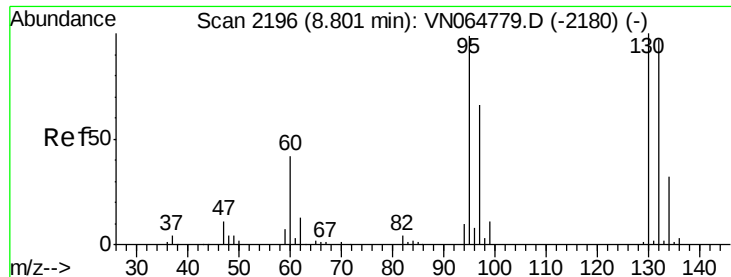
Tot Ion: 75 Resp: 11382
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.546 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064836.D
 Acq: 25 Nov 2020 2:18

Tgt Ion: 117 Resp: 14852
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.7 115.1#
 121 0.0 25.4 38.2#





#44

Trichloroethene

Concen: 6.211 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

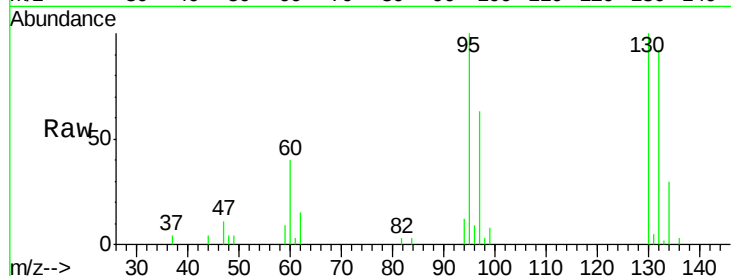
91BR-20201118

Tot Ion:130 Resp: 14454

Ion Ratio Lower Upper

130 100

95 99.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)

8.80

6000

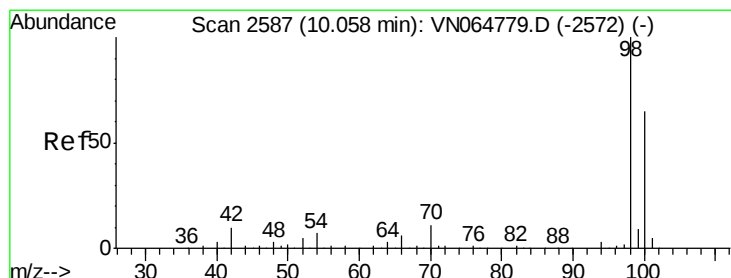
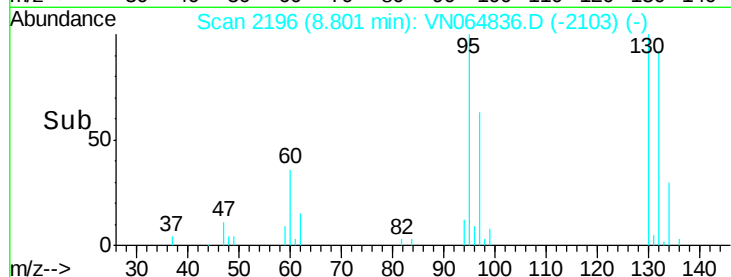
4000

2000

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 51.002 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064836.D

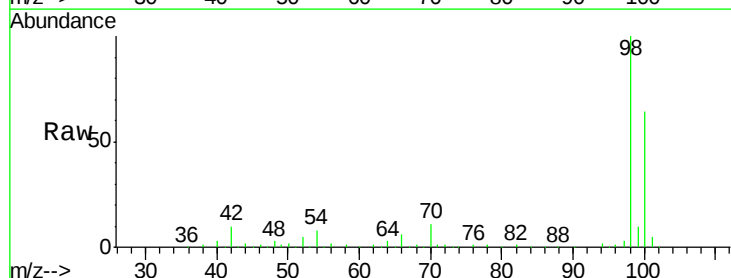
Acq: 25 Nov 2020 2:18

Tgt Ion: 98 Resp: 346257

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

150000

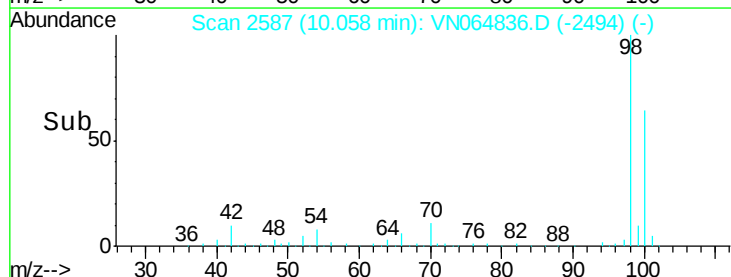
100000

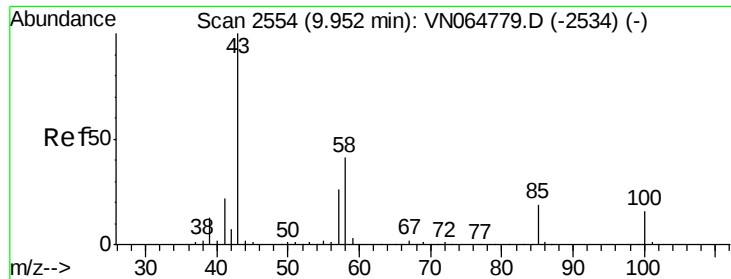
50000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.586 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

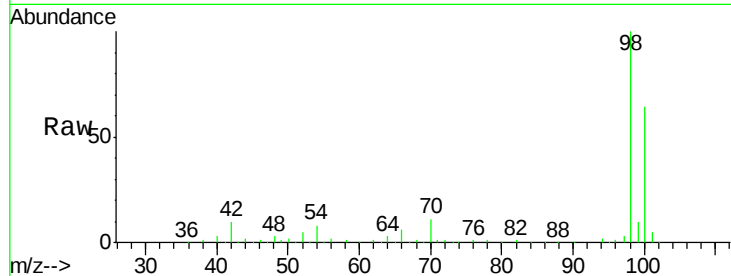
91BR-20201118

Tot Ion: 43 Resp: 1403

Ion Ratio Lower Upper

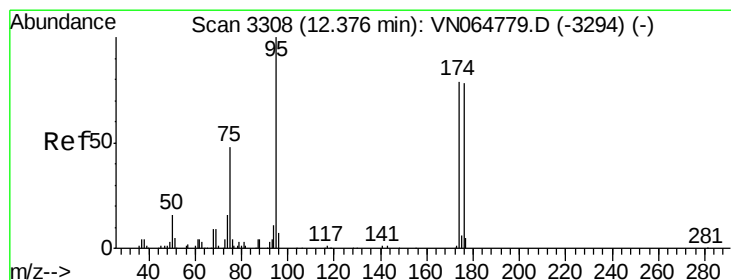
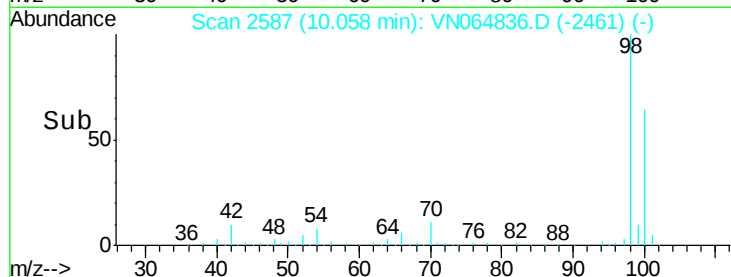
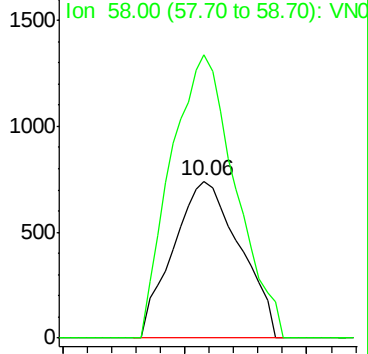
43 100

58 174.8 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)



#62

4-Bromofluorobenzene

Concen: 54.315 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

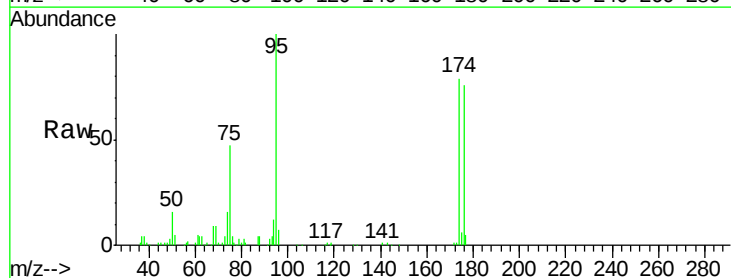
Tgt Ion: 95 Resp: 131969

Ion Ratio Lower Upper

95 100

174 81.7 0.0 160.4

176 77.8 0.0 158.4

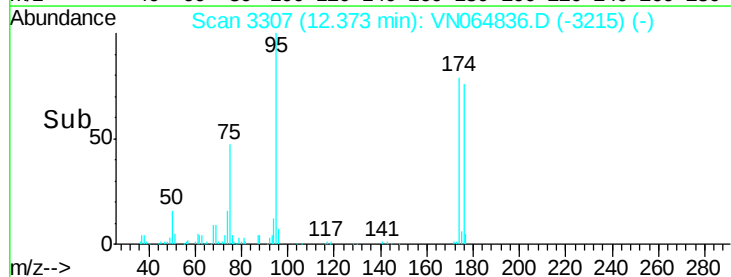
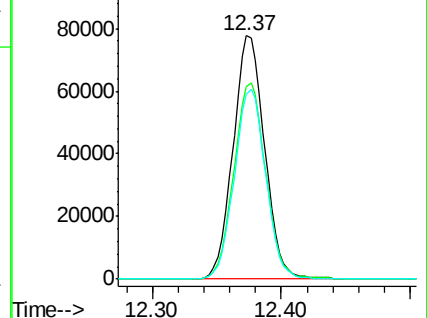


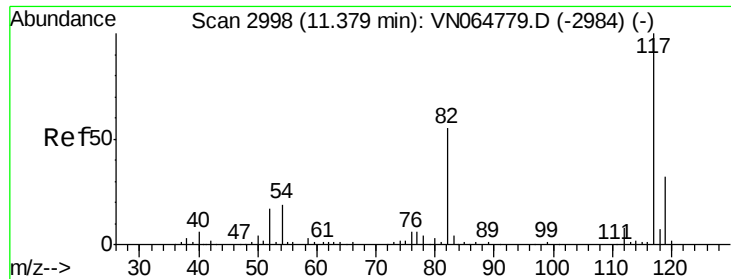
Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.37

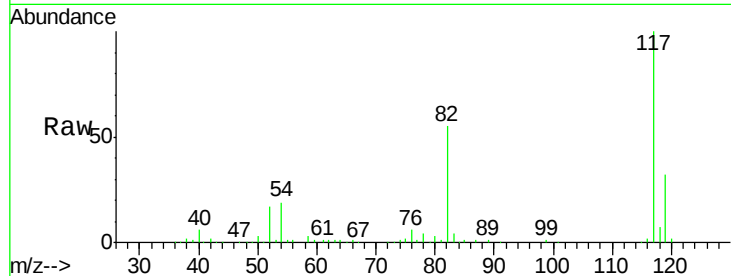




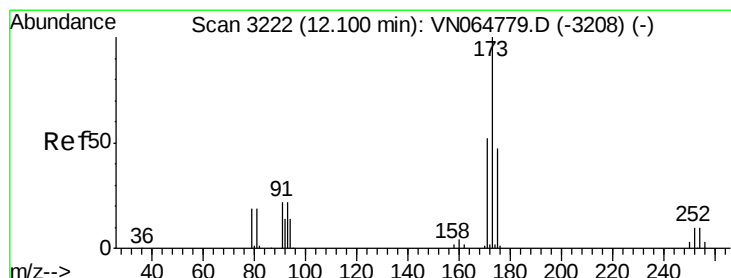
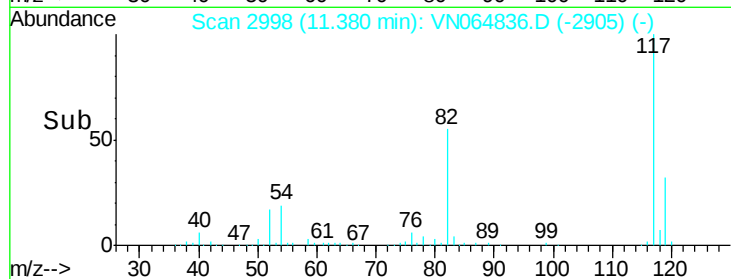
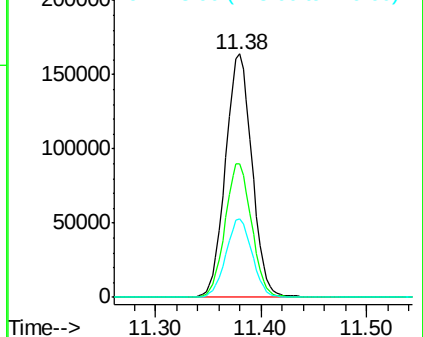
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118

Tot Ion:117 Resp: 285118
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.1 25.8 38.6

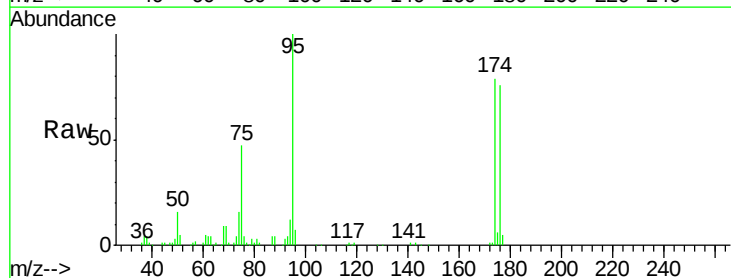


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

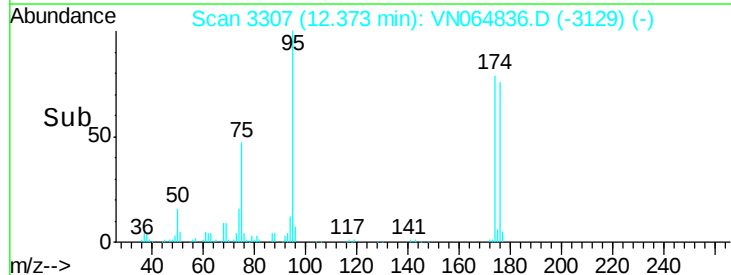
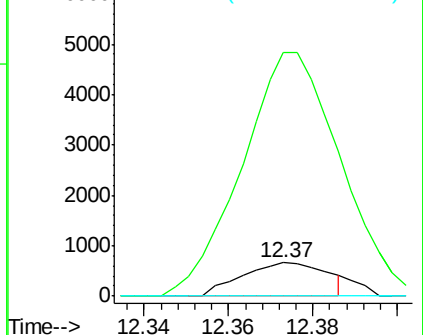


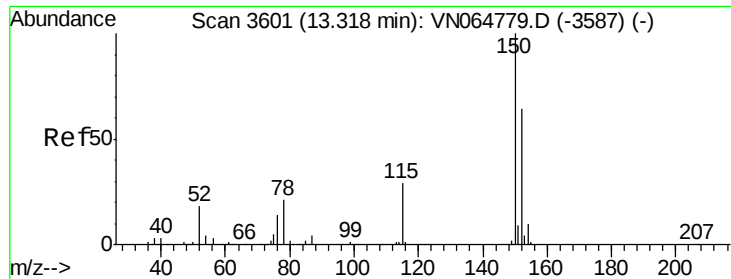
#71
Bromoform
Concen: 0.514 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064836.D
Acq: 25 Nov 2020 2:18

Tgt Ion:173 Resp: 924
Ion Ratio Lower Upper
173 100
175 740.6 24.3 72.8#
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# 3600

Delta R.T. -0.00 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

91BR-20201118

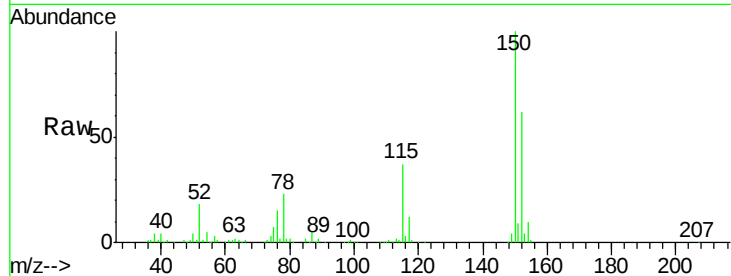
Tot Ion:152 Resp: 127143

Ion Ratio Lower Upper

152 100

115 58.8 29.7 89.1

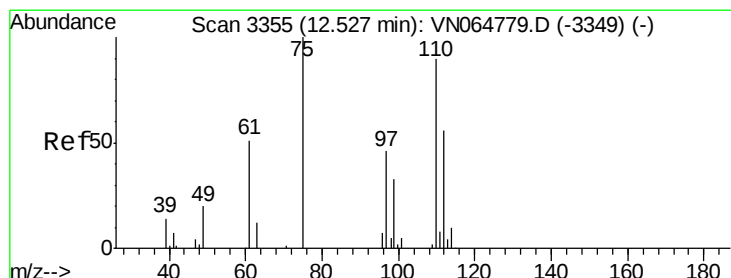
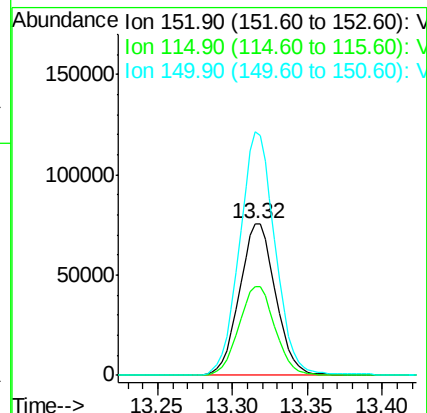
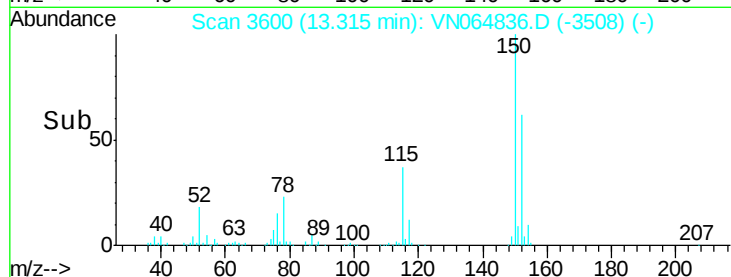
150 157.6 0.0 350.6



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: 22.711 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064836.D

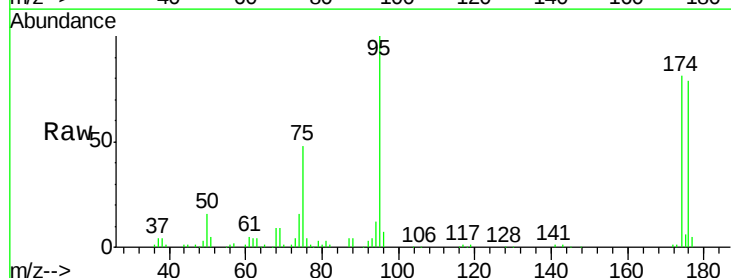
Acq: 25 Nov 2020 2:18

Tgt Ion: 75 Resp: 62185

Ion Ratio Lower Upper

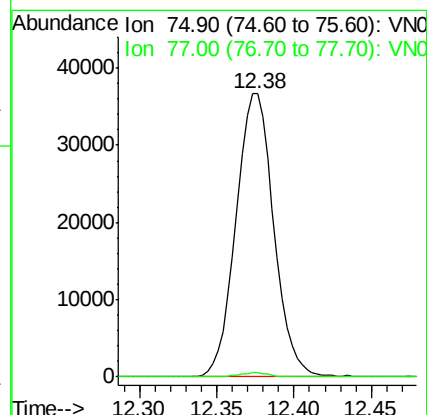
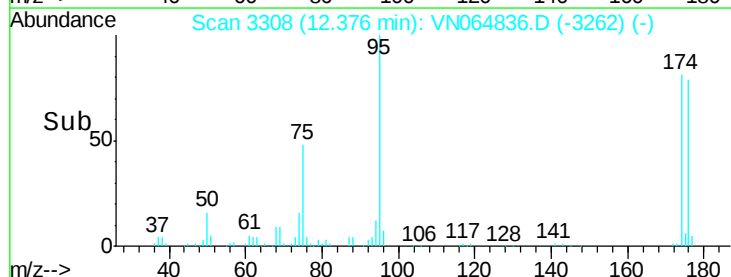
75 100

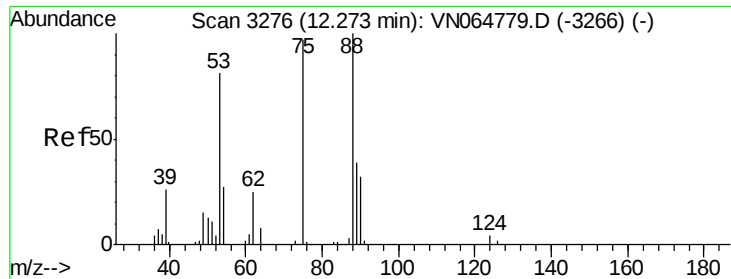
77 1.1 0.0 0.0#



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: 62.245 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064836.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_N

ClientSampleId :

91BR-20201118

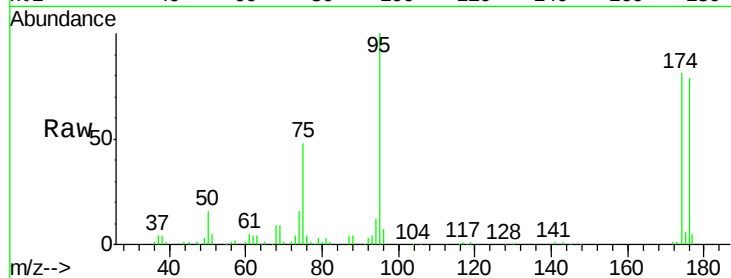
Tot Ion: 75 Resp: 62185

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064836.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064836.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064836.D (-3183) (-)

