

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064831.D
 Acq On : 25 Nov 2020 00:18
 Operator : JC/MD
 Sample : L4798-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20201118

Quant Time: Nov 25 05:58:07 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	7.62	168	165708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	294430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	304469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138746	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	102366	53.14	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.28%	
35) Dibromofluoromethane		7.55	113	92500	52.50	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.00%	
50) Toluene-d8		10.06	98	363975	50.56	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.12%	
62) 4-Bromofluorobenzene		12.37	95	143510	55.71	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.42%	

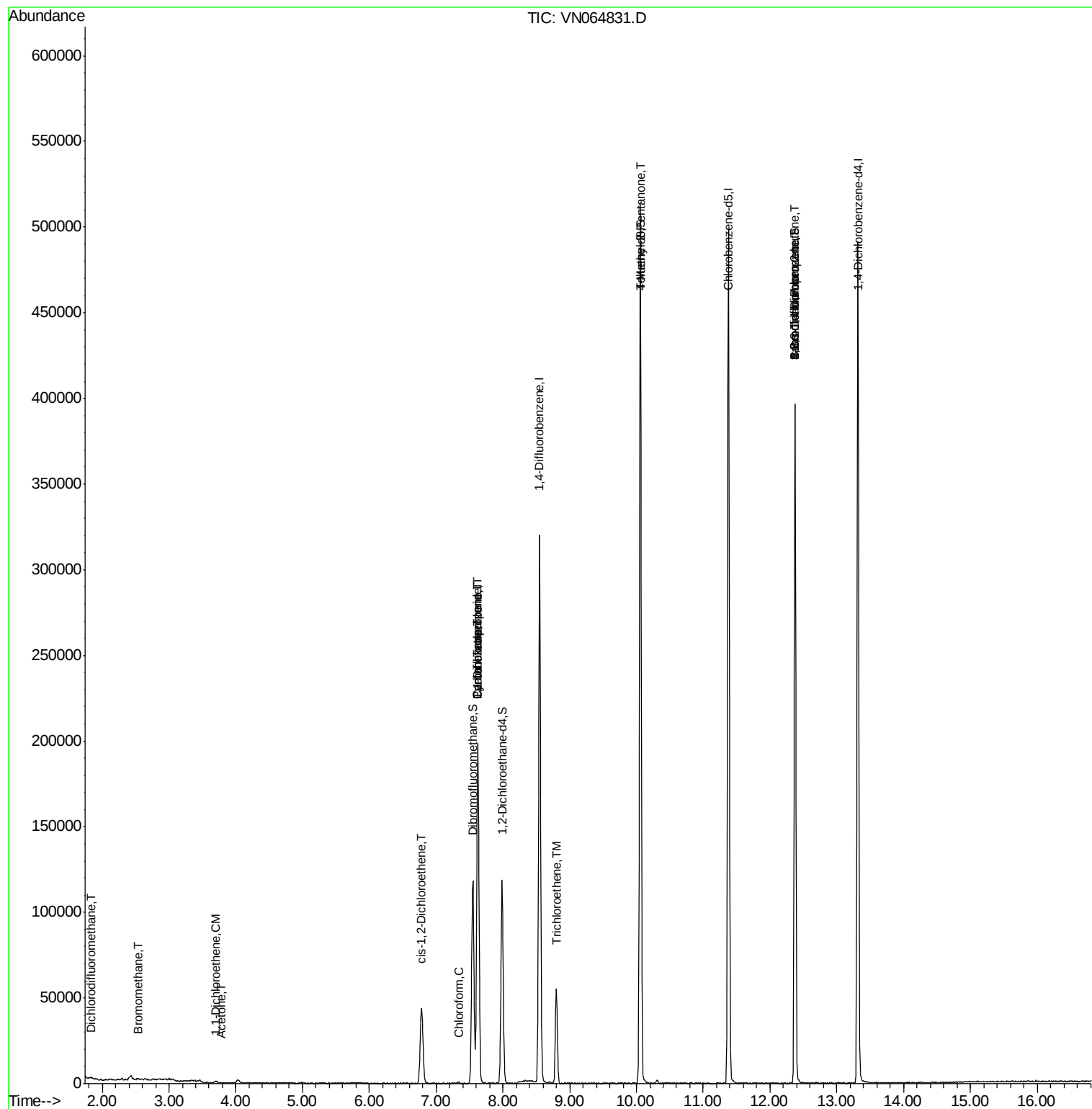
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	543	0.378	ug/l #	42
5) Bromomethane	2.53	94	297	0.233	ug/l #	3
12) 1,1-Dichloroethene	3.70	96	745	0.464	ug/l #	73
16) Acetone	3.78	43	128	0.202	ug/l #	43
27) cis-1,2-Dichloroethene	6.78	96	30979	15.428	ug/l	89
30) Chloroform	7.34	83	923	0.282	ug/l	95
31) Cyclohexane	7.62	56	2888	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11671	4.277	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15605	5.496	ug/l #	17
44) Trichloroethene	8.80	130	21442	8.690	ug/l	99
51) 4-Methyl-2-Pentanone	10.05	43	1472	0.580	ug/l #	1
71) Bromoform	12.37	173	663	0.345	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	68264	22.846	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68264	62.615	ug/l #	15

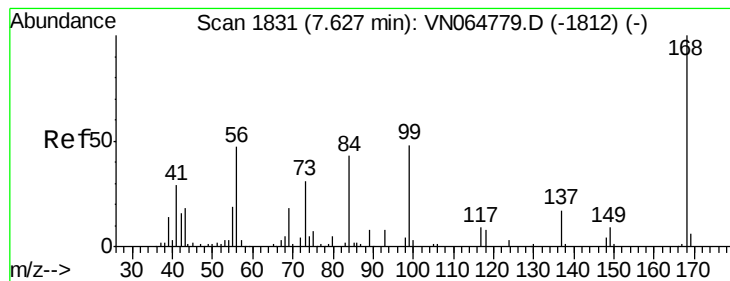
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

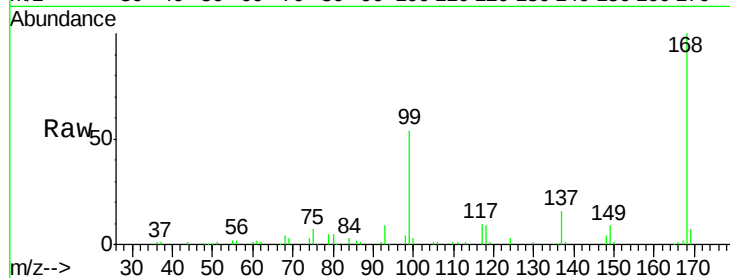
22BR-20201118

Tot Ion:168 Resp: 165708

Ion Ratio Lower Upper

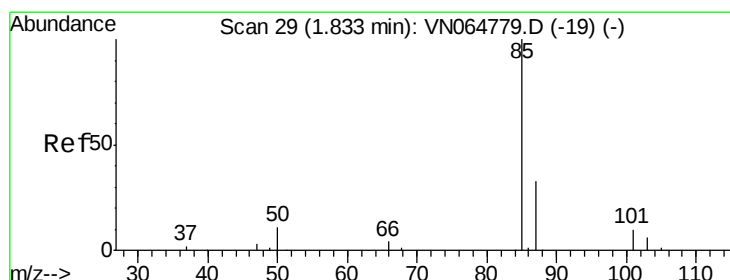
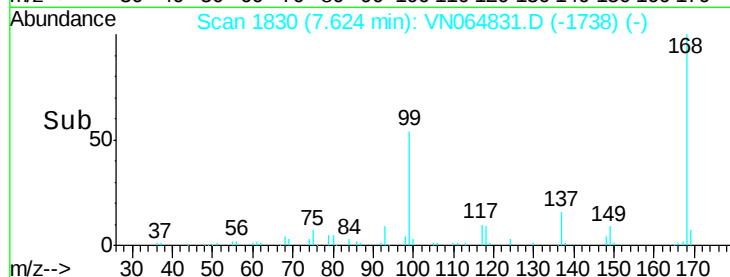
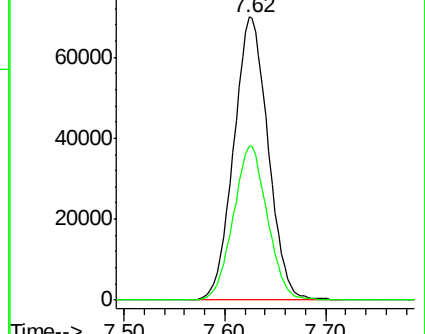
168 100

99 54.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.378 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064831.D

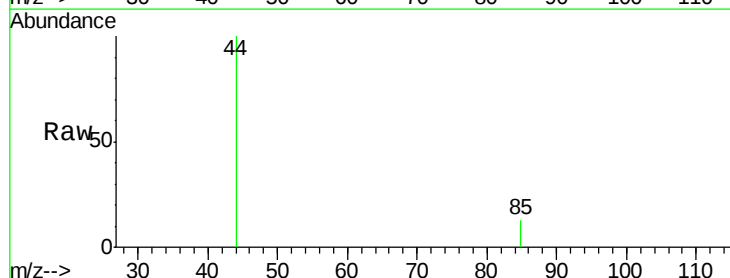
Acq: 25 Nov 2020 00:18

Tgt Ion: 85 Resp: 543

Ion Ratio Lower Upper

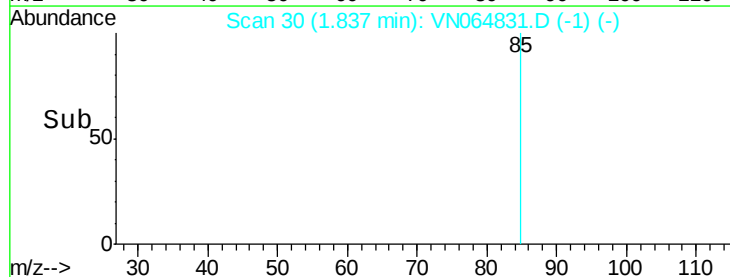
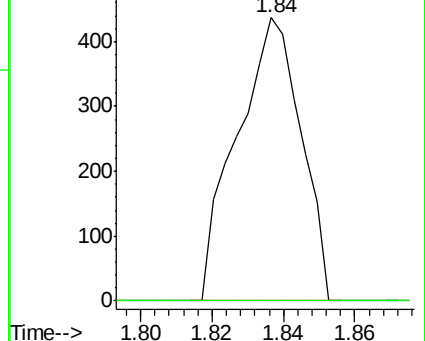
85 100

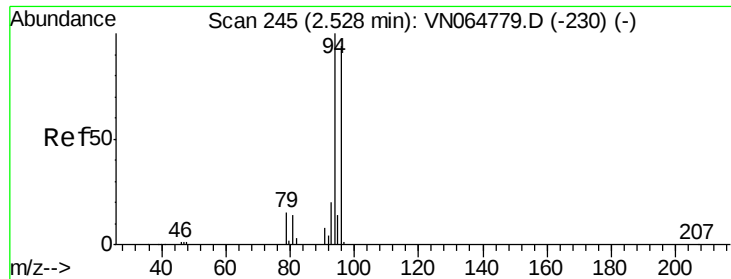
87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#5

Bromomethane

Concen: 0.233 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

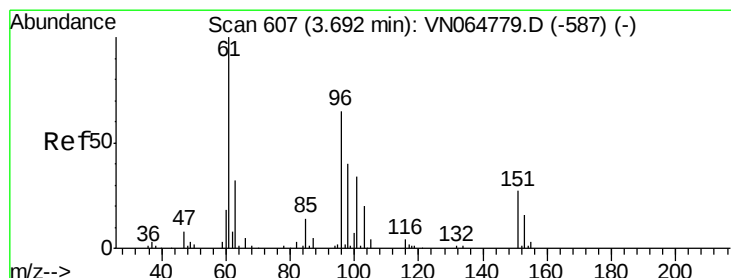
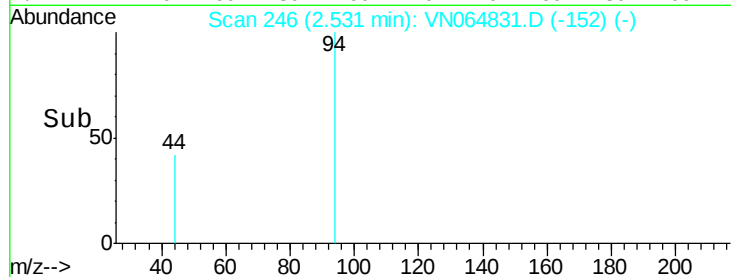
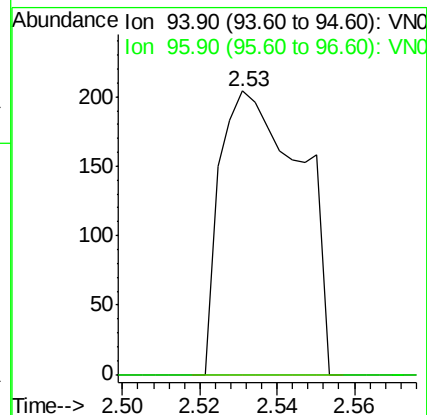
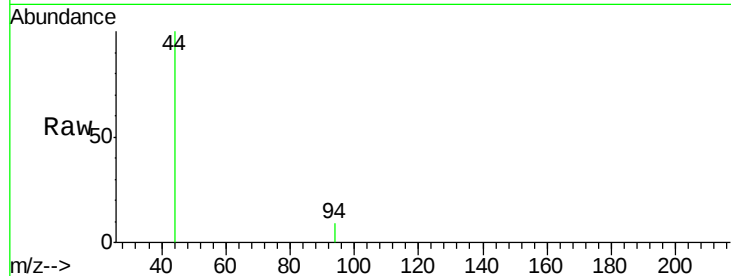
22BR-20201118

Tot Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.0#



#12

1,1-Dichloroethene

Concen: 0.464 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

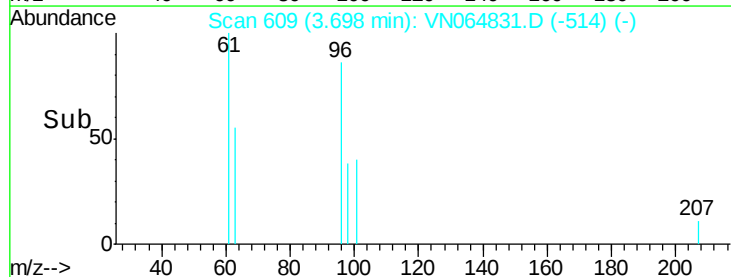
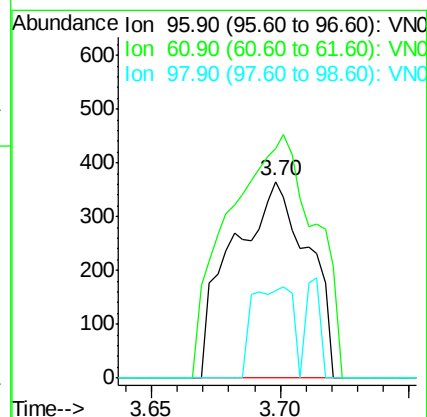
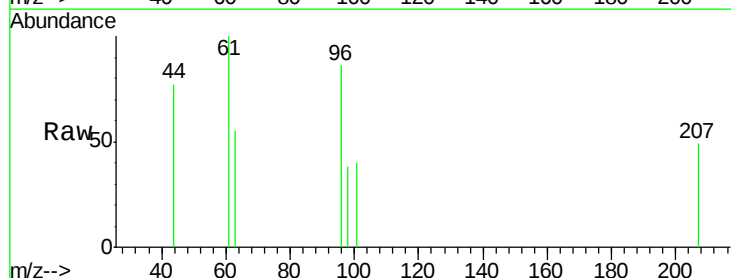
Tgt Ion: 96 Resp: 745

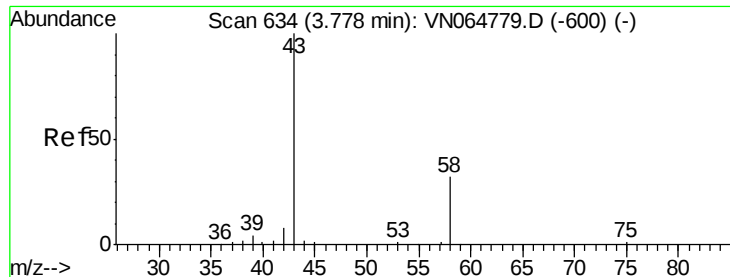
Ion Ratio Lower Upper

96 100

61 116.9 123.4 185.2#

98 44.3 49.8 74.8#





#16

Acetone

Concen: 0.202 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

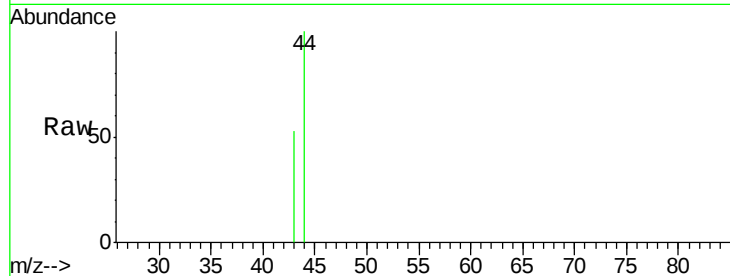
22BR-20201118

Tot Ion: 43 Resp: 128

Ion Ratio Lower Upper

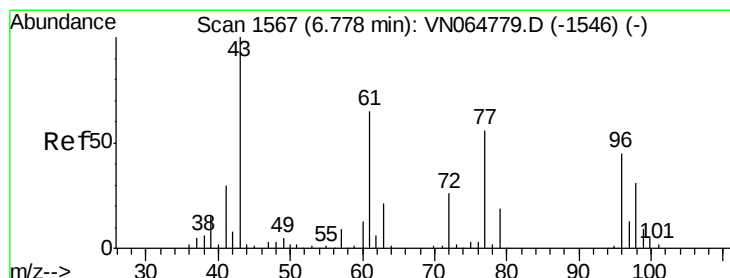
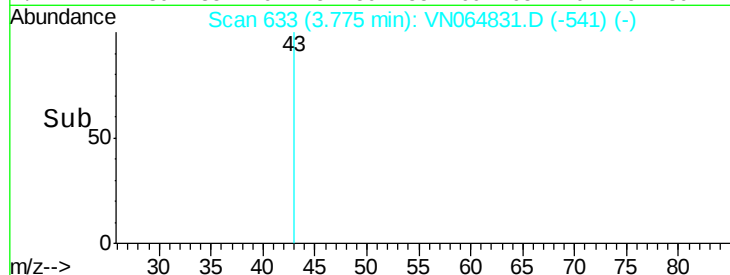
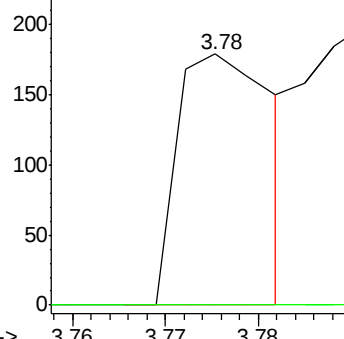
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 15.428 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

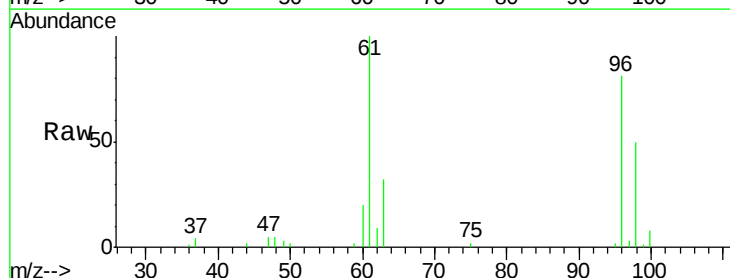
Tgt Ion: 96 Resp: 30979

Ion Ratio Lower Upper

96 100

61 124.8 0.0 285.8

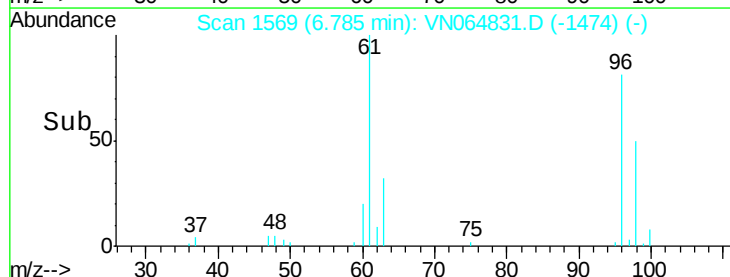
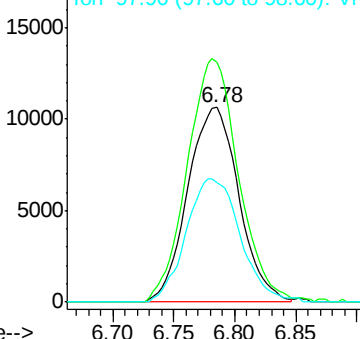
98 67.0 0.0 130.6

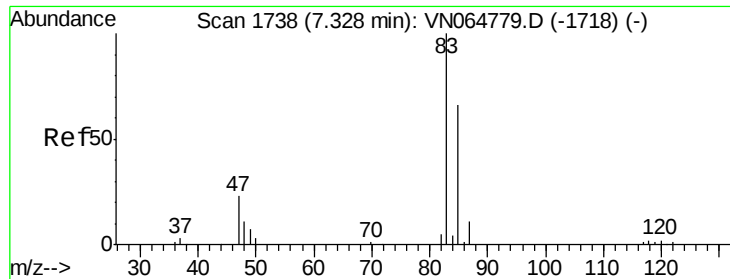


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

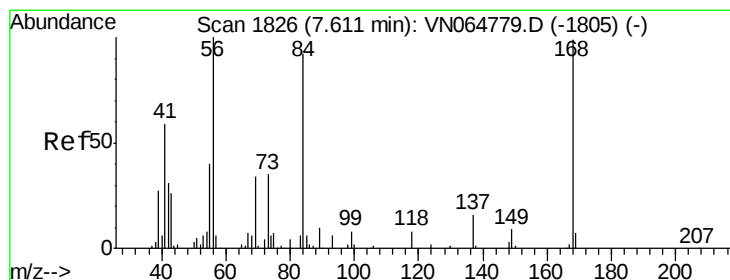
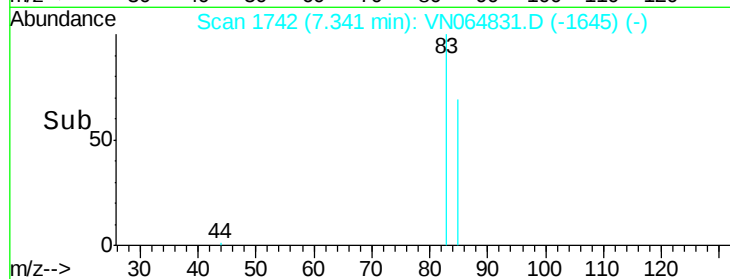
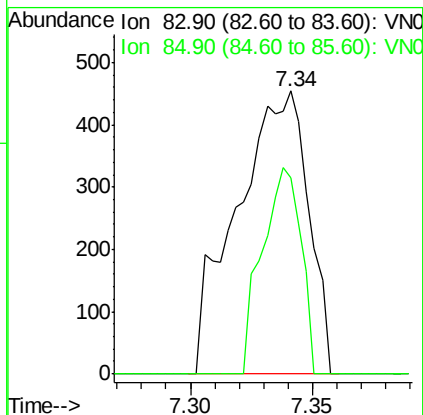
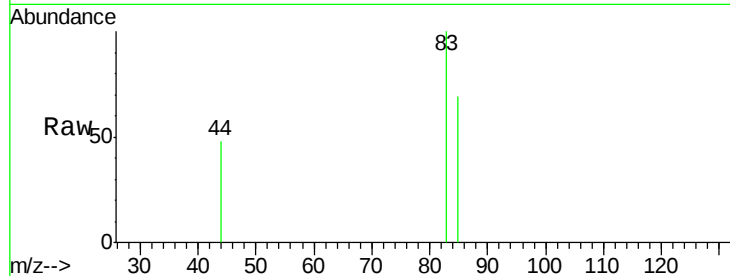




#30
Chloroform
Concen: 0.282 ug/l
RT: 7.34 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN064831.D
Acq: 25 Nov 2020 00:18

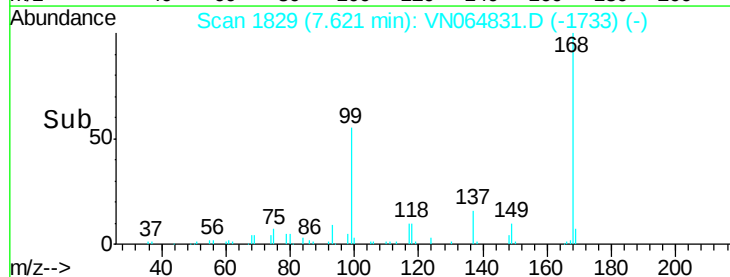
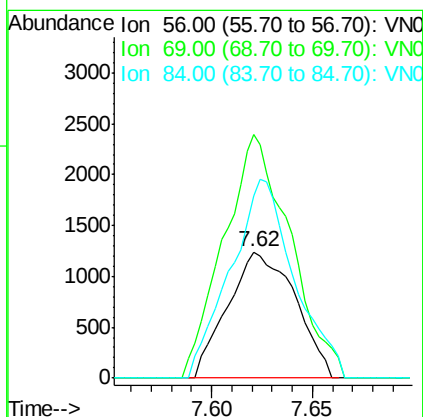
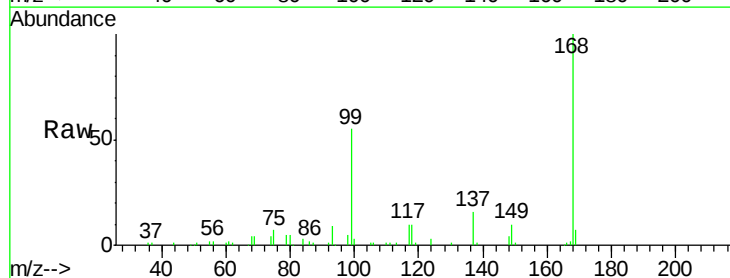
Instrument :
MSVOA_N
ClientSampleId :
22BR-20201118

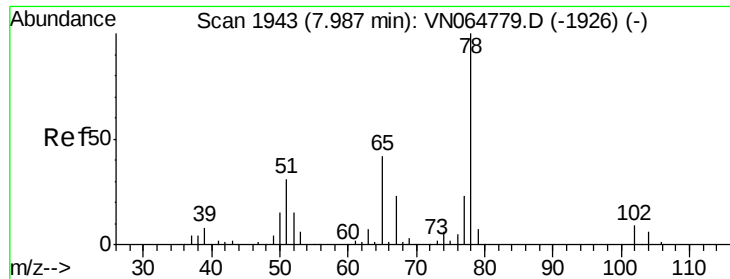
Tot Ion: 83 Resp: 923
Ion Ratio Lower Upper
83 100
85 69.4 52.6 78.8



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064831.D
Acq: 25 Nov 2020 00:18

Tgt Ion: 56 Resp: 2888
Ion Ratio Lower Upper
56 100
69 177.6 27.5 41.3#
84 144.1 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 53.137 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

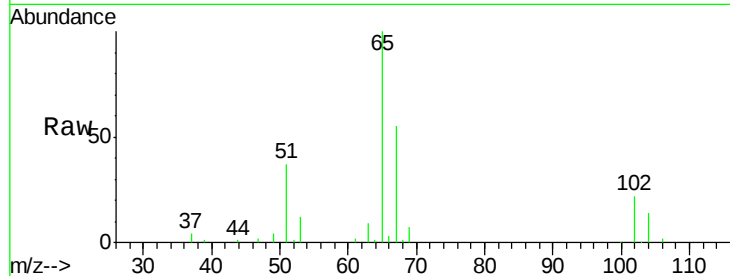
22BR-20201118

Tot Ion: 65 Resp: 102366

Ion Ratio Lower Upper

65 100

67 55.3 0.0 108.2

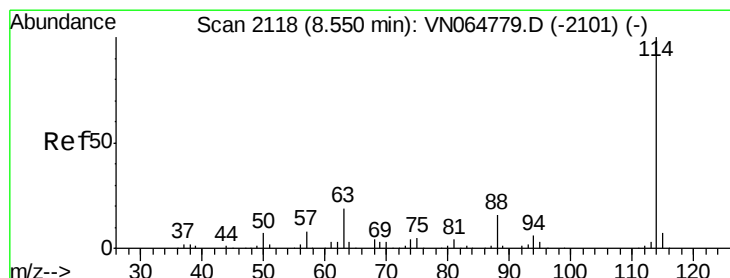
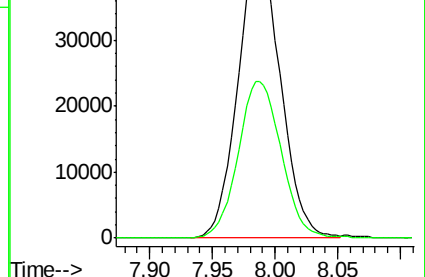
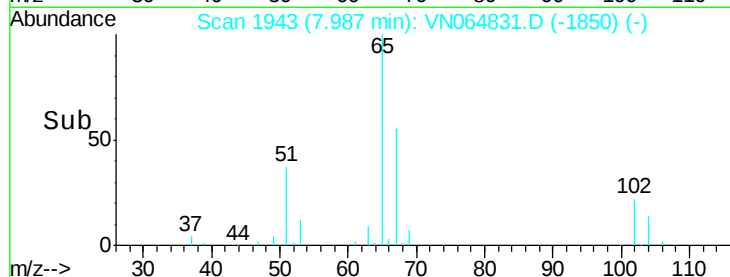


Abundance Ion 64.90 (64.60 to 65.60): VN064831.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064831.D (-1850) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

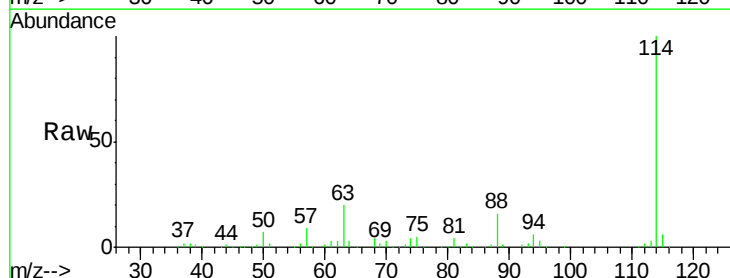
Tgt Ion: 114 Resp: 294430

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.6 0.0 32.6



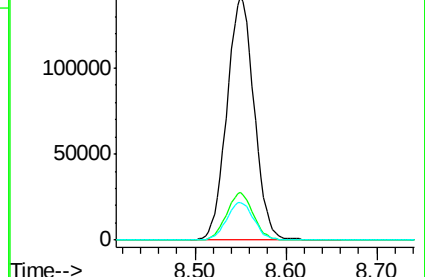
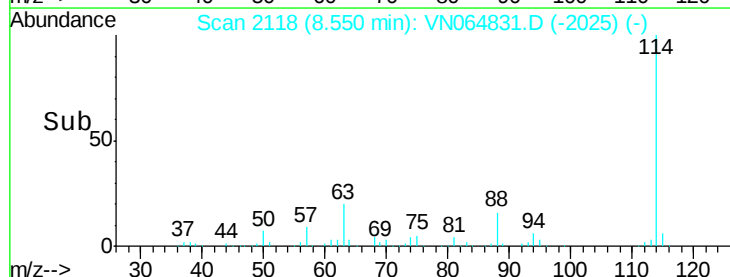
Abundance Ion 113.90 (113.60 to 114.60): VN064831.D (-2025) (-)

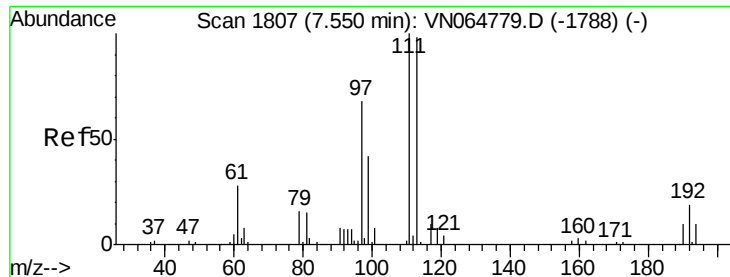
Ion 63.00 (62.70 to 63.70): VN064831.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064831.D (-2025) (-)

8.55

Time-->

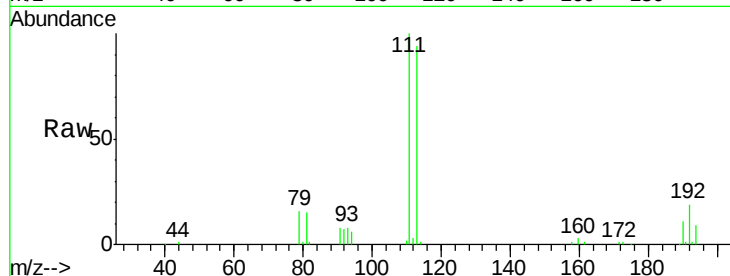




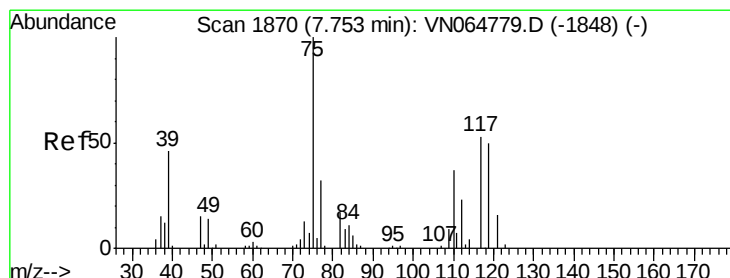
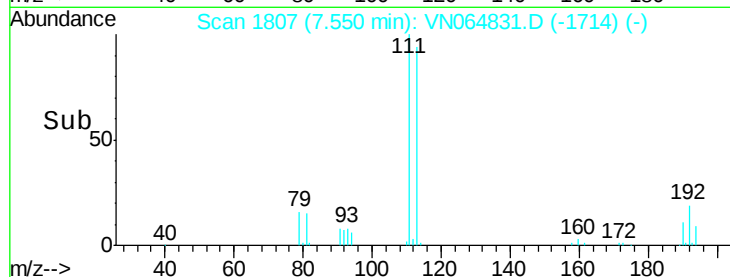
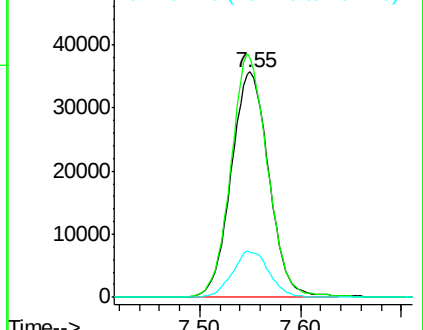
#35
 Dibromofluoromethane
 Concen: 52.504 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064831.D
 Acq: 25 Nov 2020 00:18

Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20201118

Tot Ion:113 Resp: 92500
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.6 122.4
 192 19.8 16.2 24.2

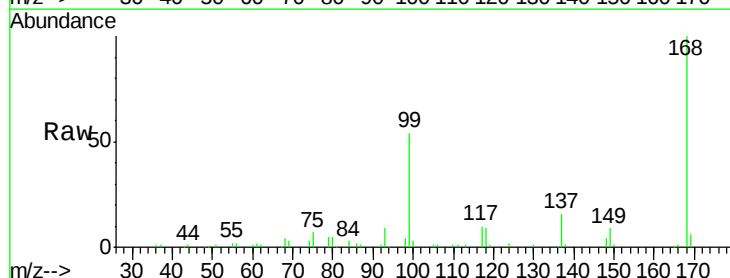


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

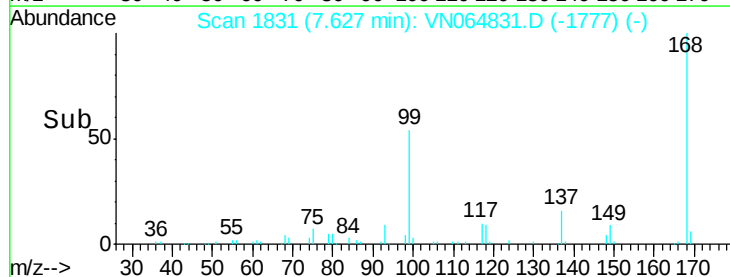
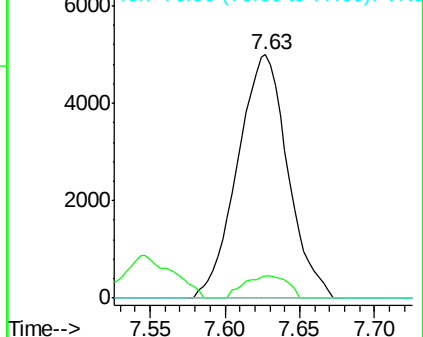


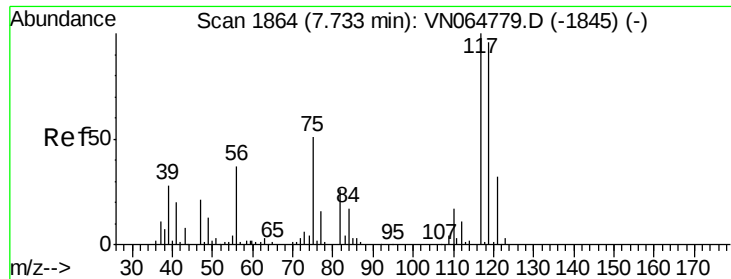
#36
 1,1-Dichloropropene
 Concen: 4.277 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064831.D
 Acq: 25 Nov 2020 00:18

Tgt Ion: 75 Resp: 11671
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.8 53.3#
 77 0.0 25.0 37.4#



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: 5.496 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

22BR-20201118

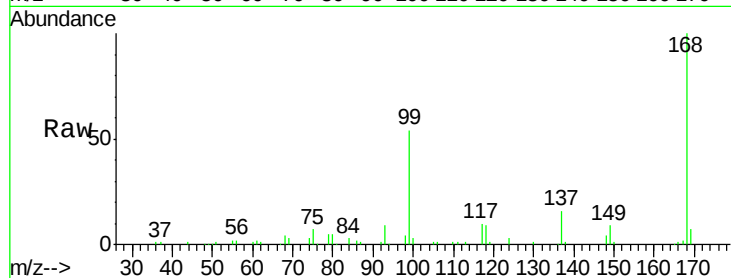
Tot Ion:117 Resp: 15605

Ion Ratio Lower Upper

117 100

119 6.4 76.7 115.1#

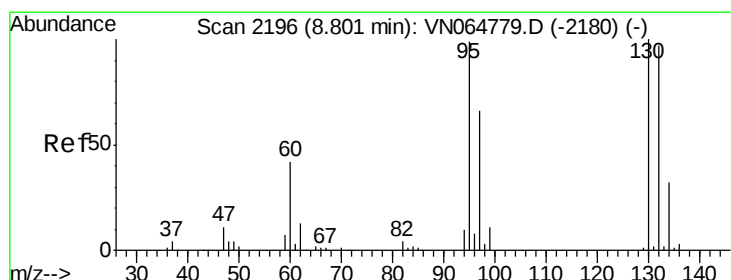
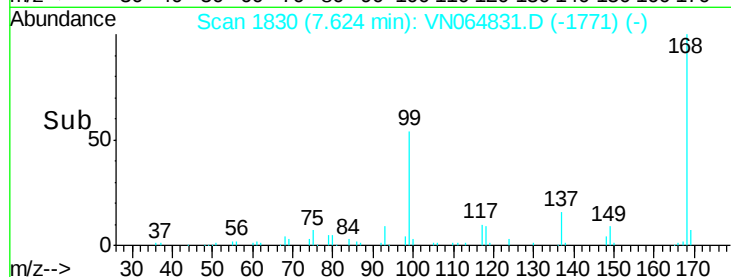
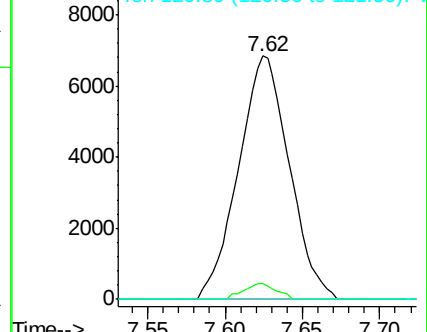
121 0.0 25.4 38.2#



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



#44

Trichloroethene

Concen: 8.690 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064831.D

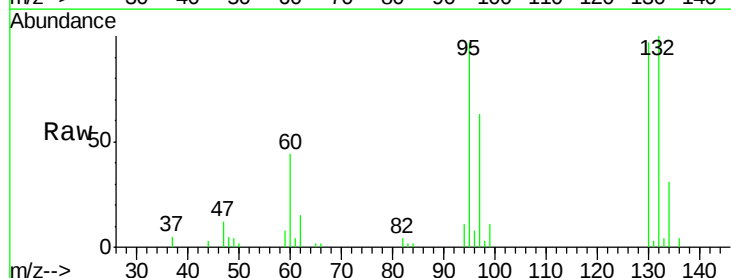
Acq: 25 Nov 2020 00:18

Tgt Ion:130 Resp: 21442

Ion Ratio Lower Upper

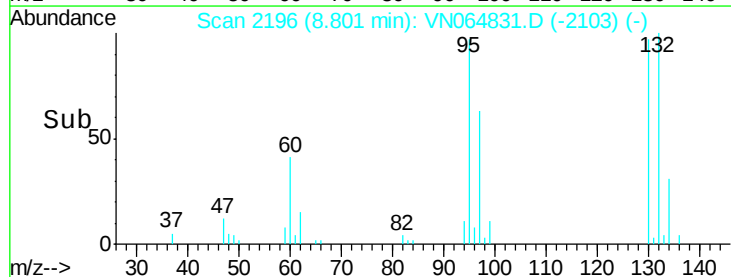
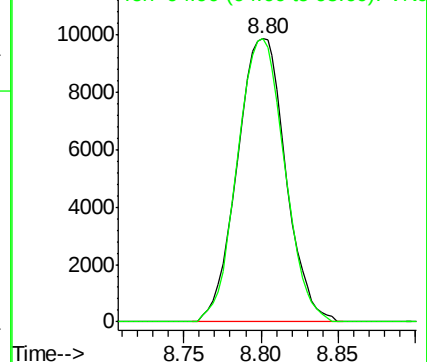
130 100

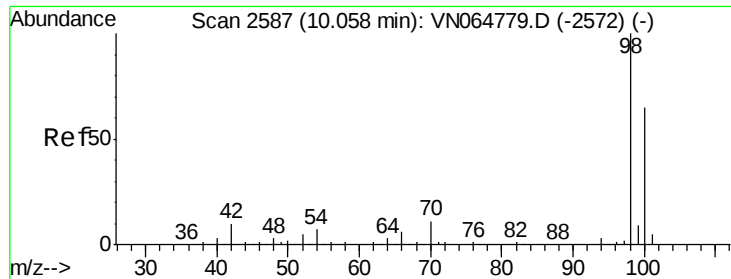
95 100.0 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.563 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

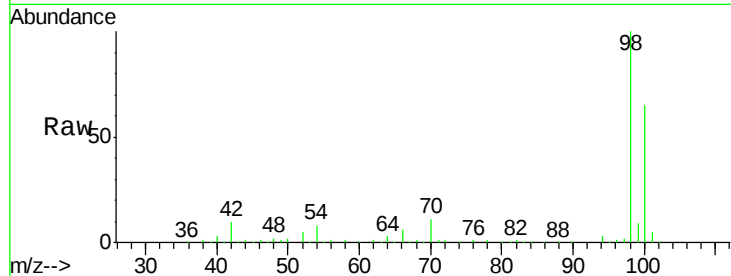
22BR-20201118

Tot Ion: 98 Resp: 363975

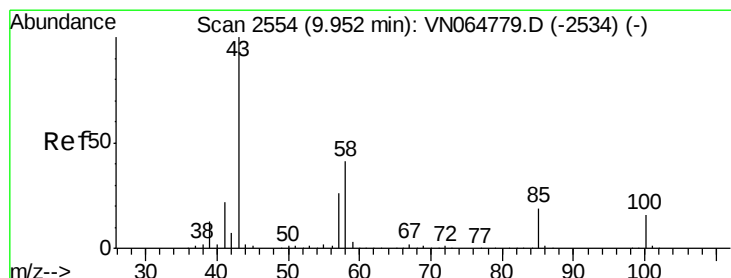
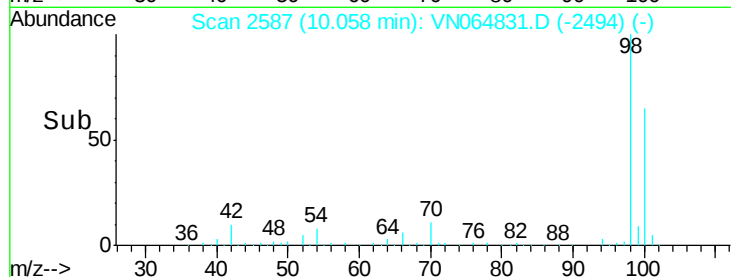
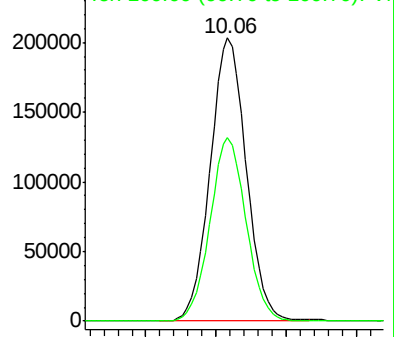
Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



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



#51

4-Methyl-2-Pentanone

Concen: 0.580 ug/l

RT: 10.05 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN064831.D

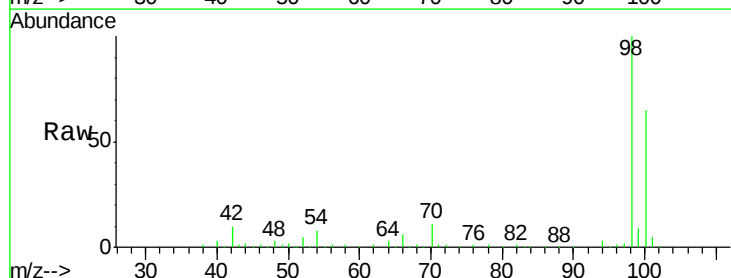
Acq: 25 Nov 2020 00:18

Tgt Ion: 43 Resp: 1472

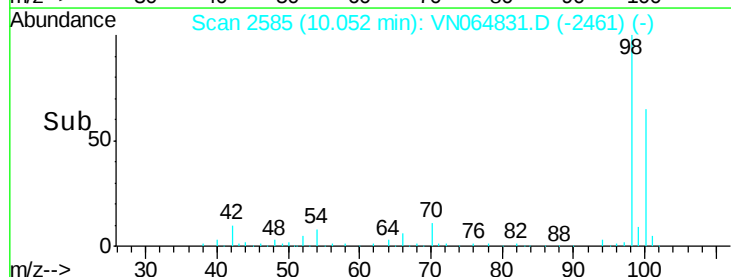
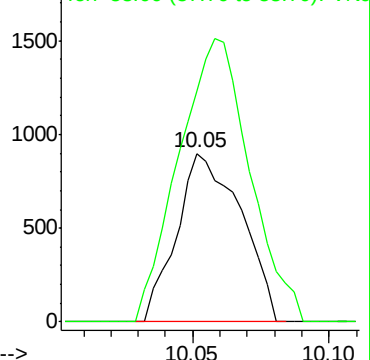
Ion Ratio Lower Upper

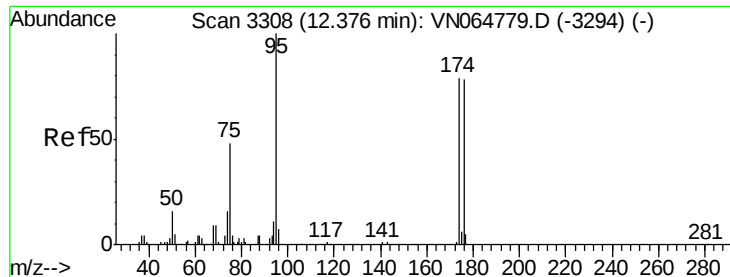
43 100

58 185.1 32.4 48.6#



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





#62

4-Bromofluorobenzene

Concen: 55.706 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

22BR-20201118

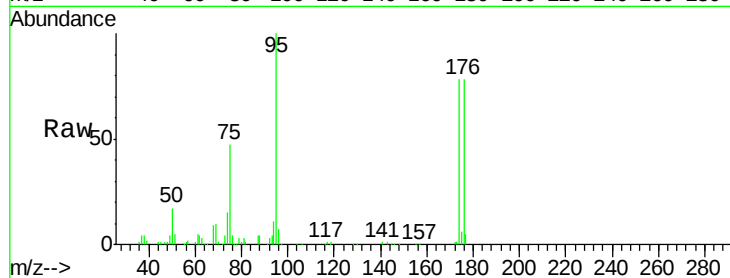
Tot Ion: 95 Resp: 143510

Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.4

176 78.4 0.0 158.4

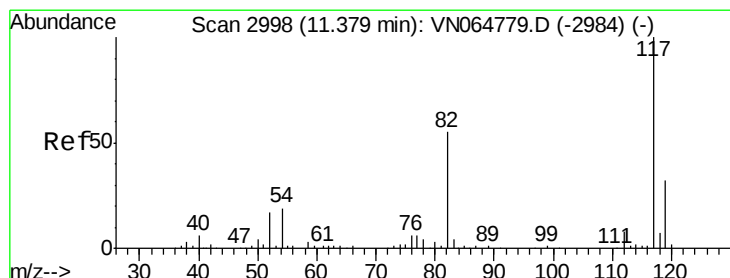
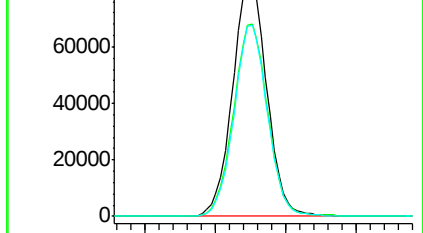
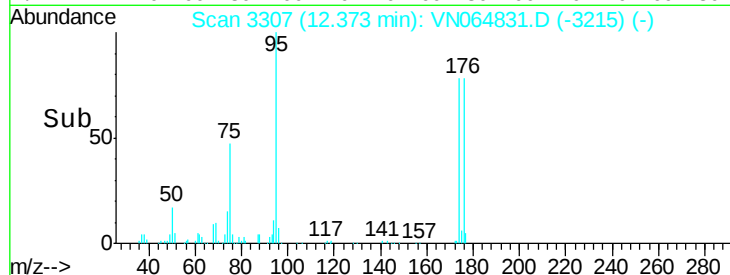


Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

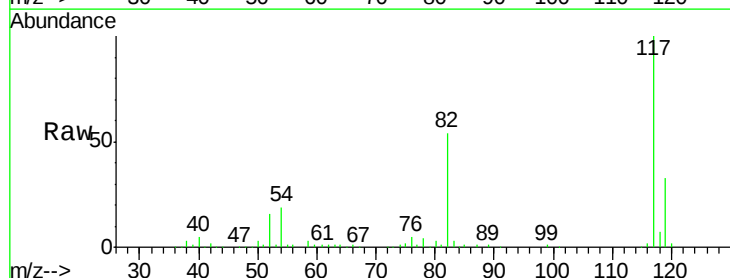
Tgt Ion: 117 Resp: 304469

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

119 33.0 25.8 38.6

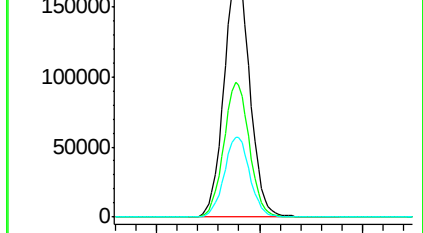
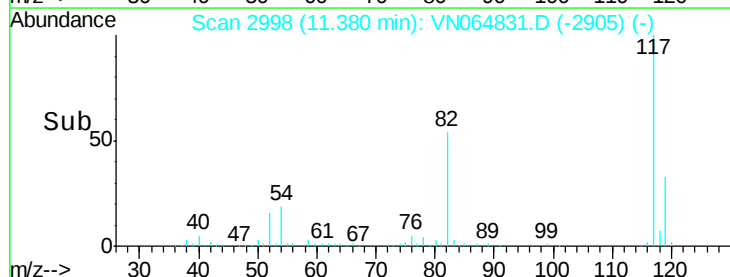


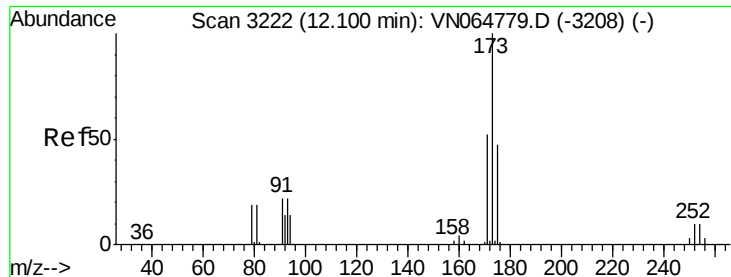
Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

Time-->

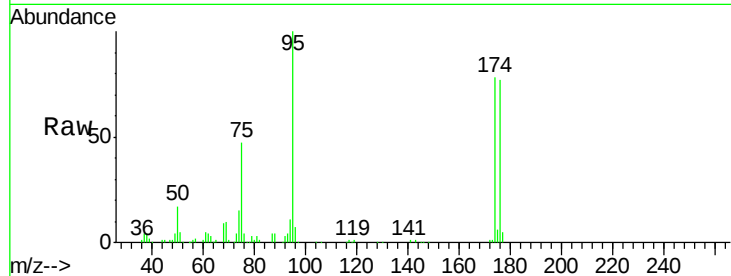




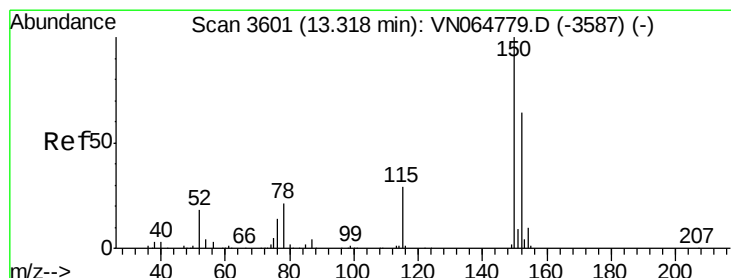
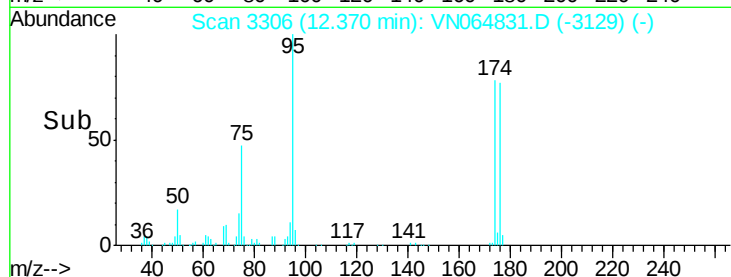
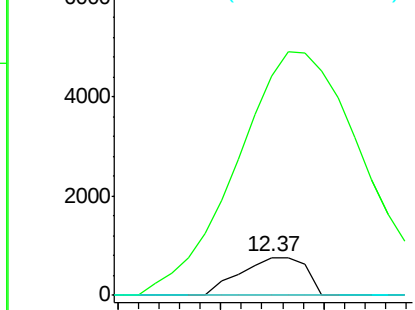
#71
Bromoform
Concen: 0.345 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064831.D
Acq: 25 Nov 2020 00:18

Instrument :
MSVOA_N
ClientSampleId :
22BR-20201118

Tot Ion:173 Resp: 663
Ion Ratio Lower Upper
173 100
175 1073.2 24.3 72.8#
254 0.0 0.0 0.0

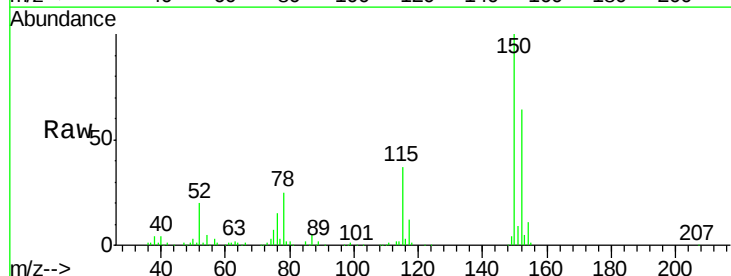


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

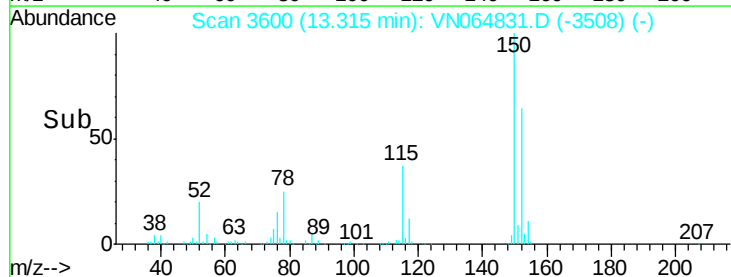
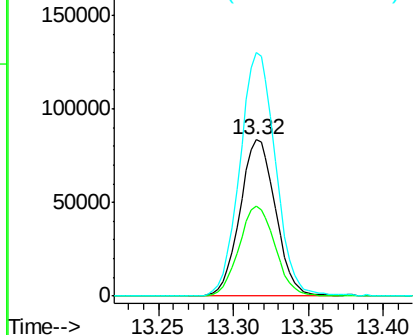


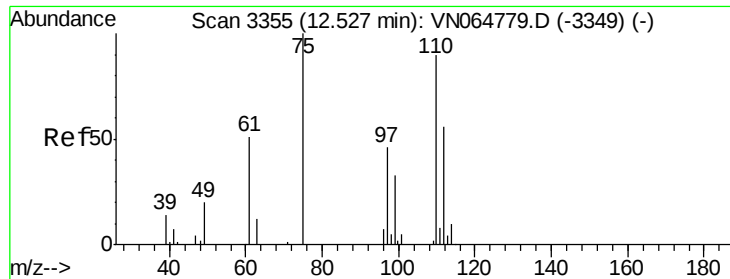
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064831.D
Acq: 25 Nov 2020 00:18

Tgt Ion:152 Resp: 138746
Ion Ratio Lower Upper
152 100
115 58.6 29.7 89.1
150 156.3 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: 22.846 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

Instrument :

MSVOA_N

ClientSampleId :

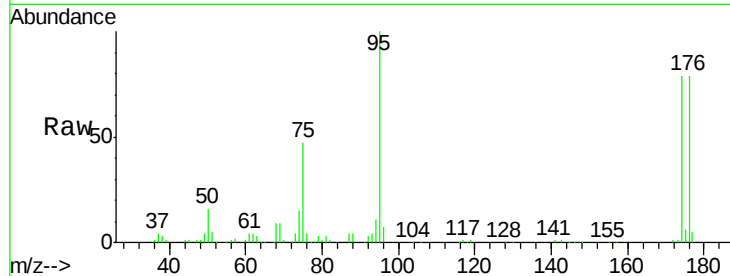
22BR-20201118

Tot Ion: 75 Resp: 68264

Ion Ratio Lower Upper

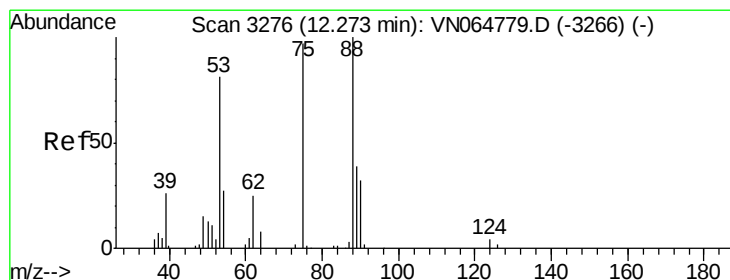
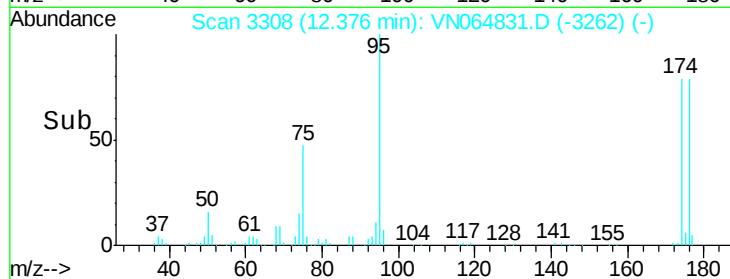
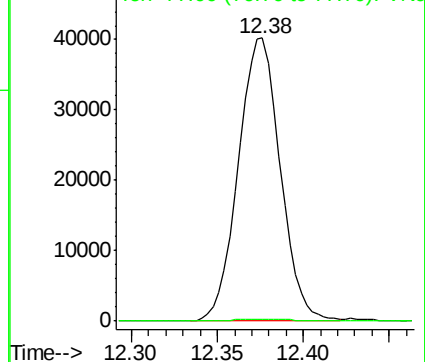
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.615 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064831.D

Acq: 25 Nov 2020 00:18

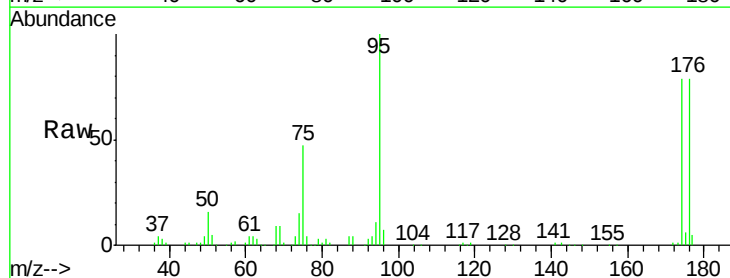
Tgt Ion: 75 Resp: 68264

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

