

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064830.D
 Acq On : 24 Nov 2020 23:53
 Operator : JC/MD
 Sample : L4798-03DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20BR-20201118DL

Quant Time: Nov 25 05:57:55 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	165014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	296117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100778	52.53	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.06%
35) Dibromofluoromethane	7.55	113	93870	52.98	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.96%
50) Toluene-d8	10.06	98	361690	49.96	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.92%
62) 4-Bromofluorobenzene	12.37	95	140503	54.23	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.46%

Target Compounds

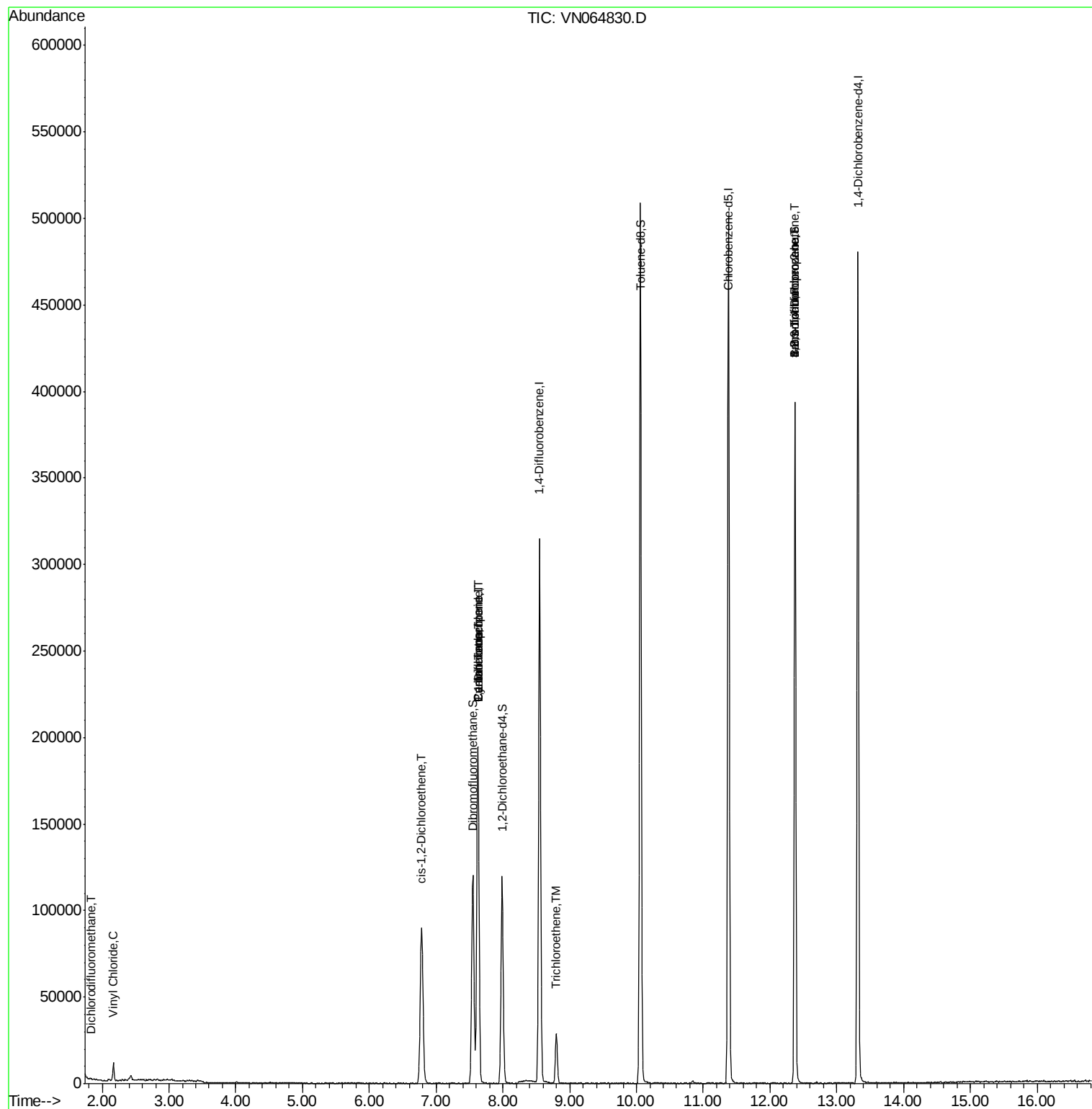
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	360	0.252	ug/l #	42
4) Vinyl Chloride	2.17	62	9418	4.861	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	59239	29.626	ug/l	90
31) Cyclohexane	7.63	56	2858	1.069	ug/l #	13
36) 1,1-Dichloropropene	7.63	75	11517	4.196	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15750	5.515	ug/l #	16
44) Trichloroethene	8.80	130	11396	4.592	ug/l	99
71) Bromoform	12.37	173	1142	0.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	66281	22.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	66281	61.841	ug/l #	15

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

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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: VN064830.D

Acq: 24 Nov 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

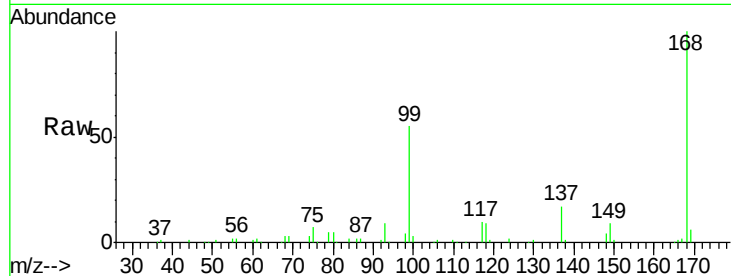
20BR-20201118DL

Tot Ion:168 Resp: 165014

Ion Ratio Lower Upper

168 100

99 54.6 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

80000

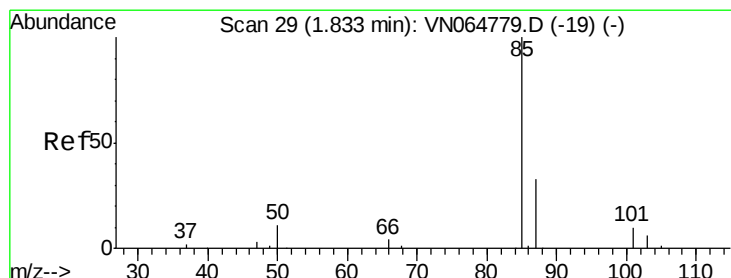
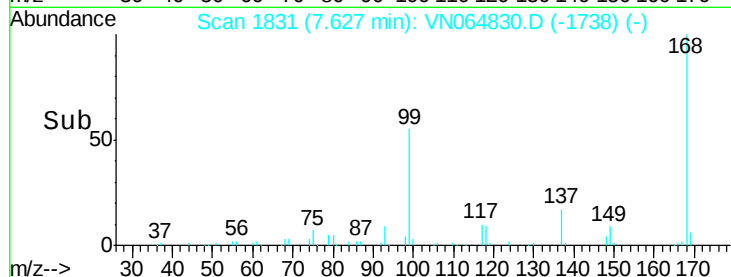
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.252 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064830.D

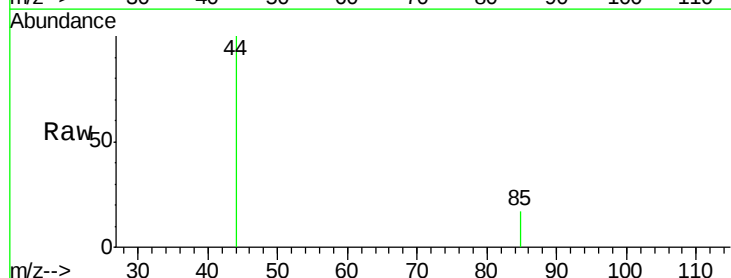
Acq: 24 Nov 2020 23:53

Tgt Ion: 85 Resp: 360

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

1.84

400

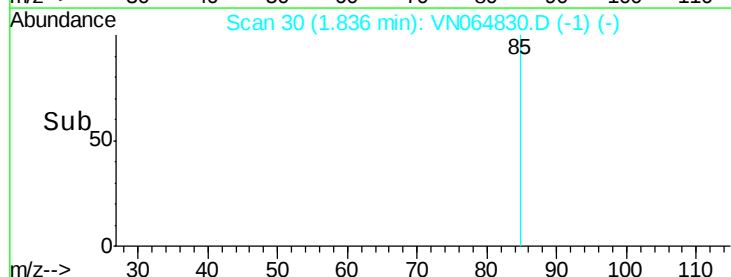
300

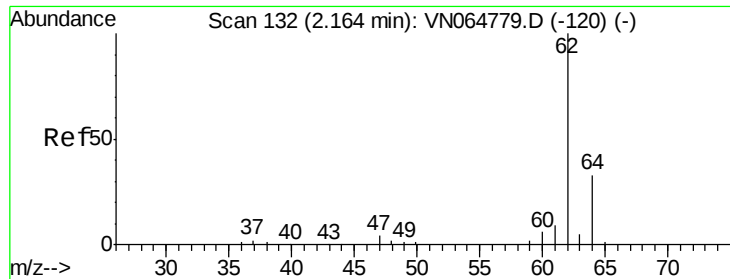
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 4.861 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

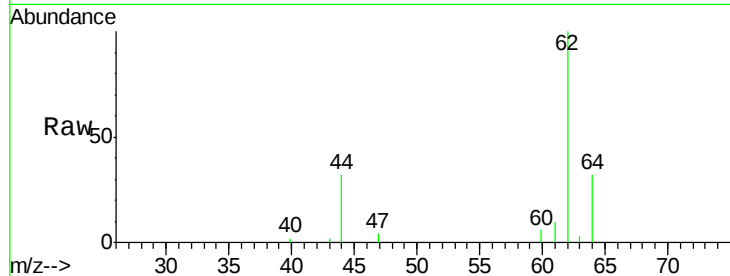
20BR-20201118DL

Tot Ion: 62 Resp: 9418

Ion Ratio Lower Upper

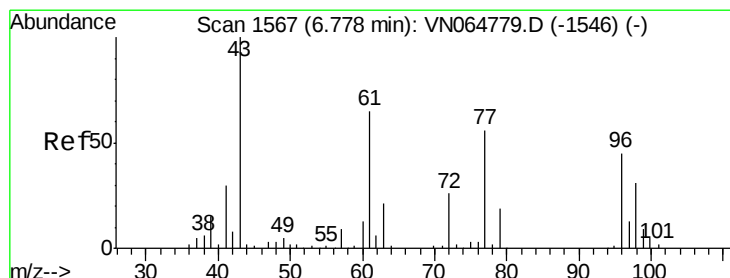
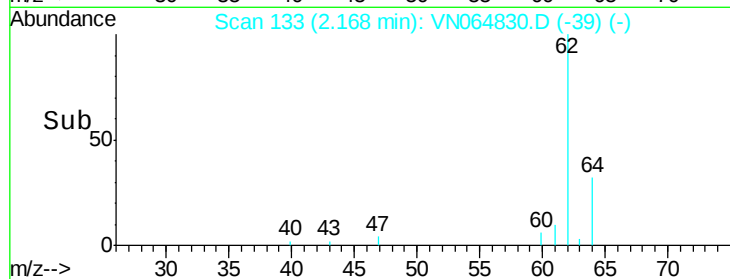
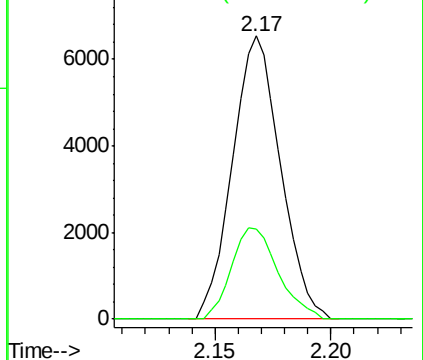
62 100

64 31.7 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 29.626 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

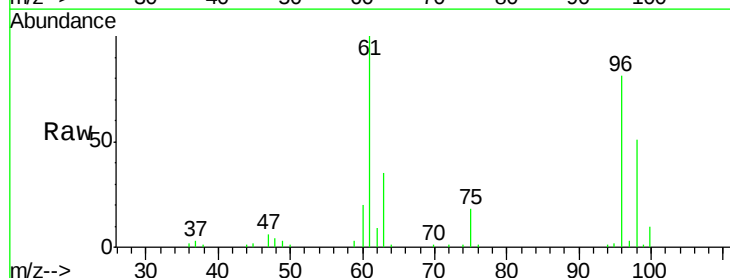
Tgt Ion: 96 Resp: 59239

Ion Ratio Lower Upper

96 100

61 125.7 0.0 285.8

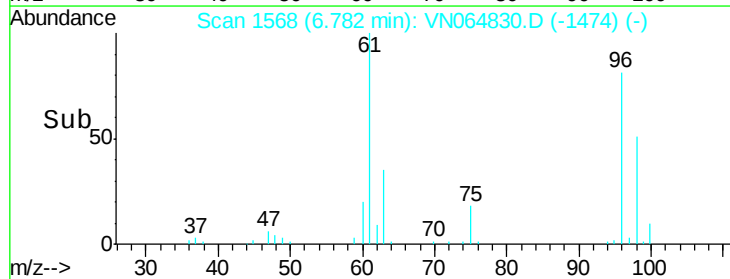
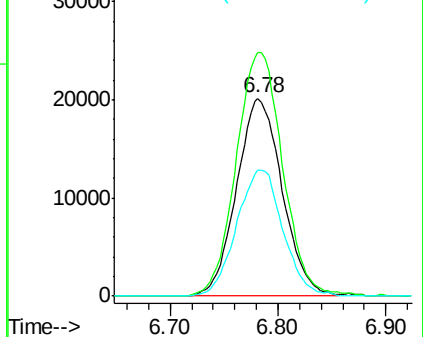
98 64.5 0.0 130.6

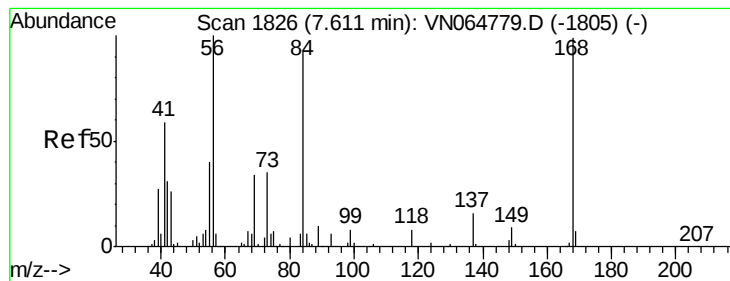


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

20BR-20201118DL

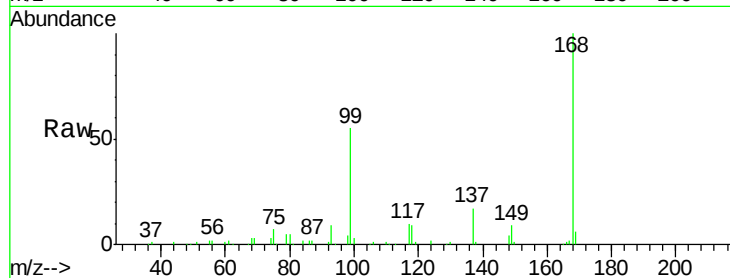
Tot Ion: 56 Resp: 2858

Ion Ratio Lower Upper

56 100

69 169.8 27.5 41.3#

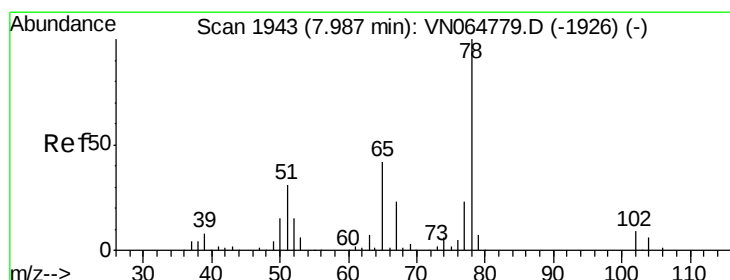
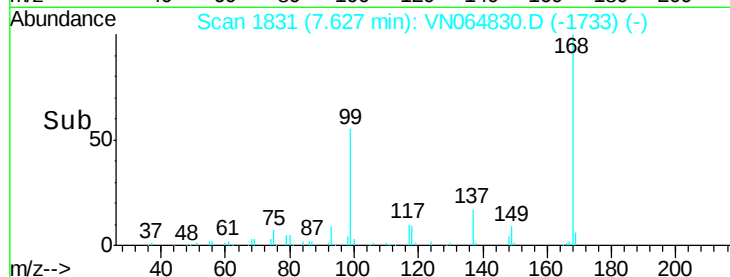
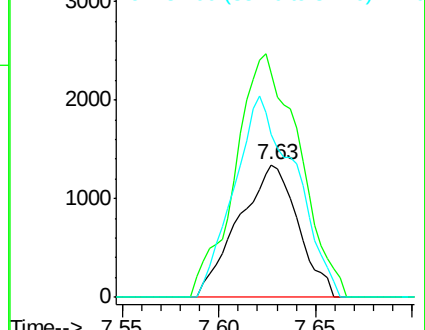
84 122.7 73.9 110.9#



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: 52.532 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064830.D

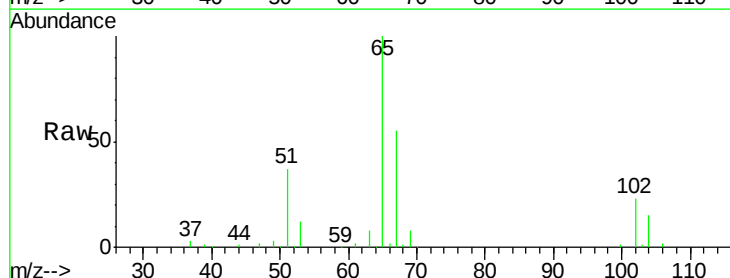
Acq: 24 Nov 2020 23:53

Tgt Ion: 65 Resp: 100778

Ion Ratio Lower Upper

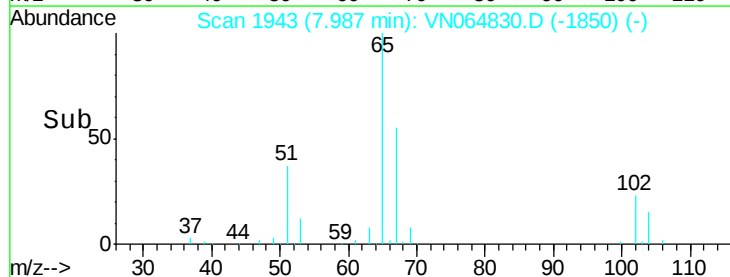
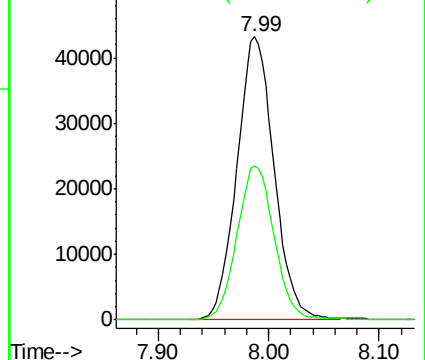
65 100

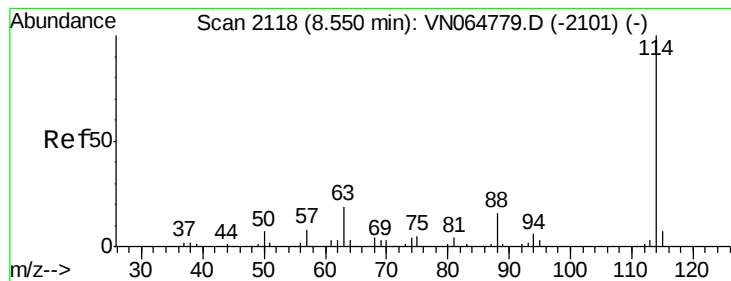
67 54.5 0.0 108.2



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: VN064830.D

Acq: 24 Nov 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

20BR-20201118DL

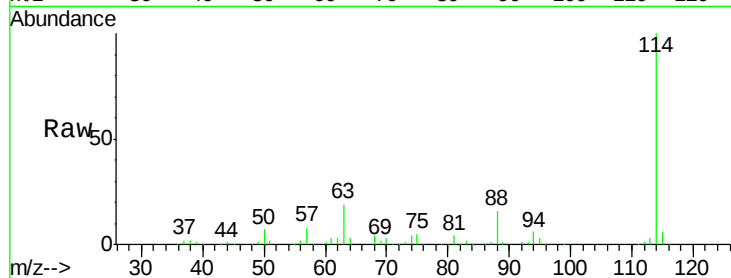
Tot Ion:114 Resp: 296117

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

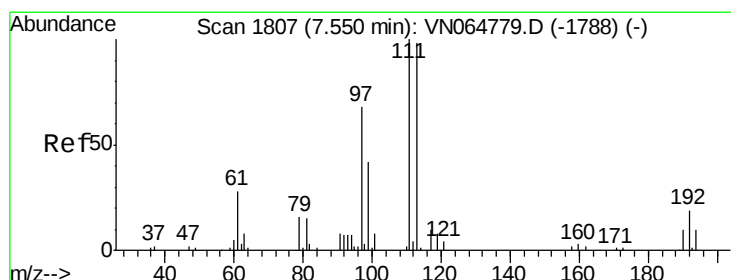
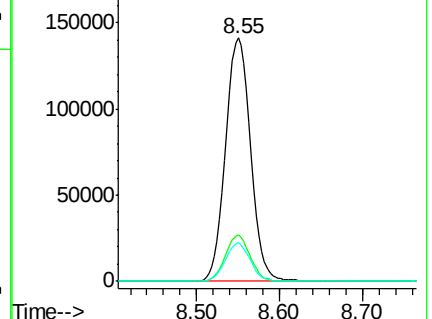
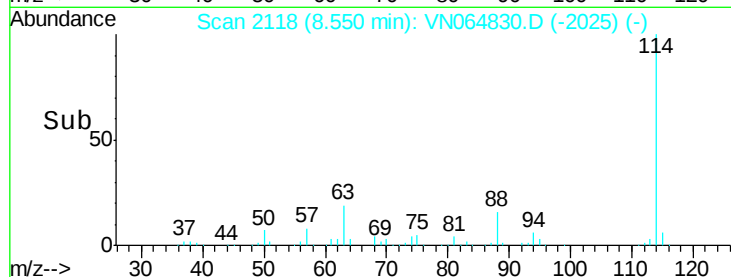
88 15.7 0.0 32.6



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: 52.978 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

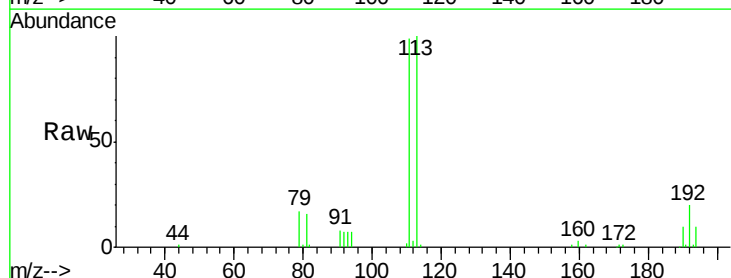
Tgt Ion:113 Resp: 93870

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

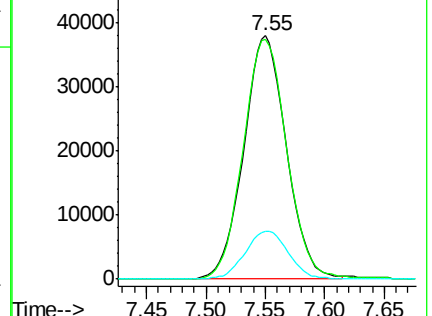
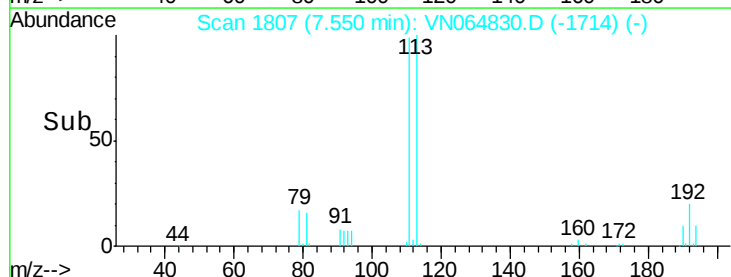
192 20.1 16.2 24.2

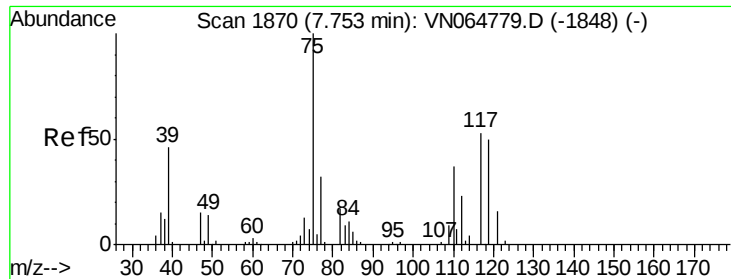


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

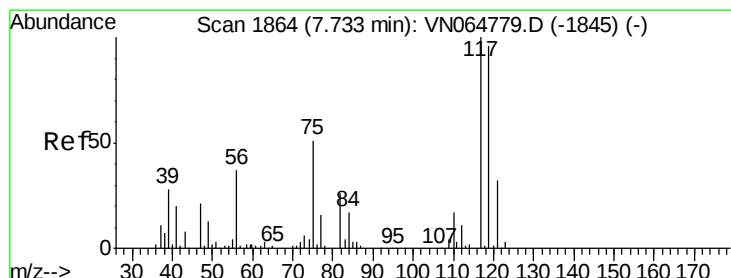
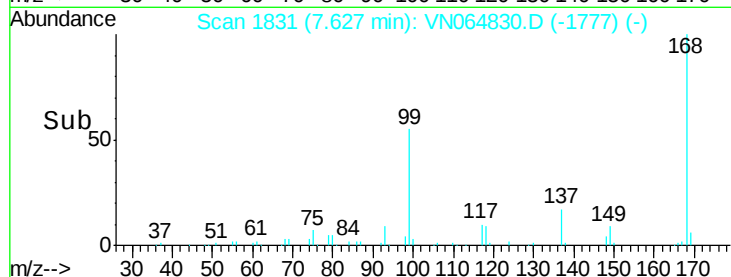
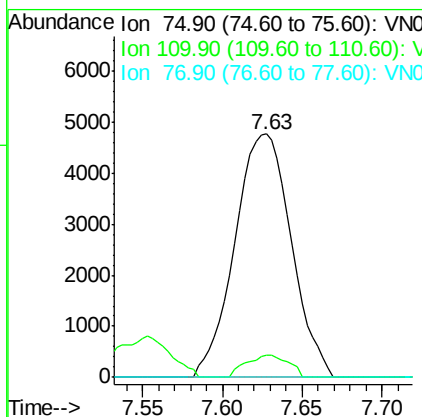
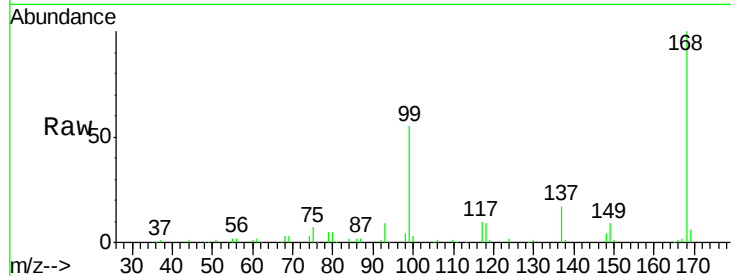




#36
 1,1-Dichloropropene
 Concen: 4.196 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

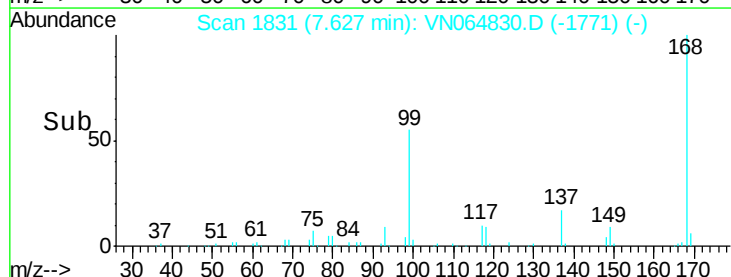
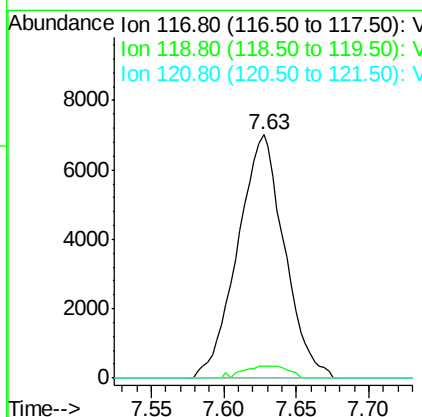
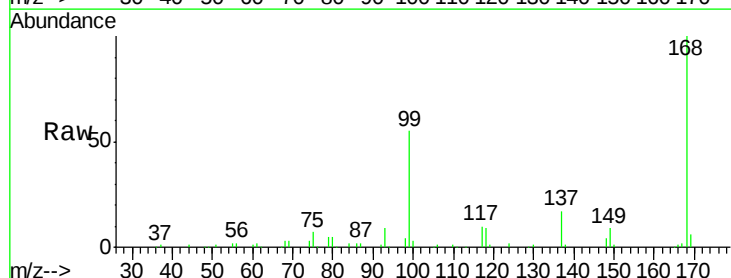
Instrument :
 MSVOA_N
 ClientSampleId :
 20BR-20201118DL

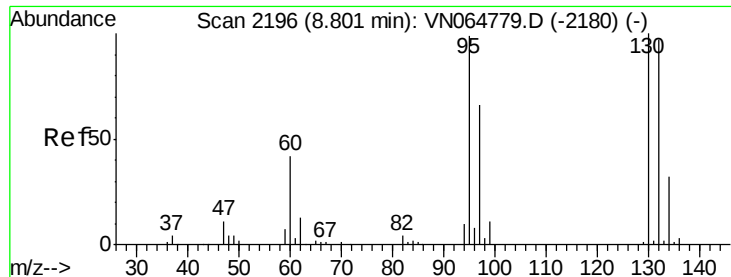
Tot Ion: 75 Resp: 11517
 Ion Ratio Lower Upper
 75 100
 110 6.9 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.515 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

Tgt Ion: 117 Resp: 15750
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.7 115.1#
 121 0.0 25.4 38.2#

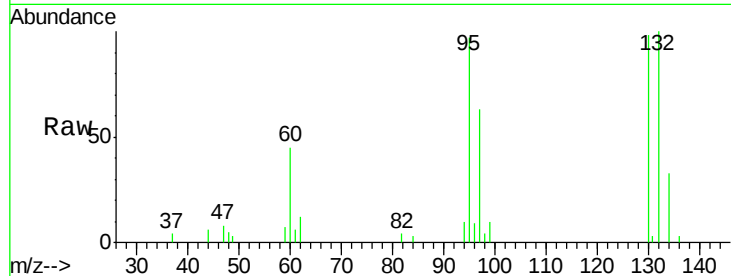




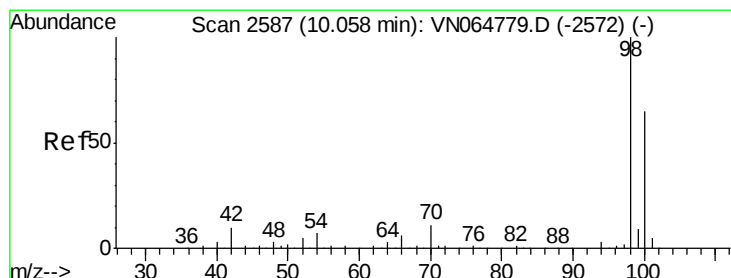
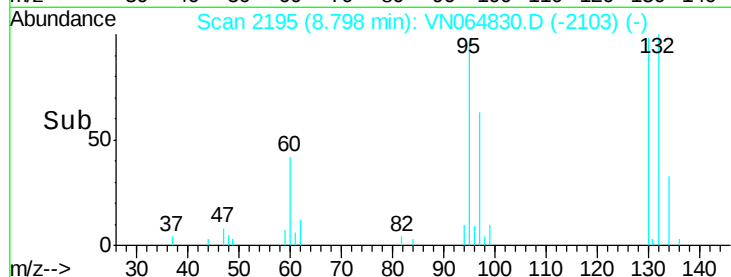
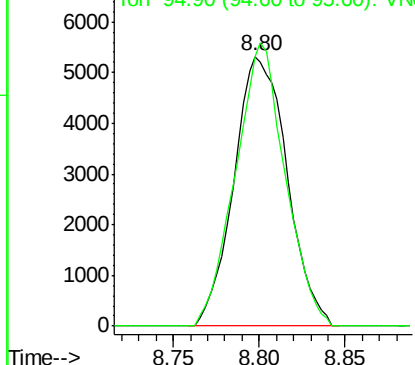
#44
 Trichloroethene
 Concen: 4.592 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 20BR-20201118DL

Tot Ion:130 Resp: 11396
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 197.8

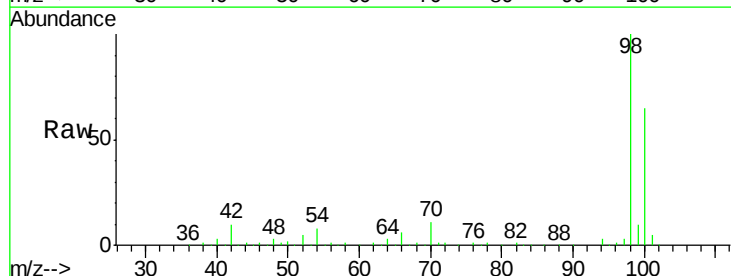


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

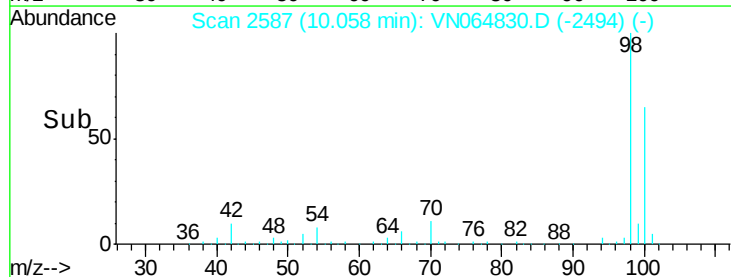
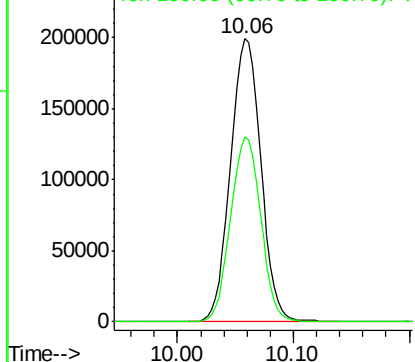


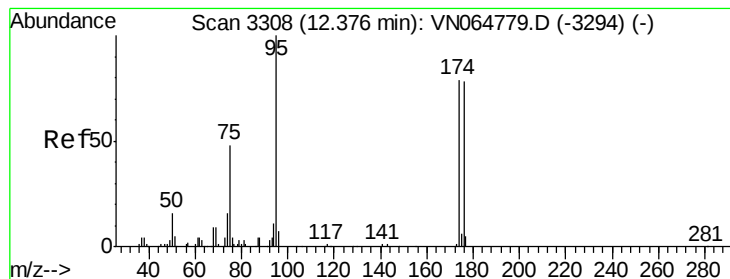
#50
 Toluene-d8
 Concen: 49.959 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

Tgt Ion: 98 Resp: 361690
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 54.228 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

20BR-20201118DL

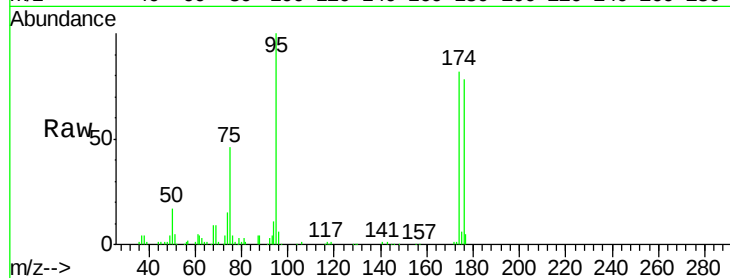
Tot Ion: 95 Resp: 140503

Ion Ratio Lower Upper

95 100

174 82.6 0.0 160.4

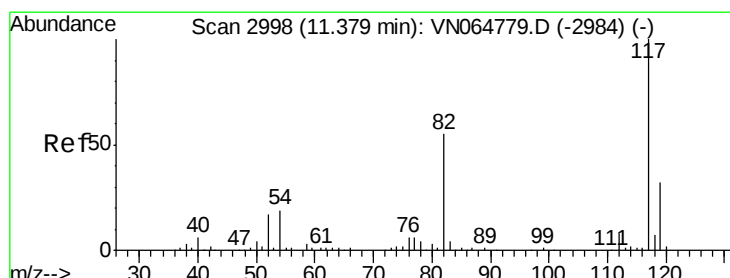
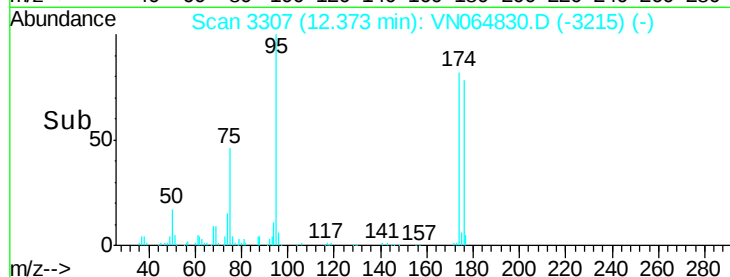
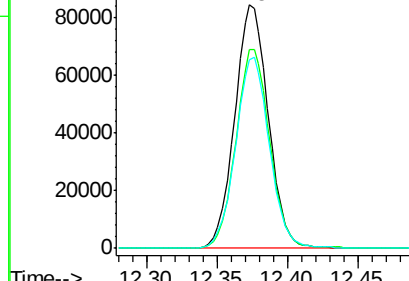
176 79.0 0.0 158.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064830.D

Acq: 24 Nov 2020 23:53

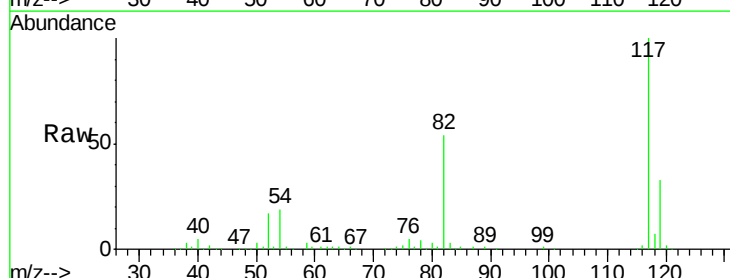
Tgt Ion: 117 Resp: 303586

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

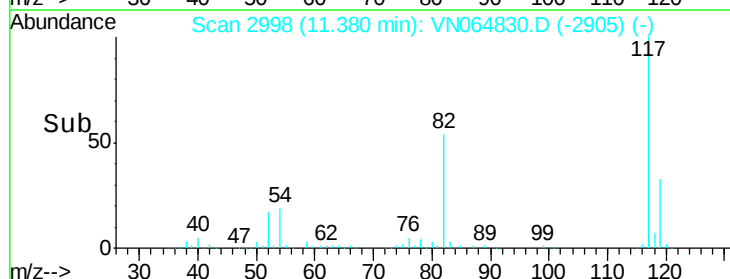
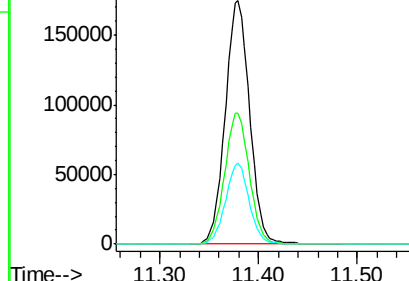
119 33.1 25.8 38.6

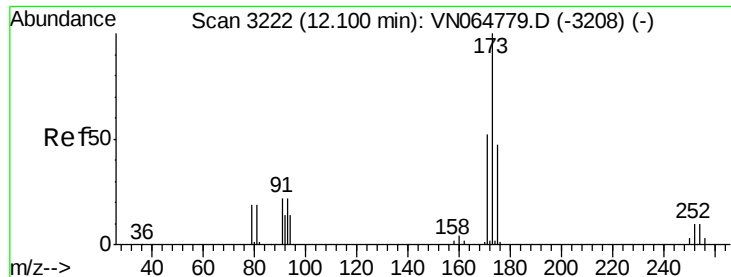


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

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

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

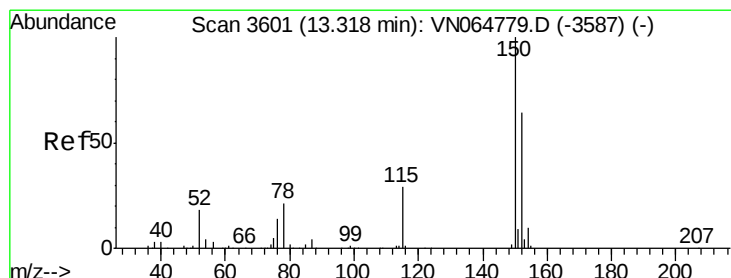
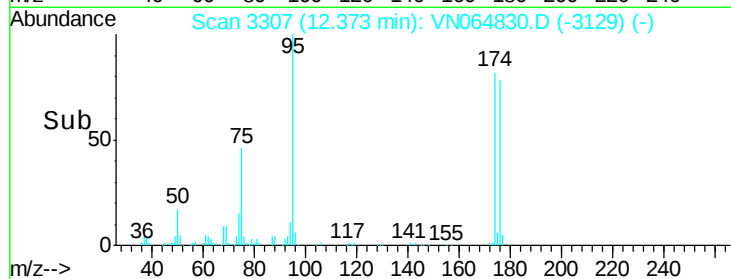
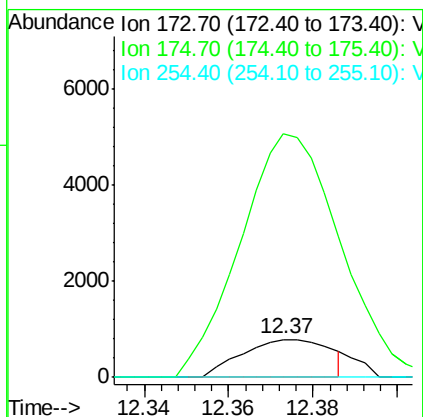
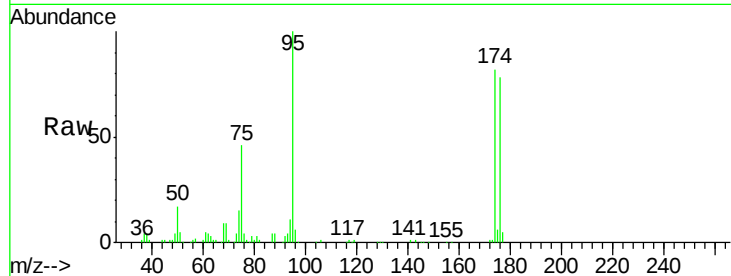




#71
Bromoform
Concen: 0.597 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064830.D
Acq: 24 Nov 2020 23:53

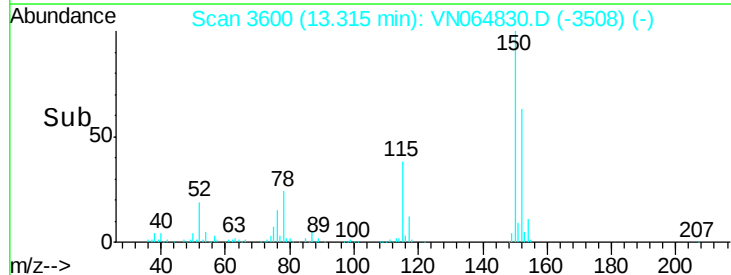
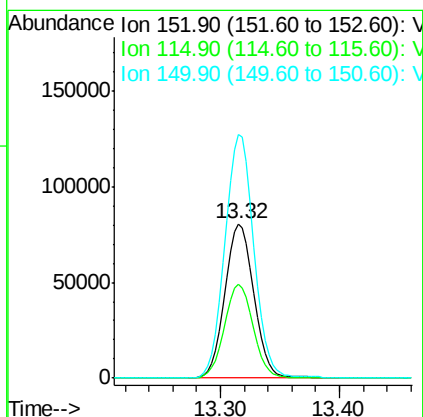
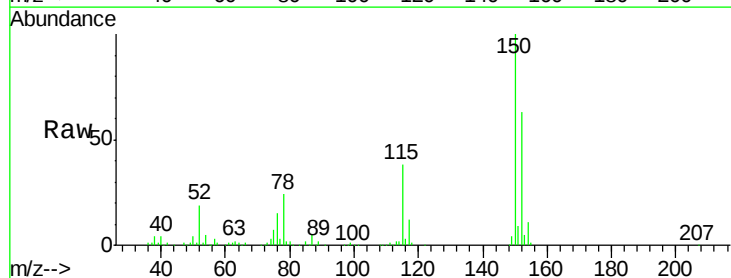
Instrument :
MSVOA_N
ClientSampleId :
20BR-20201118DL

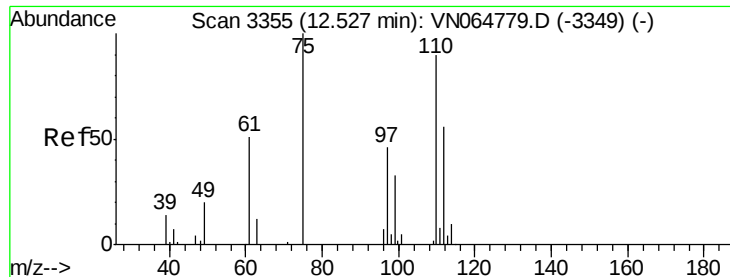
Tot Ion:173 Resp: 1142
Ion Ratio Lower Upper
173 100
175 637.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064830.D
Acq: 24 Nov 2020 23:53

Tgt Ion:152 Resp: 136402
Ion Ratio Lower Upper
152 100
115 60.0 29.7 89.1
150 158.2 0.0 350.6

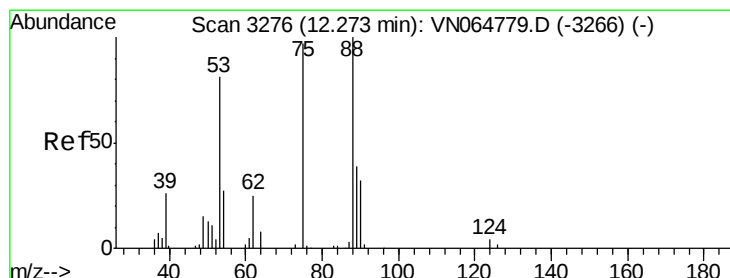
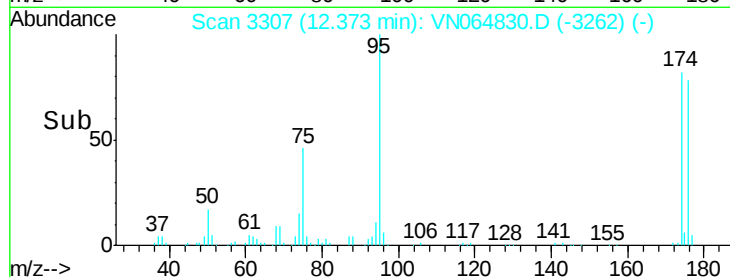
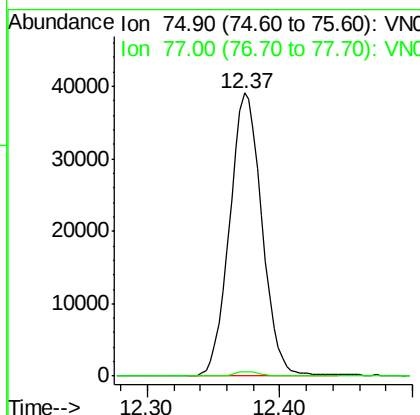
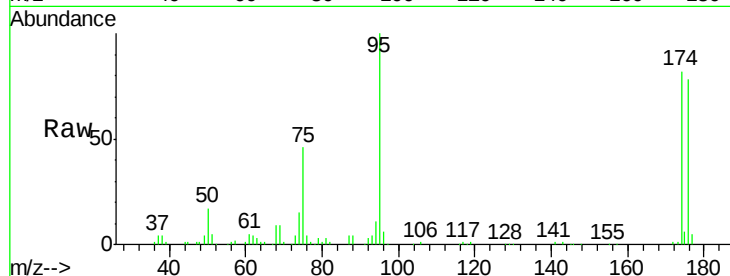




#76
 1,2,3-Trichloropropane
 Concen: 22.564 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 20BR-20201118DL

Tot Ion: 75 Resp: 66281
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.841 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064830.D
 Acq: 24 Nov 2020 23:53

Tgt Ion: 75 Resp: 66281
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

