

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064835.D
 Acq On : 25 Nov 2020 1:54
 Operator : JC/MD
 Sample : L4798-07DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20201118DL

Quant Time: Nov 25 05:59:15 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	158529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	278191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99461	53.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	107.94%		
35) Dibromofluoromethane	7.55	113	90432	54.33	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	108.66%		
50) Toluene-d8	10.06	98	350636	51.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.10%		
62) 4-Bromofluorobenzene	12.38	95	135314	55.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.18%		

Target Compounds

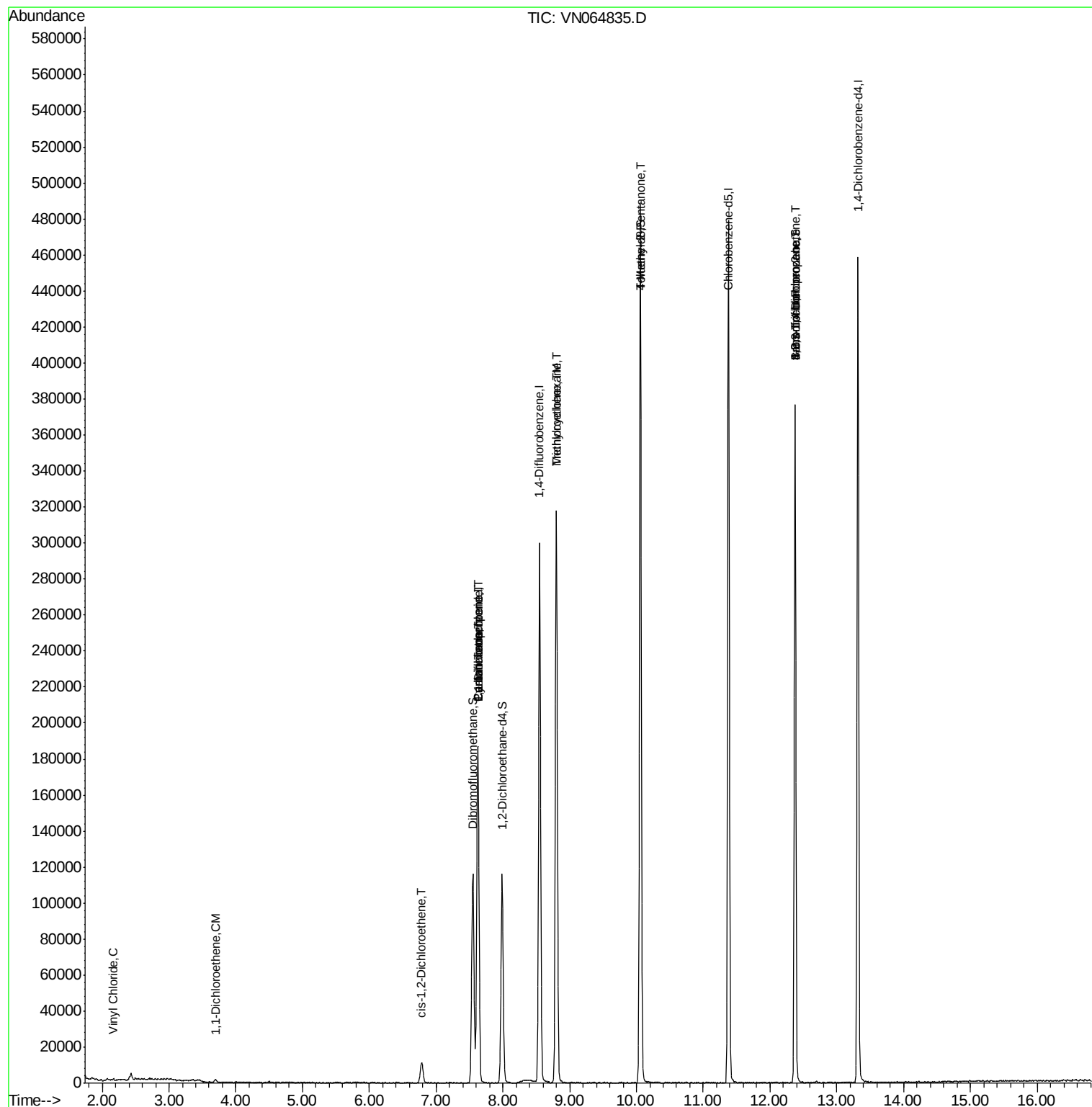
					Qvalue	
4) Vinyl Chloride	2.17	62	534	0.287	ug/l #	80
12) 1,1-Dichloroethene	3.70	96	1007	0.655	ug/l #	62
27) cis-1,2-Dichloroethene	6.78	96	6417	3.341	ug/l	92
31) Cyclohexane	7.62	56	2965	1.154	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	10590	4.107	ug/l #	49
38) Carbon Tetrachloride	7.63	117	14621	5.450	ug/l #	18
39) Methylcyclohexane	8.80	83	1589	0.572	ug/l #	1
44) Trichloroethene	8.80	130	124030	53.200	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1364	0.568	ug/l #	1
71) Bromoform	12.37	173	1201	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	65049	22.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	65049	62.718	ug/l #	15

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064835.D
Acq On : 25 Nov 2020 1:54
Operator : JC/MD
Sample : L4798-07DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleID :
48BR-20201118DL

Quant Time: Nov 25 05:59:15 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: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

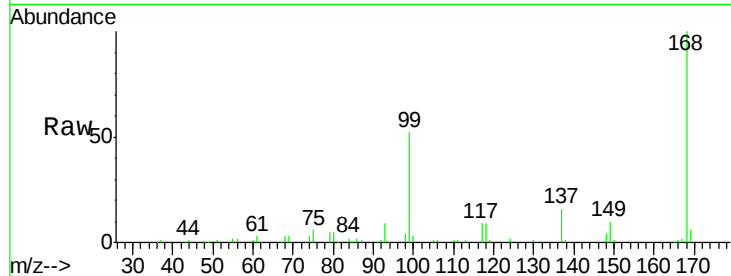
48BR-20201118DL

Tot Ion:168 Resp: 158529

Ion Ratio Lower Upper

168 100

99 51.9 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

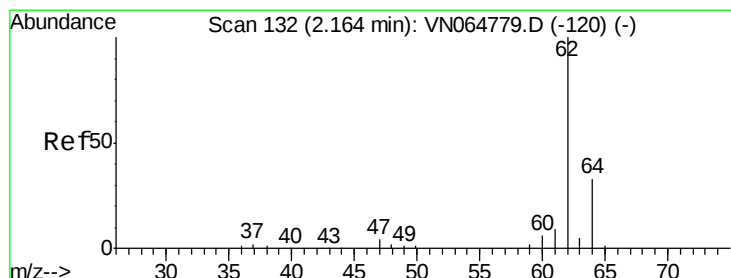
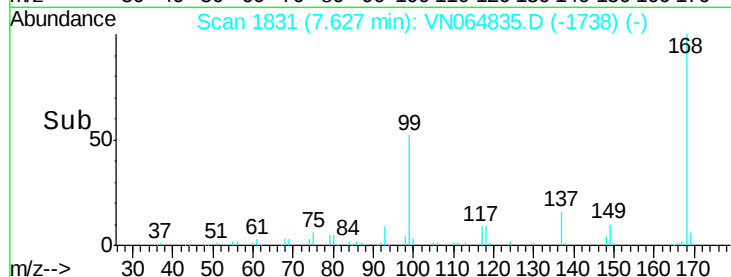
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 0.287 ug/l

RT: 2.17 min Scan# 134

Delta R.T. 0.01 min

Lab File: VN064835.D

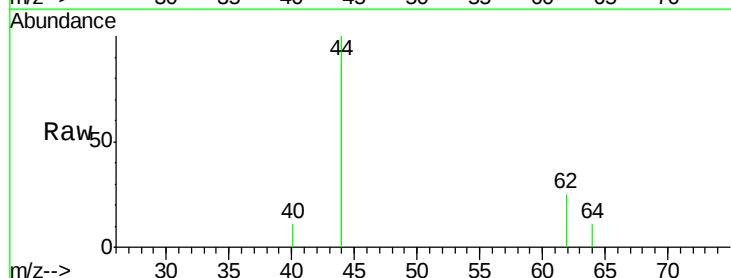
Acq: 25 Nov 2020 1:54

Tgt Ion: 62 Resp: 534

Ion Ratio Lower Upper

62 100

64 44.2 26.5 39.7#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

400

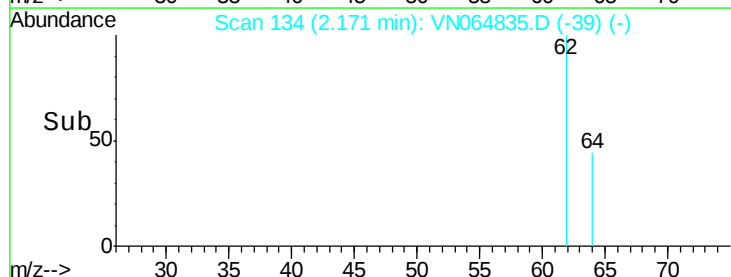
300

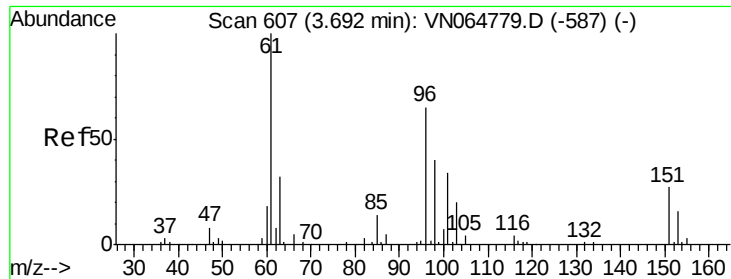
200

100

0

Time--> 2.14 2.16 2.18 2.20





#12

1,1-Dichloroethene

Concen: 0.655 ug/l

RT: 3.70 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

48BR-20201118DL

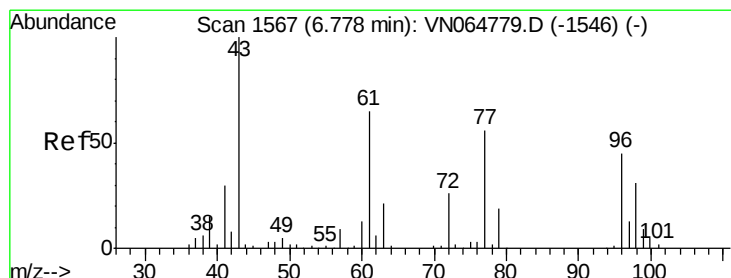
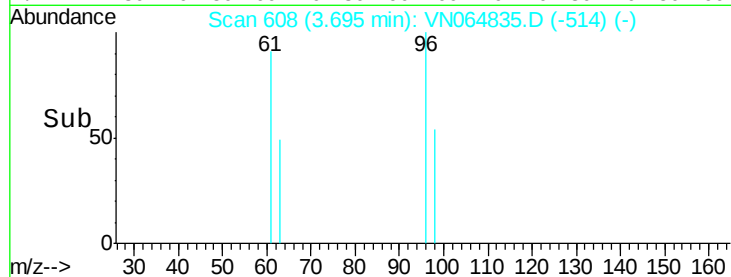
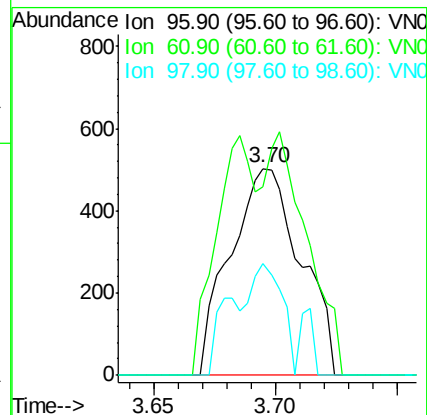
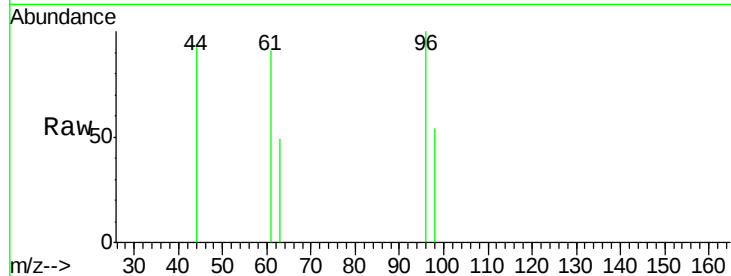
Tot Ion: 96 Resp: 1007

Ion Ratio Lower Upper

96 100

61 91.3 123.4 185.2#

98 53.9 49.8 74.8



#27

cis-1,2-Dichloroethene

Concen: 3.341 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

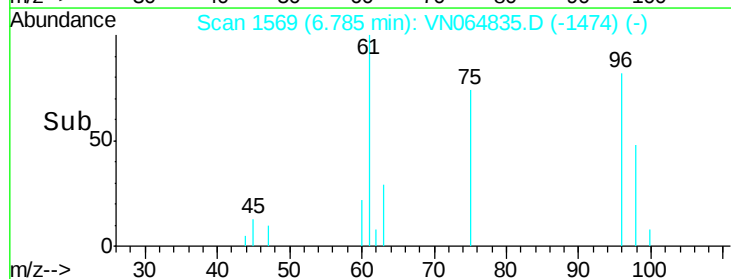
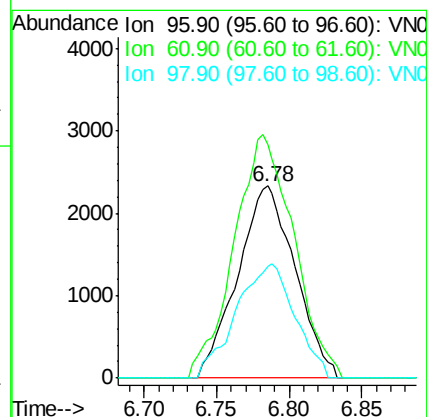
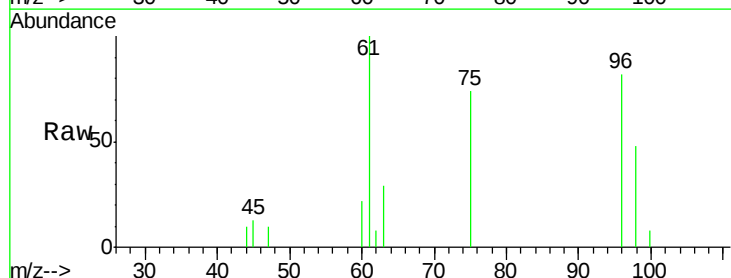
Tgt Ion: 96 Resp: 6417

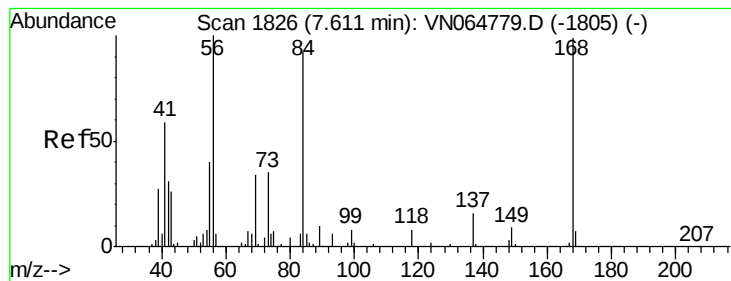
Ion Ratio Lower Upper

96 100

61 131.2 0.0 285.8

98 60.8 0.0 130.6





#31

Cvclohexane

Concen: 1.154 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

48BR-20201118DL

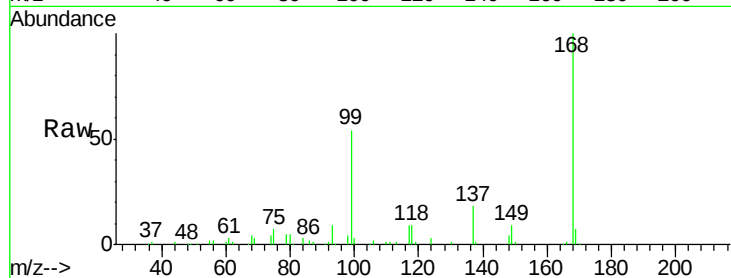
Tot Ion: 56 Resp: 2965

Ion Ratio Lower Upper

56 100

69 154.0 27.5 41.3#

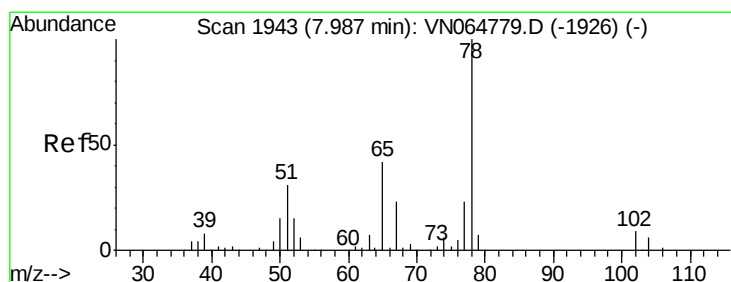
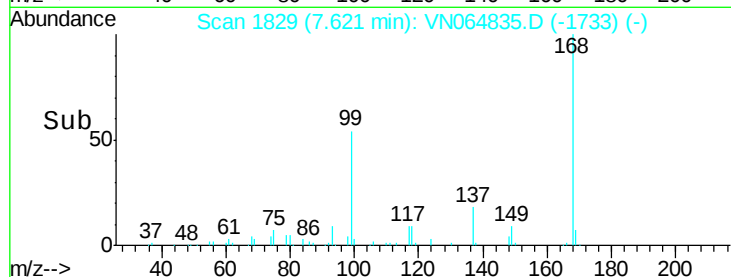
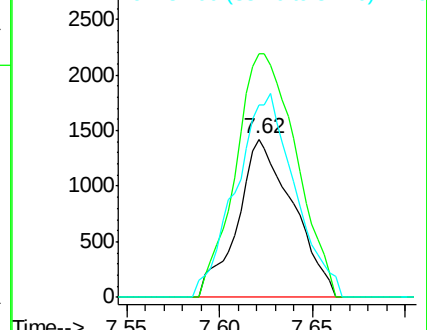
84 121.7 73.9 110.9#



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: 53.967 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064835.D

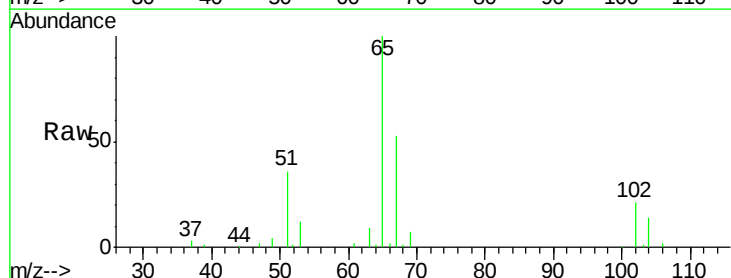
Acq: 25 Nov 2020 1:54

Tgt Ion: 65 Resp: 99461

Ion Ratio Lower Upper

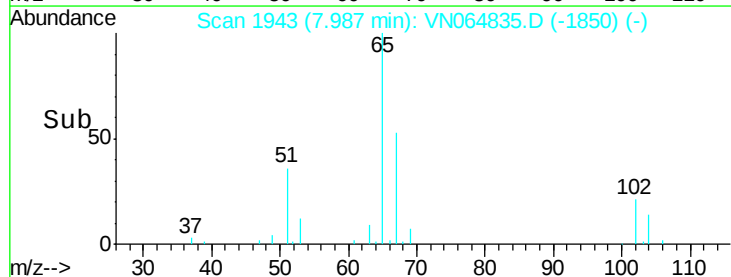
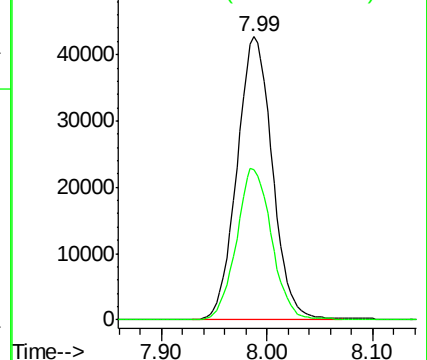
65 100

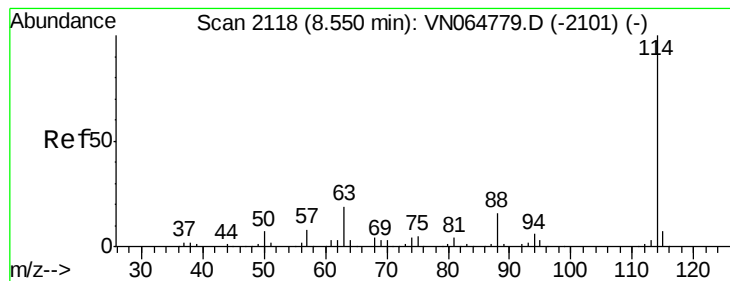
67 53.1 0.0 108.2



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: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

48BR-20201118DL

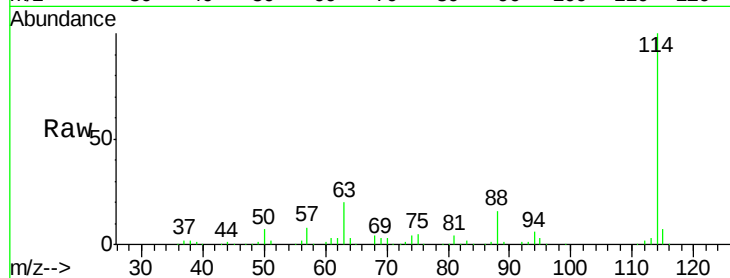
Tot Ion:114 Resp: 278191

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

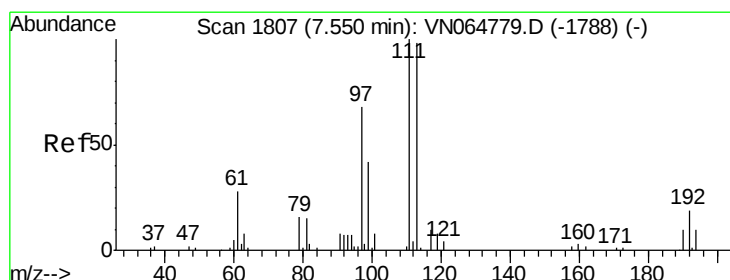
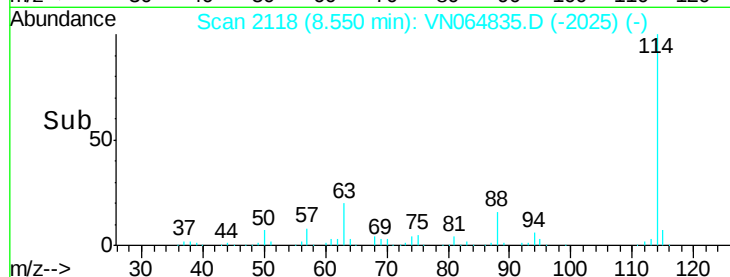
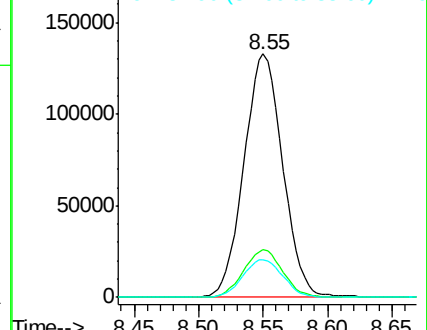
88 15.6 0.0 32.6



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: 54.326 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

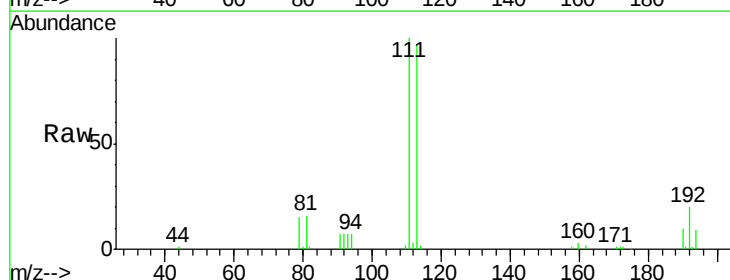
Tgt Ion:113 Resp: 90432

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

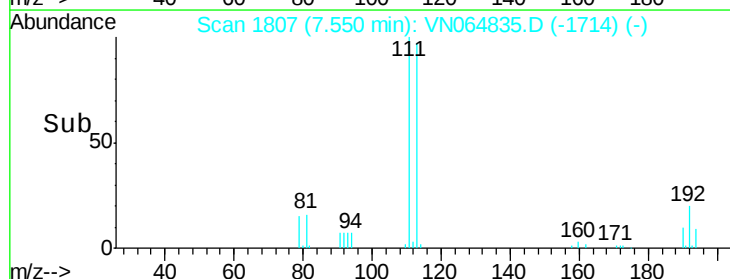
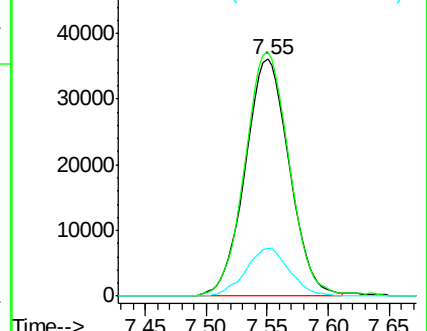
192 19.9 16.2 24.2

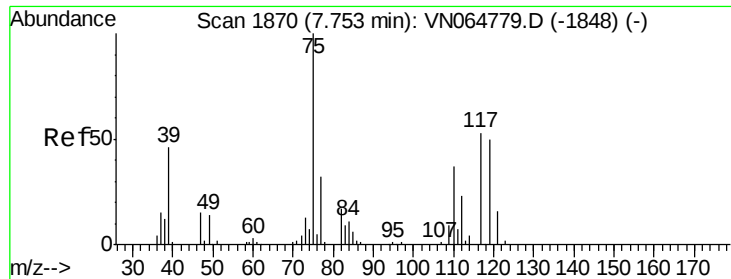


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

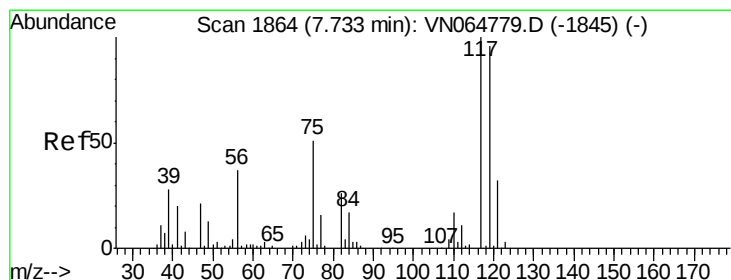
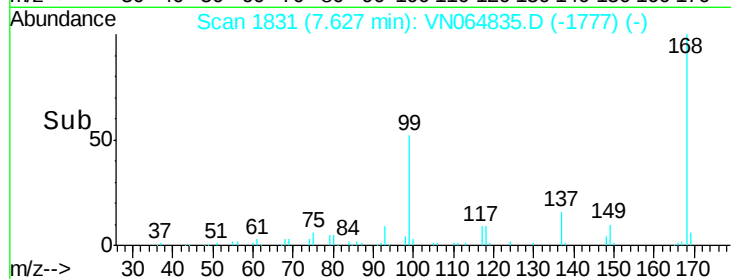
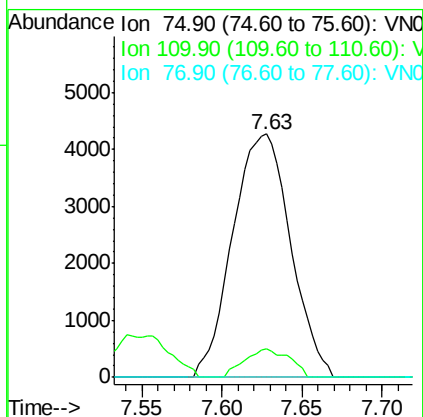
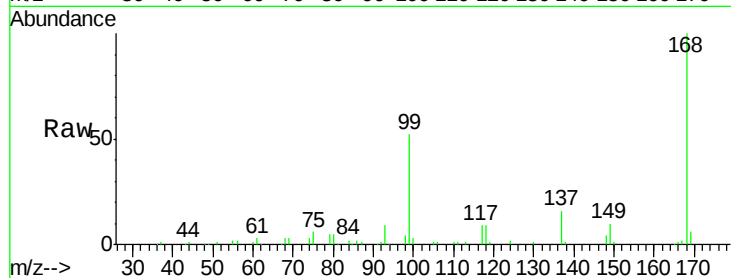




#36
 1,1-Dichloropropene
 Concen: 4.107 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064835.D
 Acq: 25 Nov 2020 1:54

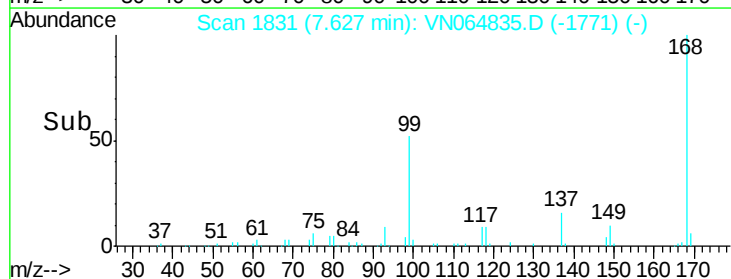
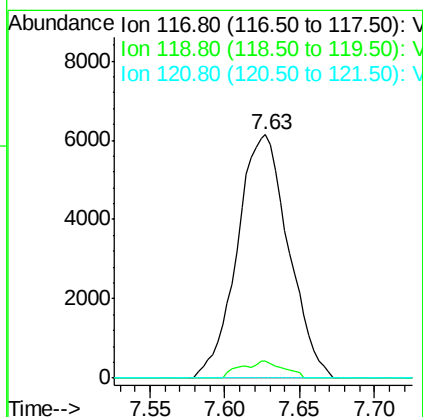
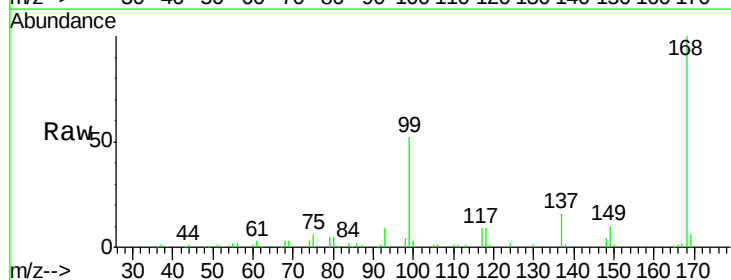
Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20201118DL

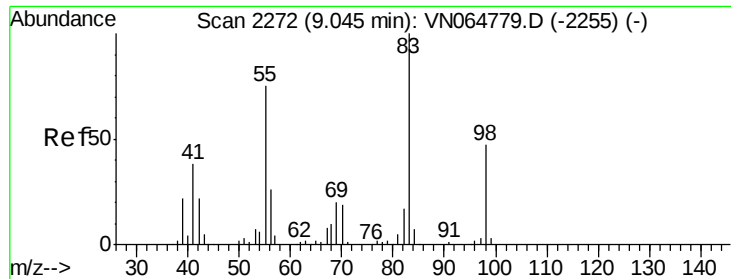
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.3#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.450 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064835.D
 Acq: 25 Nov 2020 1:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.7	115.1#
121	0.0	25.4	38.2#

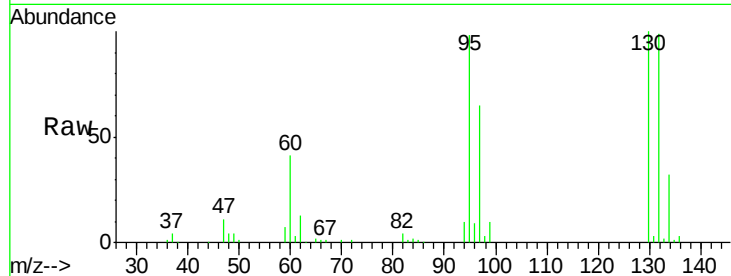




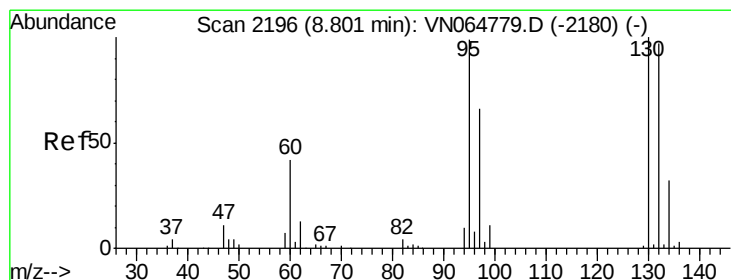
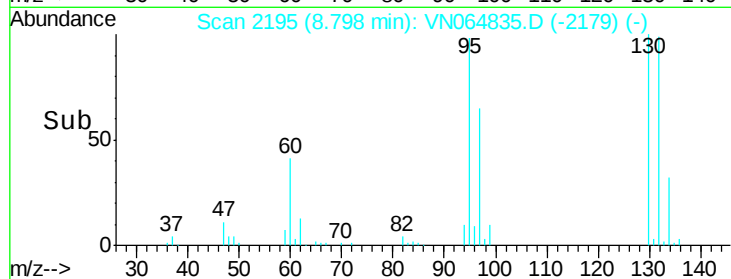
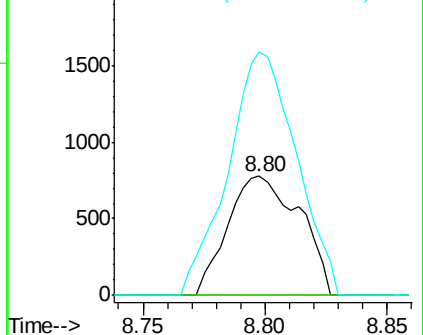
#39
Methvlcvclohexane
Concen: 0.572 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN064835.D
Acq: 25 Nov 2020 1:54

Instrument :
MSVOA_N
ClientSampleId :
48BR-20201118DL

Tot Ion: 83 Resp: 1589
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 204.6 37.4 56.2#

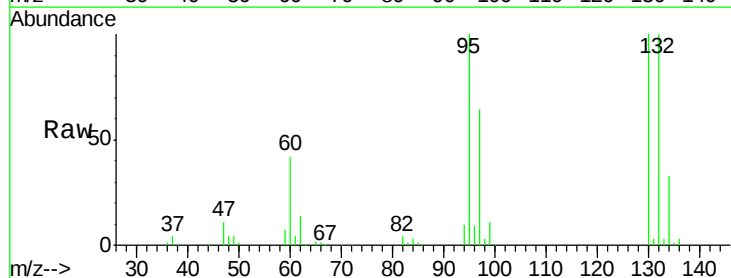


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

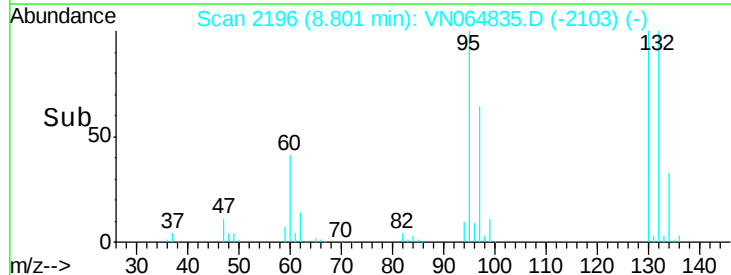
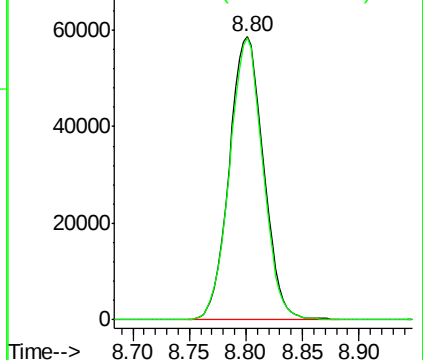


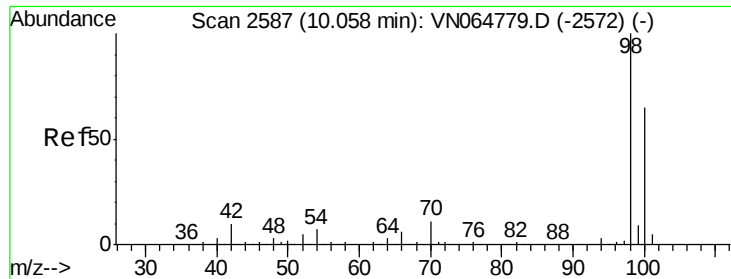
#44
Trichloroethene
Concen: 53.200 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064835.D
Acq: 25 Nov 2020 1:54

Tgt Ion:130 Resp: 124030
Ion Ratio Lower Upper
130 100
95 99.7 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: 51.553 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

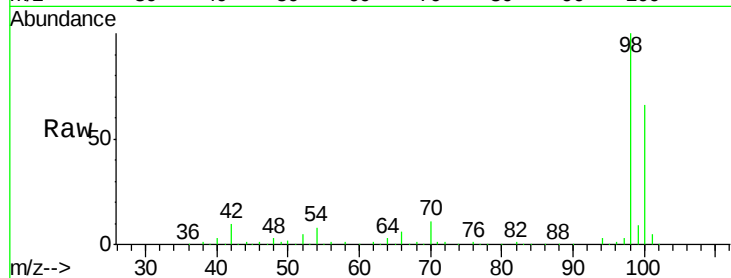
48BR-20201118DL

Tot Ion: 98 Resp: 350636

Ion Ratio Lower Upper

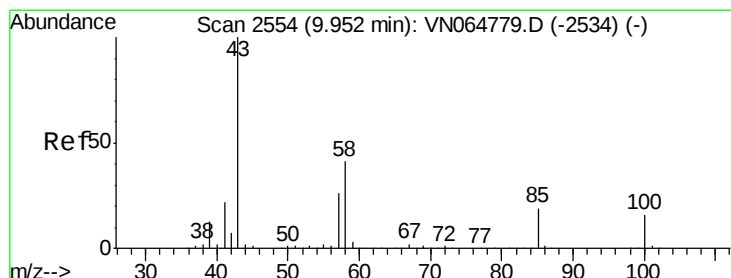
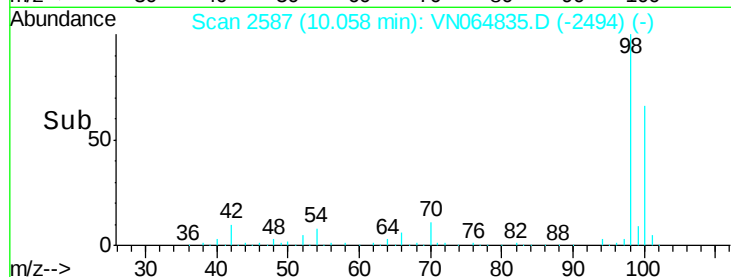
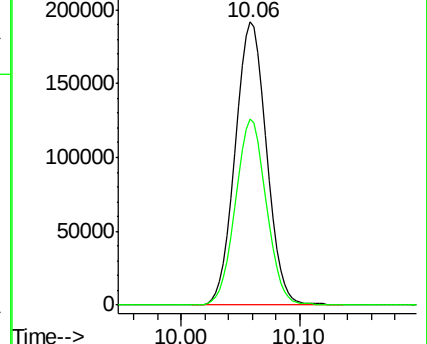
98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.568 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064835.D

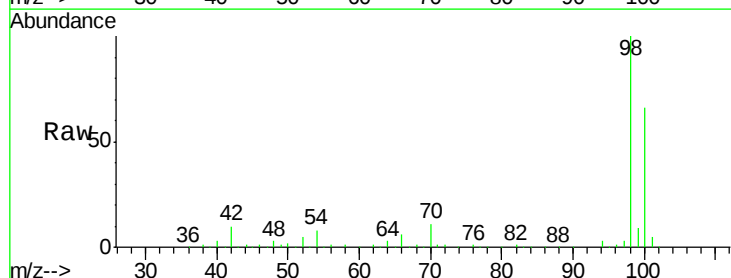
Acq: 25 Nov 2020 1:54

Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

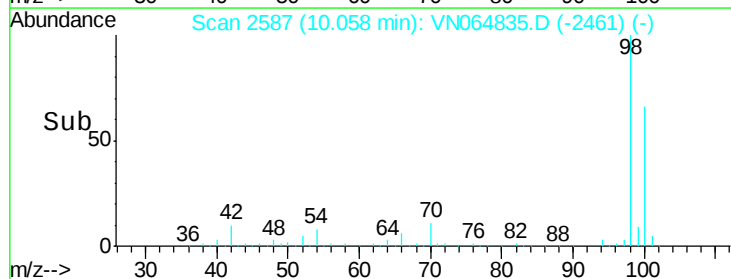
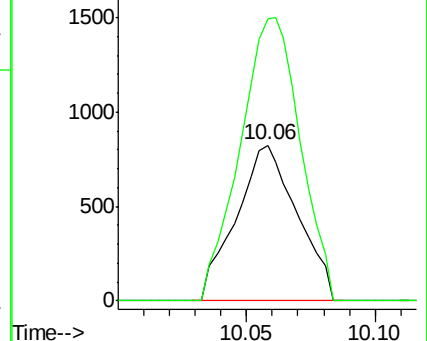
43 100

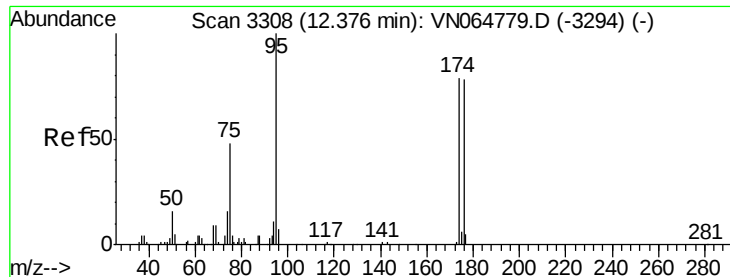
58 179.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

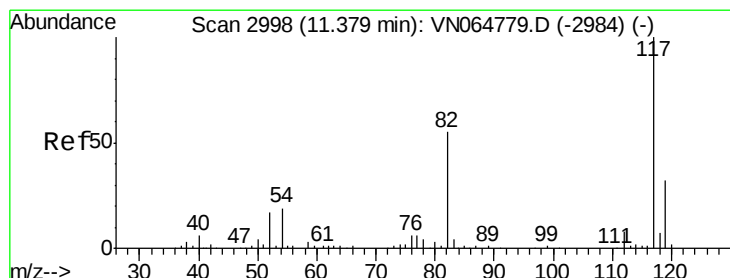
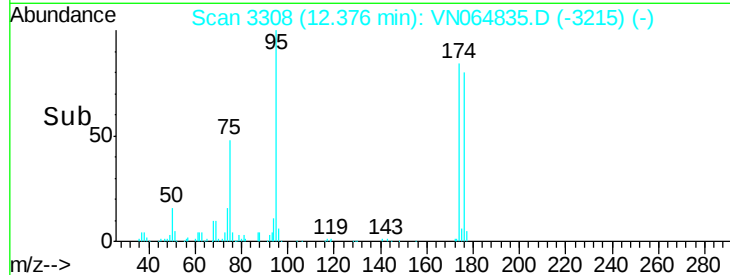
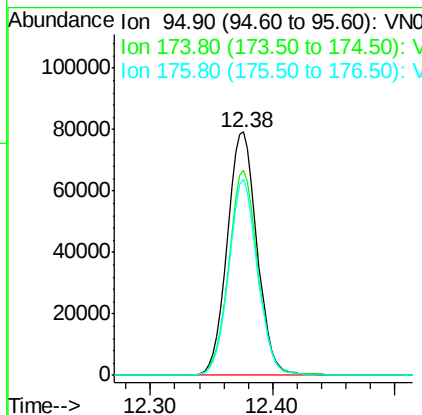
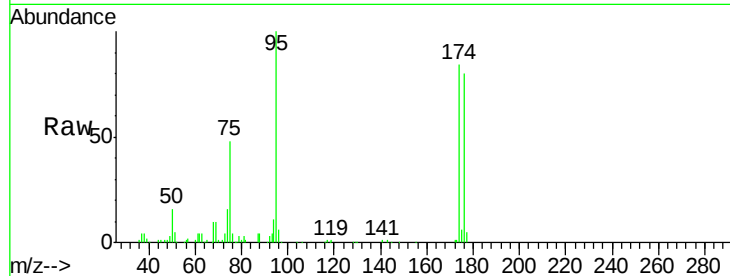




#62
4-Bromofluorobenzene
Concen: 55.591 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064835.D
Acq: 25 Nov 2020 1:54

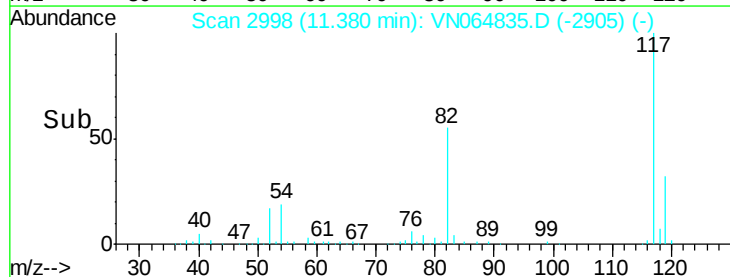
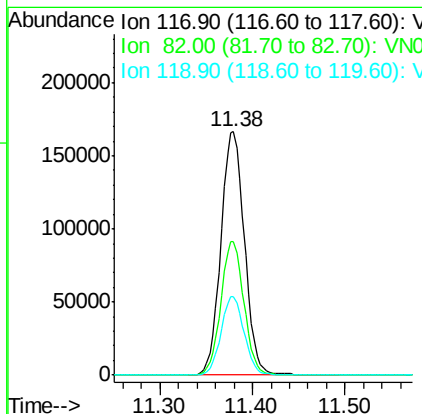
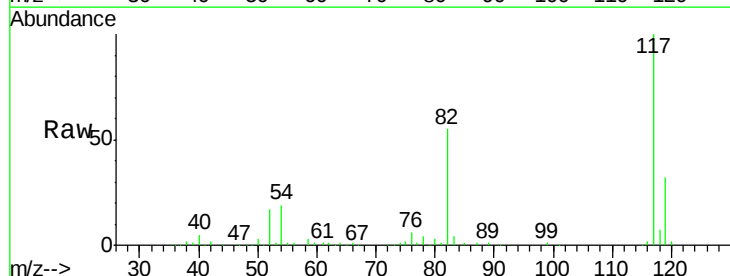
Instrument :
MSVOA_N
ClientSampleId :
48BR-20201118DL

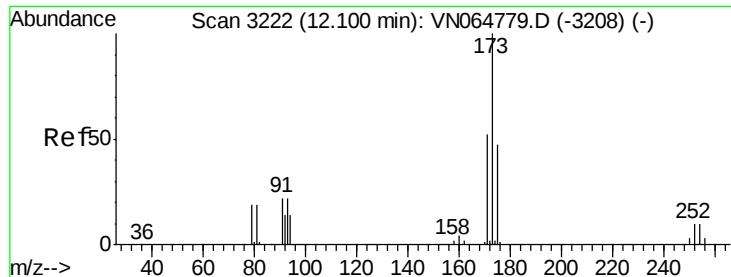
Tot Ion: 95 Resp: 135314
Ion Ratio Lower Upper
95 100
174 82.3 0.0 160.4
176 77.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064835.D
Acq: 25 Nov 2020 1:54

Tgt Ion: 117 Resp: 293187
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.0 25.8 38.6





#71

Bromoform

Concen: 0.650 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064835.D

Acq: 25 Nov 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

48BR-20201118DL

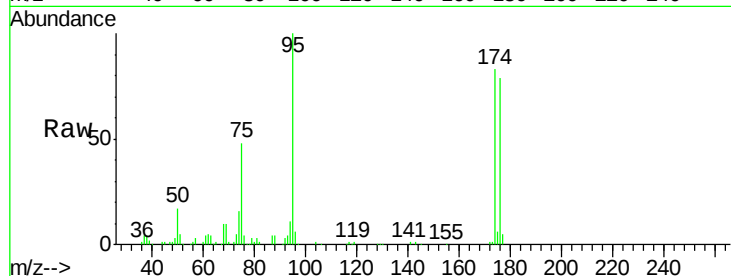
Tot Ion:173 Resp: 1201

Ion Ratio Lower Upper

173 100

175 585.8 24.3 72.8#

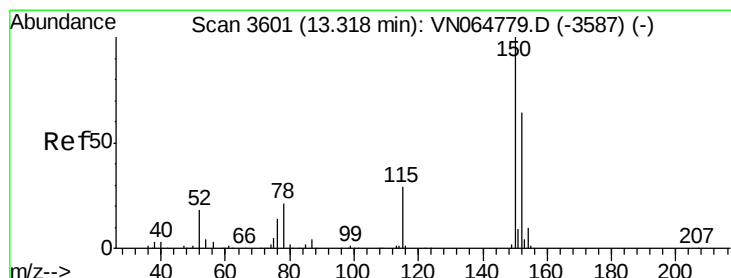
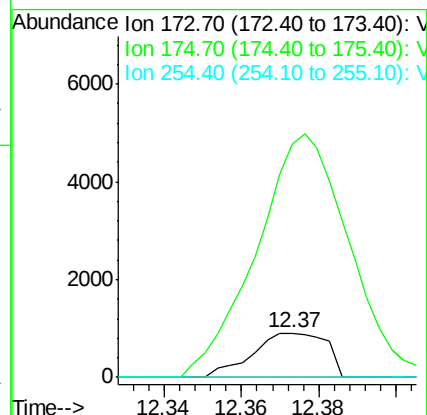
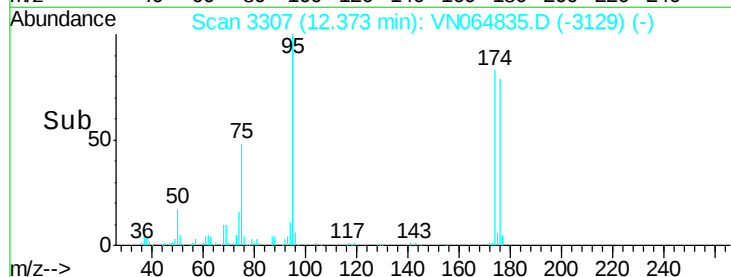
254 0.0 0.0 0.0



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: VN064835.D

Acq: 25 Nov 2020 1:54

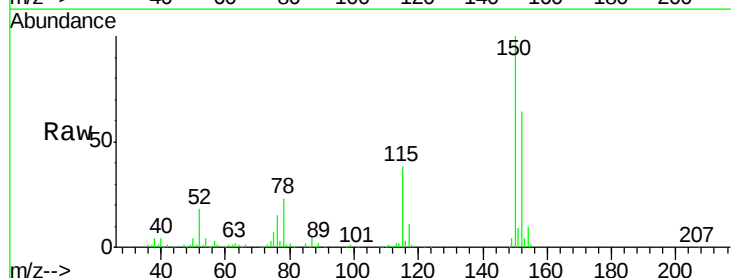
Tgt Ion:152 Resp: 131996

Ion Ratio Lower Upper

152 100

115 57.8 29.7 89.1

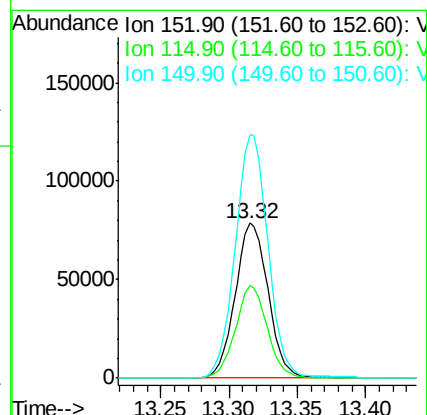
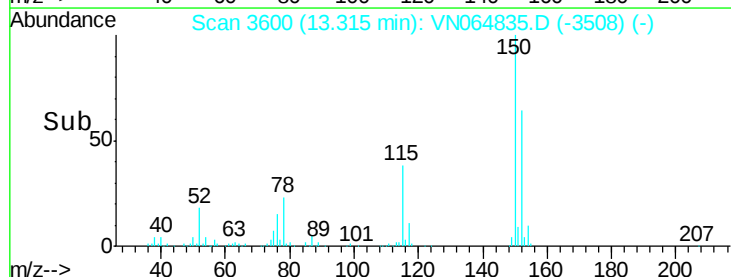
150 155.8 0.0 350.6

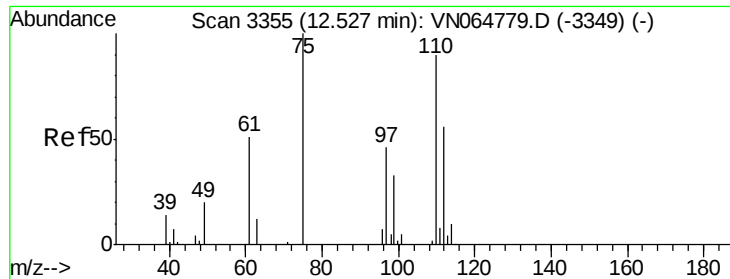


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

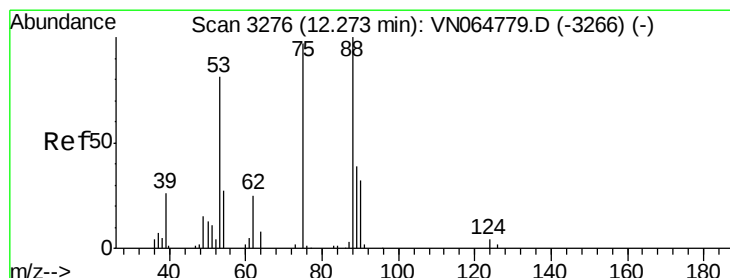
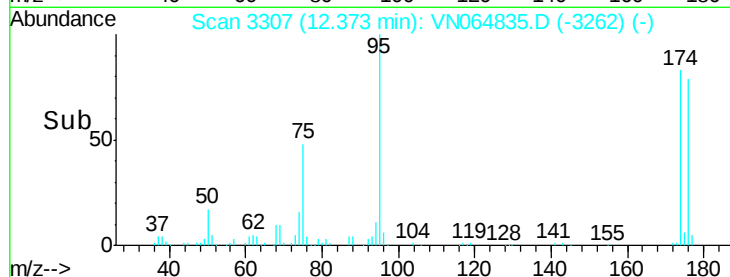
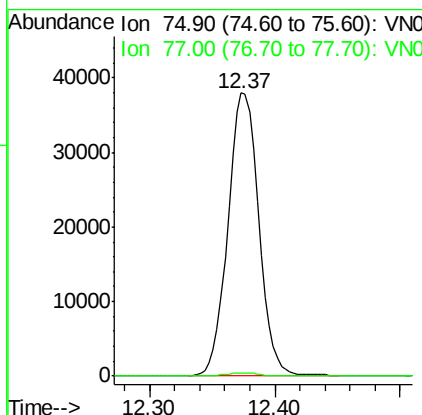
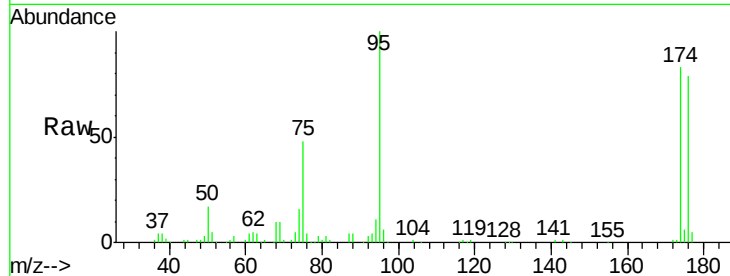




#76
 1,2,3-Trichloropropane
 Concen: 22.883 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064835.D
 Acq: 25 Nov 2020 1:54

Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20201118DL

Tot Ion: 75 Resp: 65049
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.718 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064835.D
 Acq: 25 Nov 2020 1:54

Tgt Ion: 75 Resp: 65049
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

