

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064793.D
 Acq On : 23 Nov 2020 19:11
 Operator : JC/MD
 Sample : L4829-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Nov 24 03:24:16 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	151317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	278871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	96674	54.95	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.90%
35) Dibromofluoromethane	7.55	113	87437	53.86	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.72%
50) Toluene-d8	10.06	98	338364	51.01	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.02%
62) 4-Bromofluorobenzene	12.38	95	128770	54.24	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.48%

Target Compounds

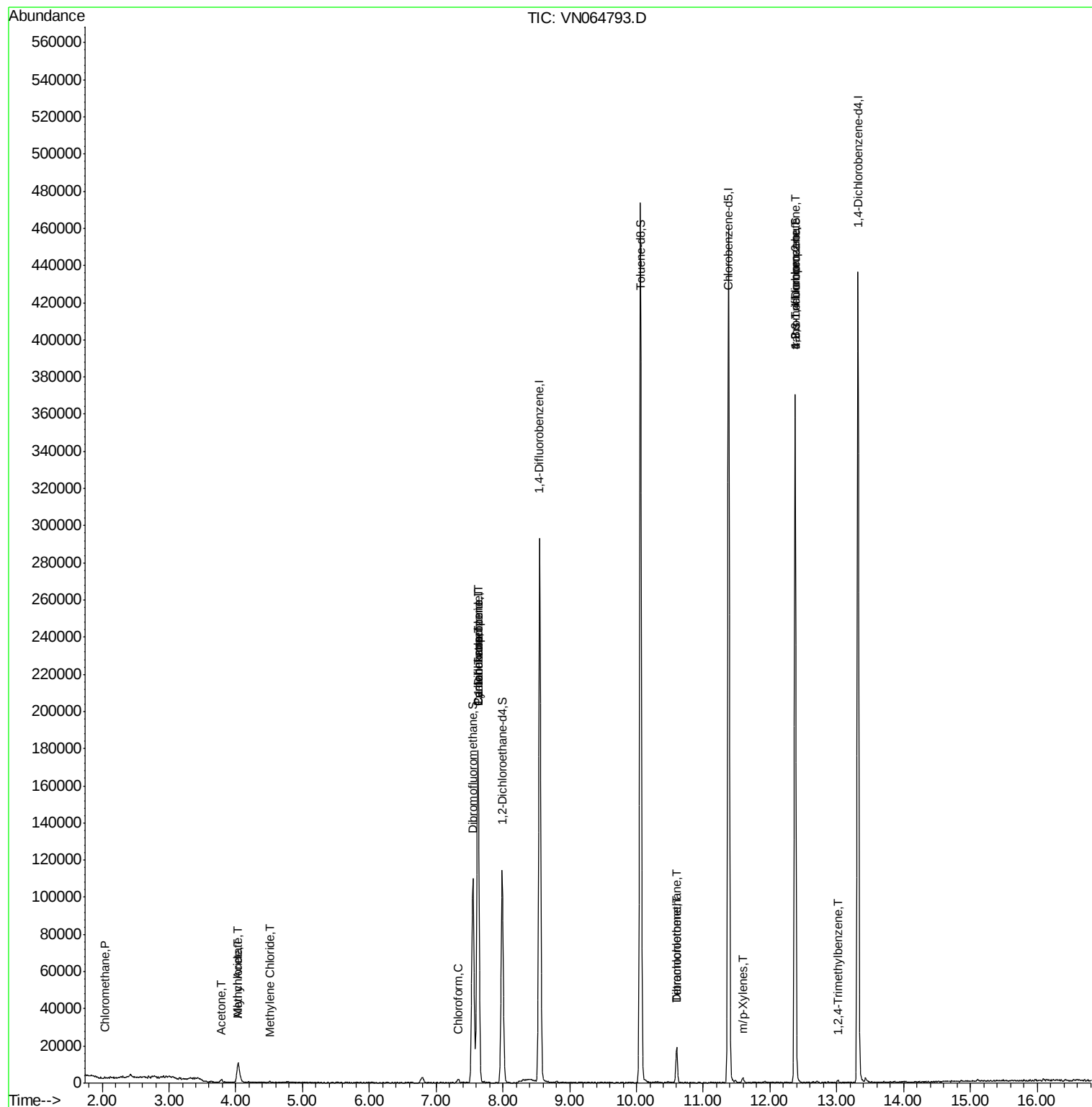
					Qvalue	
3) Chloromethane	2.04	50	379	0.222	ug/l #	41
14) Allyl chloride	4.04	41	1483	0.613	ug/l #	77
16) Acetone	3.79	43	2191	3.789	ug/l	93
18) Methyl Acetate	4.03	43	4242	2.440	ug/l #	50
20) Methylene Chloride	4.50	84	368	0.203	ug/l #	46
30) Chloroform	7.33	83	2416	0.809	ug/l	87
31) Cyclohexane	7.63	56	2715	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11042	4.391	ug/l #	46
38) Carbon Tetrachloride	7.63	117	14284	5.459	ug/l #	17
60) Dibromochloromethane	10.60	129	4530	2.088	ug/l #	10
64) Tetrachloroethene	10.60	164	4721	1.740	ug/l	95
68) m/p-Xylenes	11.60	106	1436	0.379	ug/l	87
76) 1,2,3-Trichloropropane	12.38	75	61408	23.215	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61408	63.627	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	1454	0.203	ug/l	83

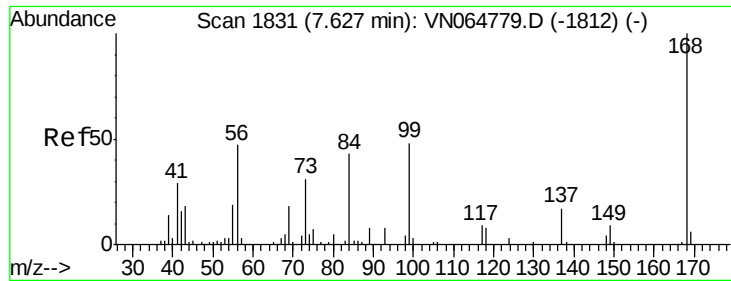
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064793.D

Acq: 23 Nov 2020 19:11

Instrument :

MSVOA_N

ClientSampled :

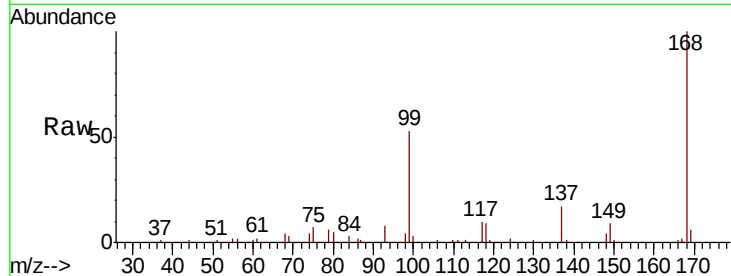
MW-15

Tot Ion:168 Resp: 151317

Ion Ratio Lower Upper

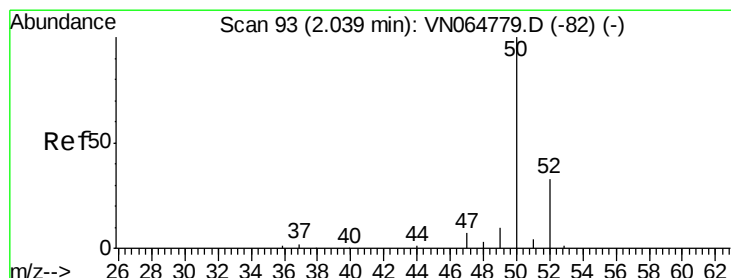
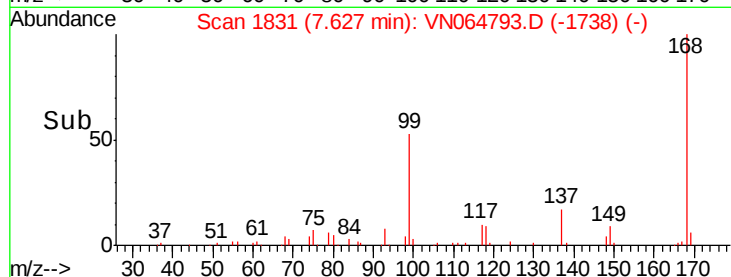
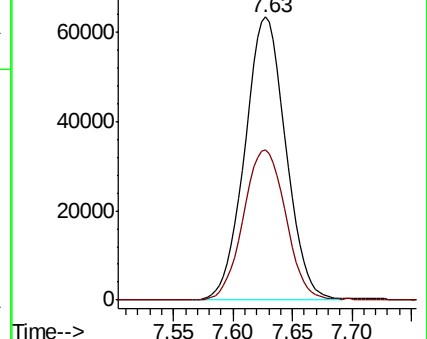
168 100

99 53.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.222 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064793.D

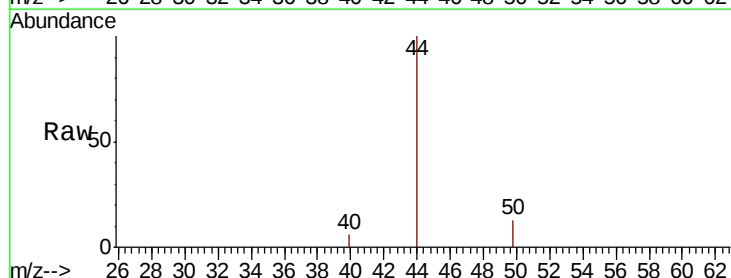
Acq: 23 Nov 2020 19:11

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

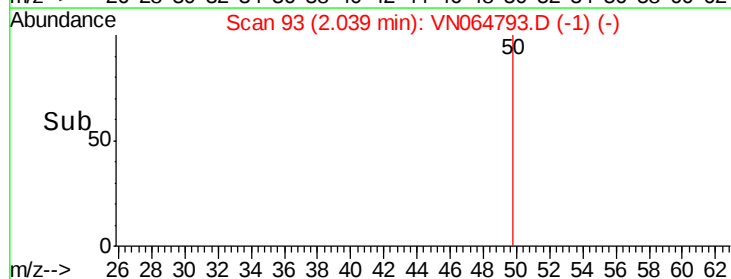
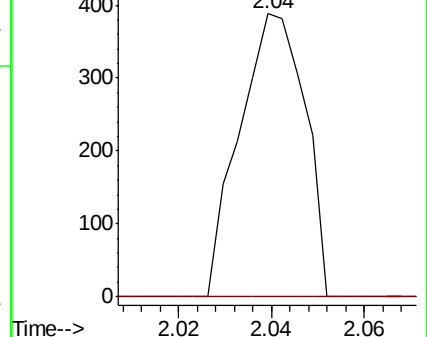
50 100

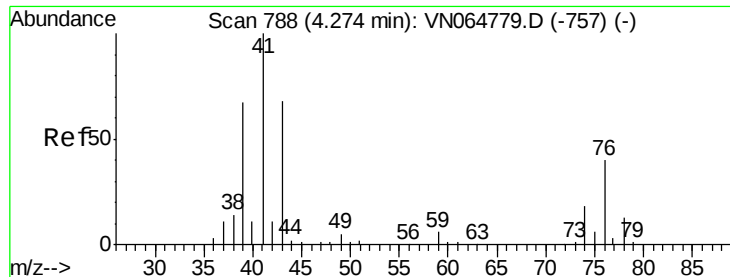
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

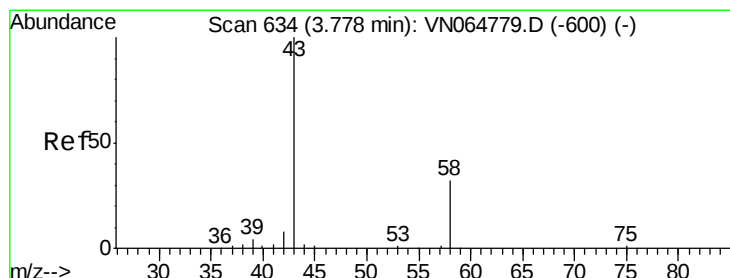
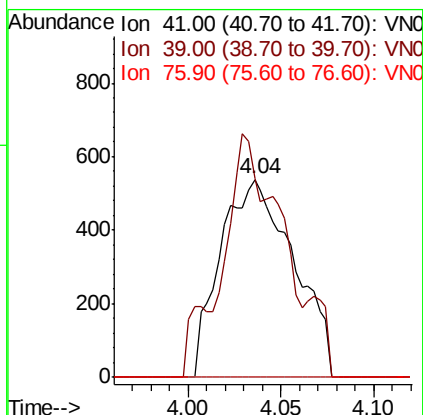
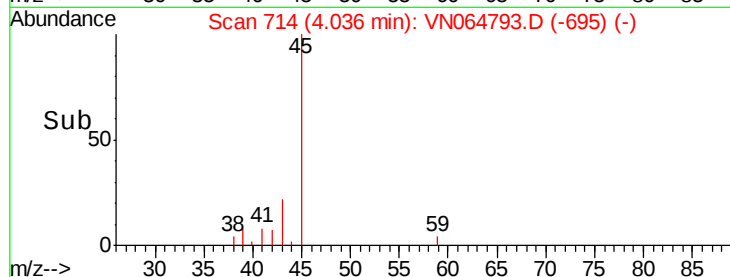
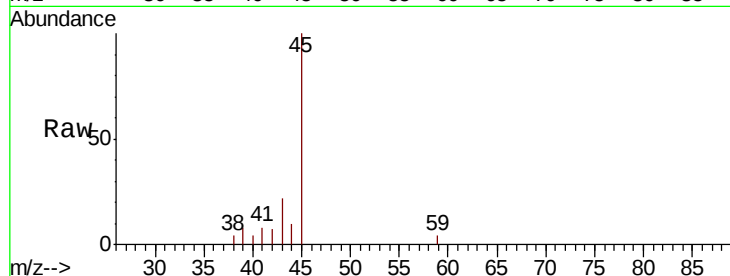




#14
Allvl chloride
Concen: 0.613 ug/l
RT: 4.04 min Scan# 714
Delta R.T. -0.24 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

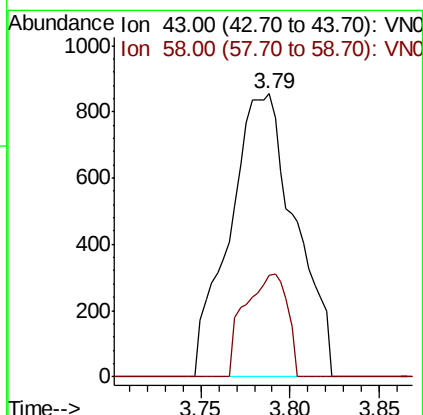
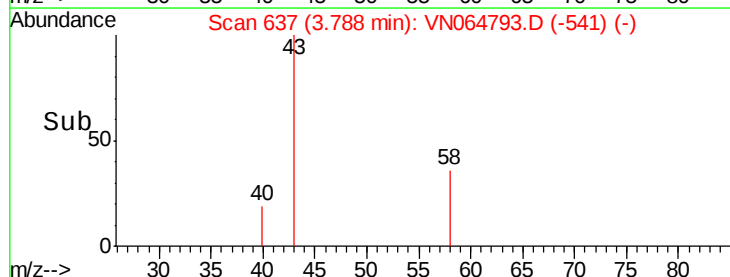
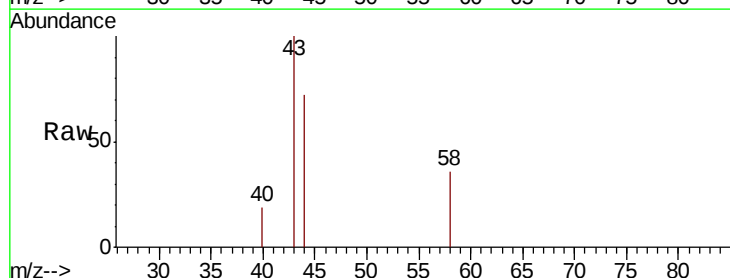
Instrument :
MSVOA_N
ClientSampled :
MW-15

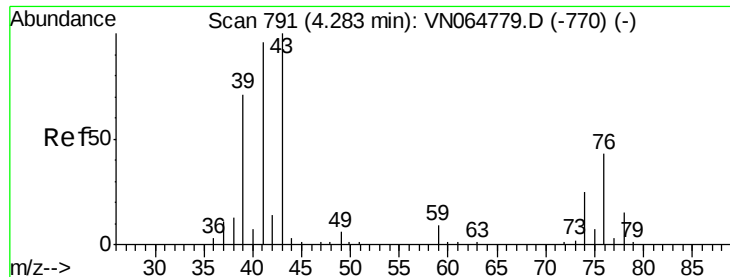
Tot Ion: 41 Resp: 1483
Ion Ratio Lower Upper
41 100
39 63.3 50.9 76.3
76 0.0 29.0 43.4#



#16
Acetone
Concen: 3.789 ug/l
RT: 3.79 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 35.9 25.7 38.5

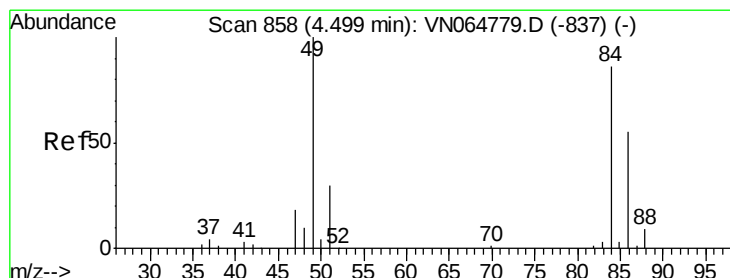
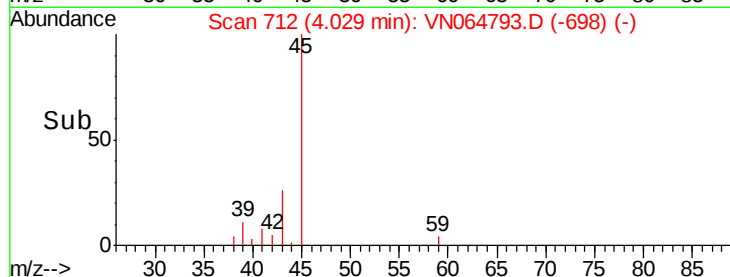
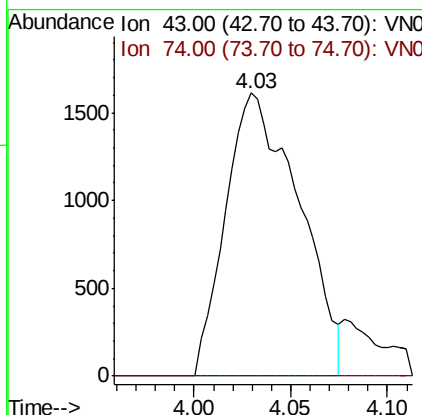
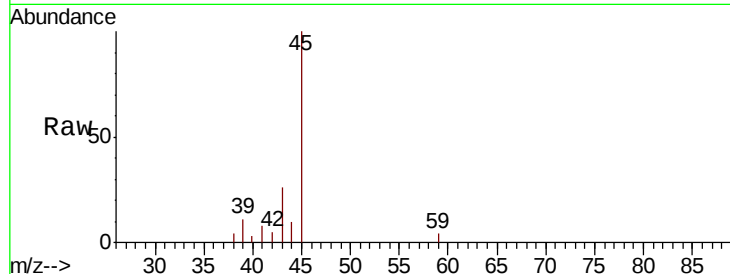




#18
Methyl Acetate
Concen: 2.440 ug/l
RT: 4.03 min Scan# 712
Delta R.T. -0.25 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

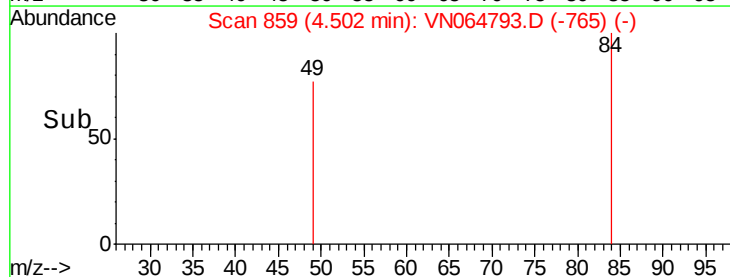
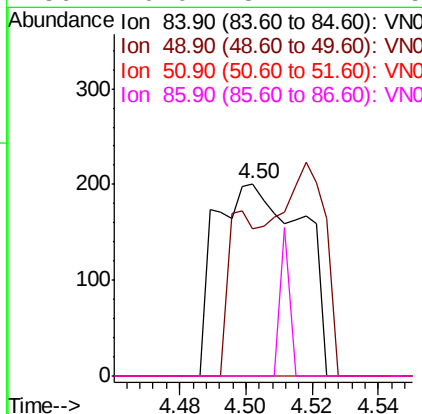
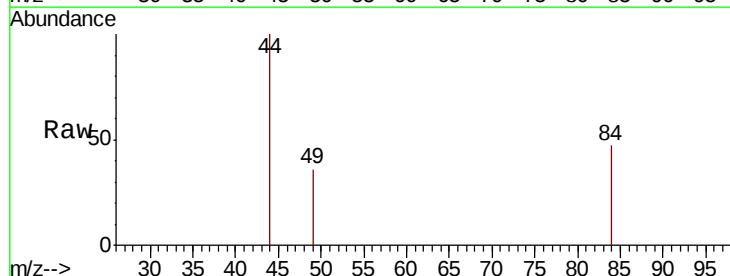
Instrument :
MSVOA_N
ClientSampled :
MW-15

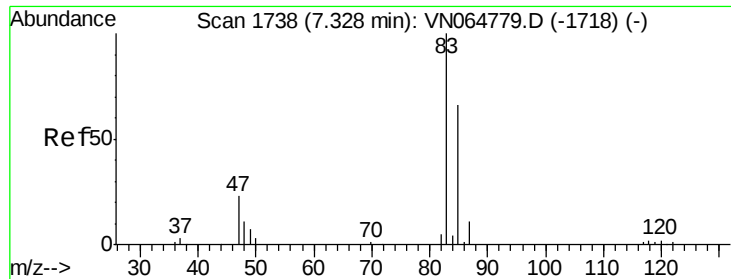
Tot Ion: 43 Resp: 4242
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Tgt Ion: 84 Resp: 368
Ion Ratio Lower Upper
84 100
49 76.6 93.4 140.0#
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#

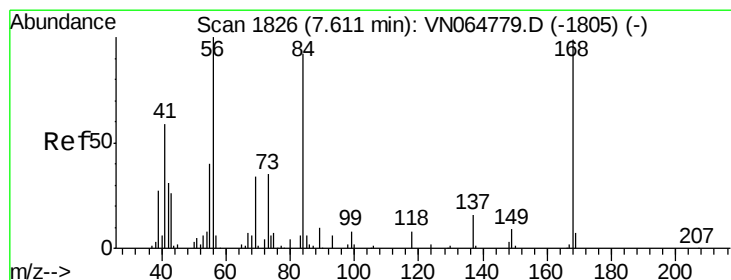
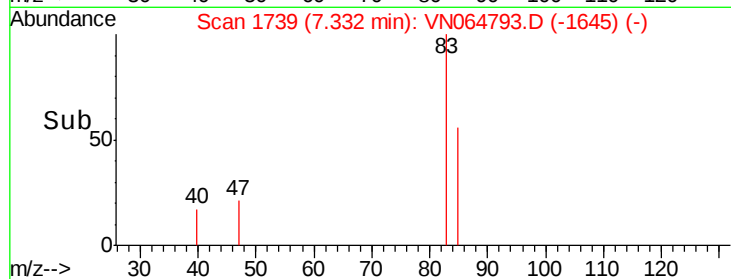
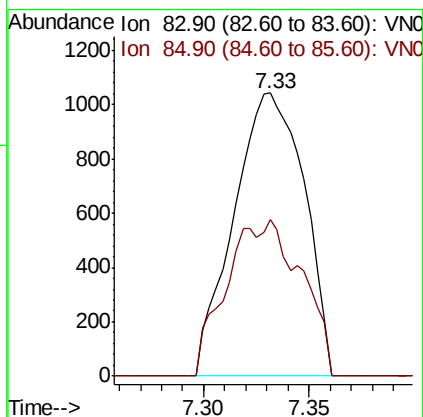
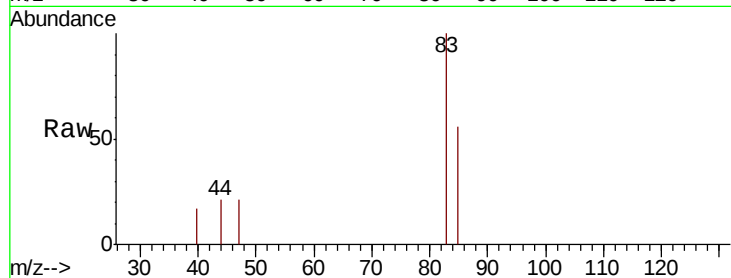




#30
Chloroform
Concen: 0.809 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

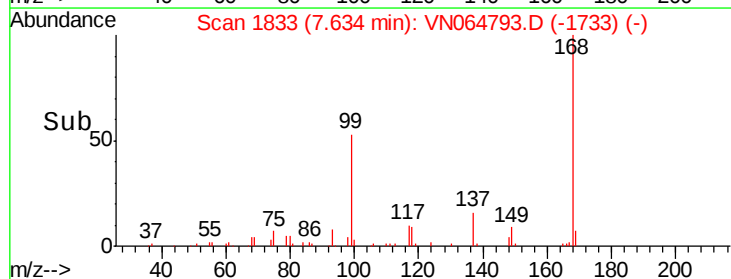
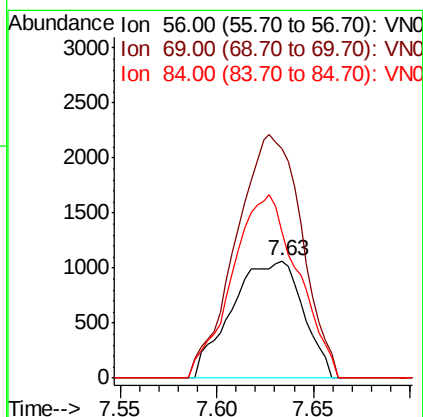
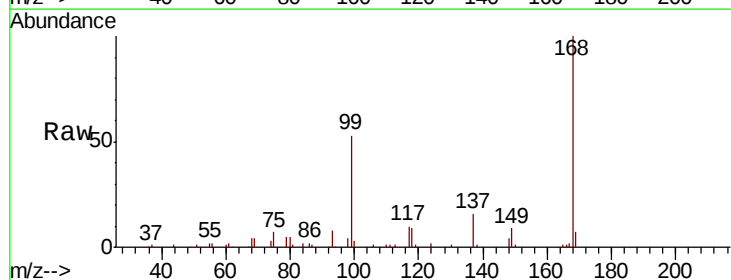
Instrument :
MSVOA_N
ClientSampleId :
MW-15

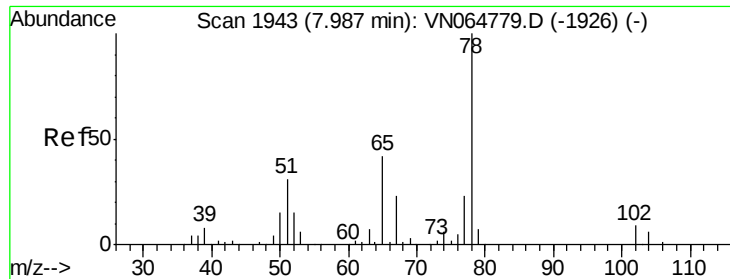
Tot Ion: 83 Resp: 2416
Ion Ratio Lower Upper
83 100
85 55.6 52.6 78.8



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Tgt Ion: 56 Resp: 2715
Ion Ratio Lower Upper
56 100
69 195.1 27.5 41.3#
84 124.8 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 54.955 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

Instrument :

MSVOA_N

ClientSampleId :

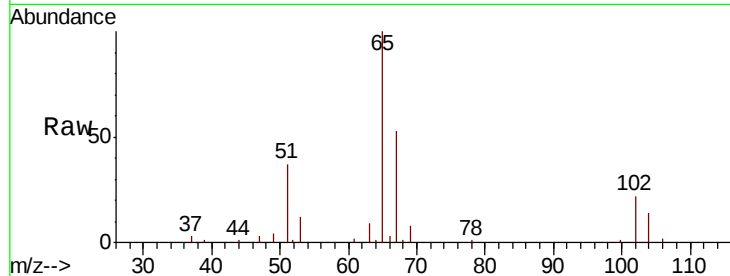
MW-15

Tot Ion: 65 Resp: 96674

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)

7.99

40000

30000

20000

10000

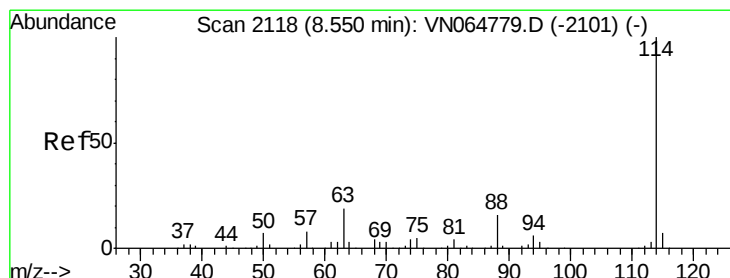
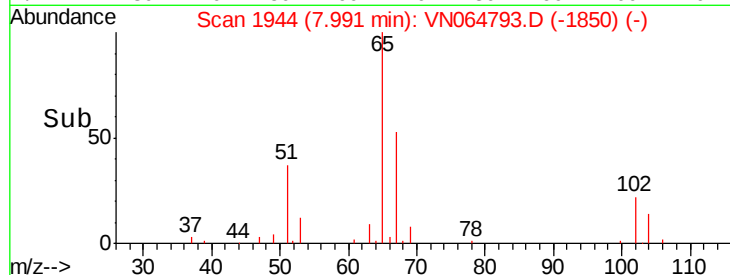
0

7.90

8.00

8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

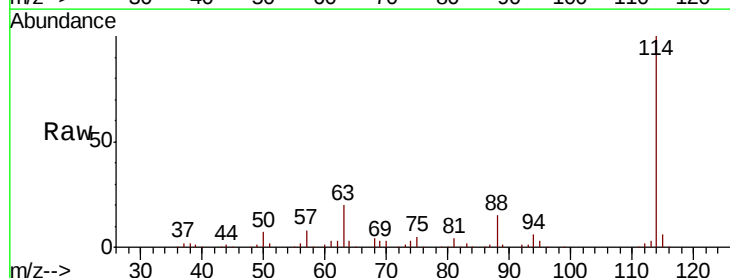
Tgt Ion: 114 Resp: 271310

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 15.2 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

8.55

150000

100000

50000

0

8.45

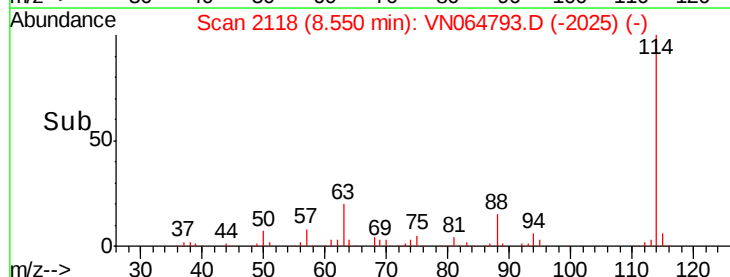
8.50

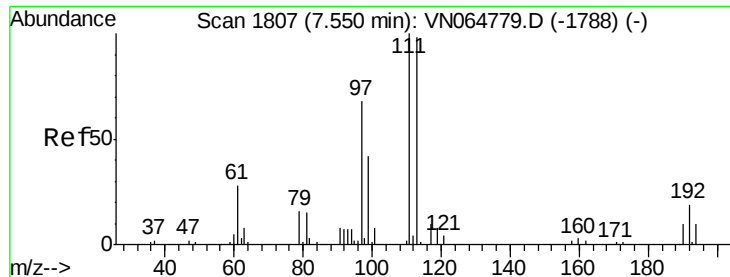
8.55

8.60

8.65

Time-->

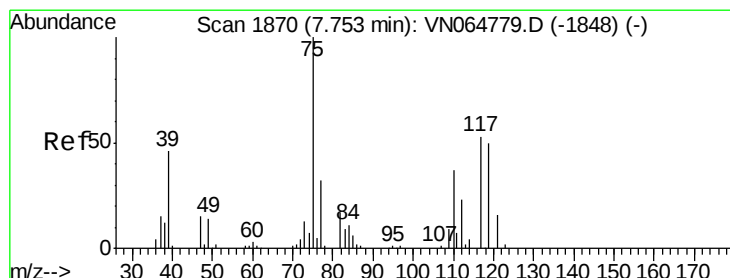
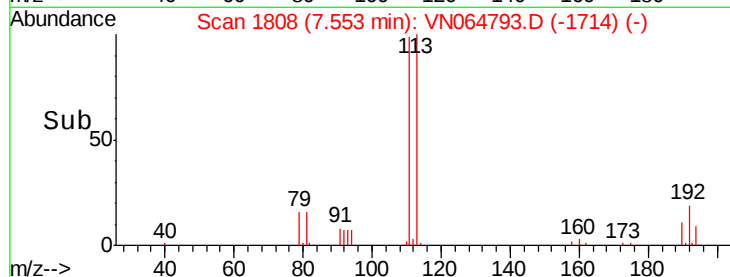
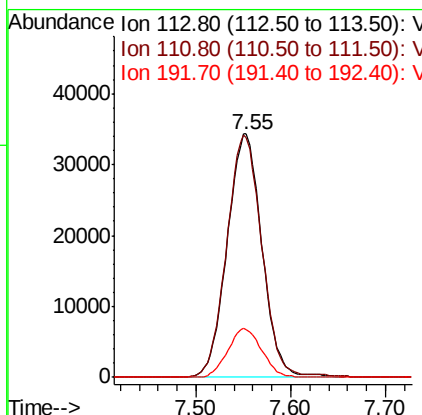
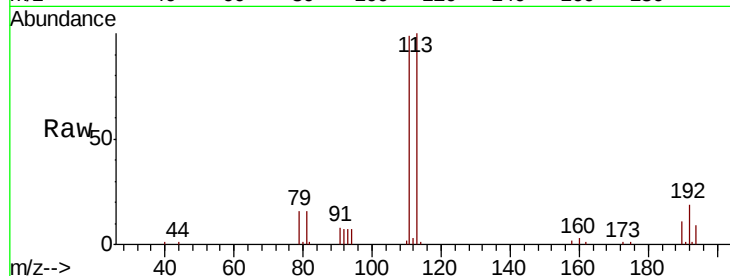




#35
 Dibromofluoromethane
 Concen: 53.859 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064793.D
 Acq: 23 Nov 2020 19:11

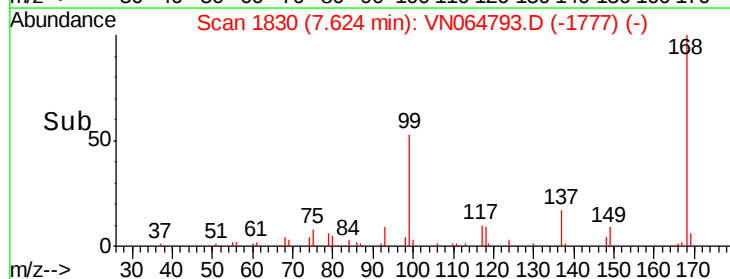
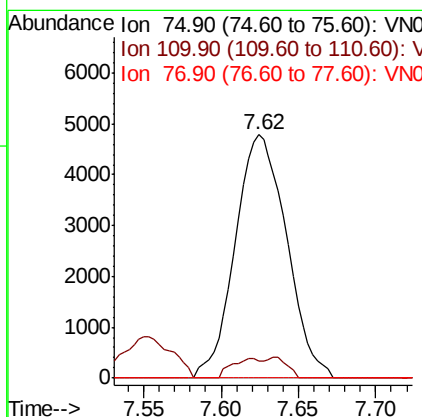
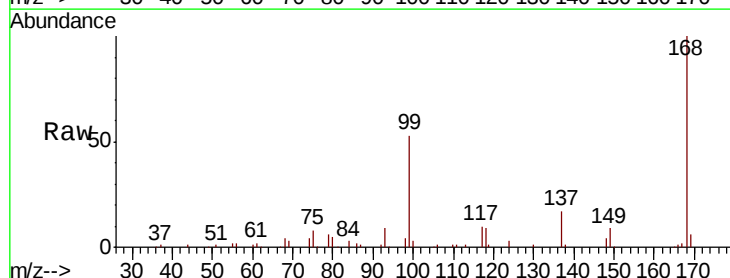
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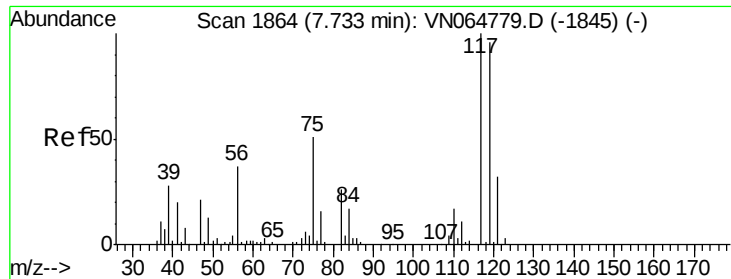
Tot Ion:113 Resp: 87437
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.6 122.4
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064793.D
 Acq: 23 Nov 2020 19:11

Tgt Ion: 75 Resp: 11042
 Ion Ratio Lower Upper
 75 100
 110 4.8 17.8 53.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

Instrument :

MSVOA_N

ClientSampleId :

MW-15

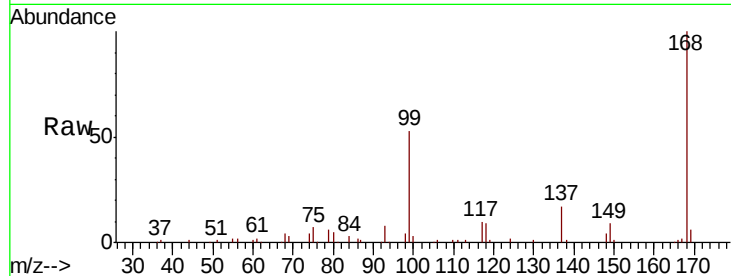
Tot Ion:117 Resp: 14284

Ion Ratio Lower Upper

117 100

119 6.1 76.7 115.1#

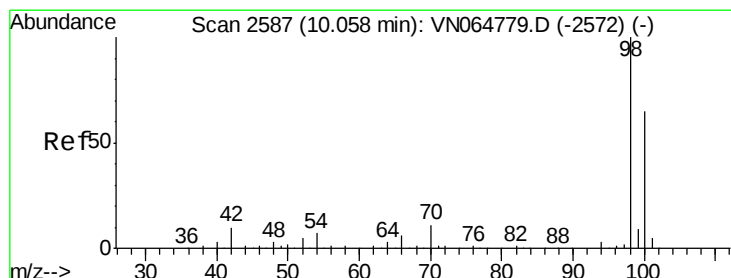
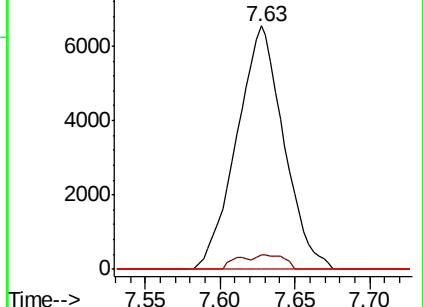
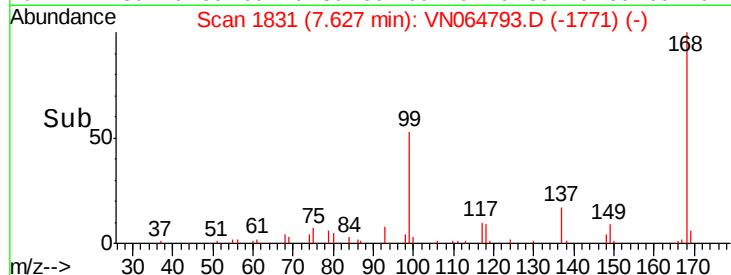
121 0.0 25.4 38.2#



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



#50

Toluene-d8

Concen: 51.011 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064793.D

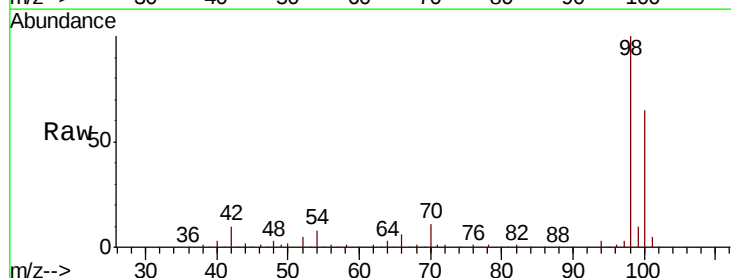
Acq: 23 Nov 2020 19:11

Tgt Ion: 98 Resp: 338364

Ion Ratio Lower Upper

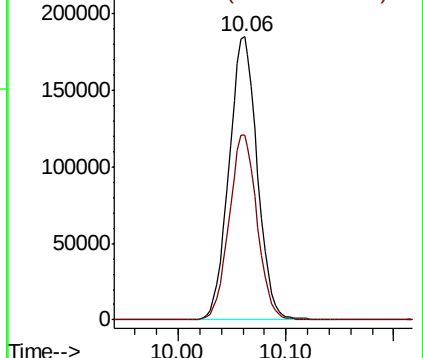
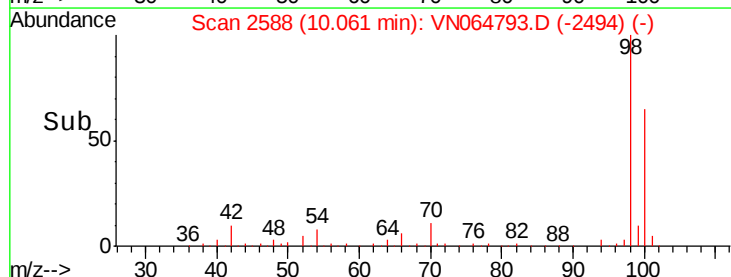
98 100

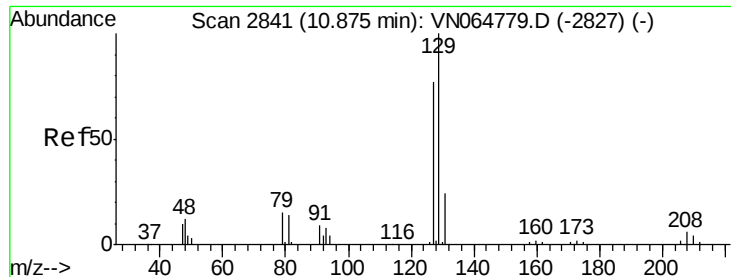
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: 2.088 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

Instrument :

MSVOA_N

ClientSampleId :

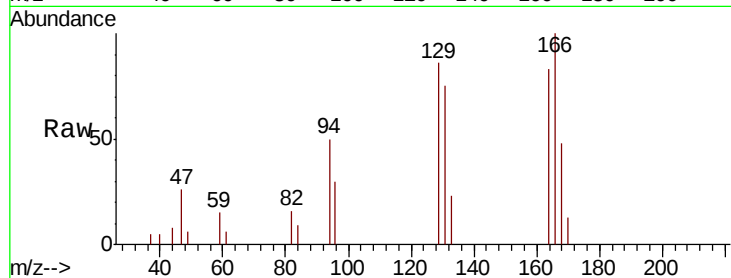
MW-15

Tot Ion:129 Resp: 4530

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

2500

2000

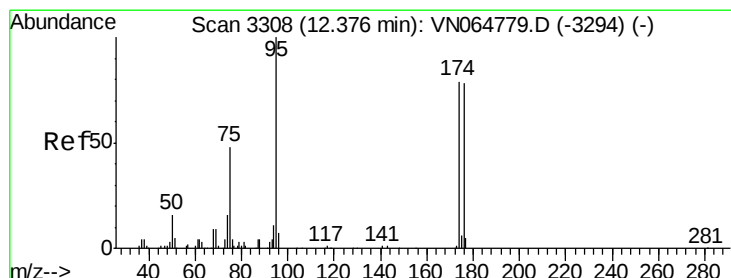
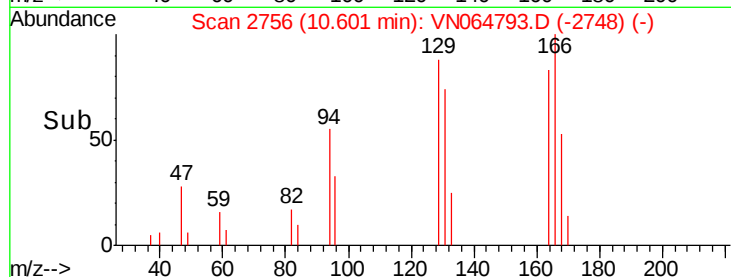
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.244 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

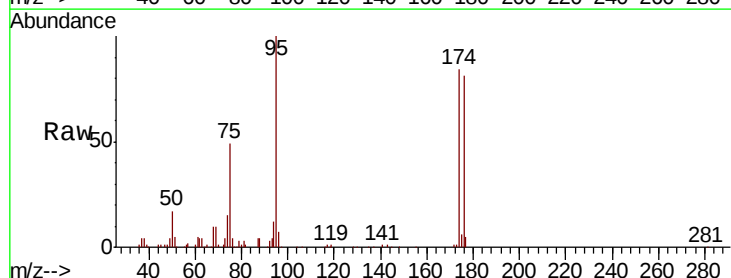
Tgt Ion: 95 Resp: 128770

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

176 79.6 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

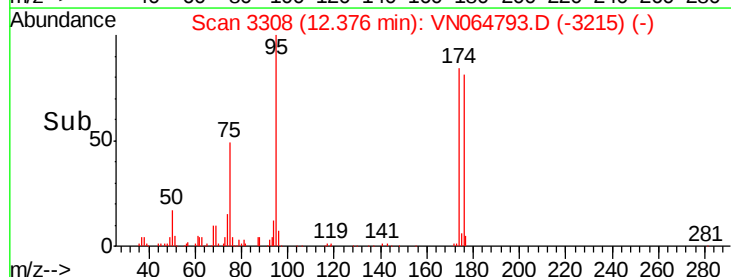
60000

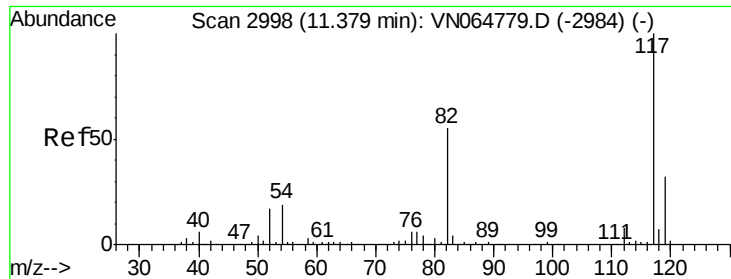
40000

20000

0

Time-->

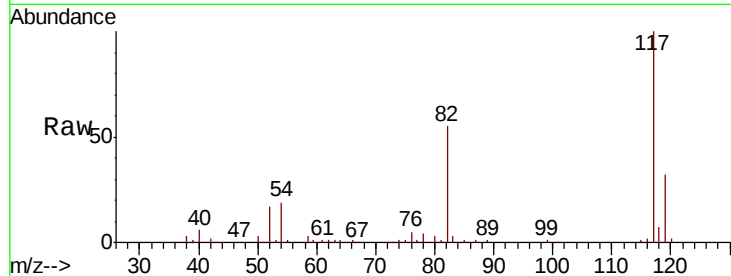




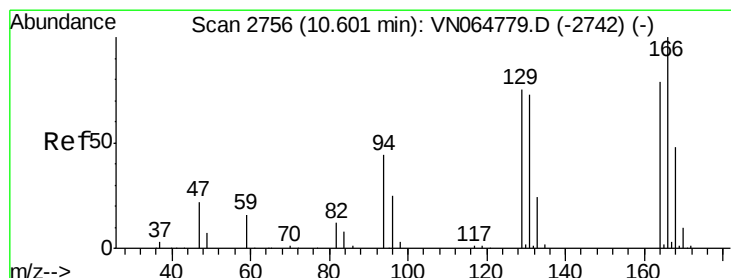
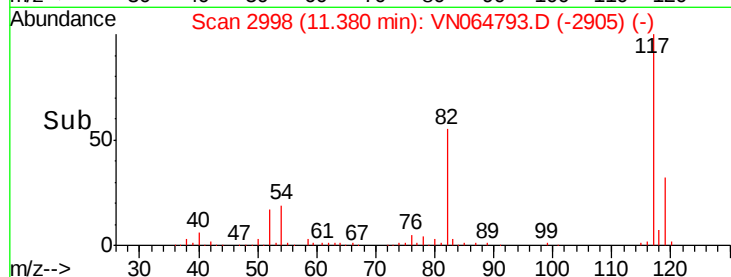
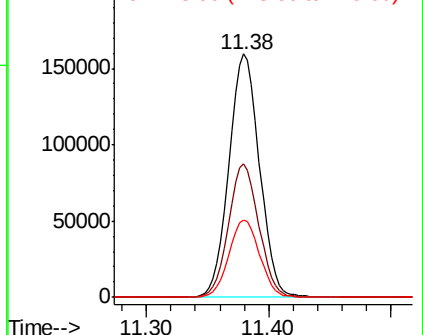
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tot Ion:117 Resp: 278871
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.9 25.8 38.6

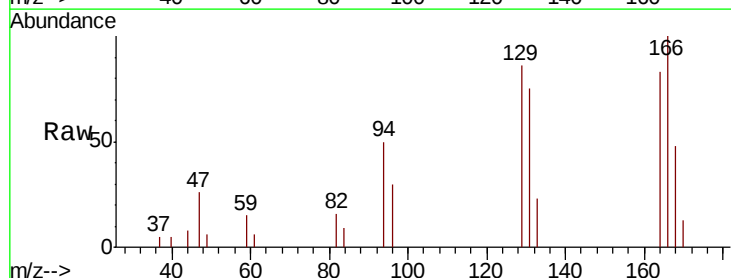


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

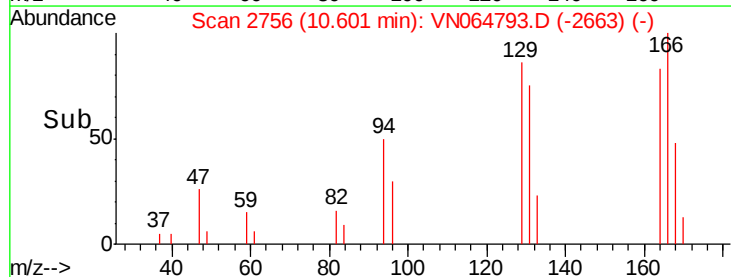
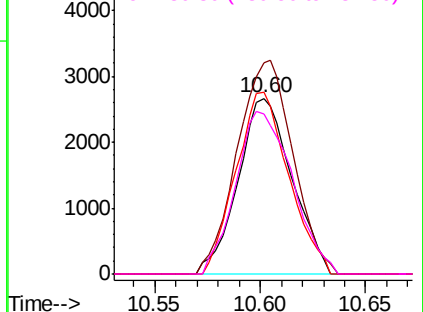


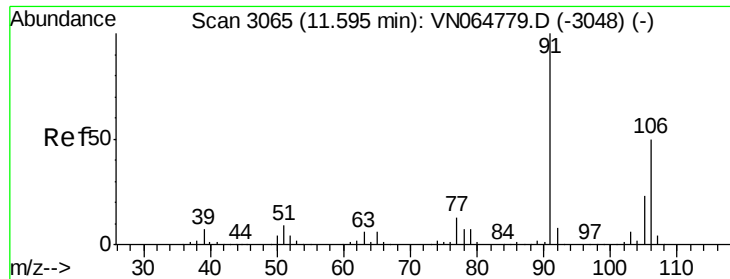
#64
Tetrachloroethene
Concen: 1.740 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Tgt Ion:164 Resp: 4721
Ion Ratio Lower Upper
164 100
166 120.3 101.4 152.0
129 103.6 76.1 114.1
131 90.7 74.2 111.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

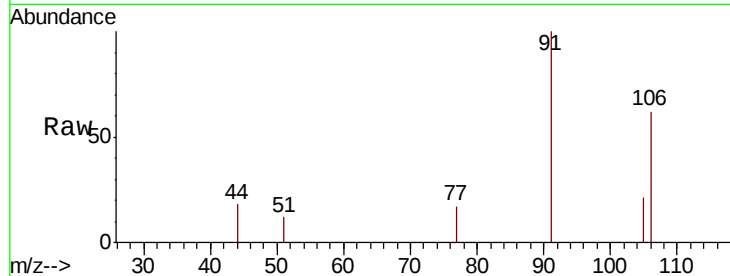




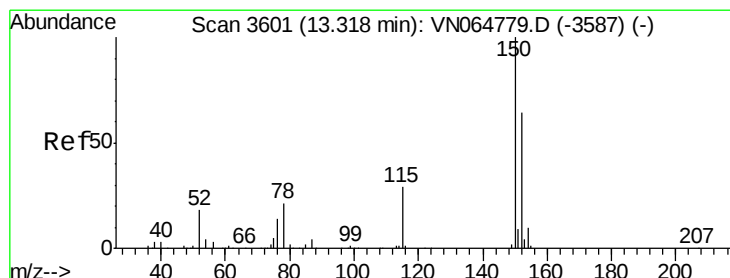
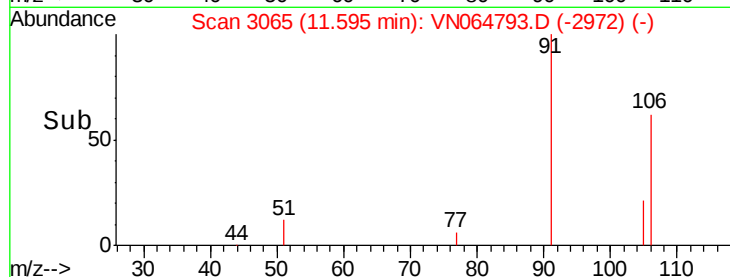
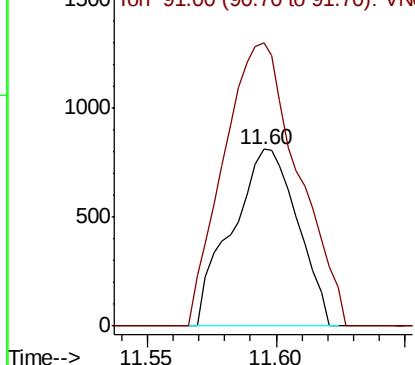
#68
m/p-Xvlenes
Concen: 0.379 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Instrument :
MSVOA_N
ClientSampled :
MW-15

Tot Ion:106 Resp: 1436
Ion Ratio Lower Upper
106 100
91 181.7 161.0 241.4

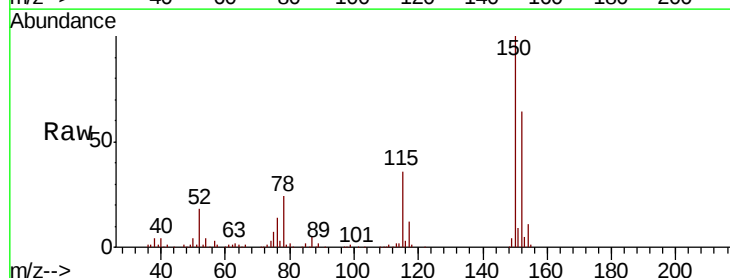


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

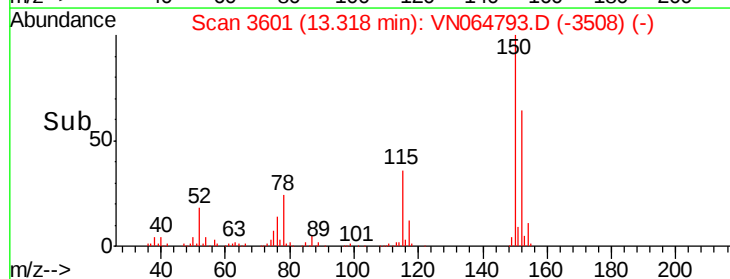
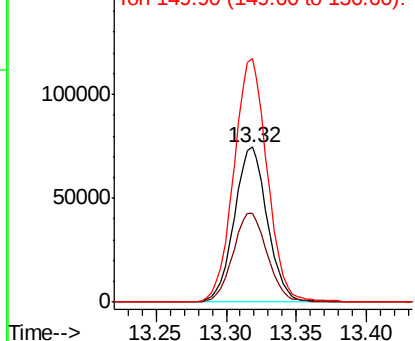


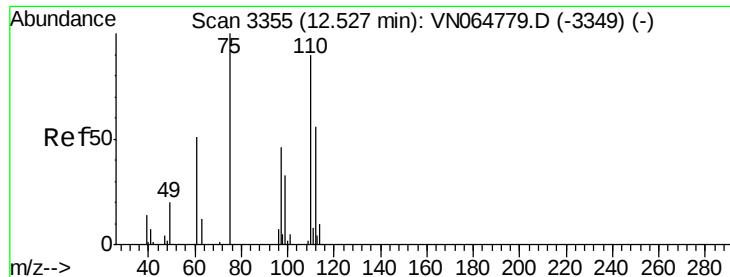
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064793.D
Acq: 23 Nov 2020 19:11

Tgt Ion:152 Resp: 122826
Ion Ratio Lower Upper
152 100
115 59.2 29.7 89.1
150 159.0 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: 23.215 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

Instrument :

MSVOA_N

ClientSampleId :

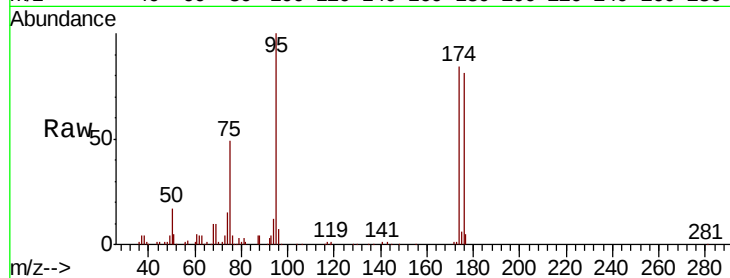
MW-15

Tot Ion: 75 Resp: 61408

Ion Ratio Lower Upper

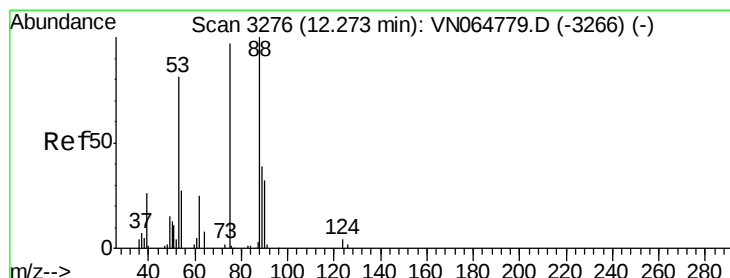
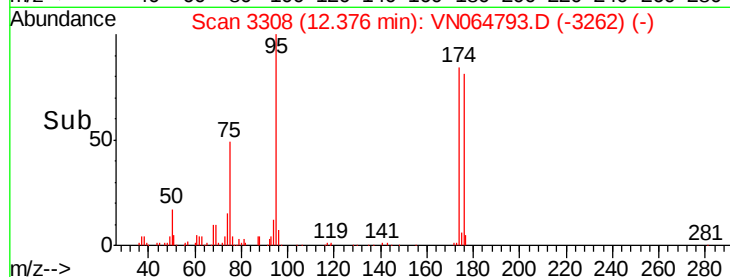
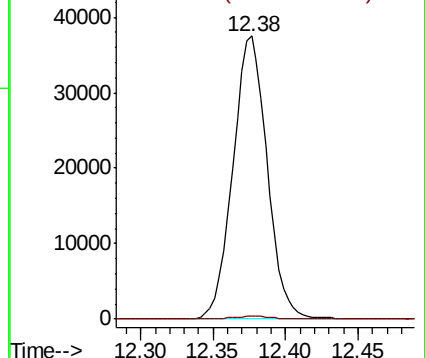
75 100

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: 63.627 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064793.D

Acq: 23 Nov 2020 19:11

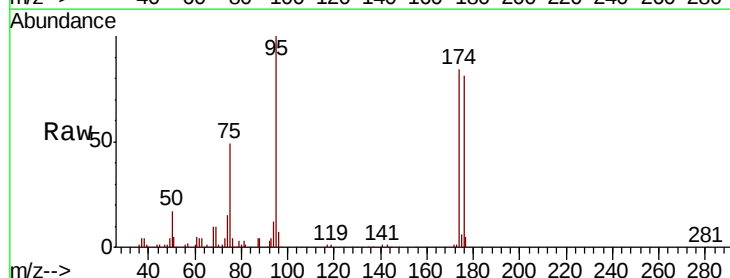
Tgt Ion: 75 Resp: 61408

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

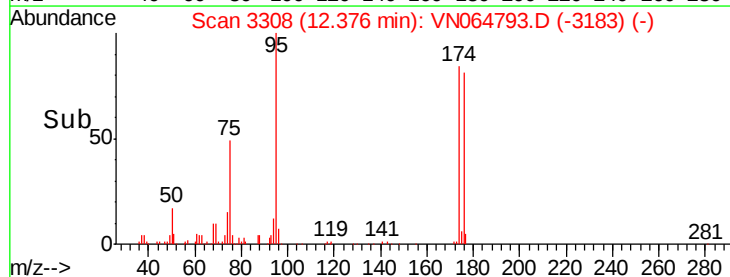
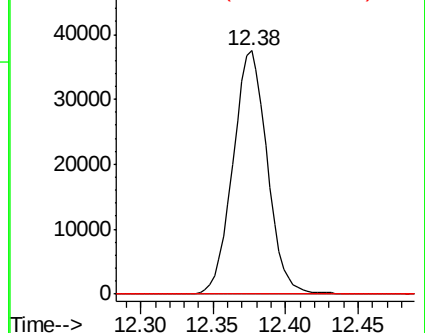
89 0.0 39.6 59.4#

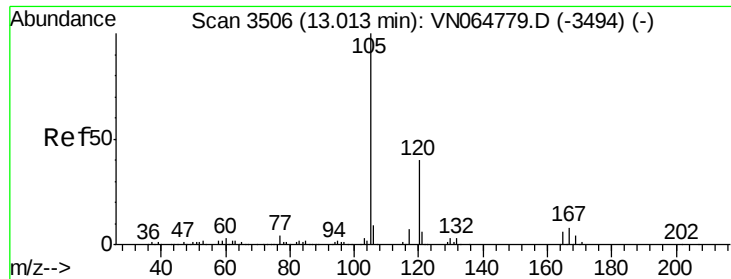


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.203 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064793.D
 Acq: 23 Nov 2020 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Tot Ion:105 Resp: 1454
 Ion Ratio Lower Upper
 105 100
 120 34.7 23.1 69.2

