

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064809.D
 Acq On : 24 Nov 2020 14:39
 Operator : JC/MD
 Sample : L4829-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Nov 25 04:03:53 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	174945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	311423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	147933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105136	51.69	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.38%
35) Dibromofluoromethane	7.55	113	96412	51.74	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.48%
50) Toluene-d8	10.06	98	387742	50.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.86%
62) 4-Bromofluorobenzene	12.38	95	153063	56.17	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.34%

Target Compounds

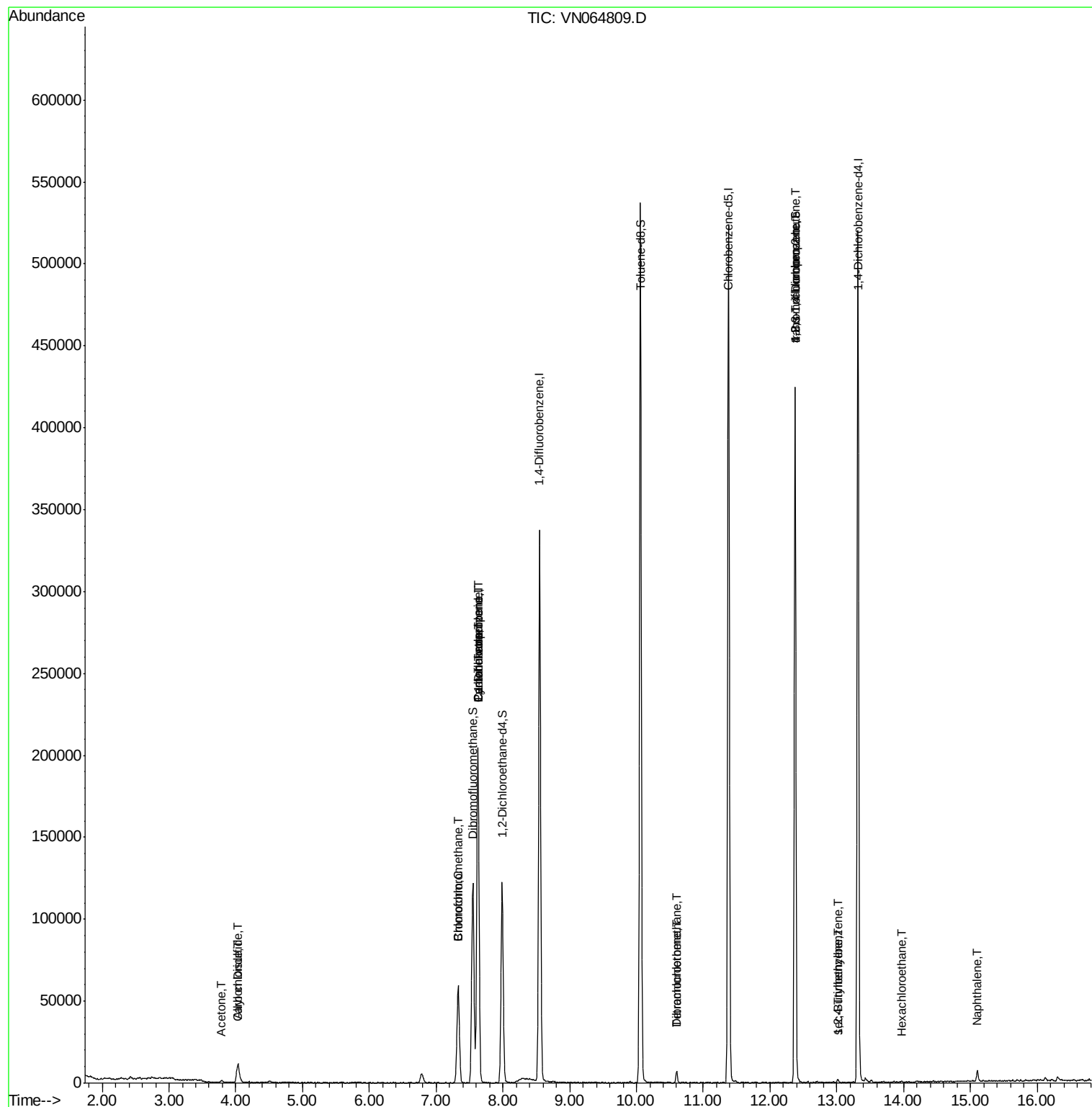
					Qvalue	
14) Allyl chloride	4.03	41	946	0.338	ug/l #	1
16) Acetone	3.78	43	1530	2.288	ug/l #	80
17) Carbon Disulfide	4.02	76	1172	0.273	ug/l #	75
28) Bromochloromethane	7.33	49	5095	3.328	ug/l #	10
30) Chloroform	7.33	83	64078	18.565	ug/l	98
31) Cyclohexane	7.62	56	3020	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12384	4.290	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15935	5.306	ug/l #	16
60) Dibromochloromethane	10.59	129	1453	0.584	ug/l #	10
64) Tetrachloroethene	10.60	164	1919	0.621	ug/l #	83
76) 1,2,3-Trichloropropane	12.38	75	73336	23.019	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73336	63.090	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	2041	0.236	ug/l	97
85) sec-Butylbenzene	13.01	105	2041	0.214	ug/l #	56
90) Hexachloroethane	13.97	117	480	0.319	ug/l #	9
95) Naphthalene	15.10	128	7268	0.810	ug/l	97

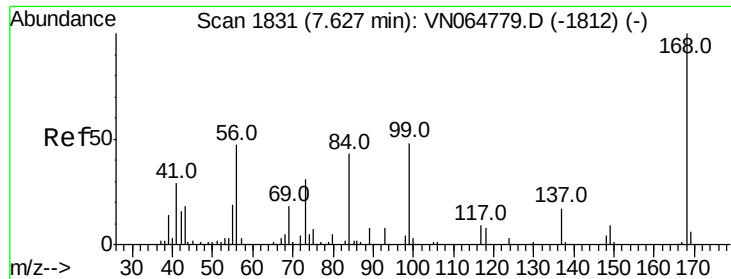
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

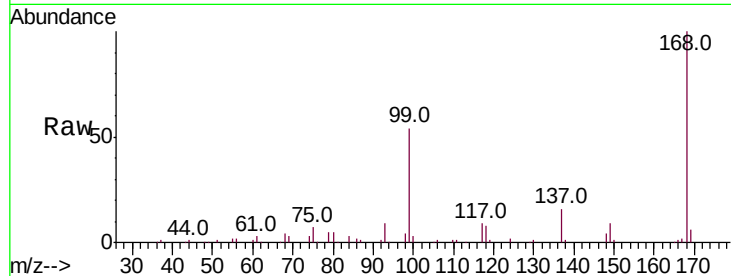
MW-8

Tot Ion:168 Resp: 174945

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

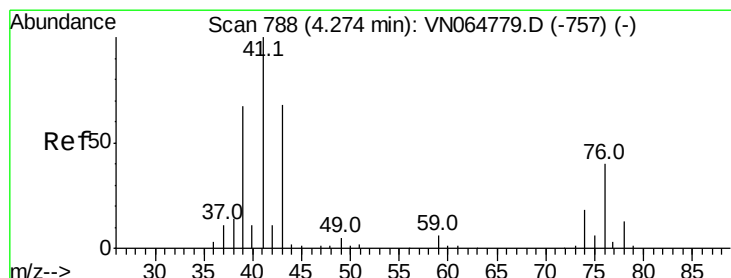
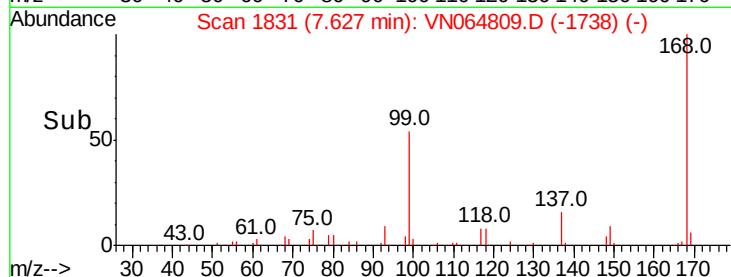
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#14

Allyl chloride

Concen: 0.338 ug/l

RT: 4.03 min Scan# 711

Delta R.T. -0.25 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

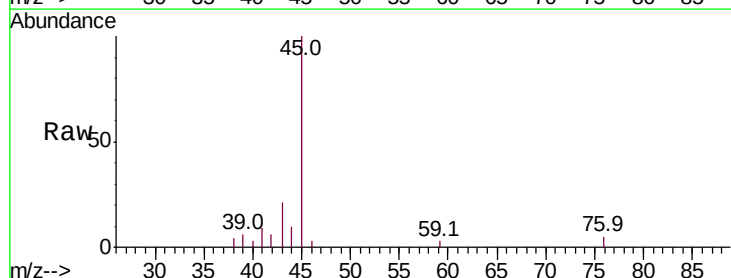
Tgt Ion: 41 Resp: 946

Ion Ratio Lower Upper

41 100

39 0.0 50.9 76.3#

76 123.9 29.0 43.4#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.03

600

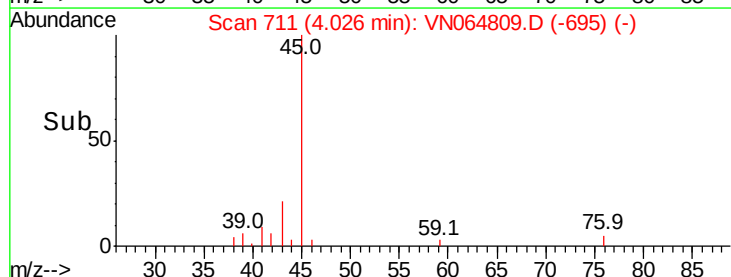
400

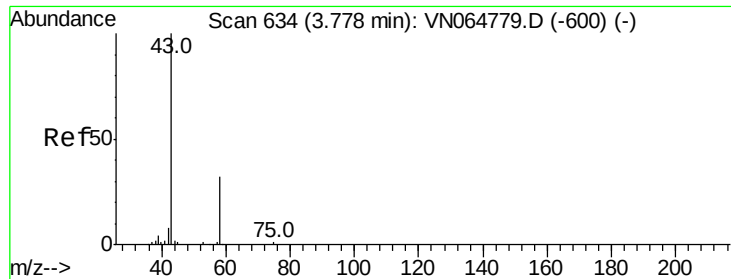
200

0

3.98 4.00 4.02 4.04

Time-->





#16

Acetone

Concen: 2.288 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

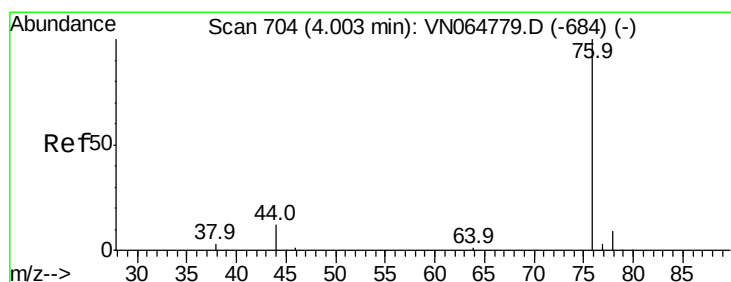
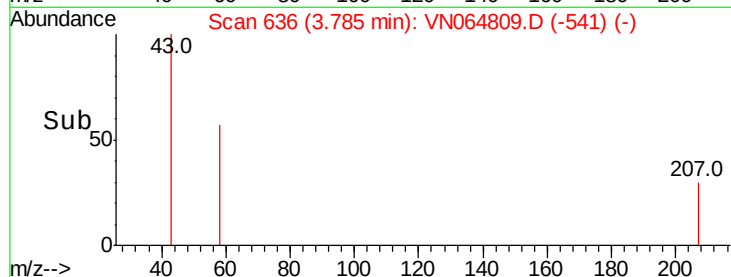
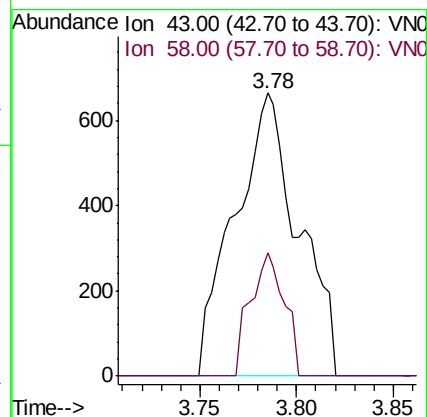
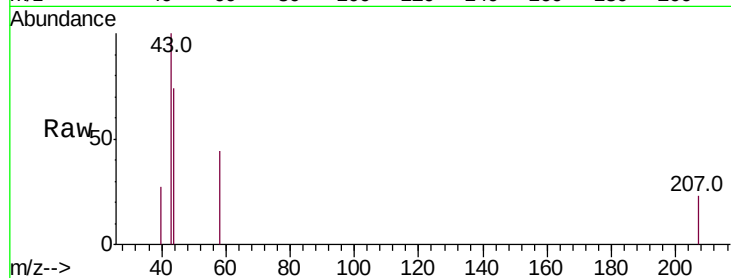
MW-8

Tot Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 43.5 25.7 38.5#



#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN064809.D

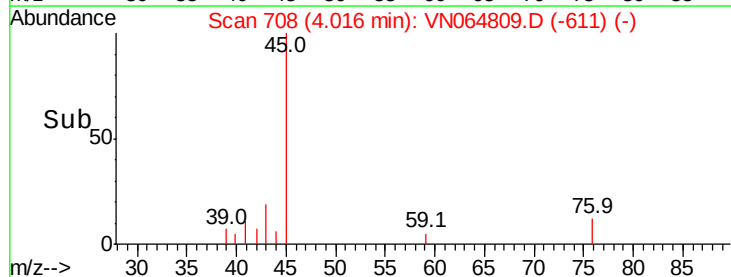
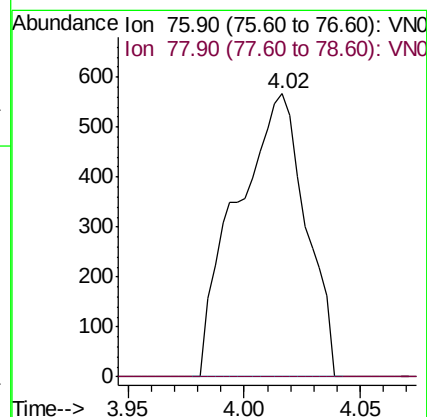
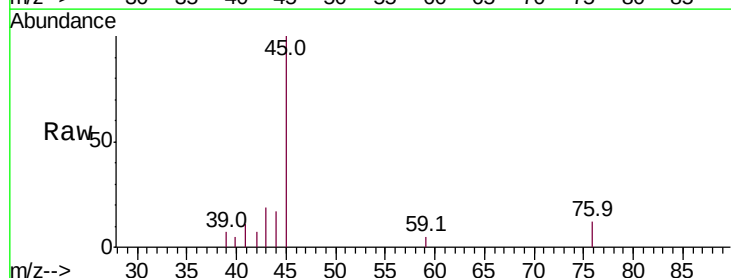
Acq: 24 Nov 2020 14:39

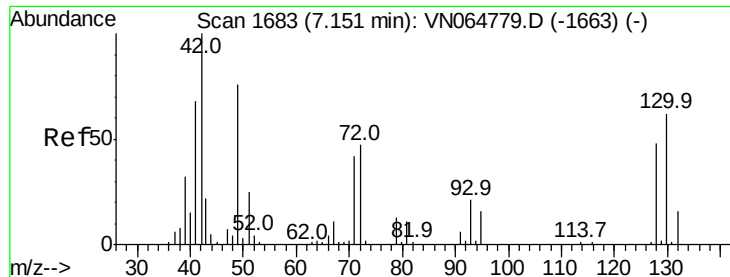
Tgt Ion: 76 Resp: 1172

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#28

Bromochloromethane

Concen: 3.328 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.18 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

MW-8

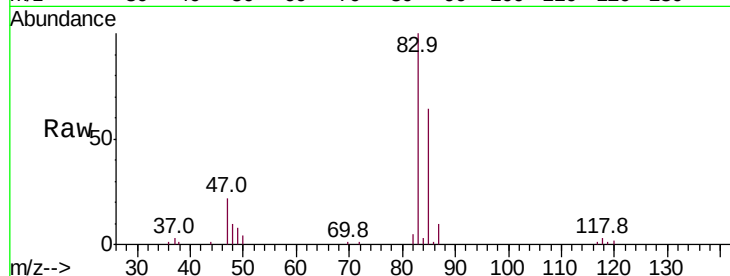
Tot Ion: 49 Resp: 5095

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 66.2 99.2#



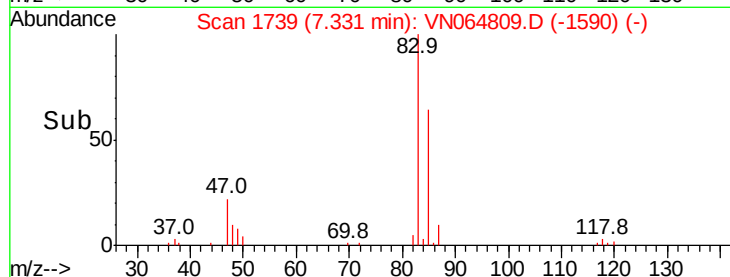
Abundance Ion 48.90 (48.60 to 49.60): VN064779.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN064779.D (-1663) (-)

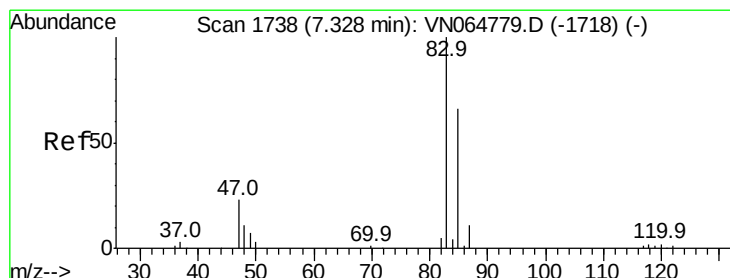
Ion 129.80 (129.50 to 130.50): VN064779.D (-1663) (-)

7.33

Time-->



Time-->



#30

Chloroform

Concen: 18.565 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064809.D

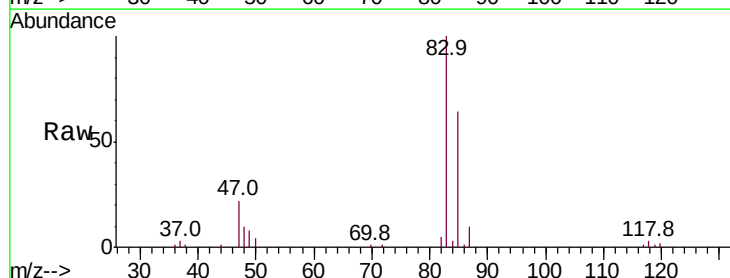
Acq: 24 Nov 2020 14:39

Tgt Ion: 83 Resp: 64078

Ion Ratio Lower Upper

83 100

85 63.9 52.6 78.8

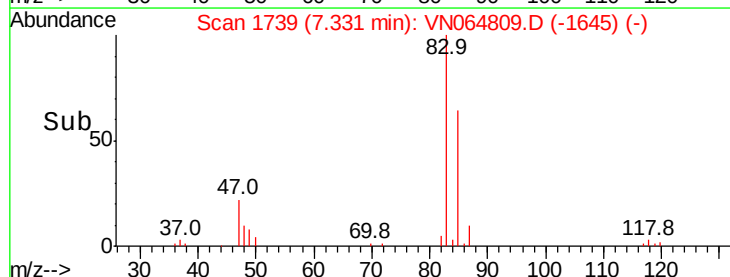


Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-1718) (-)

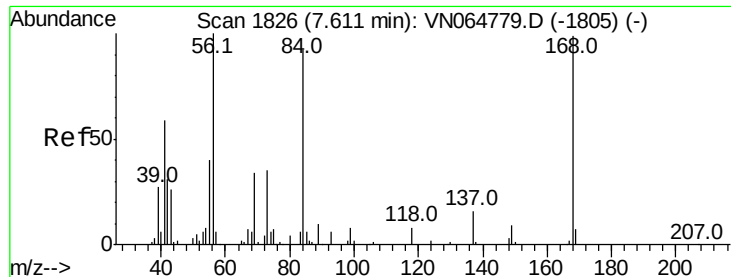
Ion 84.90 (84.60 to 85.60): VN064779.D (-1718) (-)

7.33

Time-->



Time-->



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

MW-8

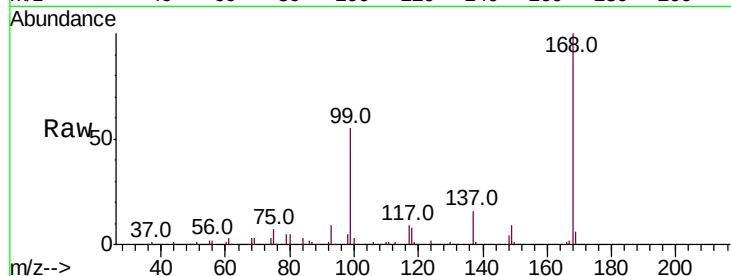
Tot Ion: 56 Resp: 3020

Ion Ratio Lower Upper

56 100

69 176.0 27.5 41.3#

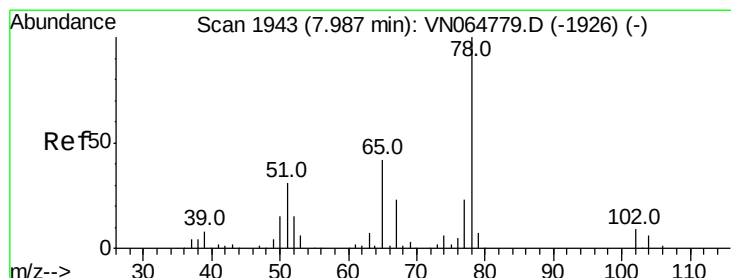
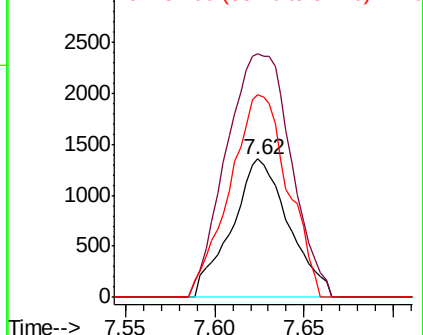
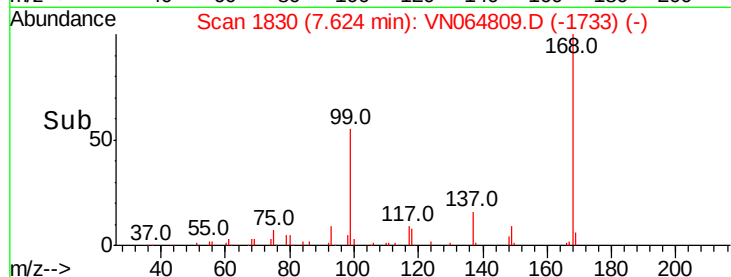
84 146.4 73.9 110.9#



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: 51.693 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064809.D

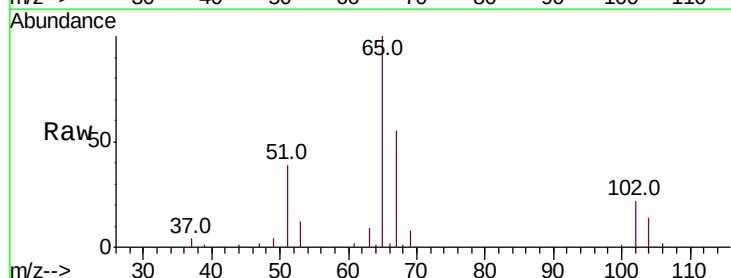
Acq: 24 Nov 2020 14:39

Tgt Ion: 65 Resp: 105136

Ion Ratio Lower Upper

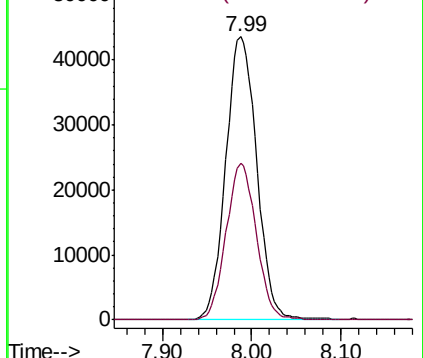
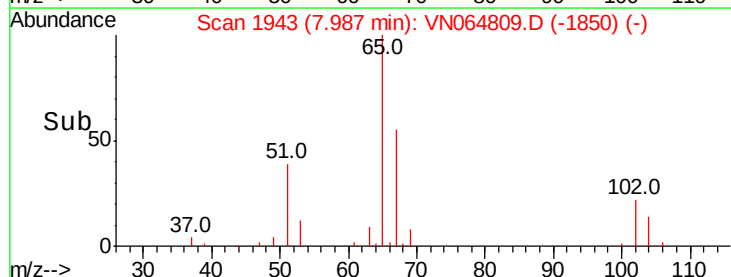
65 100

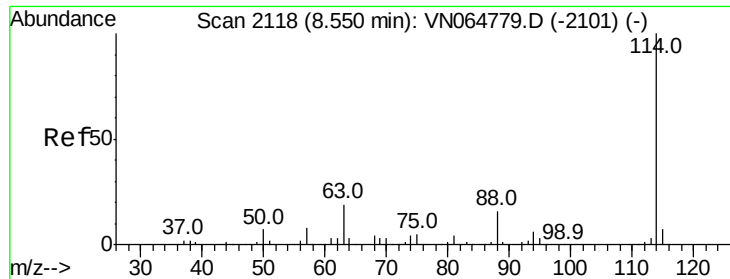
67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

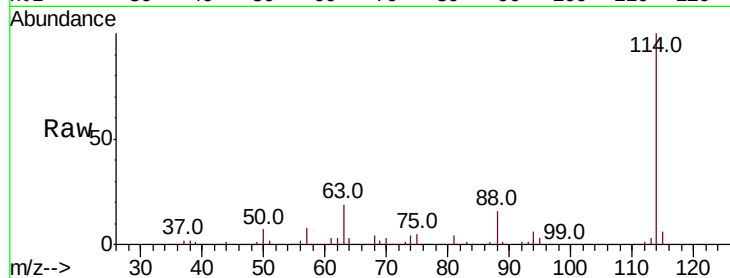




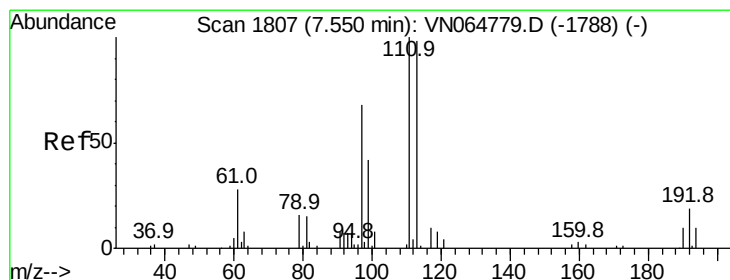
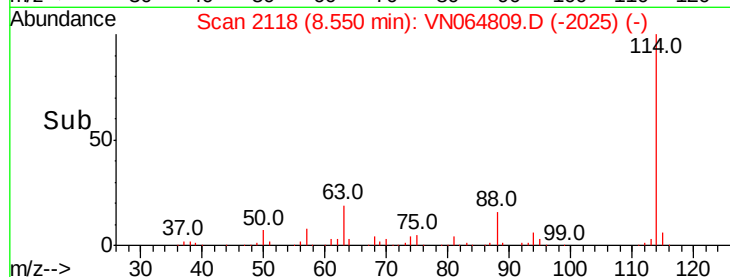
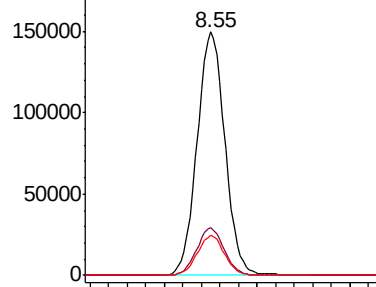
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064809.D
 Acq: 24 Nov 2020 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:114 Resp: 311423
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 16.4 0.0 32.6

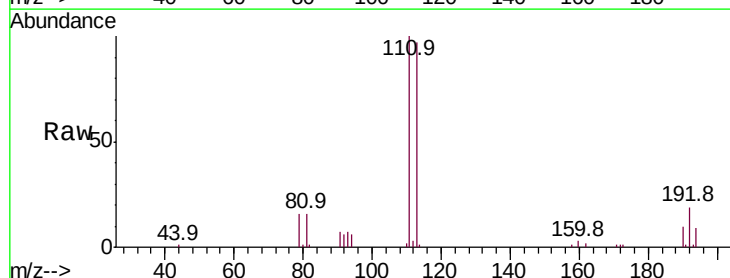


Abundance Ion 113.90 (113.60 to 114.60): V
 200000 Ion 63.00 (62.70 to 63.70): VN
 150000 Ion 87.90 (87.60 to 88.60): VN

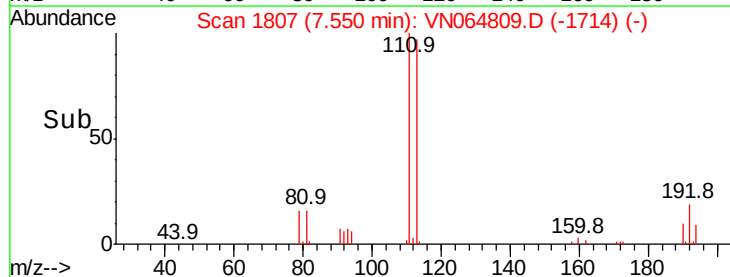
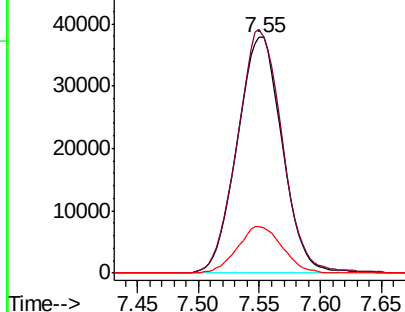


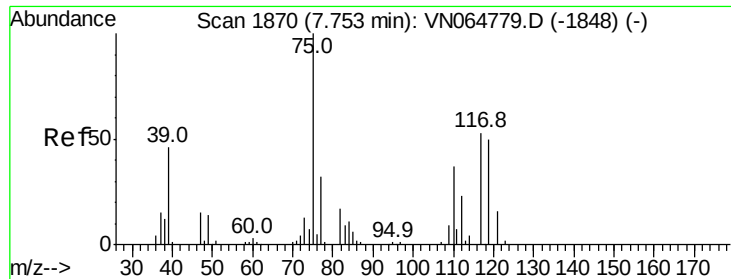
#35
 Dibromofluoromethane
 Concen: 51.738 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064809.D
 Acq: 24 Nov 2020 14:39

Tgt Ion:113 Resp: 96412
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.6 122.4
 192 19.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 50000 Ion 110.80 (110.50 to 111.50): V
 40000 Ion 191.70 (191.40 to 192.40): V

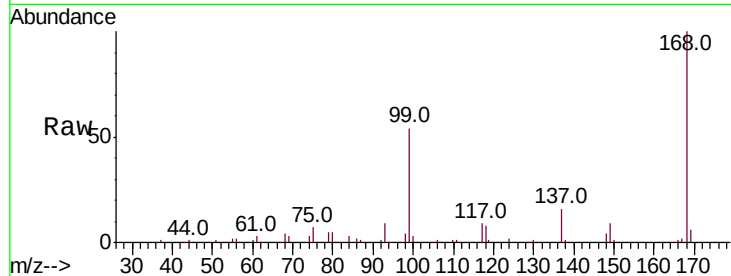




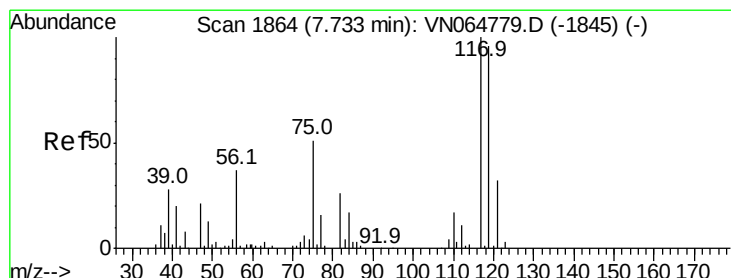
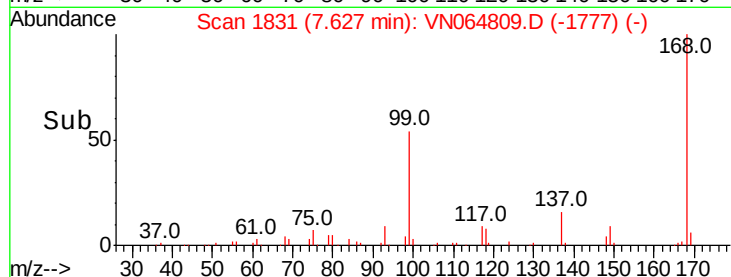
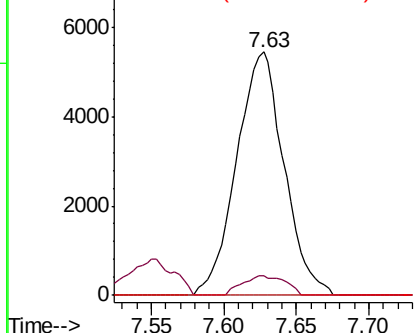
#36
 1,1-Dichloropropene
 Concen: 4.290 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064809.D
 Acq: 24 Nov 2020 14:39

Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.8	53.3#
77	0.0	25.0	37.4#

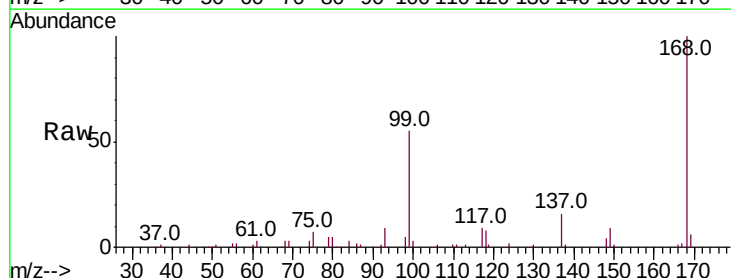


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

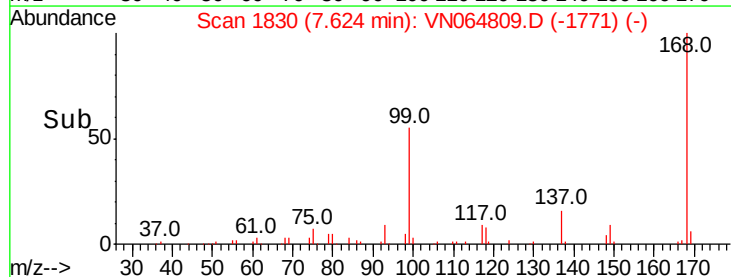
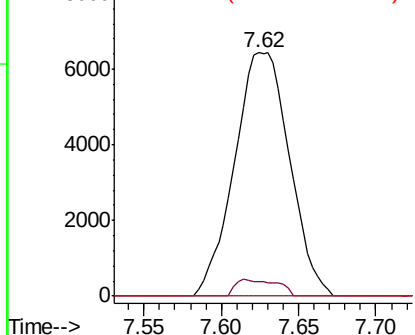


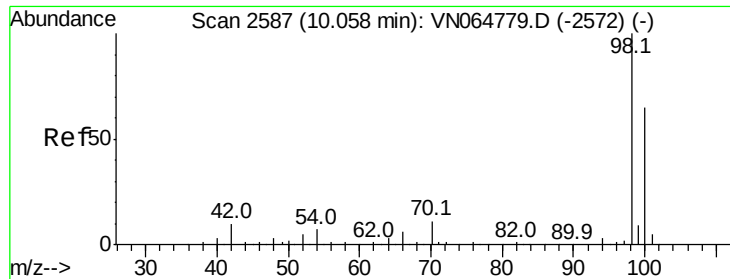
#38
 Carbon Tetrachloride
 Concen: 5.306 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064809.D
 Acq: 24 Nov 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.7	115.1#
121	0.0	25.4	38.2#



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)
 Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)
 Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)





#50

Toluene-d8

Concen: 50.925 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

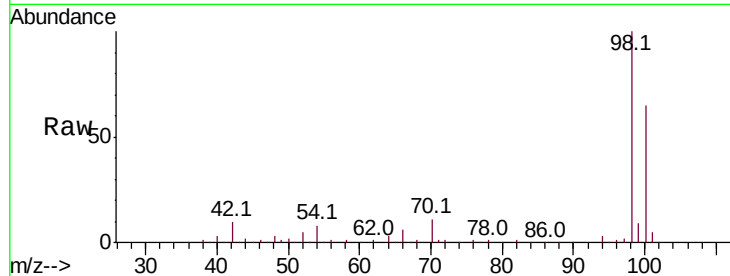
MW-8

Tot Ion: 98 Resp: 387742

Ion Ratio Lower Upper

98 100

100 64.5 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

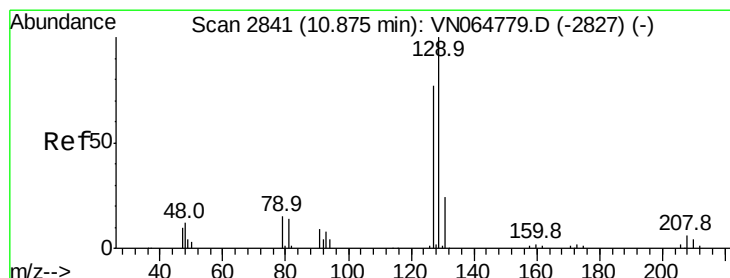
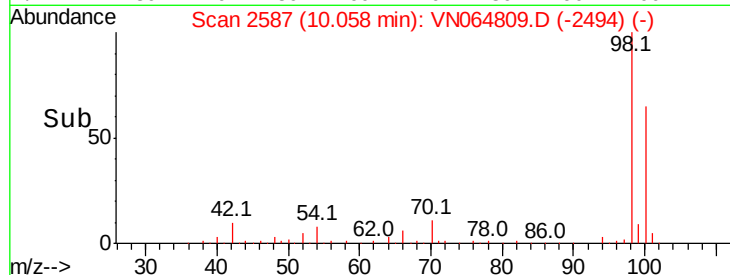
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 0.584 ug/l

RT: 10.59 min Scan# 2754

Delta R.T. -0.28 min

Lab File: VN064809.D

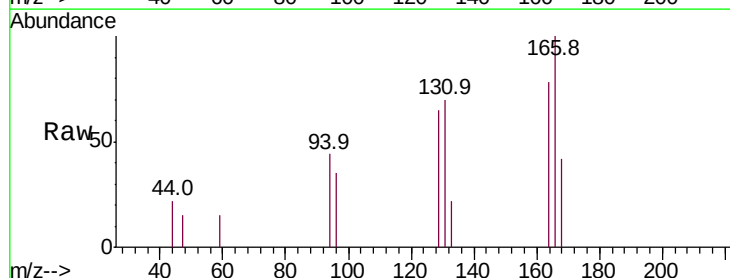
Acq: 24 Nov 2020 14:39

Tgt Ion: 129 Resp: 1453

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): VN064779.D (-2827) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2827) (-)

10.59

800

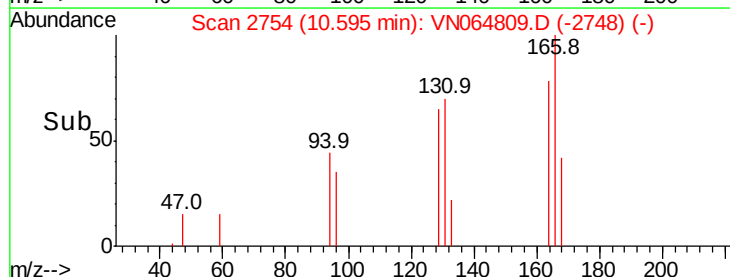
600

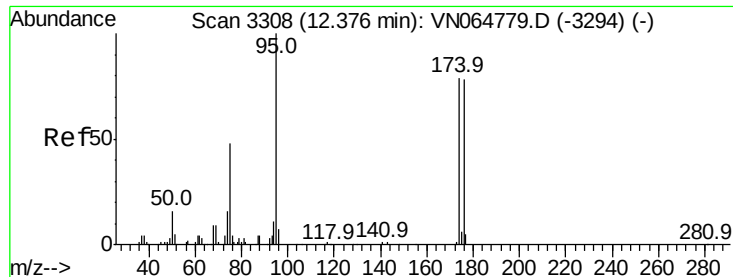
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 56.172 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

MW-8

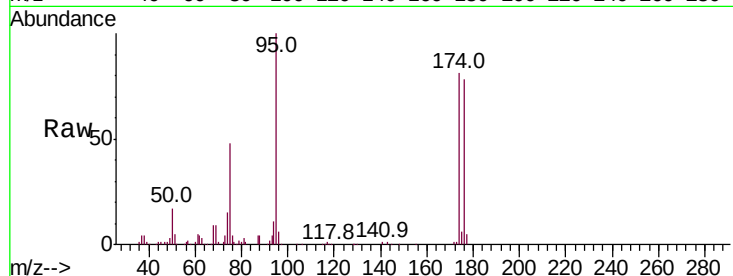
Tot Ion: 95 Resp: 153063

Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.4

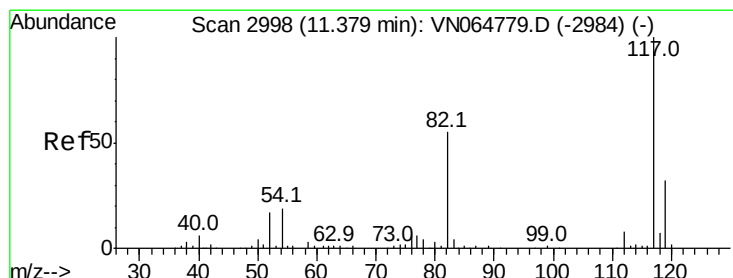
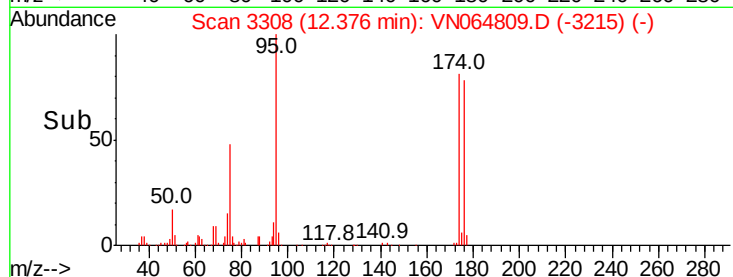
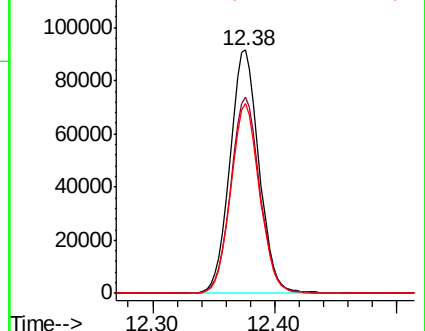
176 77.3 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064809.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN064809.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN064809.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

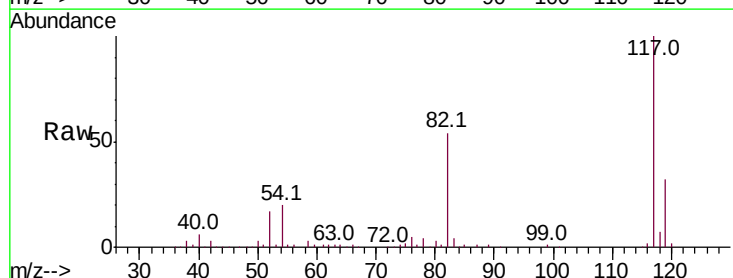
Tgt Ion: 117 Resp: 317444

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

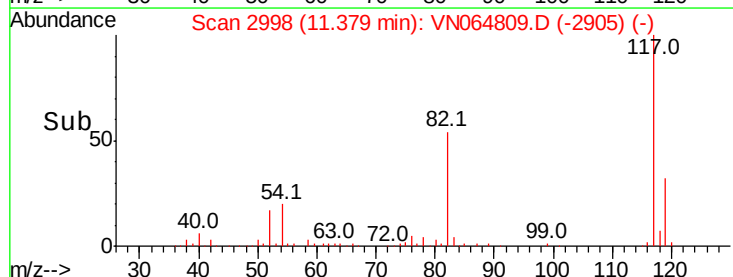
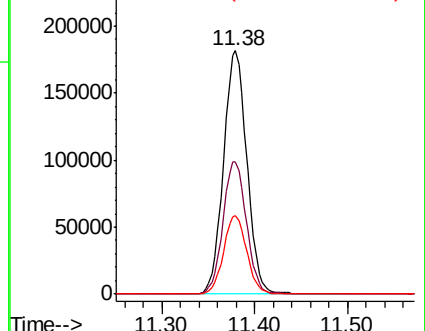
119 32.0 25.8 38.6

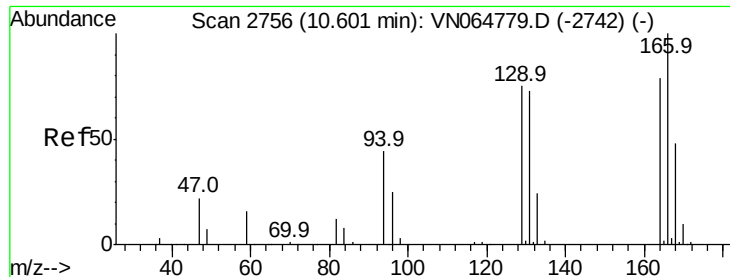


Abundance Ion 116.90 (116.60 to 117.60): VN064809.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064809.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064809.D (-2905) (-)





#64

Tetrachloroethene

Concen: 0.621 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

MW-8

Tot Ion:164 Resp: 1919

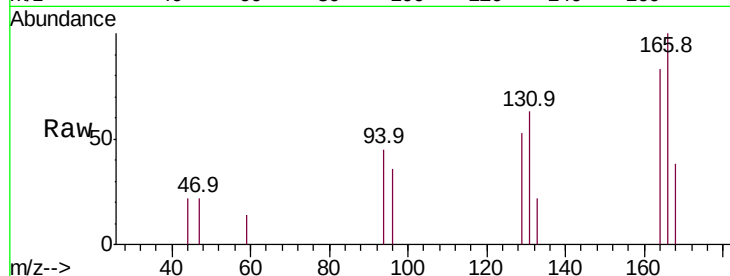
Ion Ratio Lower Upper

164 100

166 120.5 101.4 152.0

129 63.9 76.1 114.1#

131 76.2 74.2 111.2

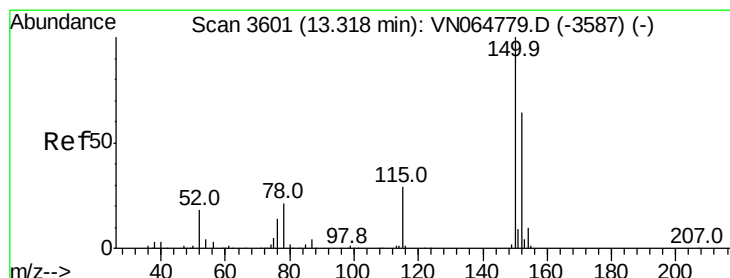
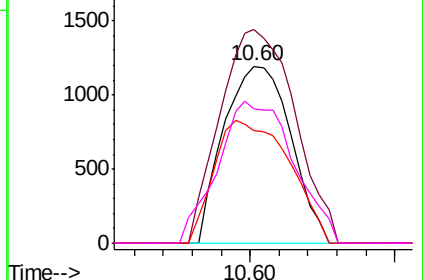
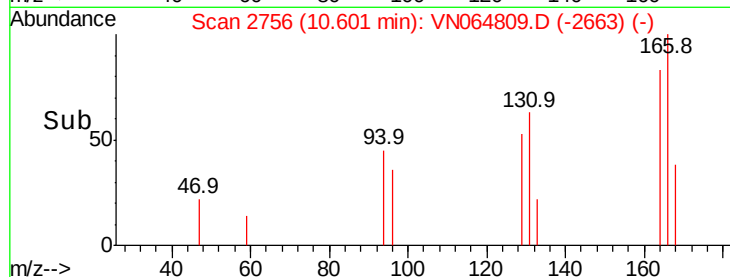


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

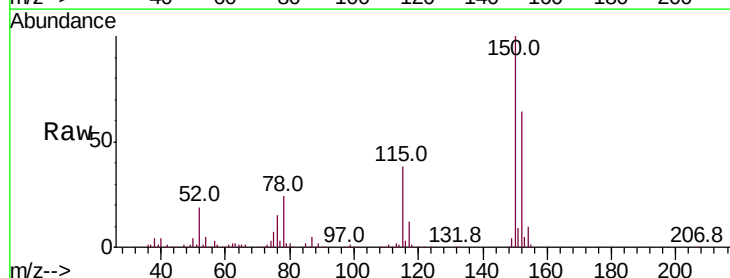
Tgt Ion:152 Resp: 147933

Ion Ratio Lower Upper

152 100

115 58.5 29.7 89.1

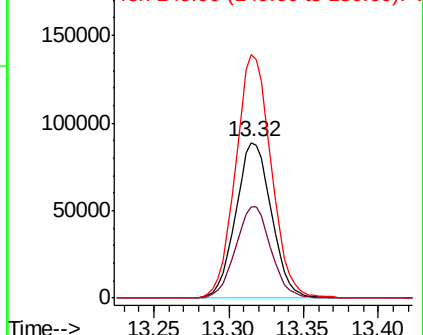
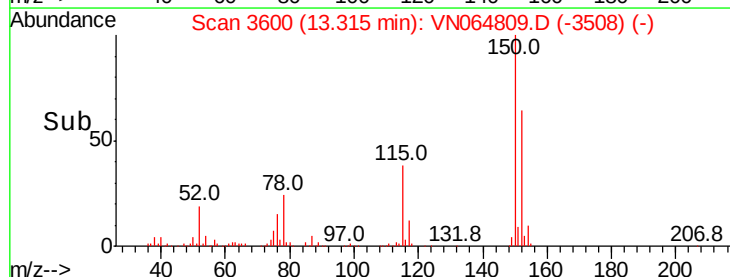
150 156.0 0.0 350.6

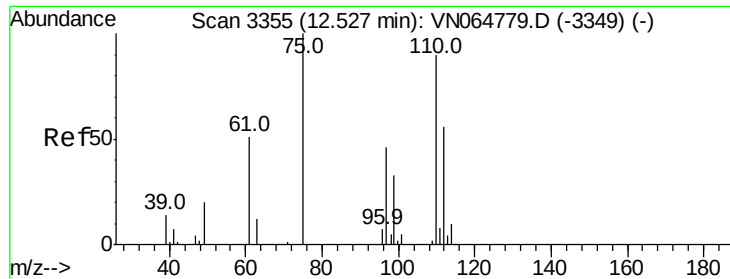


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.019 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

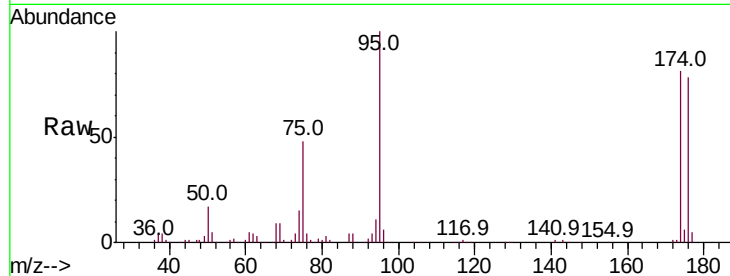
MW-8

Tot Ion: 75 Resp: 73336

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064809.D (-3183) (-)

Ion 77.00 (76.70 to 77.70): VN064809.D (-3183) (-)

12.38

40000

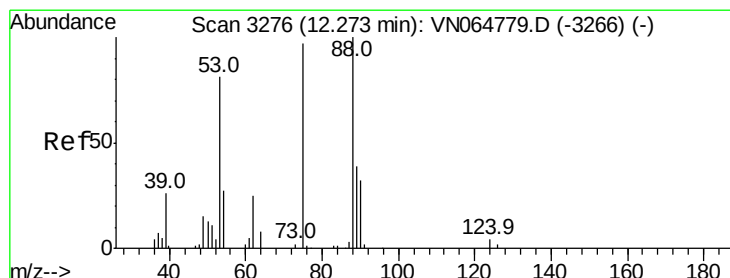
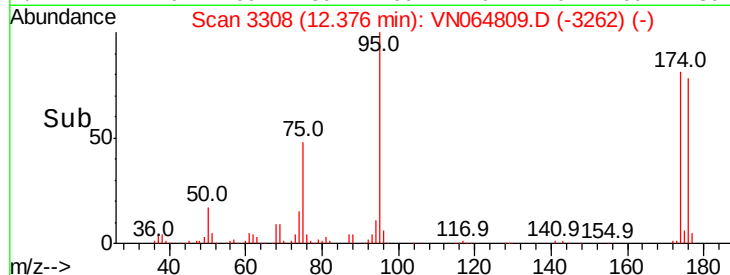
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.090 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

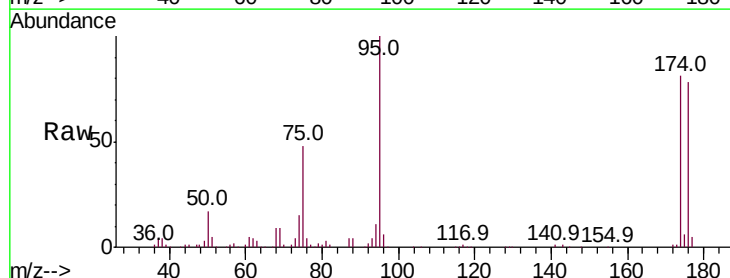
Tgt Ion: 75 Resp: 73336

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): VN064809.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064809.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064809.D (-3183) (-)

12.38

60000

50000

40000

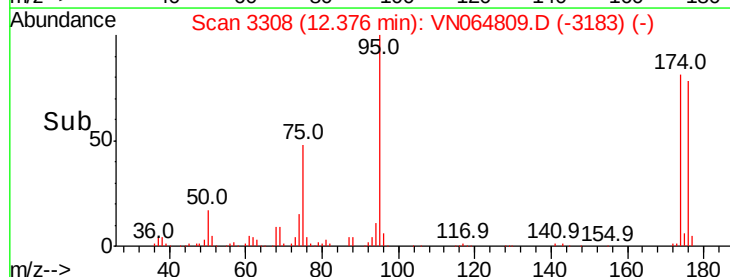
30000

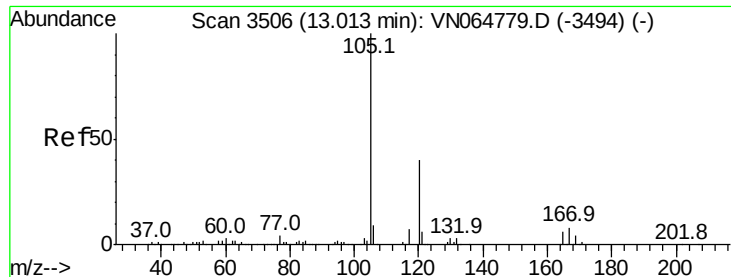
20000

10000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.236 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

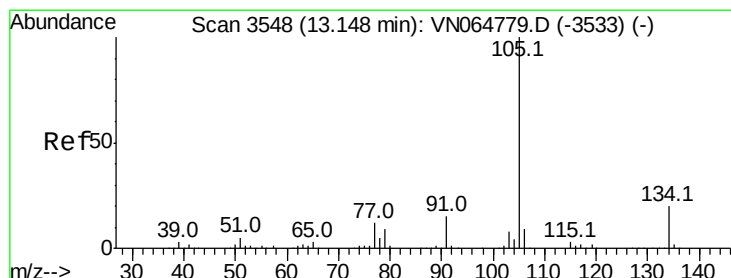
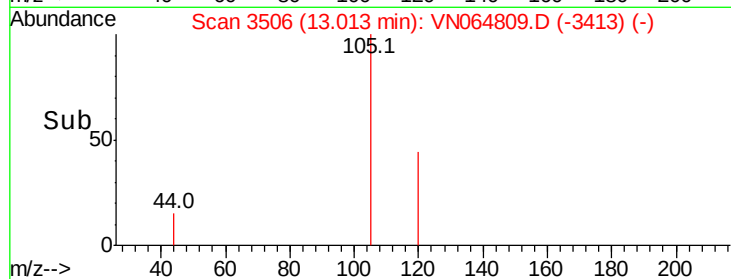
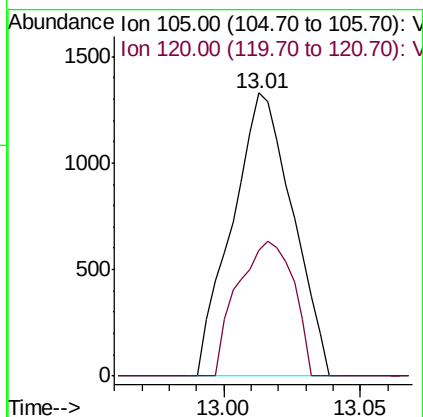
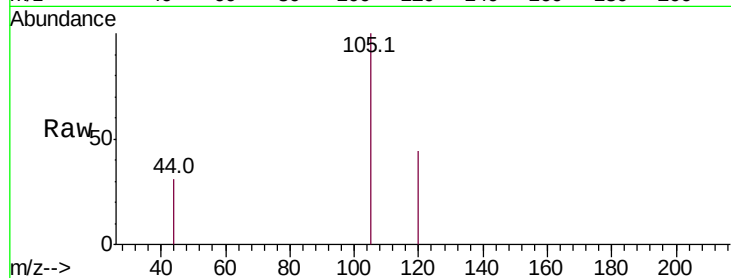
MW-8

Tot Ion:105 Resp: 2041

Ion Ratio Lower Upper

105 100

120 44.4 23.1 69.2



#85

sec-Butylbenzene

Concen: 0.214 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN064809.D

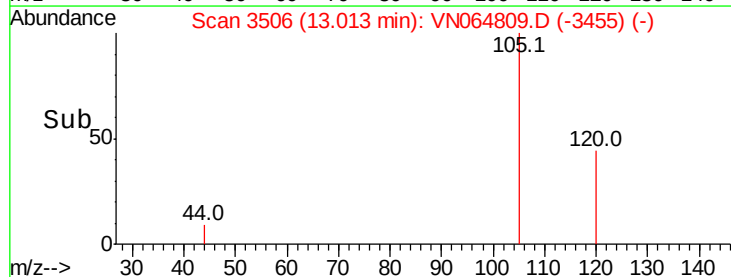
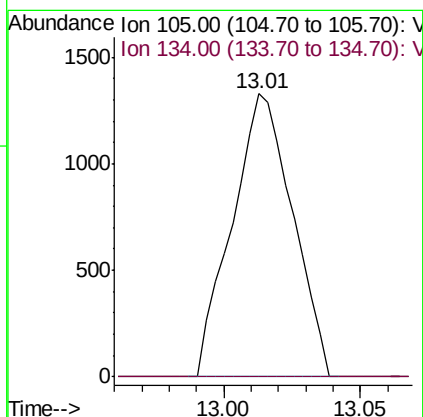
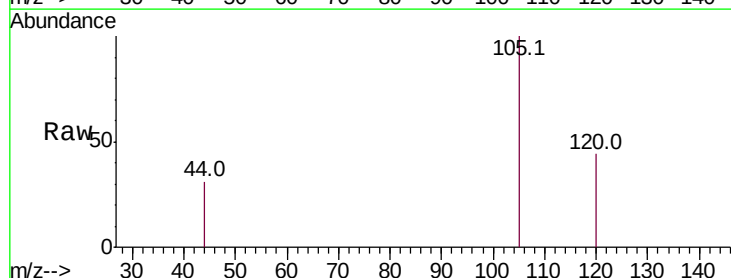
Acq: 24 Nov 2020 14:39

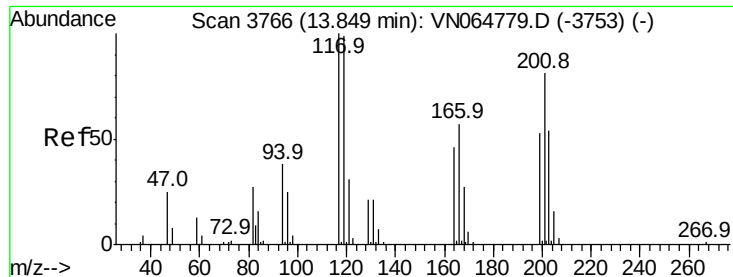
Tgt Ion:105 Resp: 2041

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#





#90

Hexachloroethane

Concen: 0.319 ug/l

RT: 13.97 min Scan# 3803

Delta R.T. 0.12 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

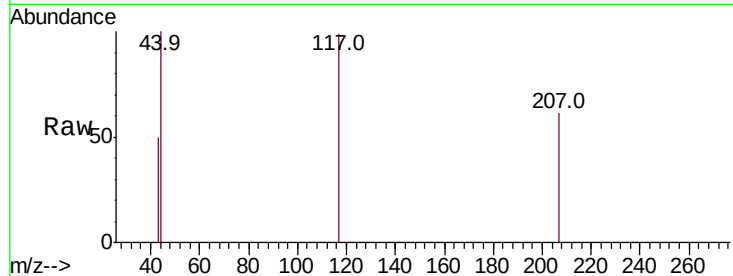
MW-8

Tot Ion:117 Resp: 480

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.97

400

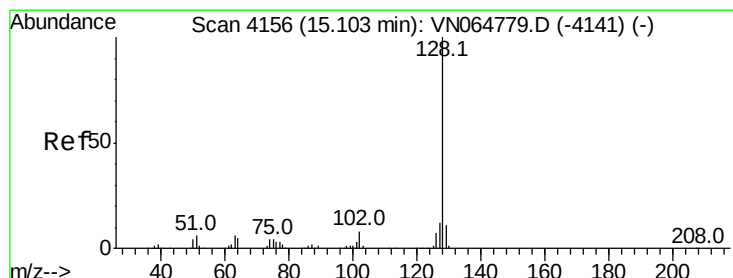
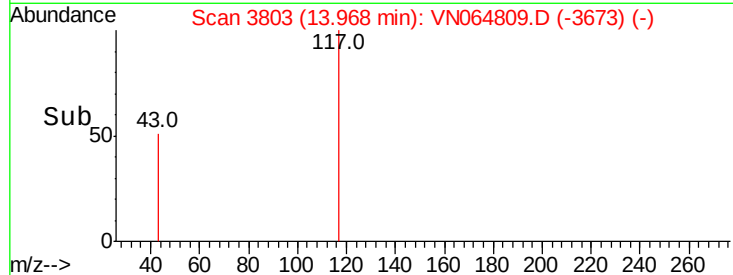
300

200

100

0

Time-->



#95

Naphthalene

Concen: 0.810 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064809.D

Acq: 24 Nov 2020 14:39

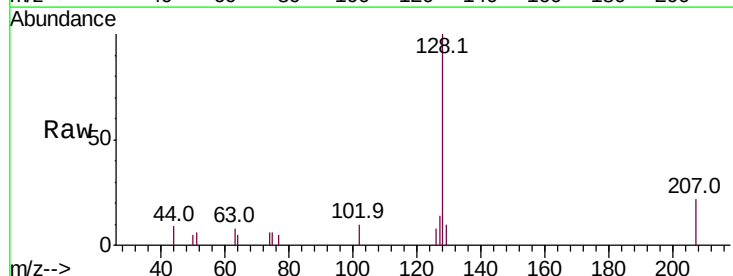
Tgt Ion:128 Resp: 7268

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

129 9.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

5000

4000

3000

2000

1000

0

Time-->

