

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064806.D
 Acq On : 24 Nov 2020 13:26
 Operator : JC/MD
 Sample : L4829-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Nov 25 04:03:25 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	173480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	315088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	324568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104565	51.85	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.70%
35) Dibromofluoromethane	7.55	113	97739	51.84	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.68%
50) Toluene-d8	10.06	98	390012	50.63	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.26%
62) 4-Bromofluorobenzene	12.37	95	156627	56.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.62%

Target Compounds

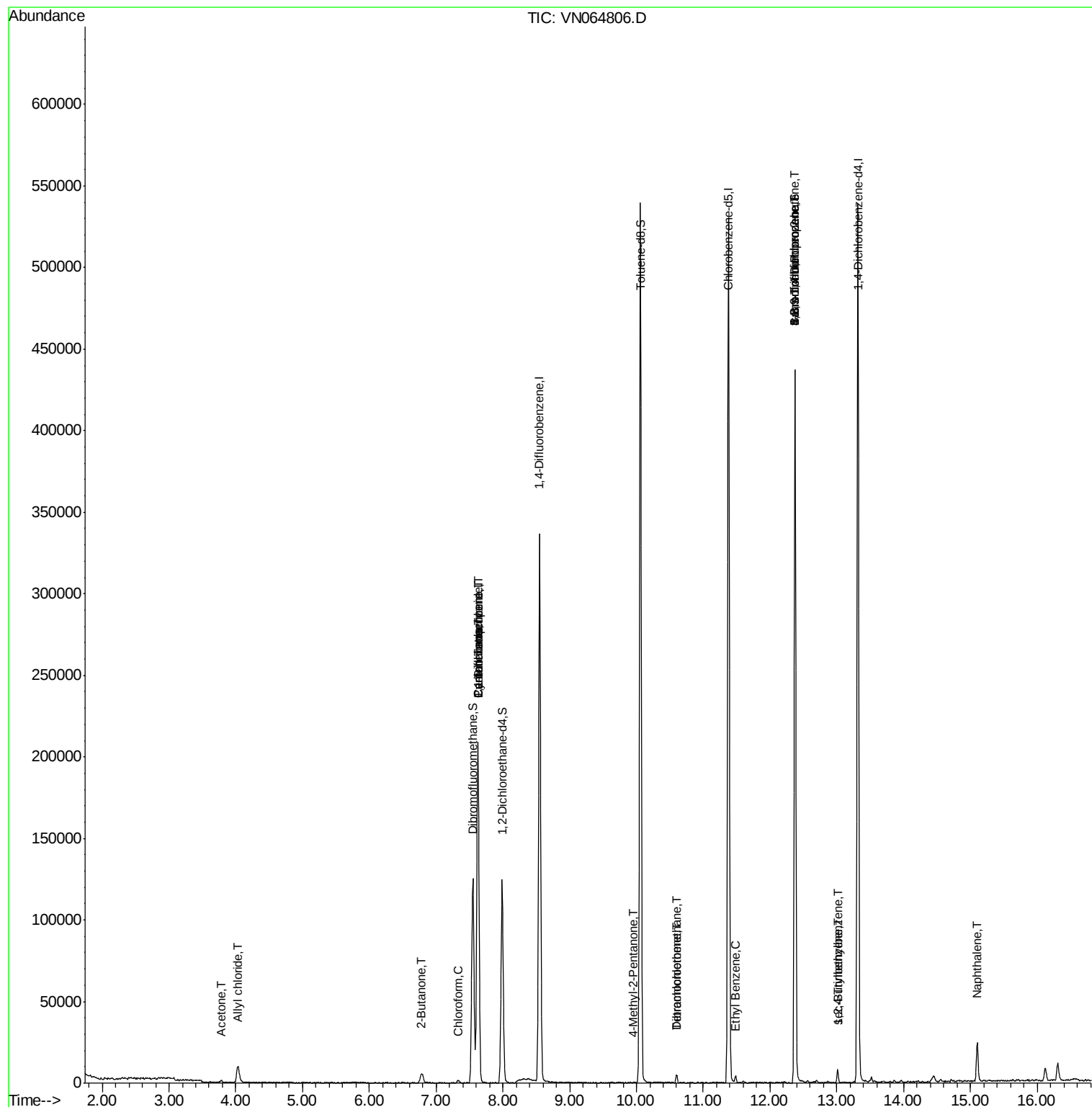
					Qvalue	
14) Allyl chloride	4.02	41	589	0.212	ug/l #	1
16) Acetone	3.78	43	2372	3.578	ug/l #	81
25) 2-Butanone	6.78	43	386	0.359	ug/l #	49
30) Chloroform	7.32	83	805	0.235	ug/l	92
31) Cyclohexane	7.63	56	3157	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11960	4.095	ug/l #	49
38) Carbon Tetrachloride	7.63	117	16384	5.392	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	590	0.217	ug/l #	35
60) Dibromochloromethane	10.60	129	1204	0.478	ug/l #	10
64) Tetrachloroethene	10.60	164	1180	0.374	ug/l #	91
67) Ethyl Benzene	11.48	91	3321	0.285	ug/l	99
71) Bromoform	12.37	173	974	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	74038	23.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	74038	63.143	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	4976	0.570	ug/l	99
85) sec-Butylbenzene	13.01	105	4976	0.518	ug/l #	56
95) Naphthalene	15.10	128	24028	2.656	ug/l	99

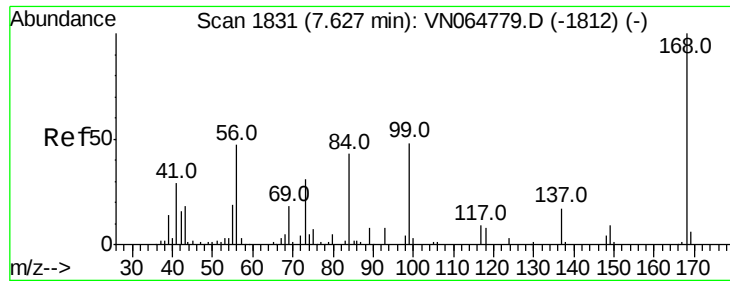
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064806.D
Acq On : 24 Nov 2020 13:26
Operator : JC/MD
Sample : L4829-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Quant Time: Nov 25 04:03:25 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: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

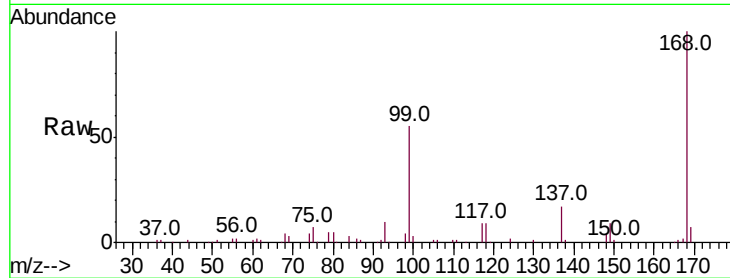
MW-4

Tot Ion:168 Resp: 173480

Ion Ratio Lower Upper

168 100

99 55.3 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

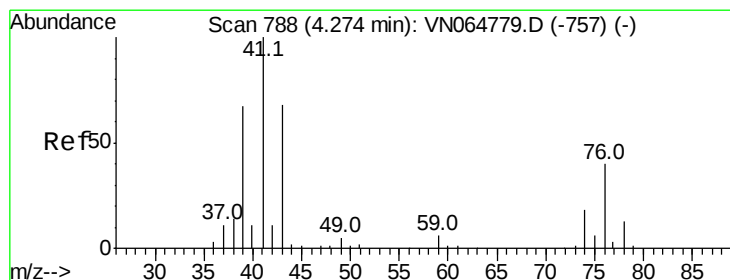
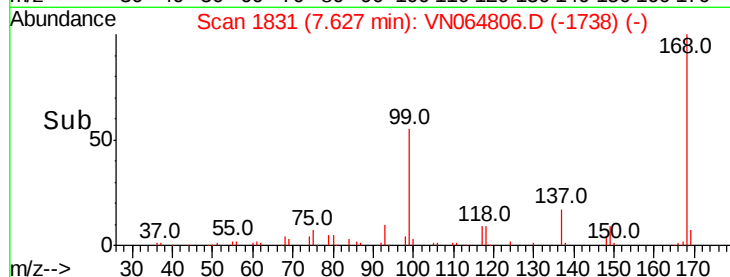
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#14

Allyl chloride

Concen: 0.212 ug/l

RT: 4.02 min Scan# 710

Delta R.T. -0.25 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

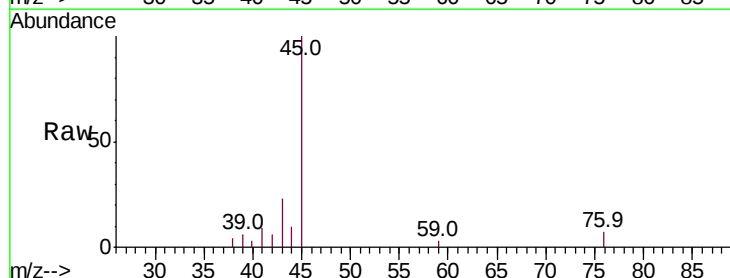
Tgt Ion: 41 Resp: 589

Ion Ratio Lower Upper

41 100

39 203.6 50.9 76.3#

76 0.0 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

4.02

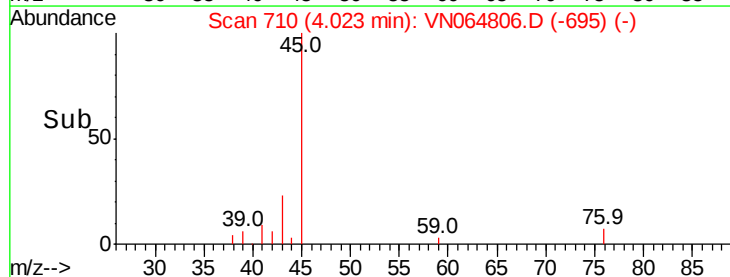
600

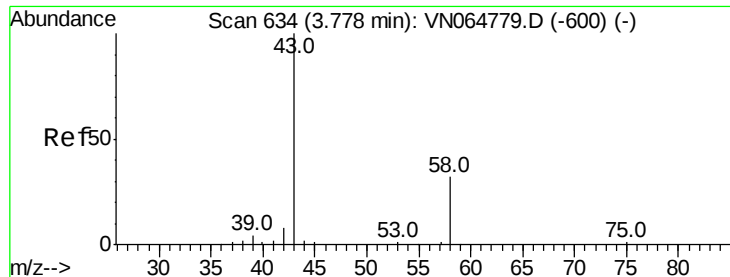
400

200

0

Time--> 4.00 4.02





#16

Acetone

Concen: 3.578 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

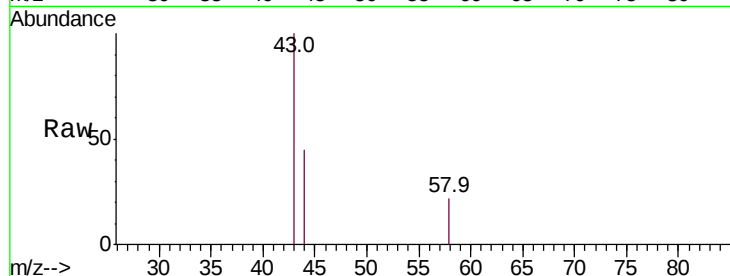
MW-4

Tot Ion: 43 Resp: 2372

Ion Ratio Lower Upper

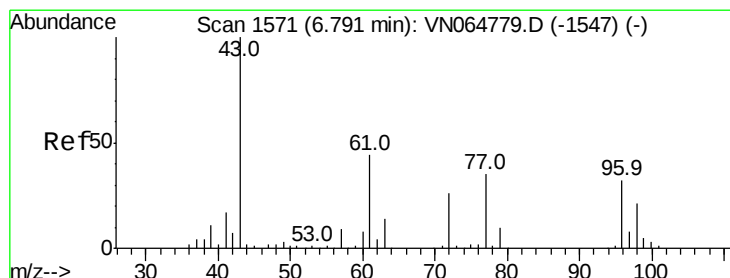
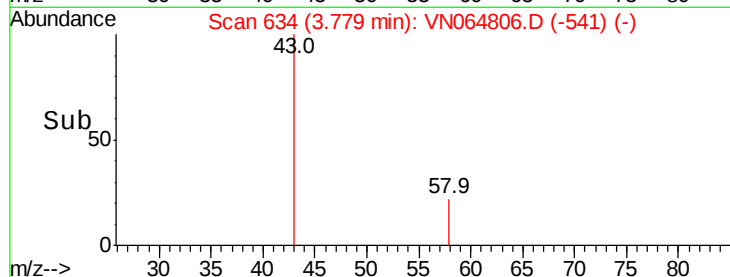
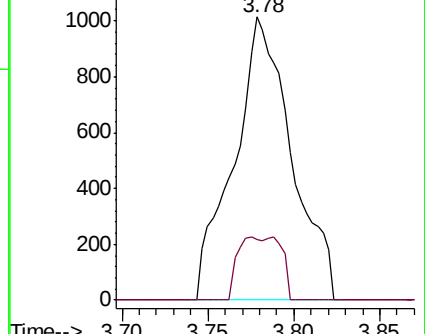
43 100

58 21.6 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#25

2-Butanone

Concen: 0.359 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN064806.D

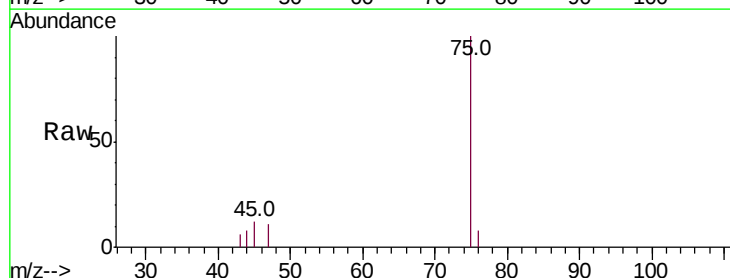
Acq: 24 Nov 2020 13:26

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

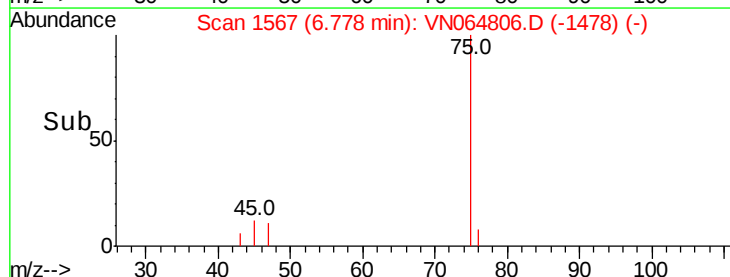
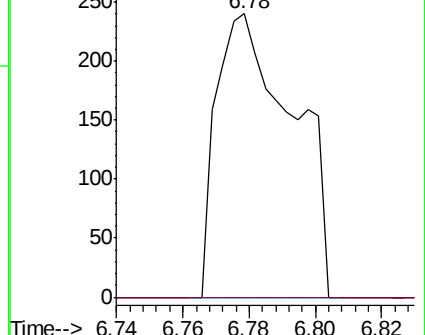
43 100

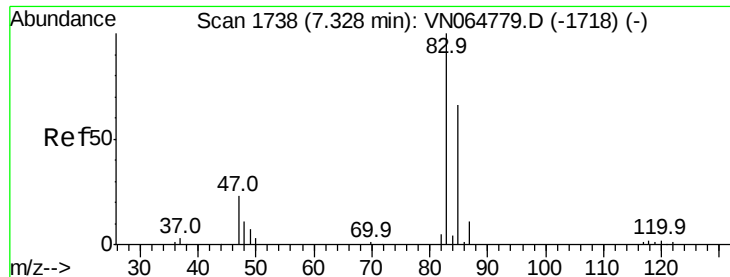
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#30

Chloroform

Concen: 0.235 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

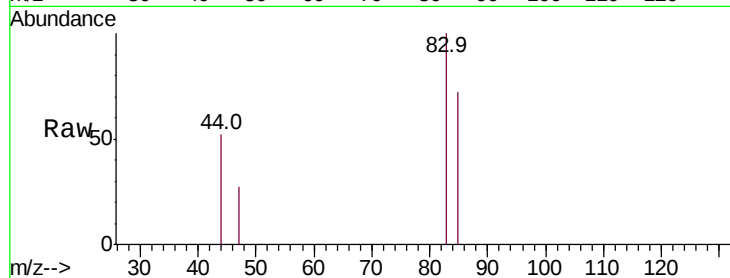
MW-4

Tot Ion: 83 Resp: 805

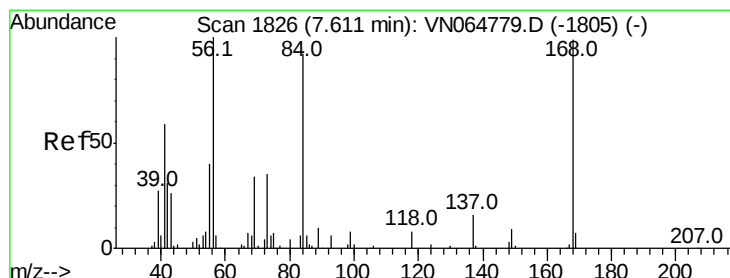
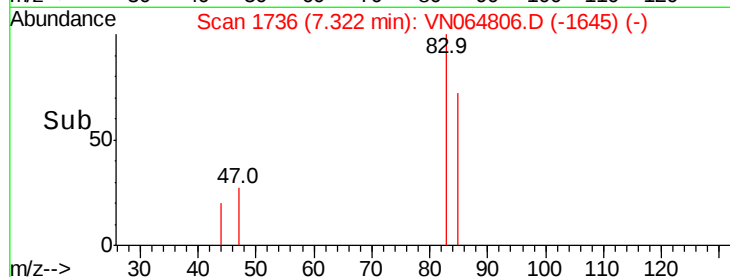
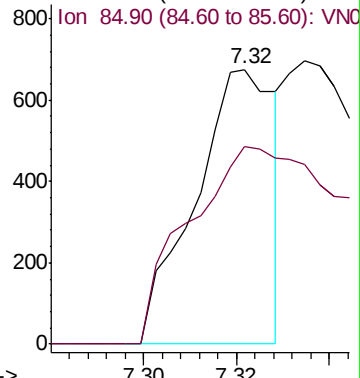
Ion Ratio Lower Upper

83 100

85 71.9 52.6 78.8



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



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

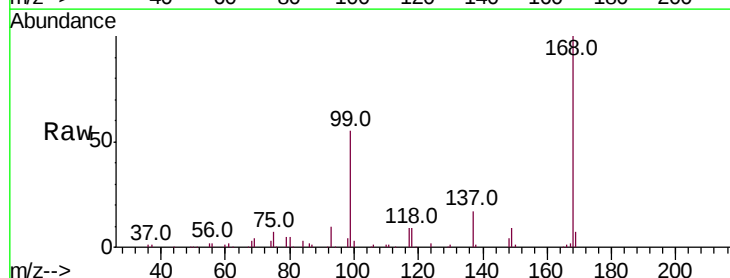
Tgt Ion: 56 Resp: 3157

Ion Ratio Lower Upper

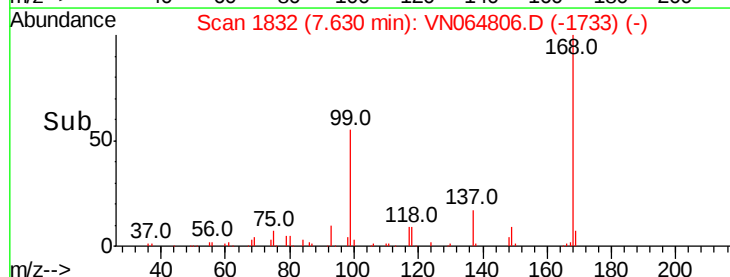
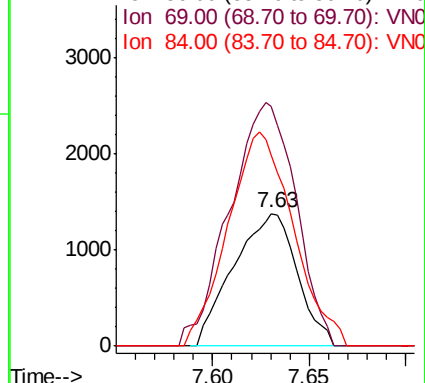
56 100

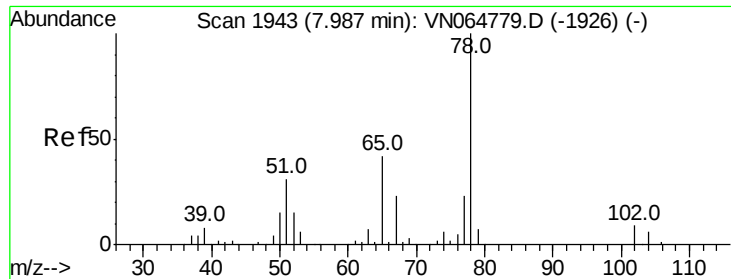
69 180.7 27.5 41.3#

84 132.7 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.846 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

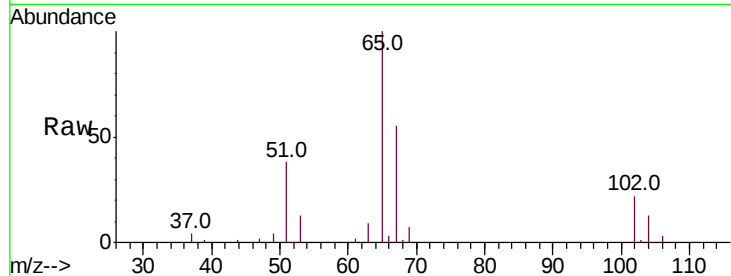
MW-4

Tot Ion: 65 Resp: 104565

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.2

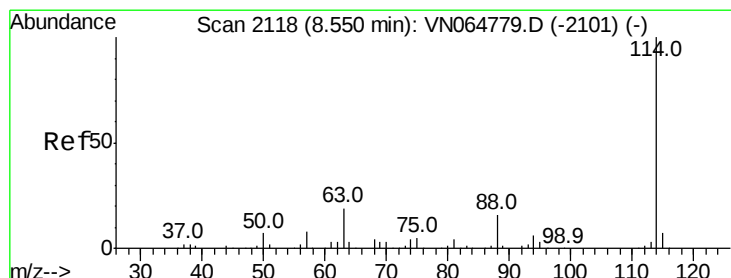
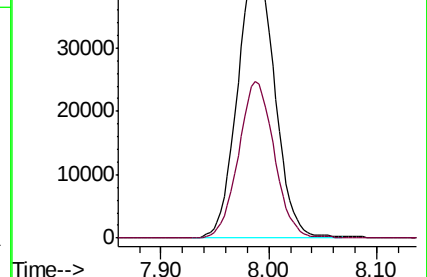
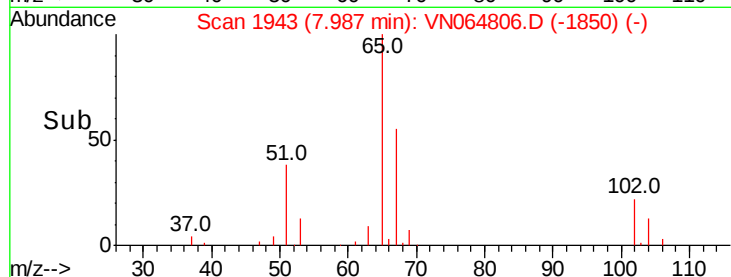


Abundance Ion 64.90 (64.60 to 65.60): VN064806.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064806.D (-1850) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

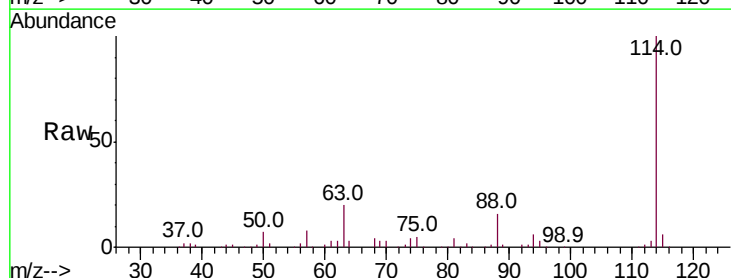
Tgt Ion: 114 Resp: 315088

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.7 0.0 32.6



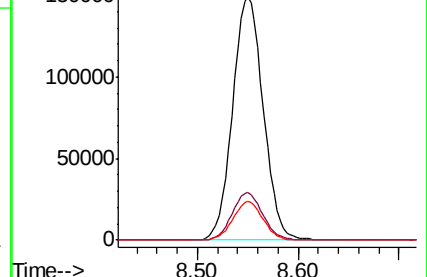
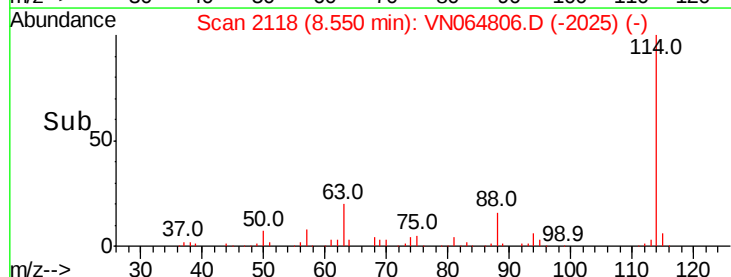
Abundance Ion 113.90 (113.60 to 114.60): VN064806.D (-2025) (-)

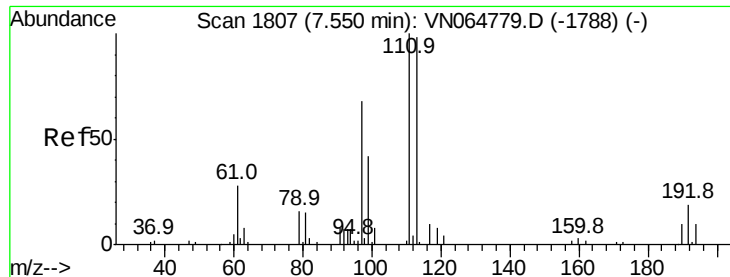
Ion 63.00 (62.70 to 63.70): VN064806.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064806.D (-2025) (-)

8.55

Time-->

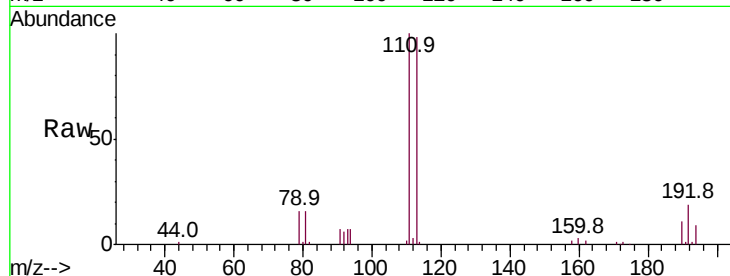




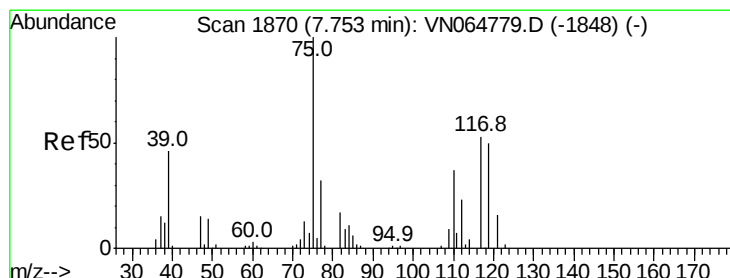
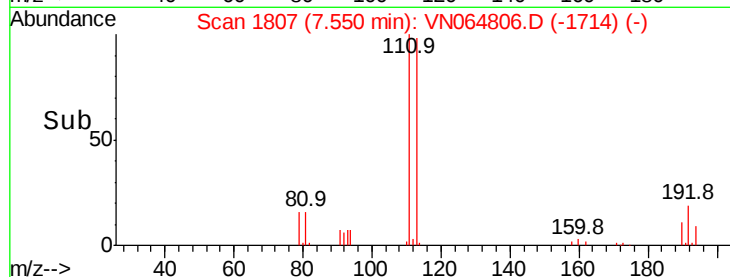
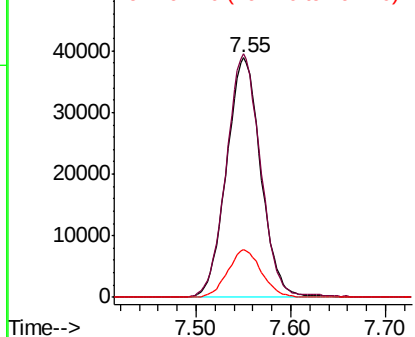
#35
 Dibromofluoromethane
 Concen: 51.840 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064806.D
 Acq: 24 Nov 2020 13:26

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:113 Resp: 97739
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.6 122.4
 192 19.5 16.2 24.2

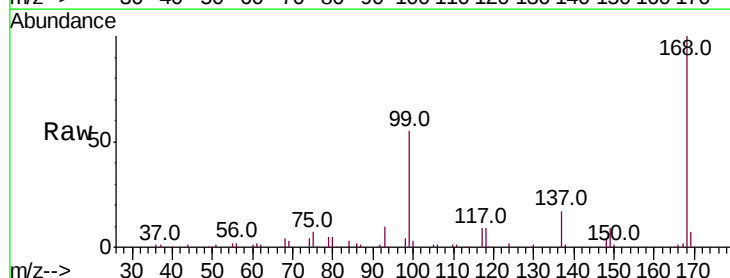


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

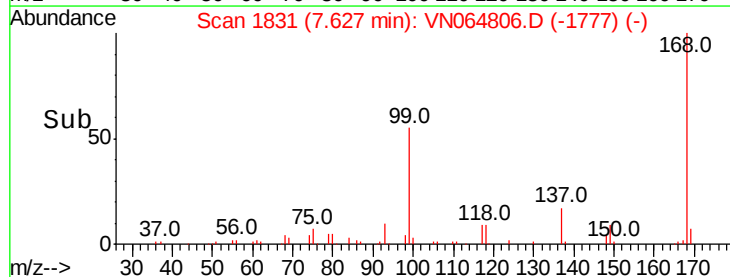
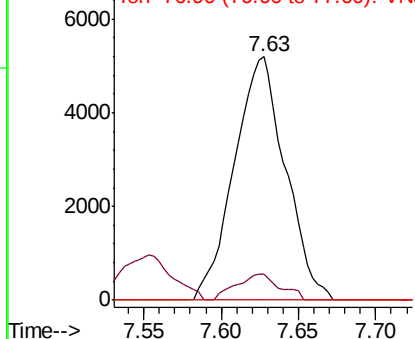


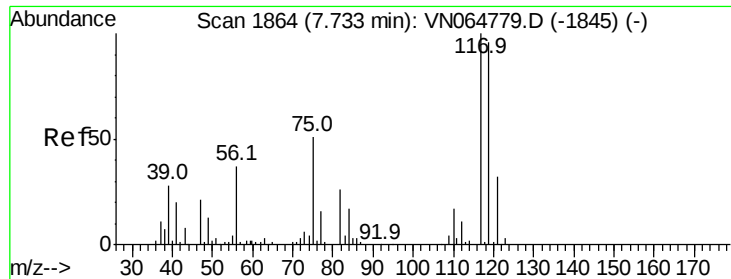
#36
 1,1-Dichloropropene
 Concen: 4.095 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064806.D
 Acq: 24 Nov 2020 13:26

Tgt Ion: 75 Resp: 11960
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

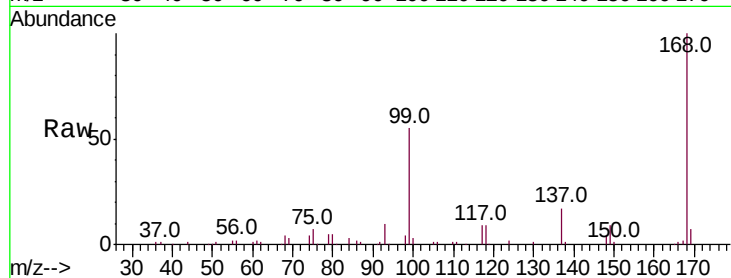




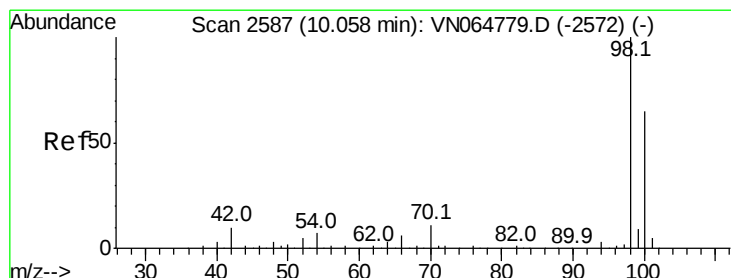
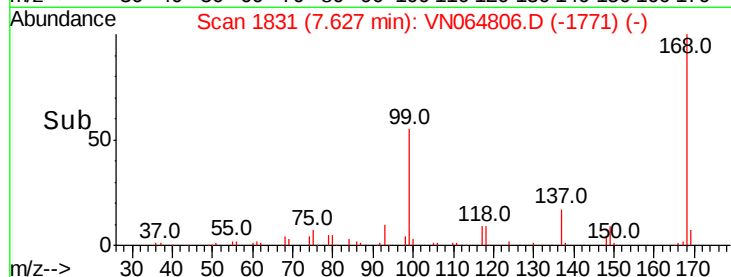
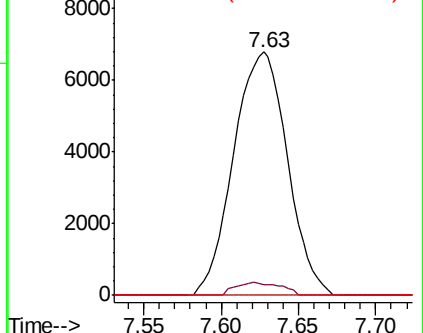
#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064806.D
Acq: 24 Nov 2020 13:26

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:117 Resp: 16384
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 25.4 38.2#

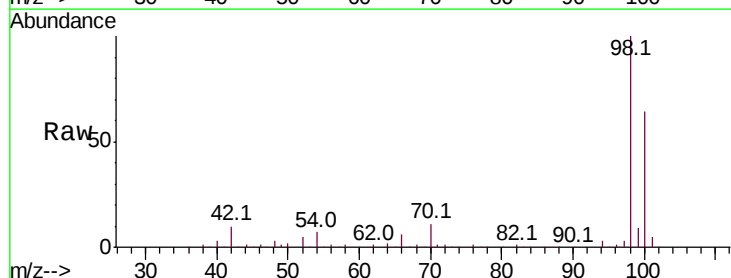


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

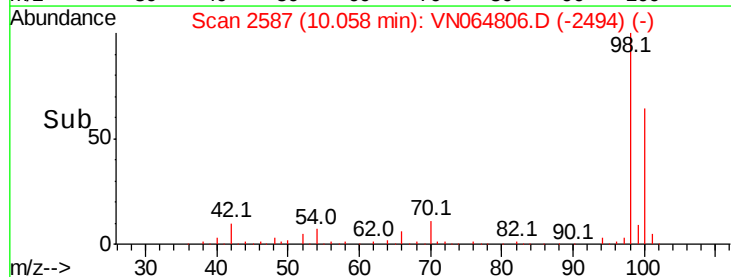
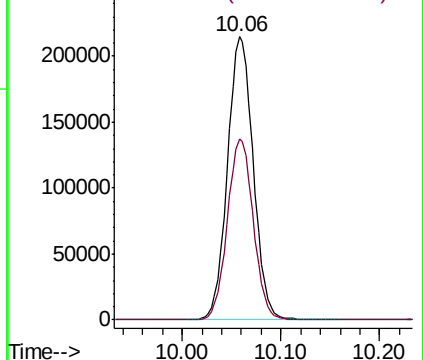


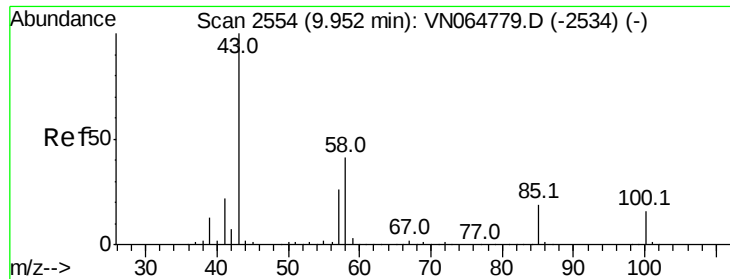
#50
Toluene-d8
Concen: 50.628 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064806.D
Acq: 24 Nov 2020 13:26

Tgt Ion: 98 Resp: 390012
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.217 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

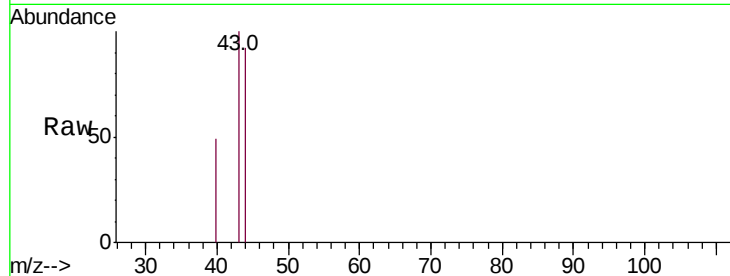
MW-4

Tot Ion: 43 Resp: 590

Ion Ratio Lower Upper

43 100

58 0.0 32.4 48.6#



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

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.96

400

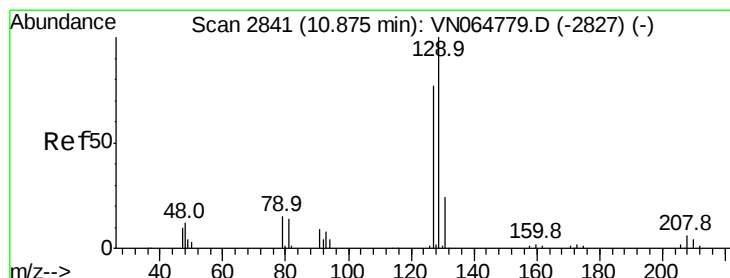
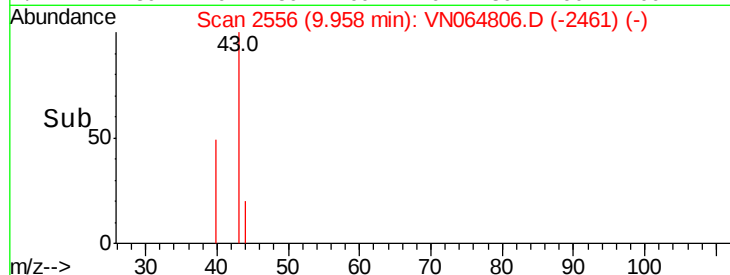
300

200

100

0

Time-->



#60

Dibromochloromethane

Concen: 0.478 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN064806.D

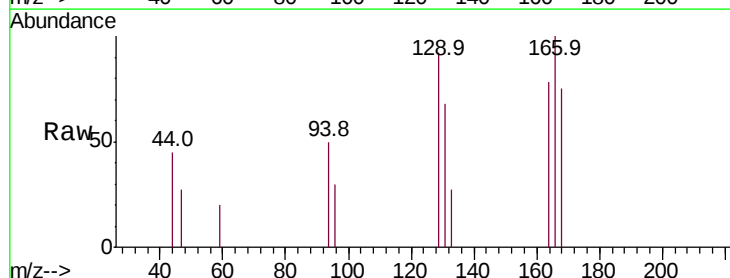
Acq: 24 Nov 2020 13:26

Tgt Ion: 129 Resp: 1204

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) (-)

10.60

800

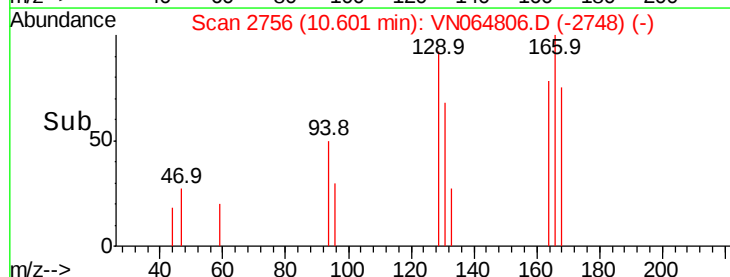
600

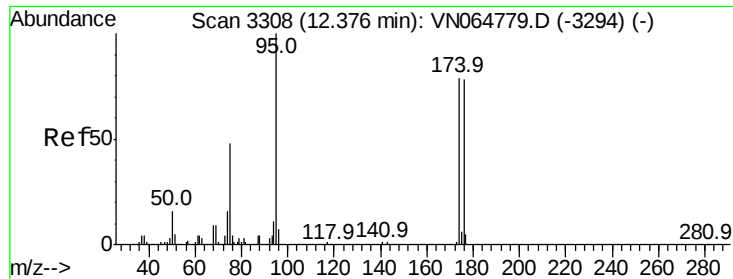
400

200

0

Time-->

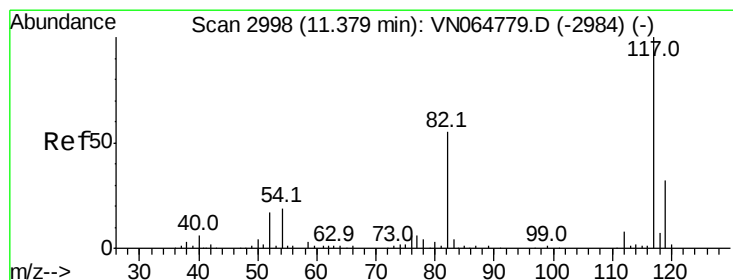
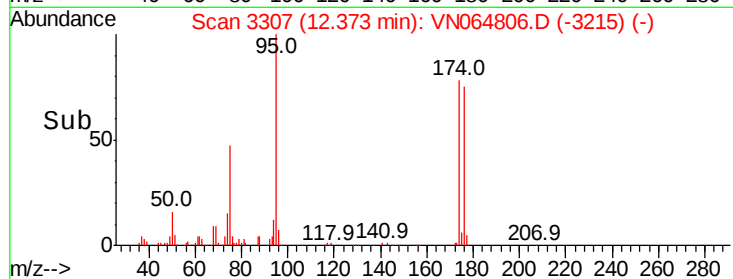
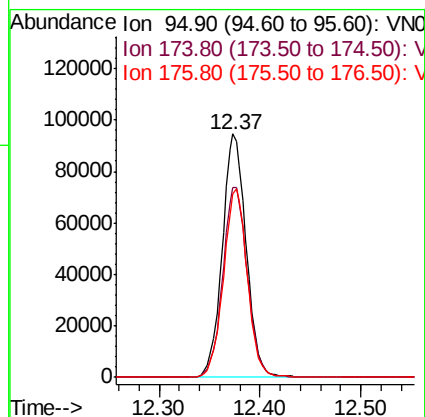
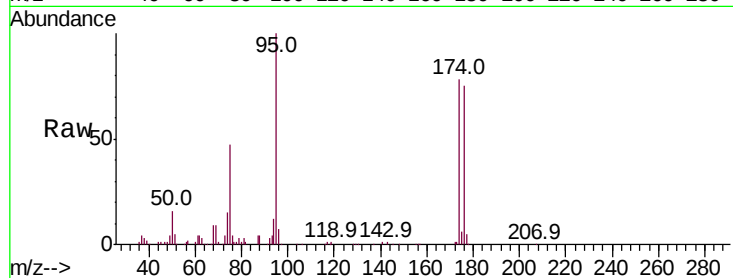




#62
4-Bromofluorobenzene
Concen: 56.812 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064806.D
Acq: 24 Nov 2020 13:26

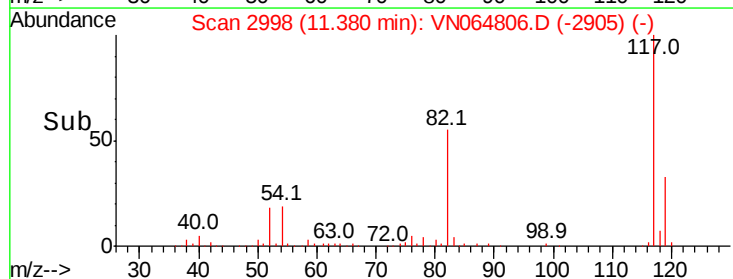
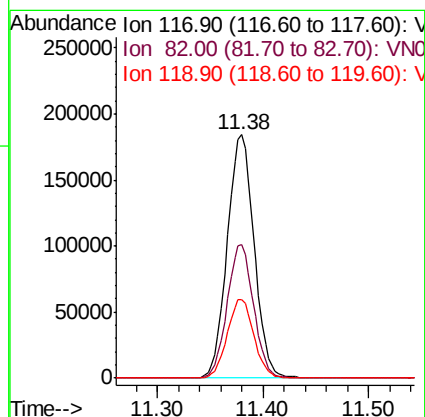
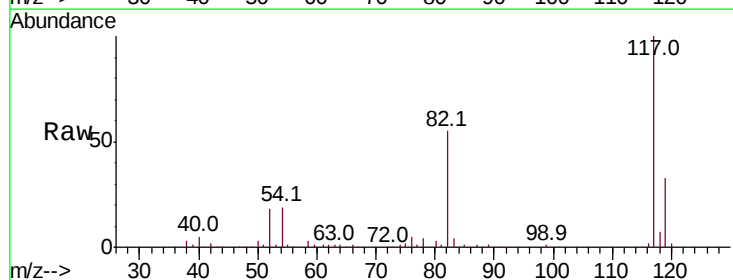
Instrument :
MSVOA_N
ClientSampled :
MW-4

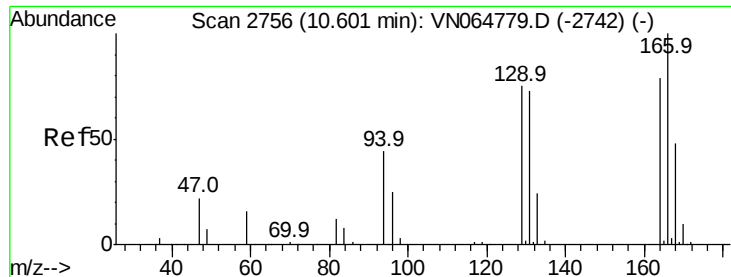
Tot Ion: 95 Resp: 156627
Ion Ratio Lower Upper
95 100
174 80.4 0.0 160.4
176 77.2 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064806.D
Acq: 24 Nov 2020 13:26

Tgt Ion: 117 Resp: 324568
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.5 25.8 38.6





#64

Tetrachloroethene

Concen: 0.374 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:164 Resp: 1180

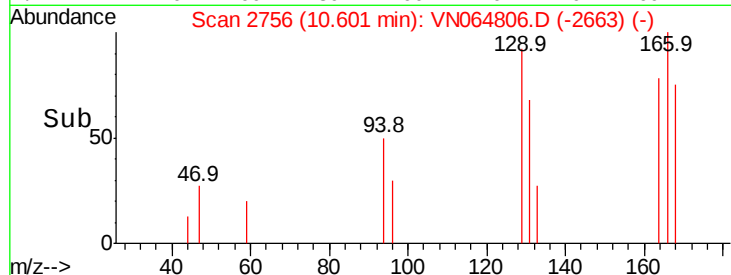
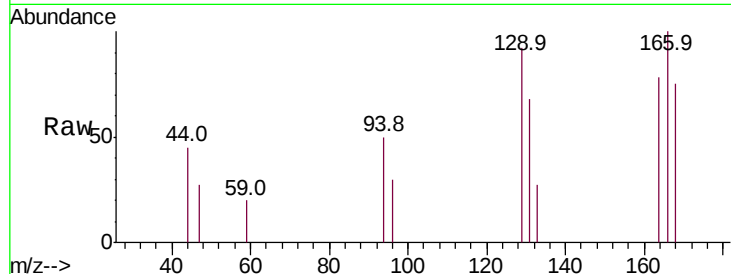
Ion Ratio Lower Upper

164 100

166 128.6 101.4 152.0

129 118.1 76.1 114.1#

131 88.0 74.2 111.2

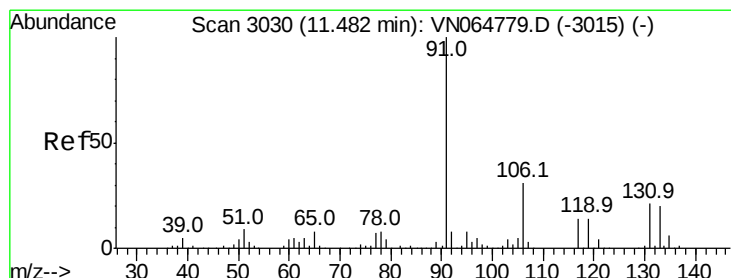
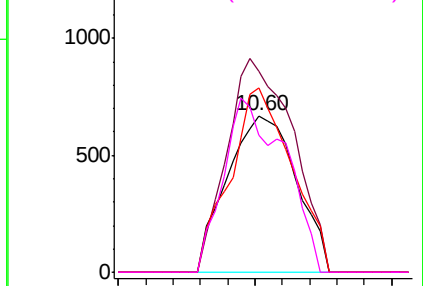


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 0.285 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064806.D

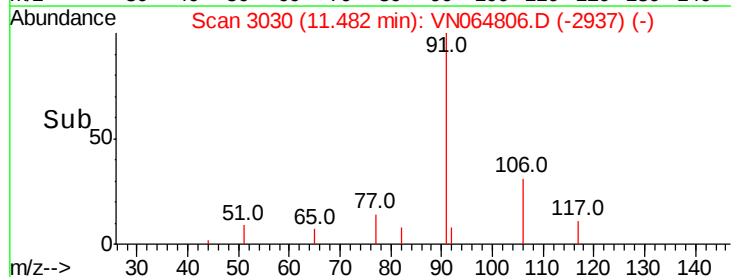
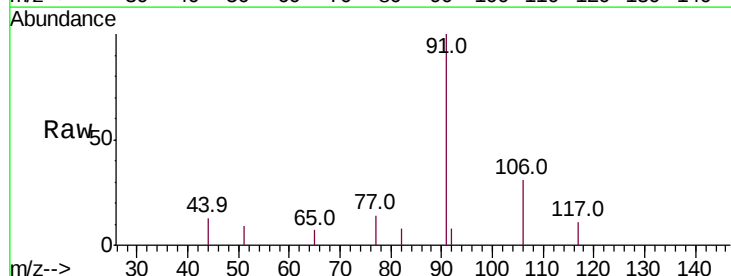
Acq: 24 Nov 2020 13:26

Tgt Ion: 91 Resp: 3321

Ion Ratio Lower Upper

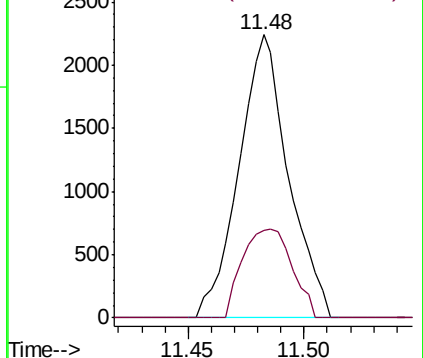
91 100

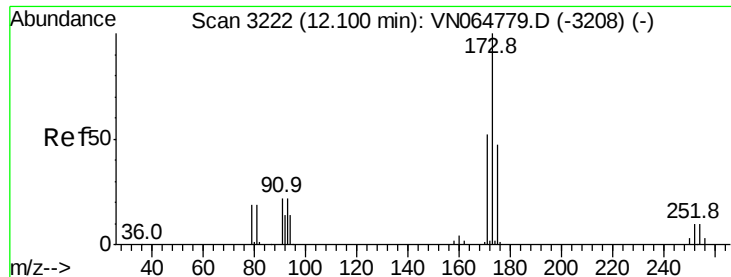
106 31.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#71

Bromoform

Concen: 0.476 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

MW-4

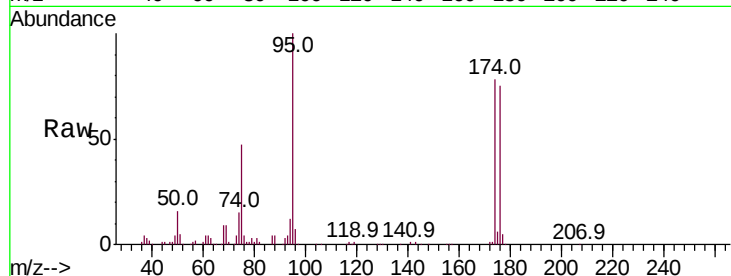
Tot Ion:173 Resp: 974

Ion Ratio Lower Upper

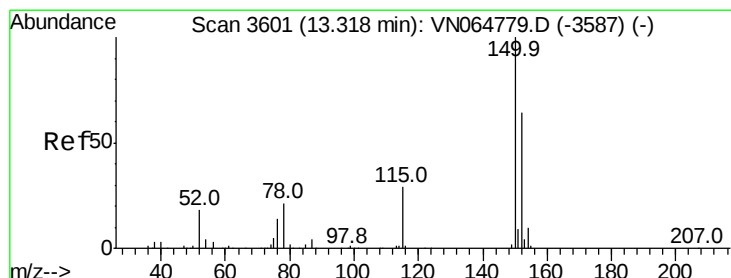
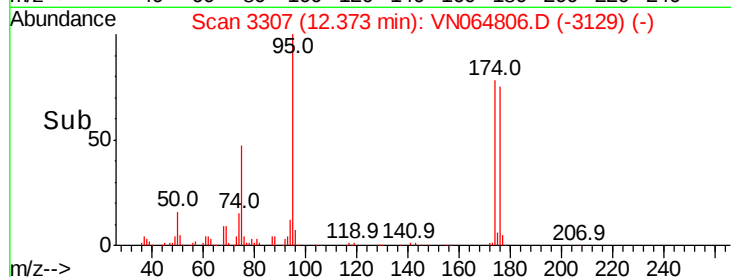
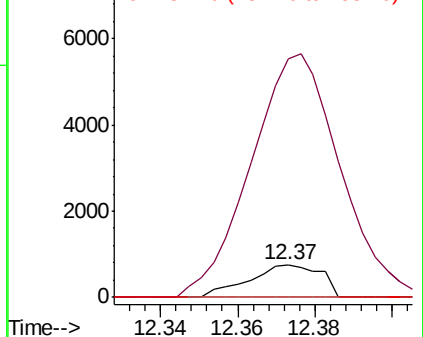
173 100

175 810.3 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: VN064806.D

Acq: 24 Nov 2020 13:26

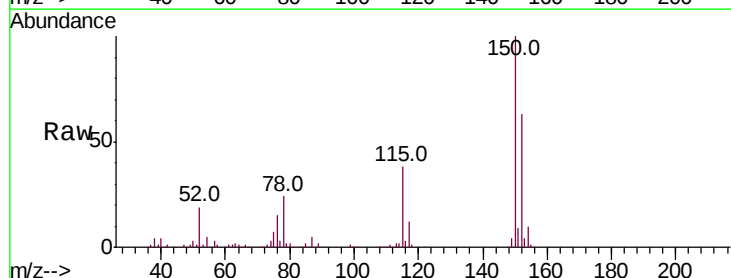
Tgt Ion:152 Resp: 149225

Ion Ratio Lower Upper

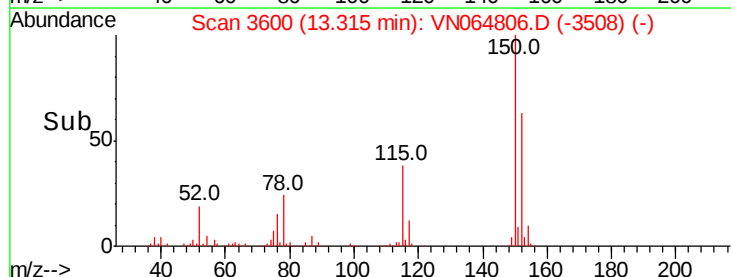
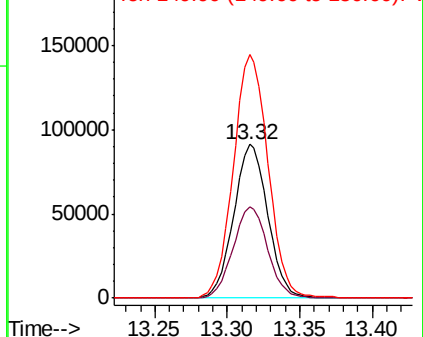
152 100

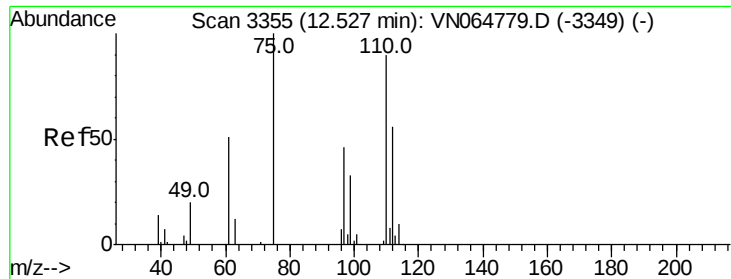
115 60.1 29.7 89.1

150 161.0 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: 23.038 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

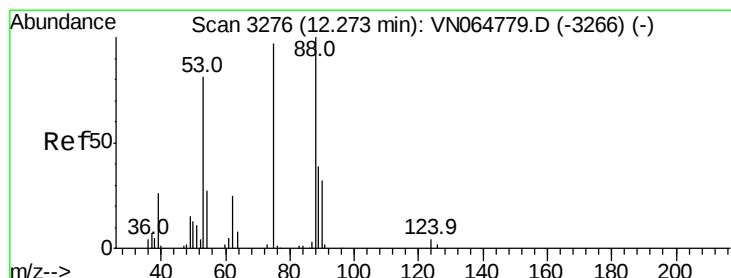
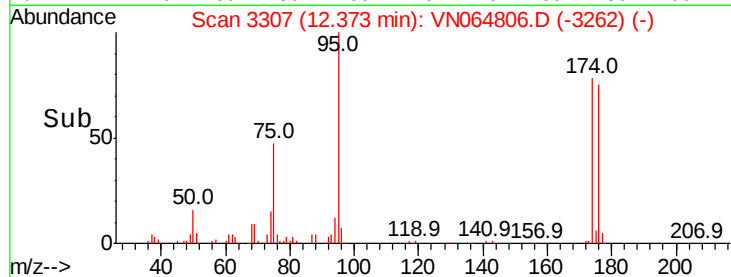
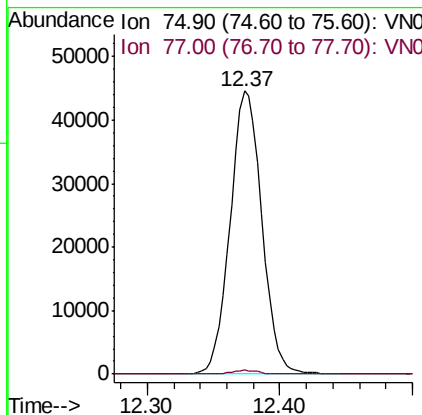
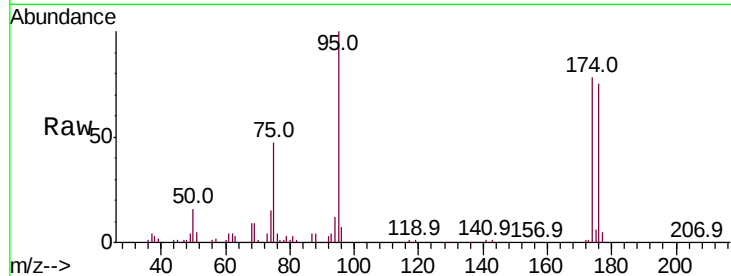
MW-4

Tot Ion: 75 Resp: 74038

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.143 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

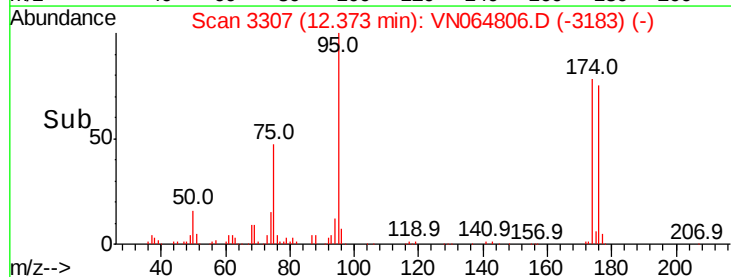
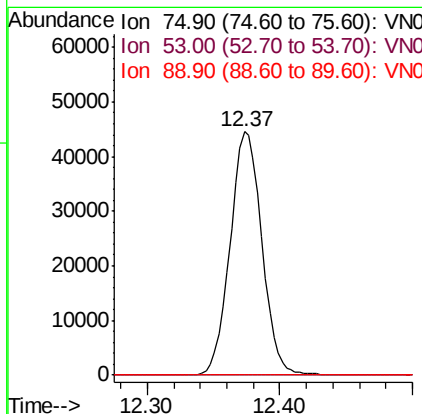
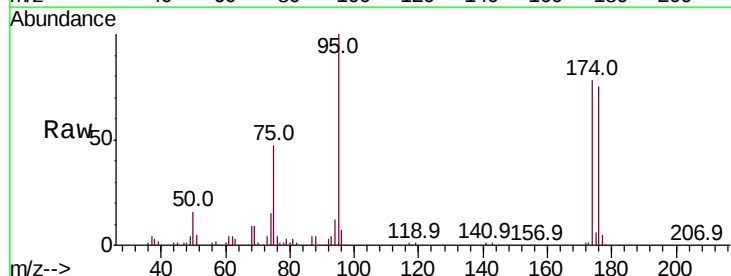
Tgt Ion: 75 Resp: 74038

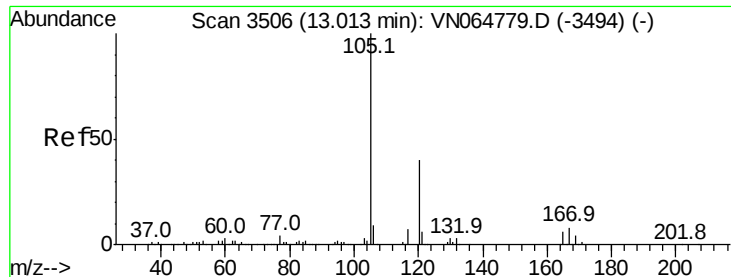
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.570 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

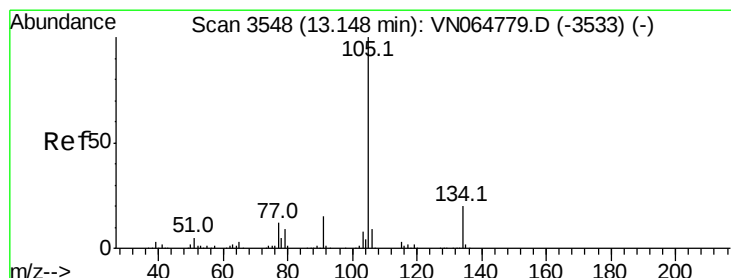
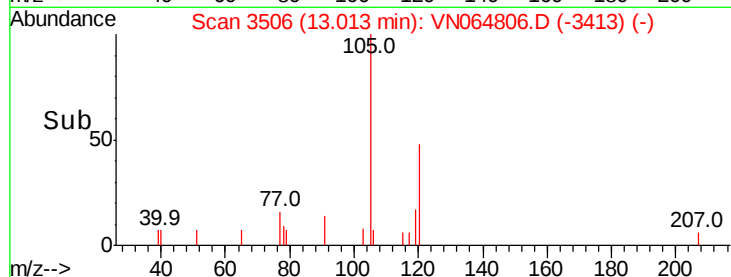
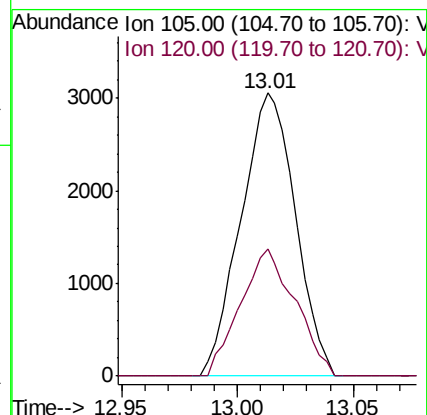
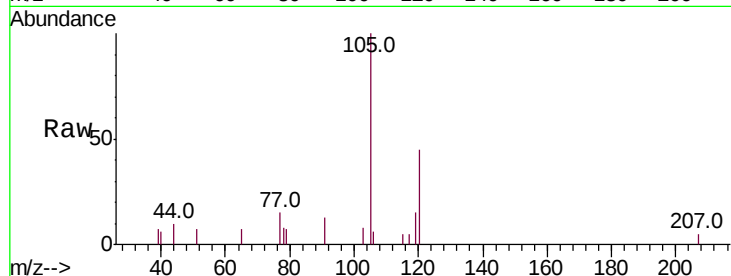
MW-4

Tot Ion:105 Resp: 4976

Ion Ratio Lower Upper

105 100

120 45.1 23.1 69.2



#85

sec-Butylbenzene

Concen: 0.518 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN064806.D

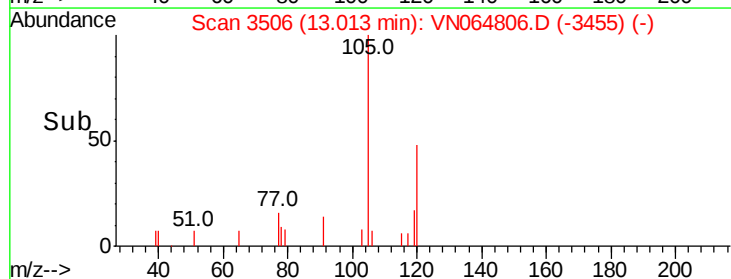
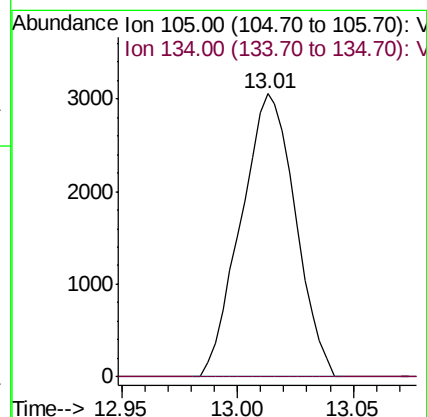
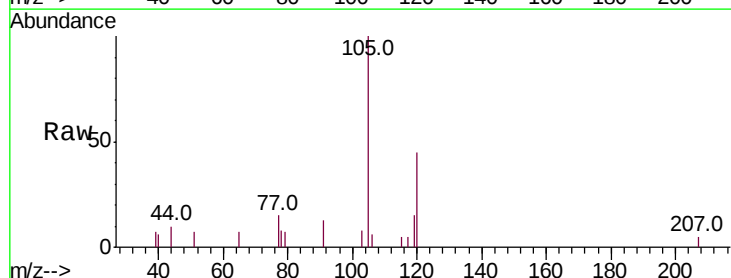
Acq: 24 Nov 2020 13:26

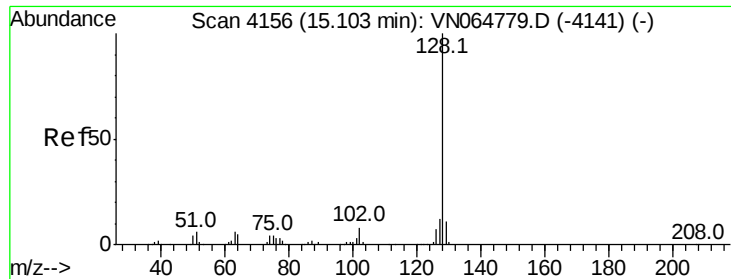
Tgt Ion:105 Resp: 4976

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#





#95

Naphthalene

Concen: 2.656 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064806.D

Acq: 24 Nov 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

MW-4

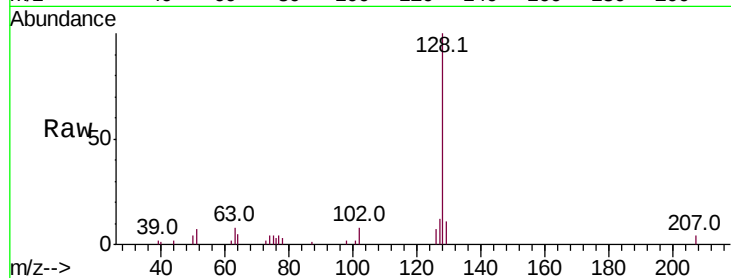
Tot Ion:128 Resp: 24028

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.4 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

