

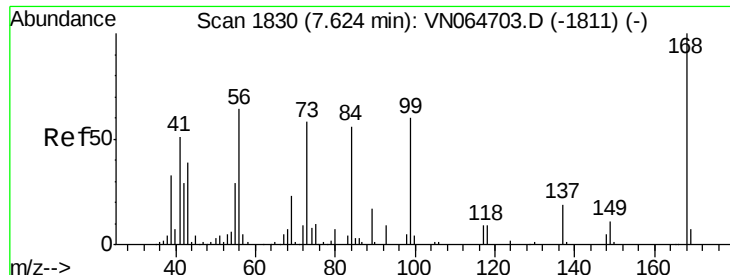
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064731.D
 Acq On : 19 Nov 2020 14:25
 Operator : JC/MD
 Sample : L4783-18DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5DL

Quant Time: Nov 23 07:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	484762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	505333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	223238	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	221448	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
35) Dibromofluoromethane	7.55	113	146061	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.88%	
50) Toluene-d8	10.06	98	630722	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.38	95	269050	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	35003	84.076	ug/l #	82
19) Methyl tert-butyl Ether	5.00	73	46277	5.273	ug/l #	1
31) Cyclohexane	7.62	56	35993	7.758	ug/l #	78
39) Methylcyclohexane	9.05	83	16919	3.829	ug/l	95
40) Benzene	8.00	78	762617	54.880	ug/l	100
52) Toluene	10.12	92	74603	8.717	ug/l	96
67) Ethyl Benzene	11.48	91	1060468	55.953	ug/l	100
68) m/p-Xylenes	11.59	106	18871	6.414	ug/l	90
73) Isopropylbenzene	12.22	105	422298	26.644	ug/l	100
78) n-propylbenzene	12.57	91	602462	32.639	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	5284	0.393	ug/l	88
85) sec-Butylbenzene	13.14	105	17566	1.294	ug/l #	66
89) n-Butylbenzene	13.59	91	24351	2.089	ug/l #	80
95) Naphthalene	15.10	128	274224	21.855	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

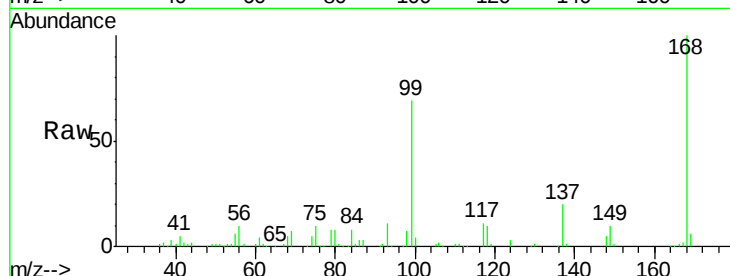
MW-5DL

Tot Ion:168 Resp: 243941

Ion Ratio Lower Upper

168 100

99 68.9 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

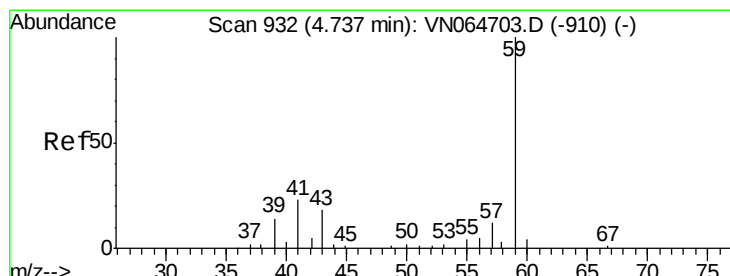
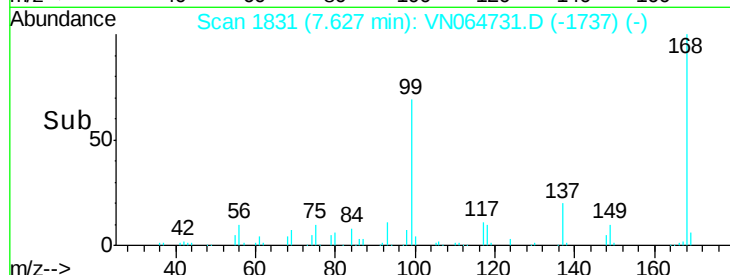
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 84.076 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN064731.D

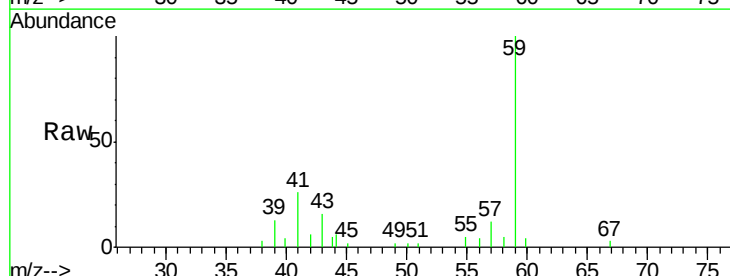
Acq: 19 Nov 2020 14:25

Tgt Ion: 59 Resp: 35003

Ion Ratio Lower Upper

59 100

57 4.4 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

10000

8000

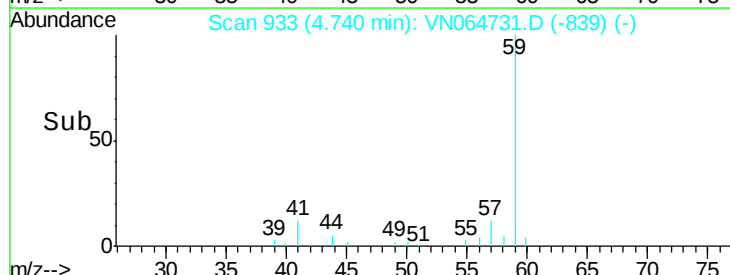
6000

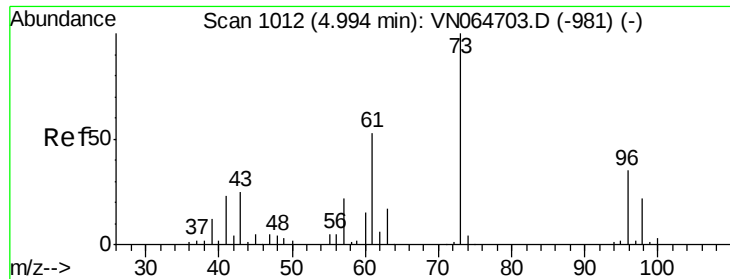
4000

2000

0

Time--> 4.60 4.70 4.80

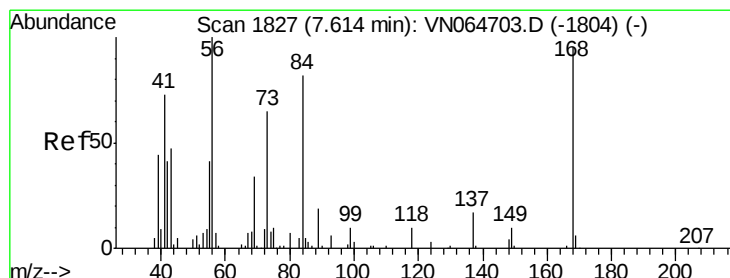
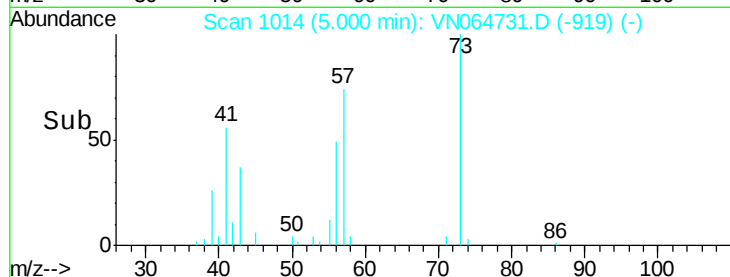
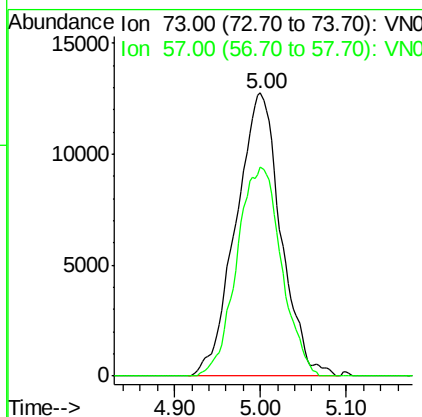
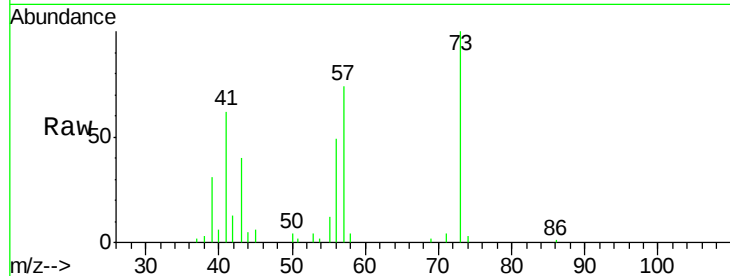




#19
Methvl tert-butvl Ether
Concen: 5.273 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

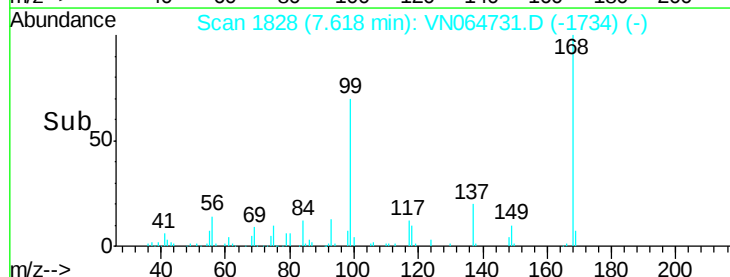
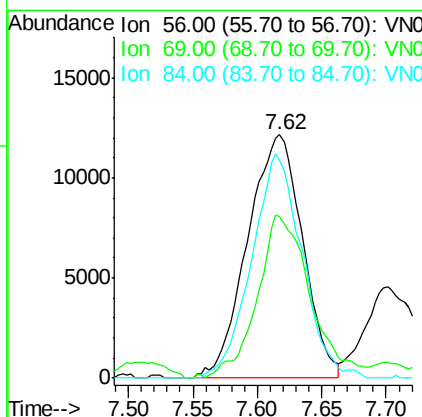
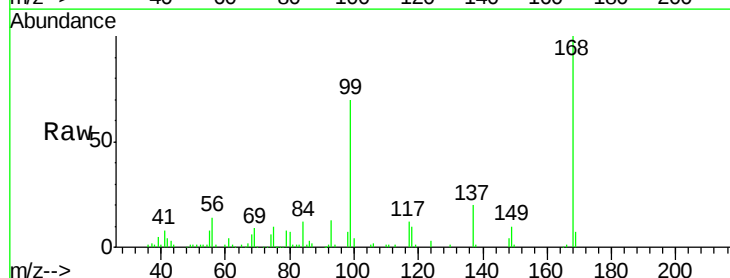
Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

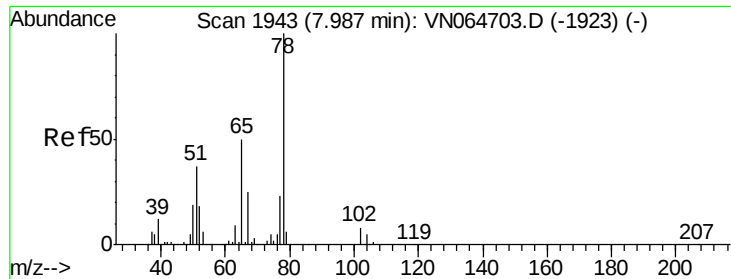
Tot Ion: 73 Resp: 46277
Ion Ratio Lower Upper
73 100
57 73.7 17.3 25.9#



#31
Cyclohexane
Concen: 7.758 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Tgt Ion: 56 Resp: 35993
Ion Ratio Lower Upper
56 100
69 66.2 27.2 40.8#
84 89.8 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.604 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampled :

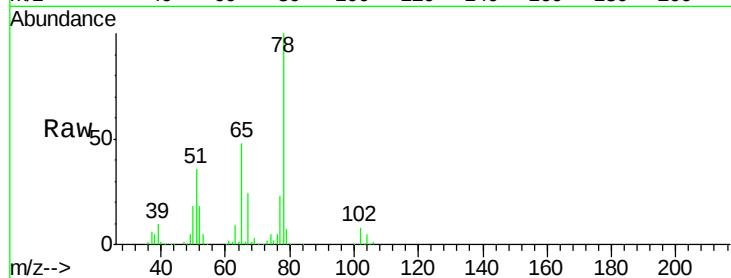
MW-5DL

Tot Ion: 65 Resp: 221448

Ion Ratio Lower Upper

65 100

67 49.6 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064731.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064731.D (-1850) (-)

7.99

100000

80000

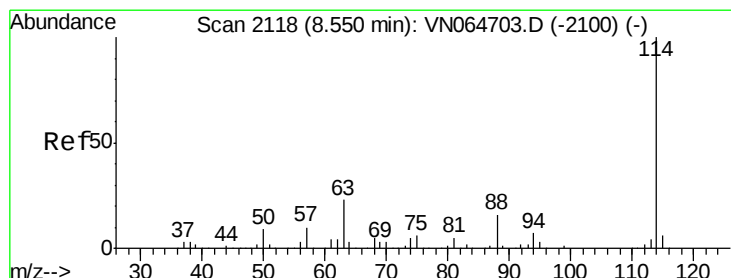
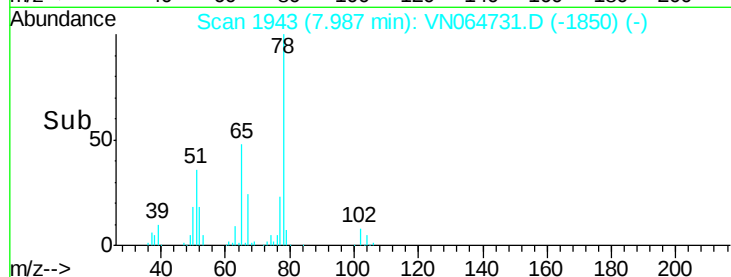
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

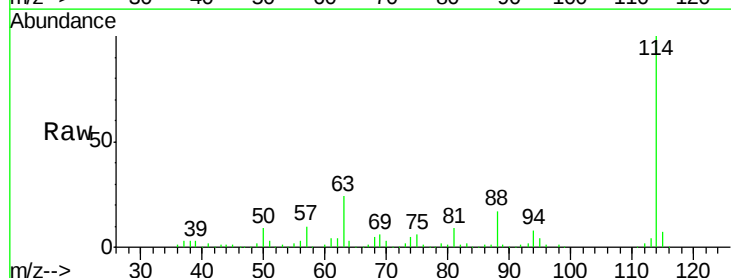
Tgt Ion: 114 Resp: 484762

Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.0

88 16.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN064731.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064731.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064731.D (-2025) (-)

8.55

300000

250000

200000

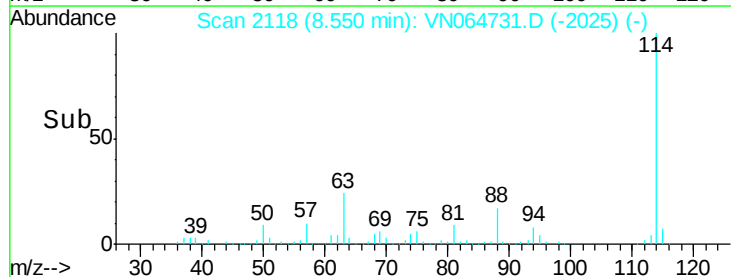
150000

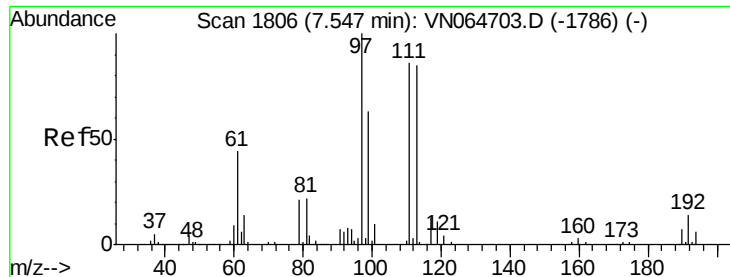
100000

50000

0

Time-->

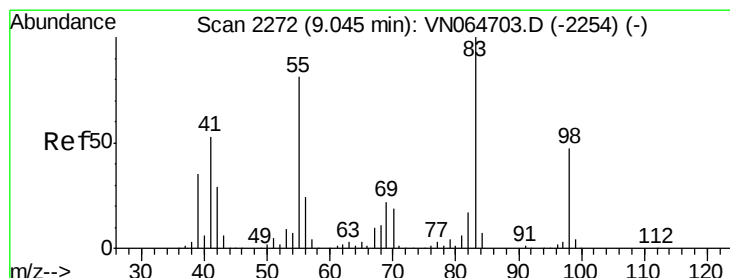
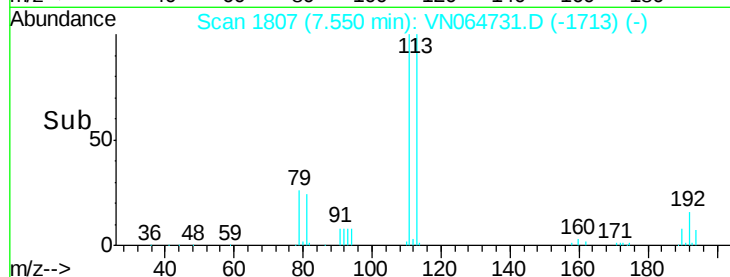
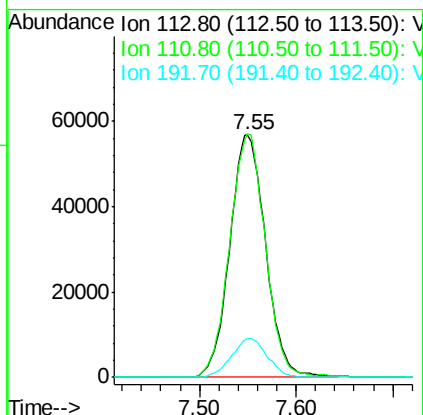
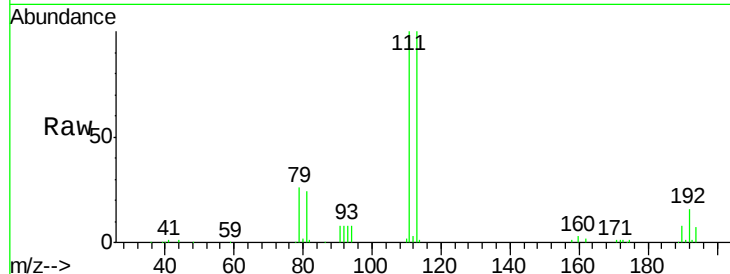




#35
 Dibromofluoromethane
 Concen: 52.937 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064731.D
 Acq: 19 Nov 2020 14:25

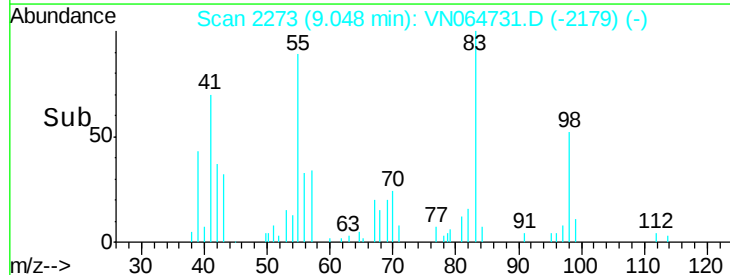
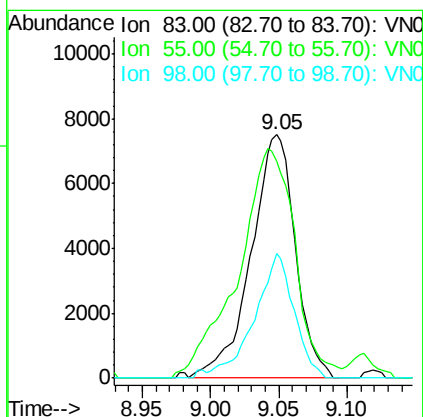
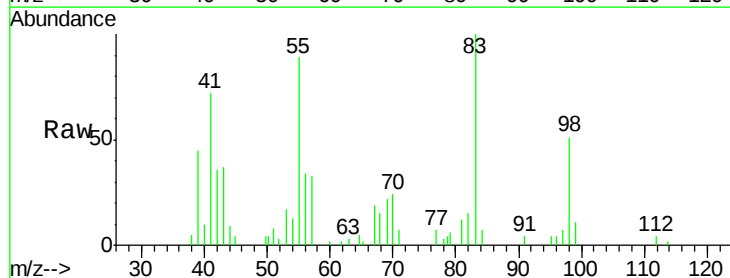
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5DL

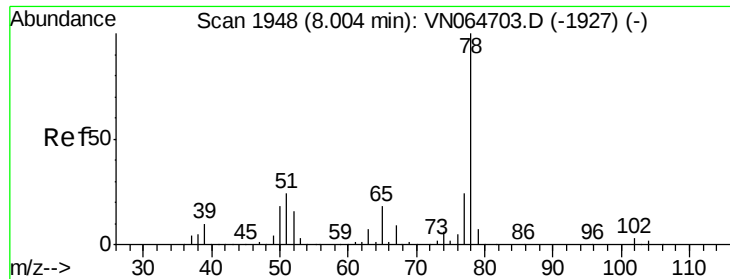
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.2	123.4
192	15.9	12.7	19.1



#39
 Methylcyclohexane
 Concen: 3.829 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064731.D
 Acq: 19 Nov 2020 14:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	64.6	97.0
98	51.1	37.7	56.5





#40

Benzene

Concen: 54.880 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

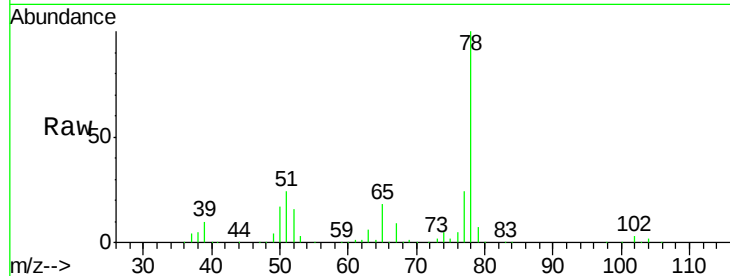
MW-5DL

Tot Ion: 78 Resp: 762617

Ion Ratio Lower Upper

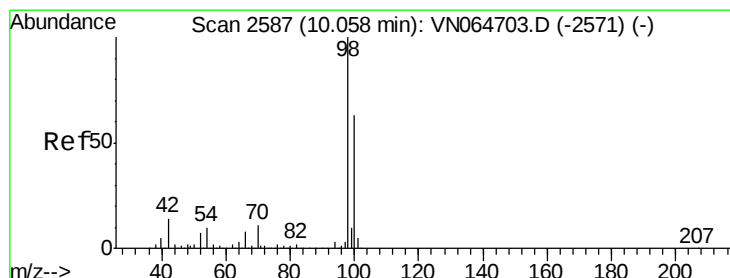
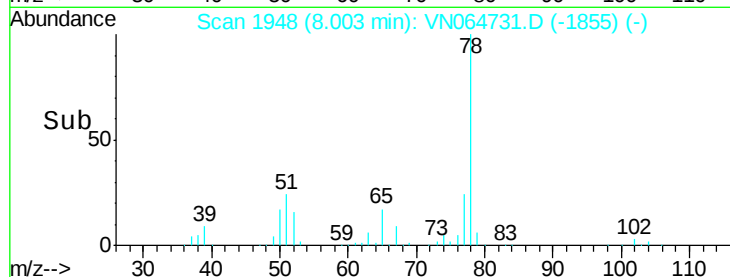
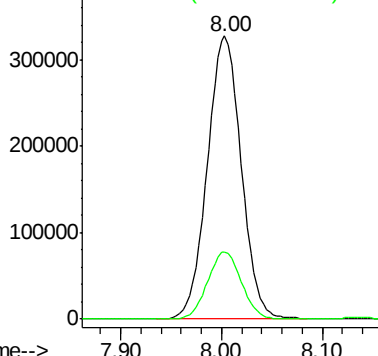
78 100

77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 50.297 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064731.D

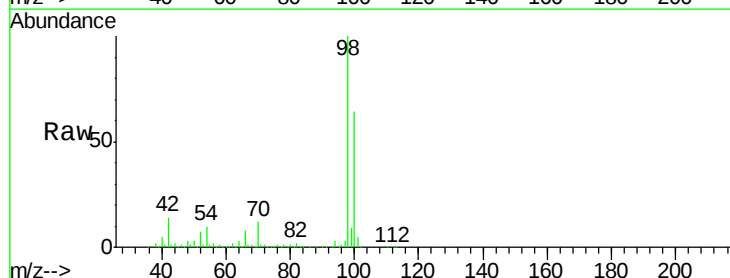
Acq: 19 Nov 2020 14:25

Tgt Ion: 98 Resp: 630722

Ion Ratio Lower Upper

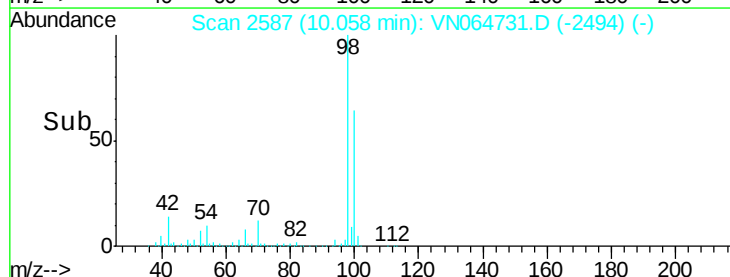
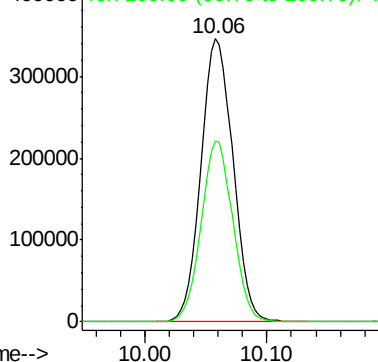
98 100

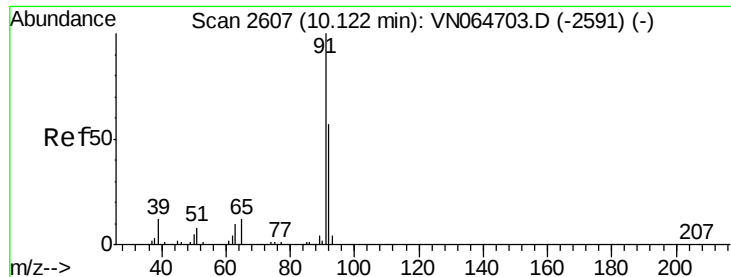
100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 8.717 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

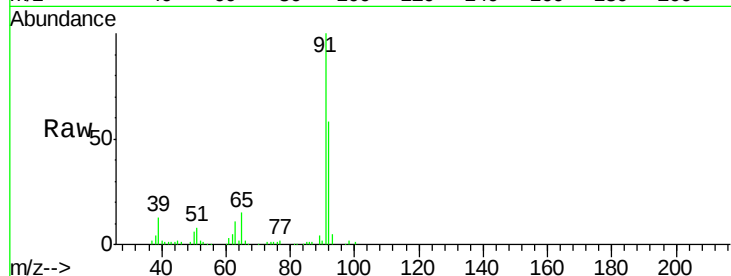
MW-5DL

Tot Ion: 92 Resp: 74603

Ion Ratio Lower Upper

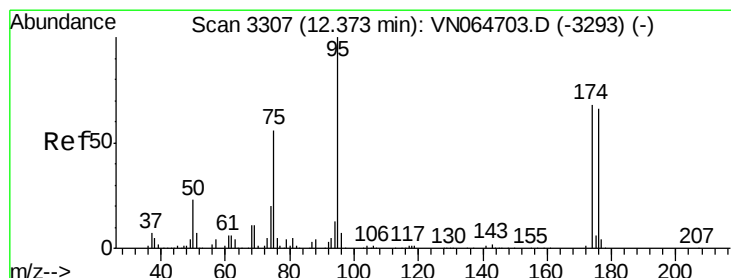
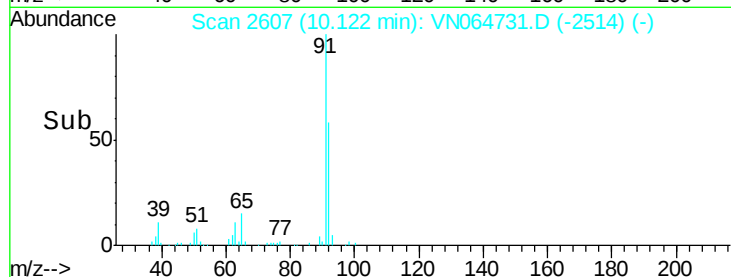
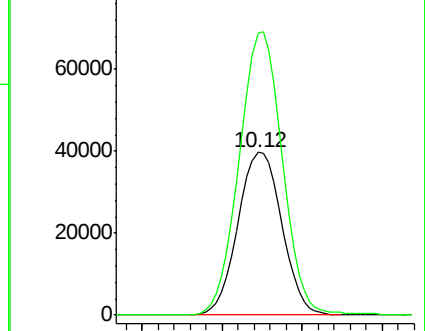
92 100

91 170.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN064731.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN064731.D (-2514) (-)



#62

4-Bromofluorobenzene

Concen: 57.402 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

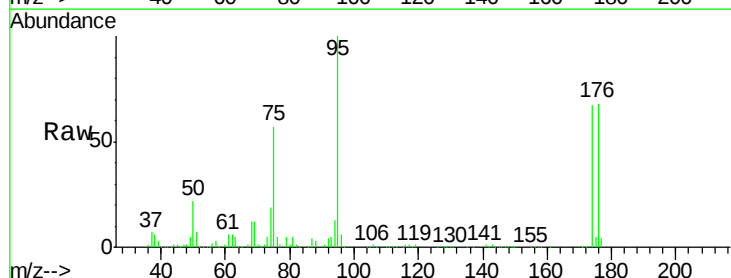
Tgt Ion: 95 Resp: 269050

Ion Ratio Lower Upper

95 100

174 67.8 0.0 136.8

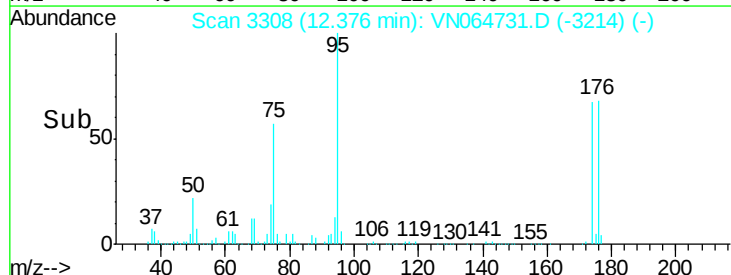
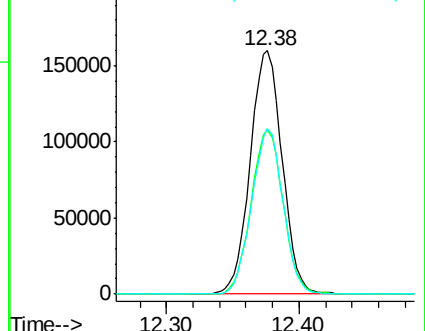
176 66.6 0.0 134.2

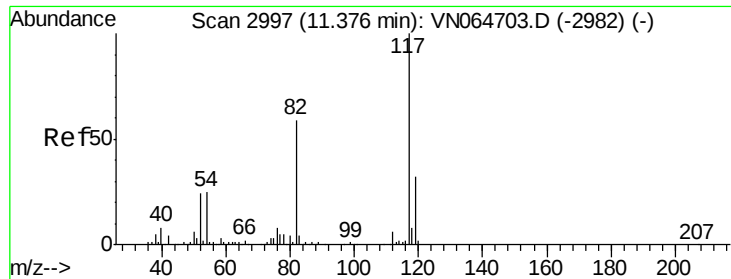


Abundance Ion 94.90 (94.60 to 95.60): VN064731.D (-3214) (-)

Ion 173.80 (173.50 to 174.50): VN064731.D (-3214) (-)

Ion 175.80 (175.50 to 176.50): VN064731.D (-3214) (-)

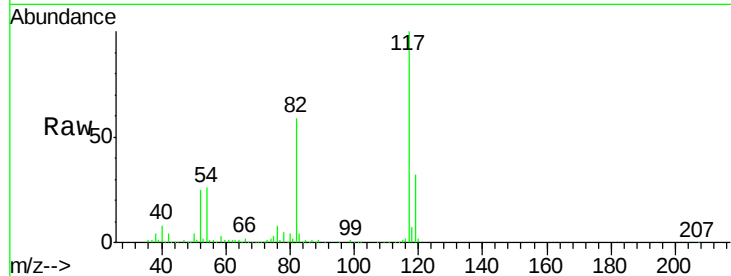




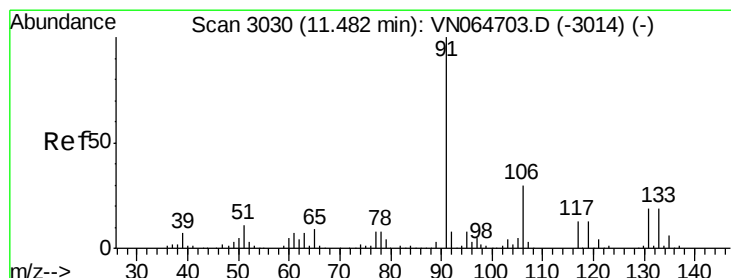
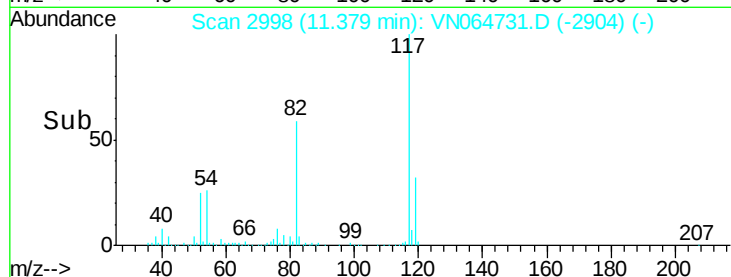
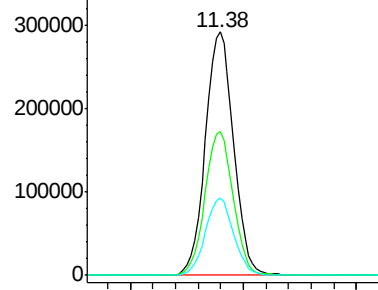
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Tot Ion:117 Resp: 505333
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.6
119 31.9 25.4 38.2

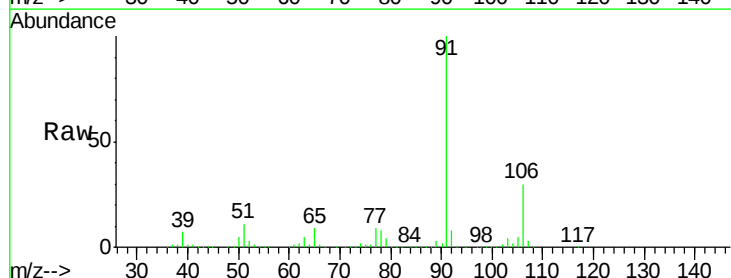


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

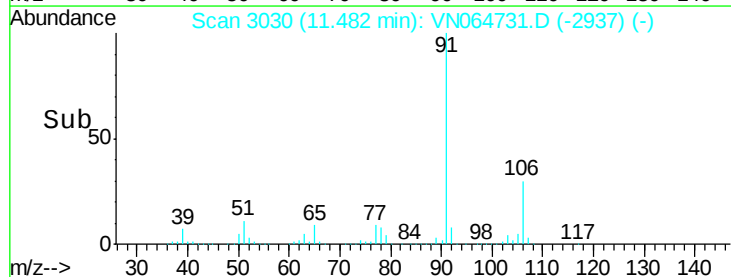
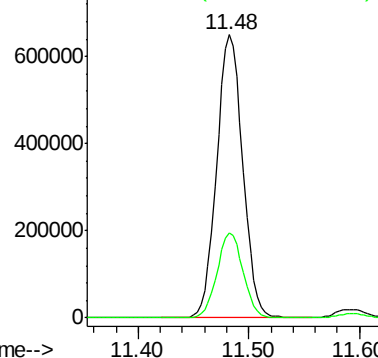


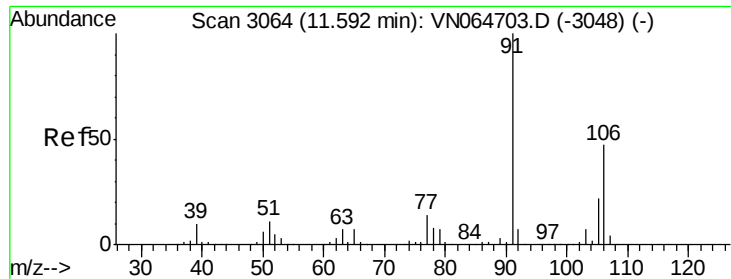
#67
Ethyl Benzene
Concen: 55.953 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Tgt Ion: 91 Resp: 1060468
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



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

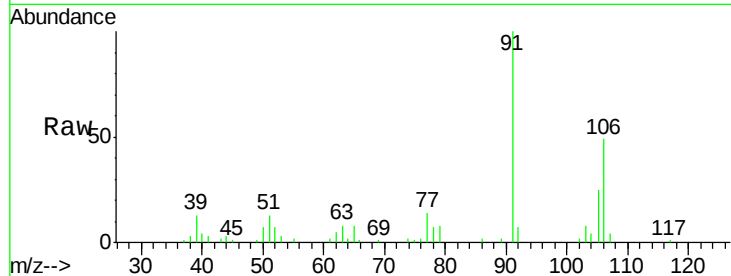




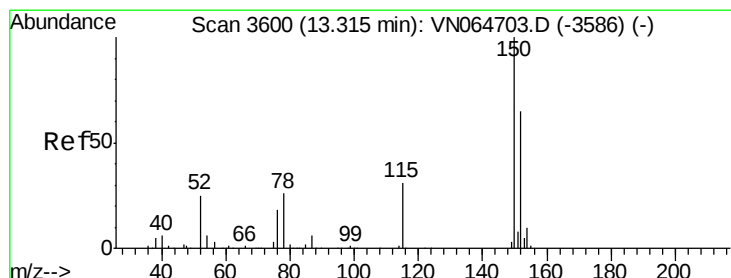
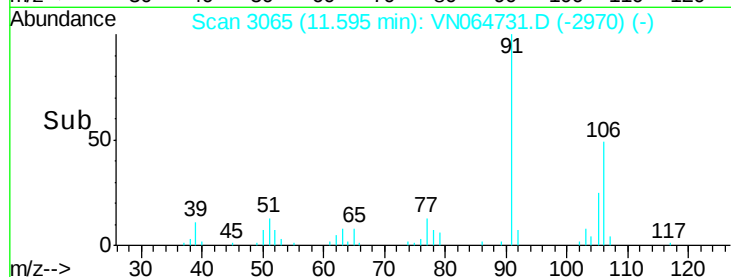
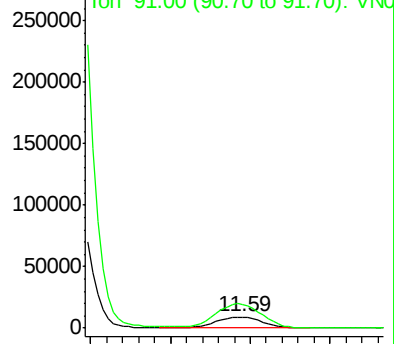
#68
m/p-Xvlenes
Concen: 6.414 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampled :
MW-5DL

Tot Ion:106 Resp: 18871
Ion Ratio Lower Upper
106 100
91 199.8 171.9 257.9

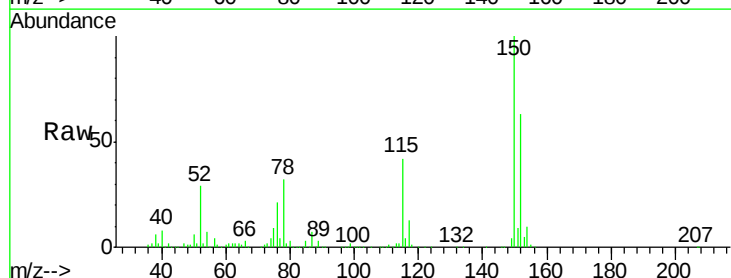


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

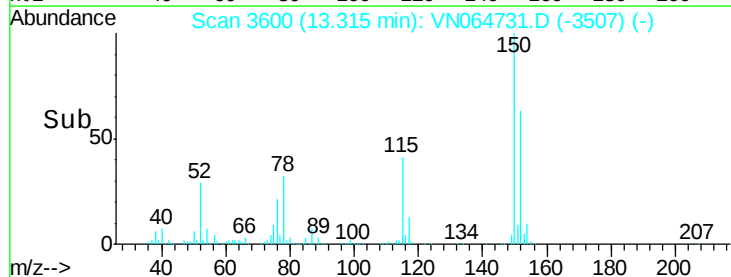
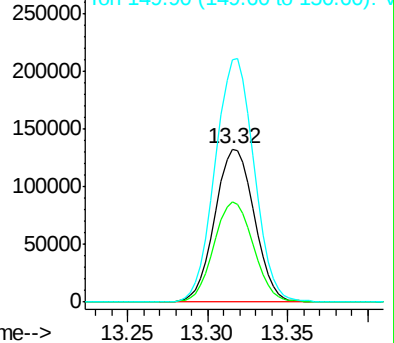


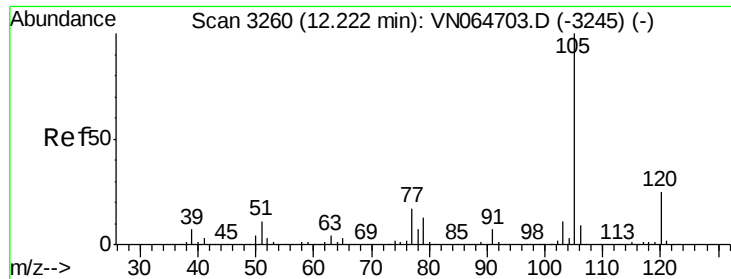
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Tgt Ion:152 Resp: 223238
Ion Ratio Lower Upper
152 100
115 65.9 32.1 96.3
150 157.9 0.0 344.8



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





#73

Isopropylbenzene

Concen: 26.644 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

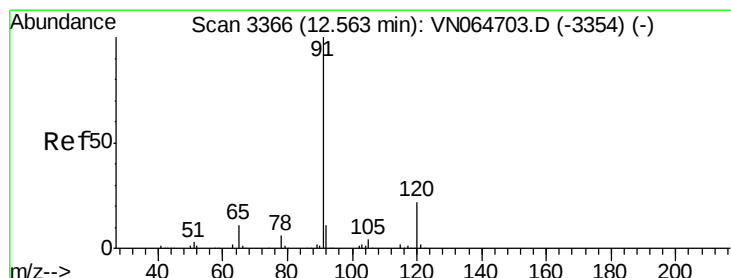
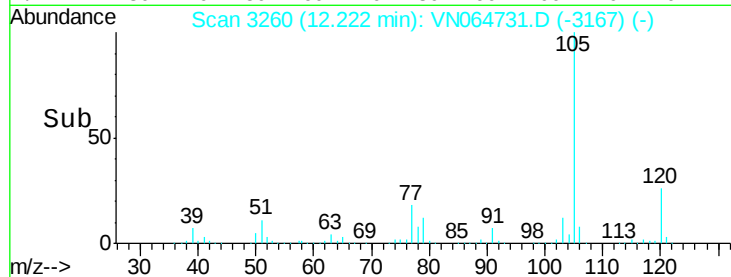
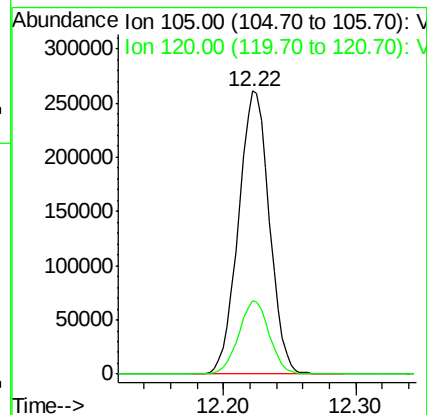
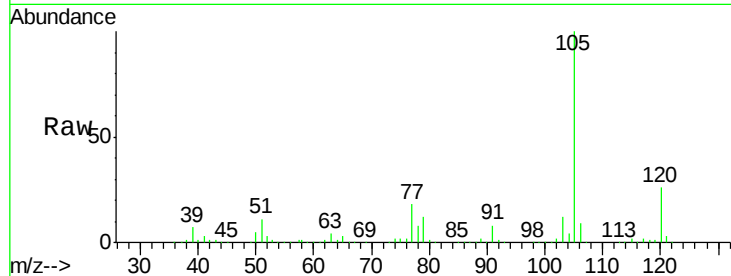
MW-5DL

Tot Ion:105 Resp: 422298

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#78

n-propylbenzene

Concen: 32.639 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064731.D

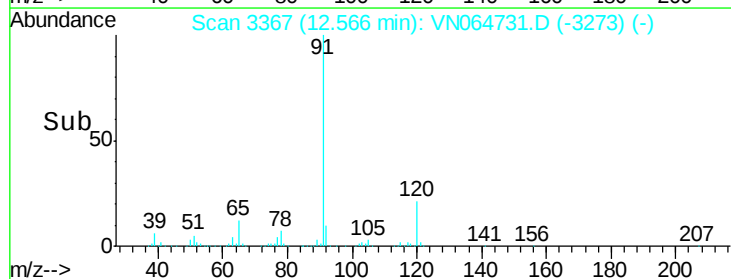
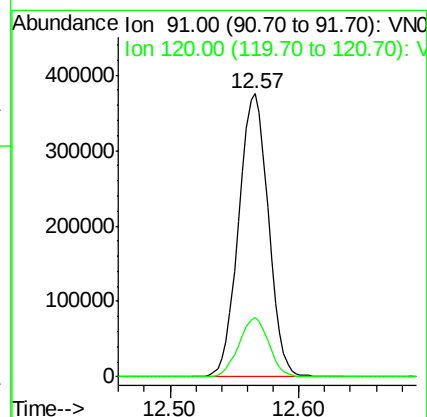
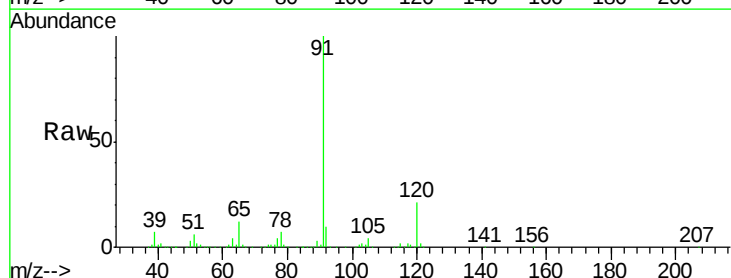
Acq: 19 Nov 2020 14:25

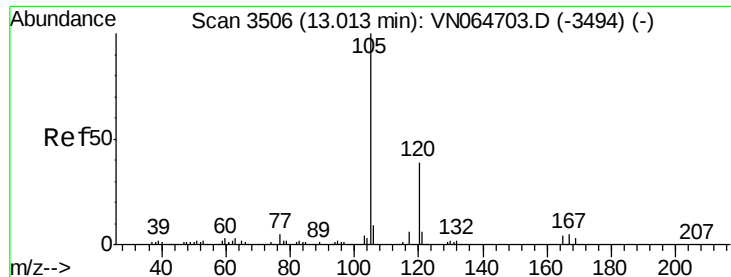
Tgt Ion: 91 Resp: 602462

Ion Ratio Lower Upper

91 100

120 20.9 10.9 32.9

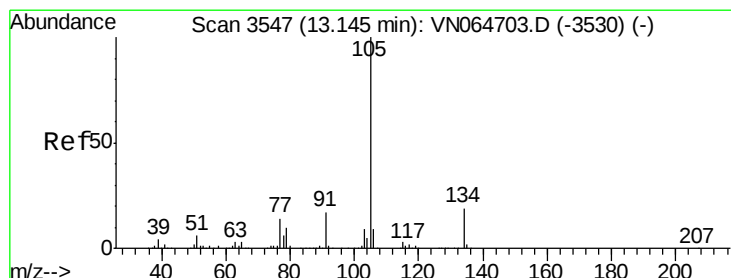
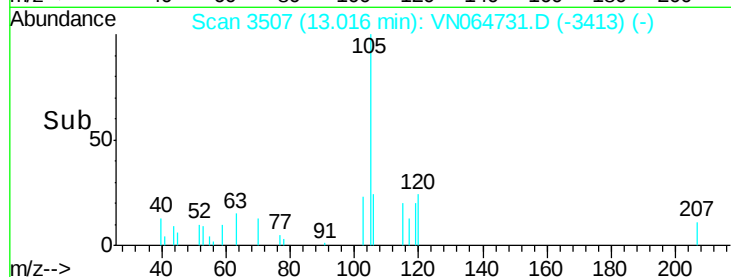
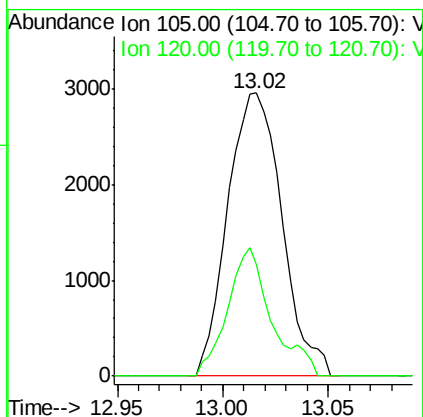
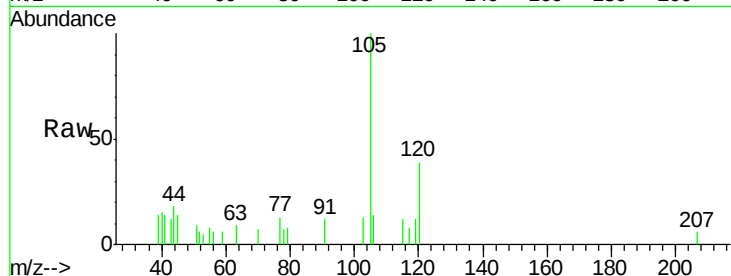




#84
1,2,4-Trimethylbenzene
Concen: 0.393 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

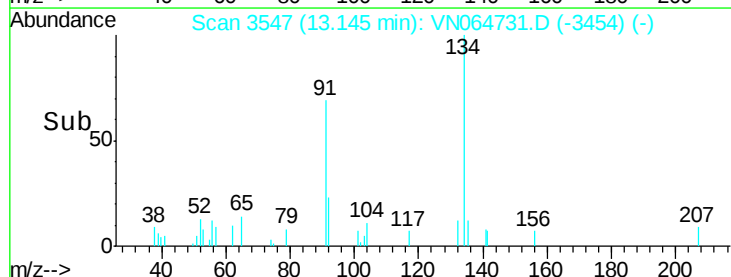
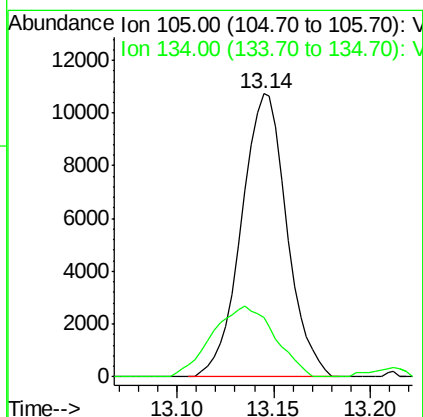
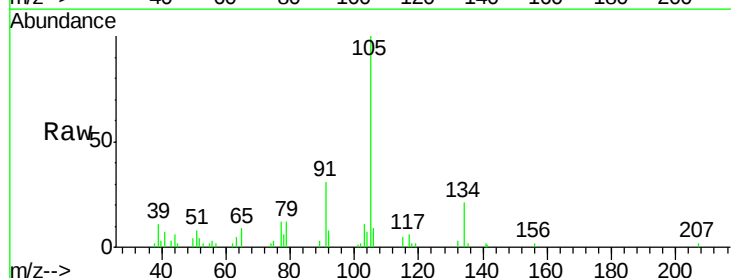
Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

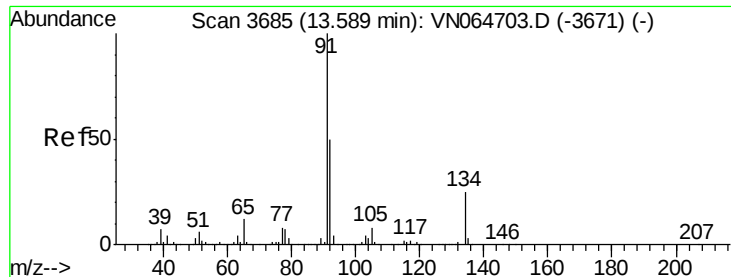
Tot Ion:105 Resp: 5284
Ion Ratio Lower Upper
105 100
120 36.5 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.294 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064731.D
Acq: 19 Nov 2020 14:25

Tgt Ion:105 Resp: 17566
Ion Ratio Lower Upper
105 100
134 34.5 9.5 28.5#





#89

n-Butylbenzene

Concen: 2.089 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

MW-5DL

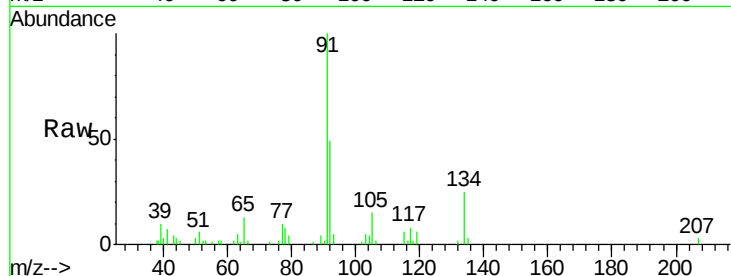
Tot Ion: 91 Resp: 24351

Ion Ratio Lower Upper

91 100

92 39.9 24.9 74.8

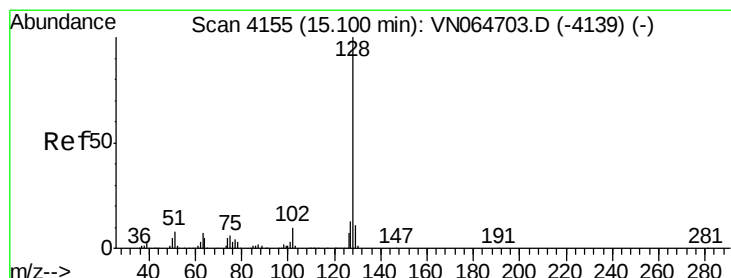
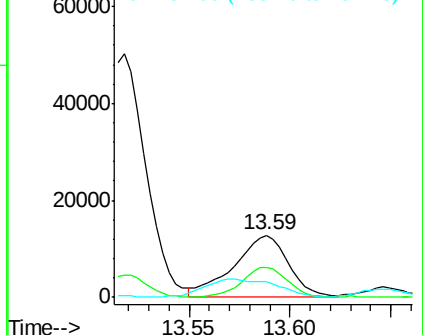
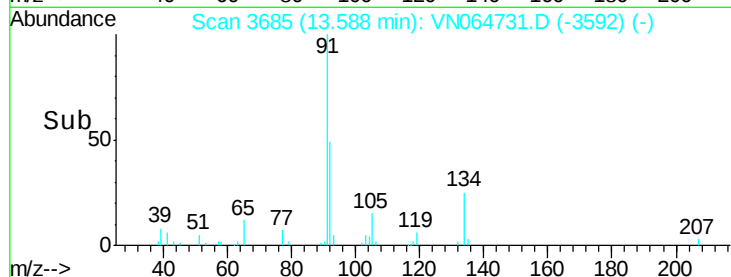
134 38.9 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN064731.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064731.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064731.D (-3671) (-)



#95

Naphthalene

Concen: 21.855 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064731.D

Acq: 19 Nov 2020 14:25

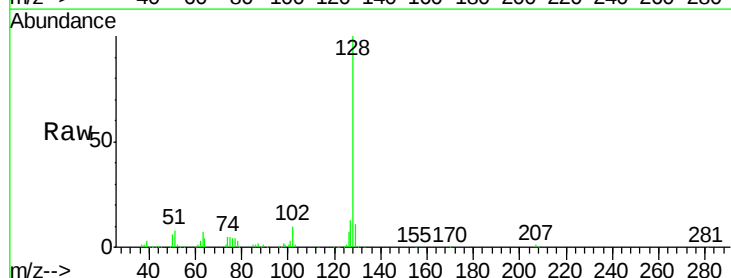
Tgt Ion: 128 Resp: 274224

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VN064731.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN064731.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN064731.D (-4139) (-)

