

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064787.D
 Acq On : 23 Nov 2020 16:45
 Operator : JC/MD
 Sample : L4772-02DL 16X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Quant Time: Nov 24 03:47:28 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	7.62	168	132855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84213	54.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.04%
35) Dibromofluoromethane	7.55	113	73730	51.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.76%
50) Toluene-d8	10.06	98	295783	50.94	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.88%
62) 4-Bromofluorobenzene	12.38	95	123921	59.63	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	119.26%

Target Compounds

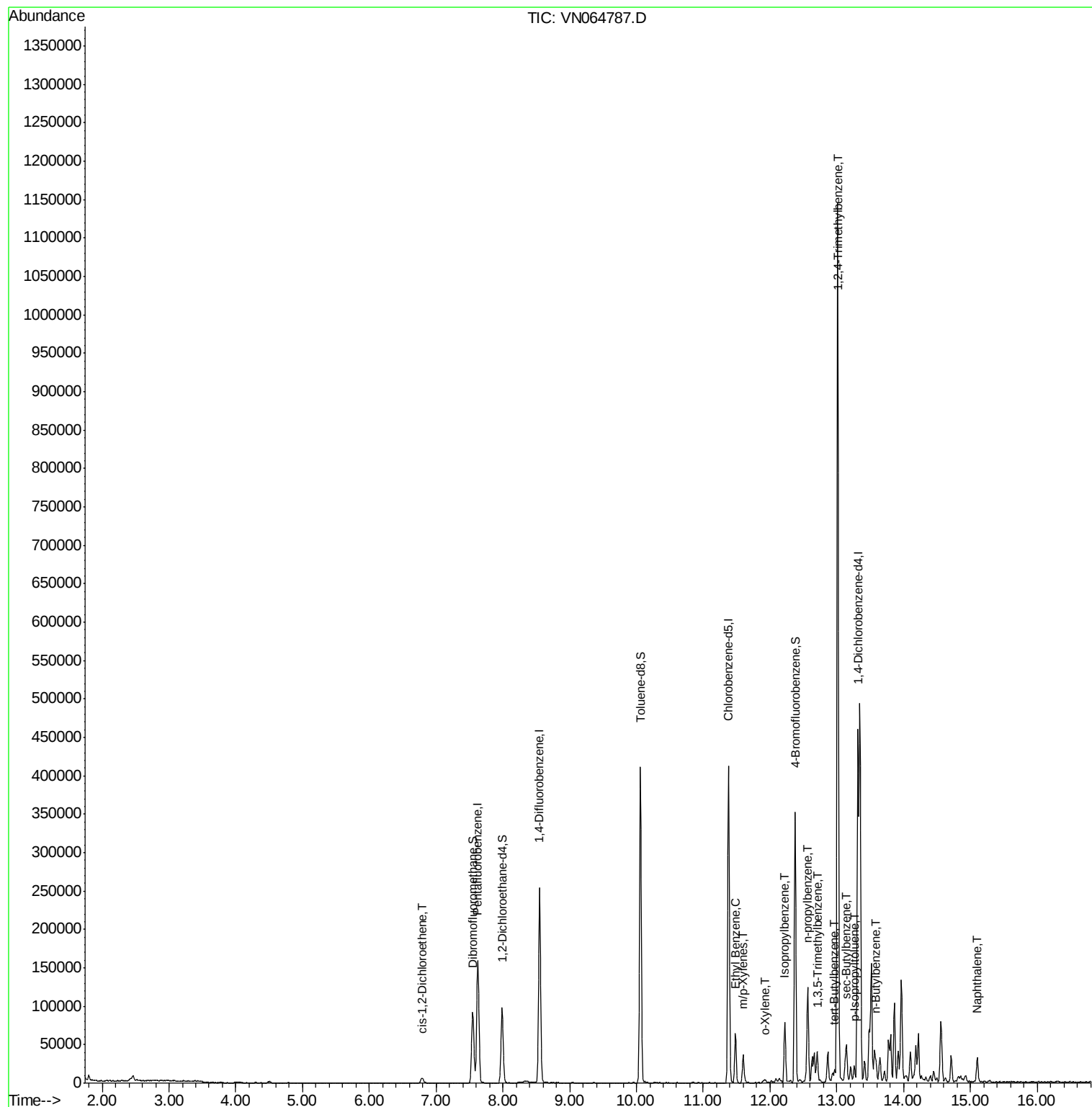
					Qvalue
27) cis-1,2-Dichloroethene	6.78	96	1058	0.657	ug/l 52
67) Ethyl Benzene	11.48	91	45950	5.205	ug/l 99
68) m/p-Xylenes	11.60	106	11483	3.436	ug/l 97
69) o-Xylene	11.92	106	1270	0.400	ug/l 92
73) Isopropylbenzene	12.22	105	52496	5.935	ug/l 99
78) n-propylbenzene	12.57	91	97299	9.657	ug/l 100
80) 1,3,5-Trimethylbenzene	12.71	105	18784	2.555	ug/l 98
83) tert-Butylbenzene	12.97	119	7871	1.277	ug/l 97
84) 1,2,4-Trimethylbenzene	13.01	105	656355	88.303	ug/l 99
85) sec-Butylbenzene	13.15	105	31674	3.871	ug/l # 77
86) p-Isopropyltoluene	13.26	119	10855	1.457	ug/l 94
89) n-Butylbenzene	13.59	91	16973	2.595	ug/l # 72
95) Naphthalene	15.10	128	30127	3.908	ug/l 98

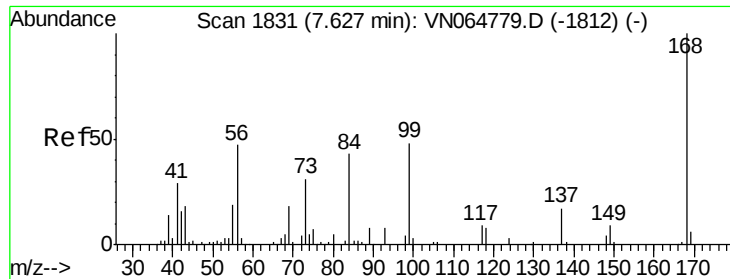
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112320\
Data File : VN064787.D
Acq On : 23 Nov 2020 16:45
Operator : JC/MD
Sample : L4772-02DL 16X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

Quant Time: Nov 24 03:47:28 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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

Instrument :

MSVOA_N

ClientSampled :

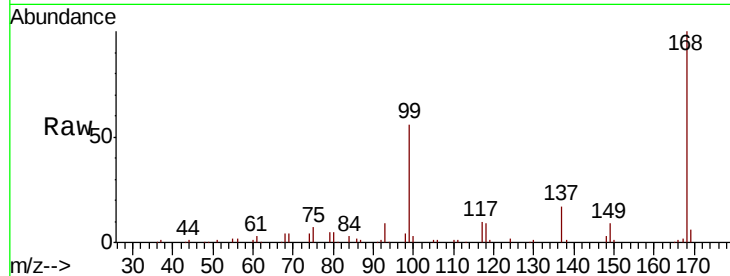
MW-4DL

Tot Ion:168 Resp: 132855

Ion Ratio Lower Upper

168 100

99 55.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

50000

40000

30000

20000

10000

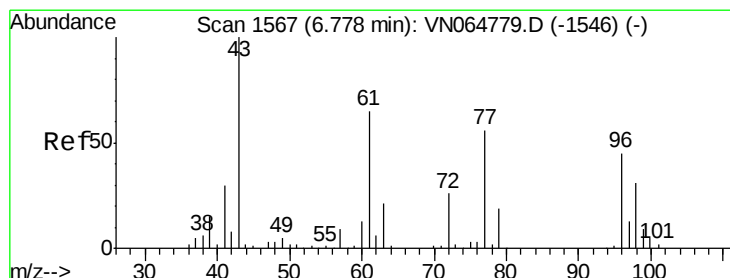
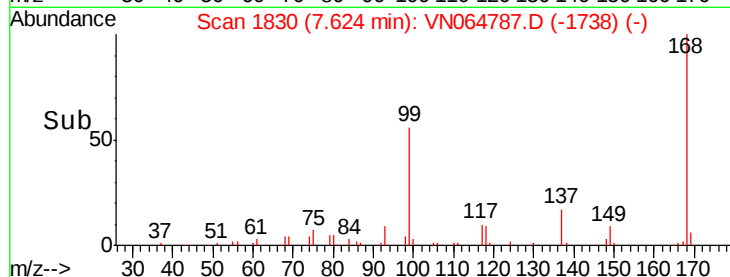
0

Time-->

7.50

7.60

7.70



#27

cis-1,2-Dichloroethene

Concen: 0.657 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

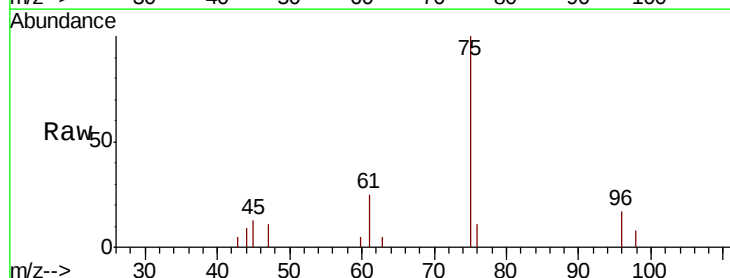
Tgt Ion: 96 Resp: 1058

Ion Ratio Lower Upper

96 100

61 198.2 0.0 285.8

98 21.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

1000

800

600

400

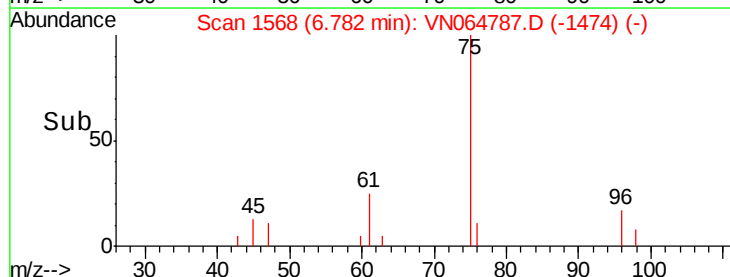
200

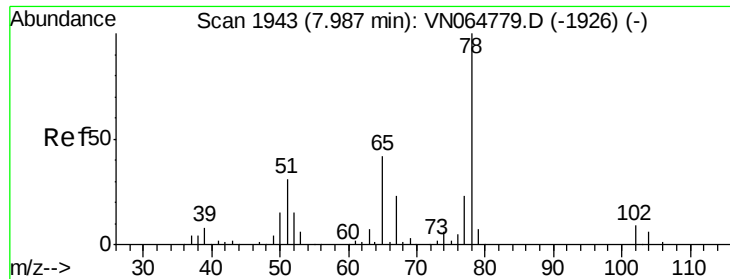
0

Time-->

6.75

6.80





#33

1,2-Dichloroethane-d4

Concen: 54.523 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

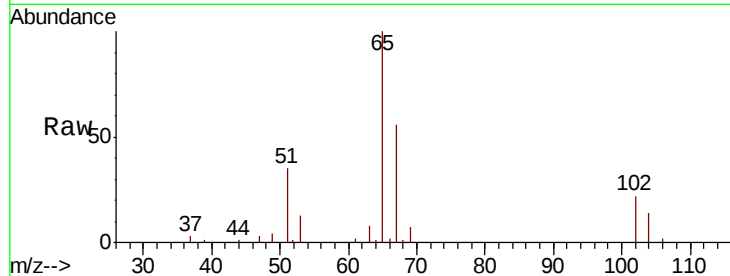
MW-4DL

Tot Ion: 65 Resp: 84213

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064787.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064787.D (-1850) (-)

7.99

40000

30000

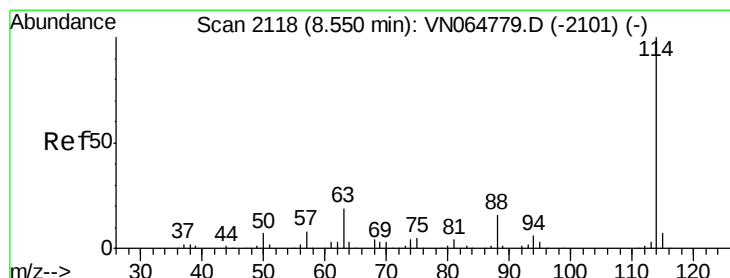
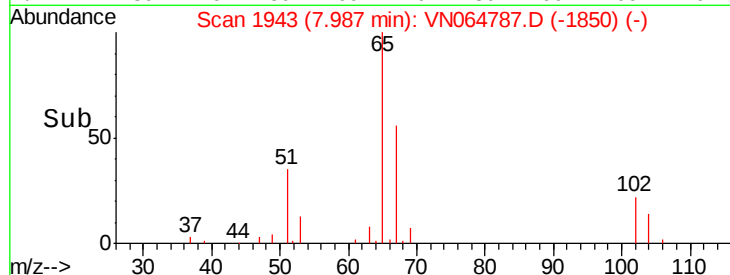
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

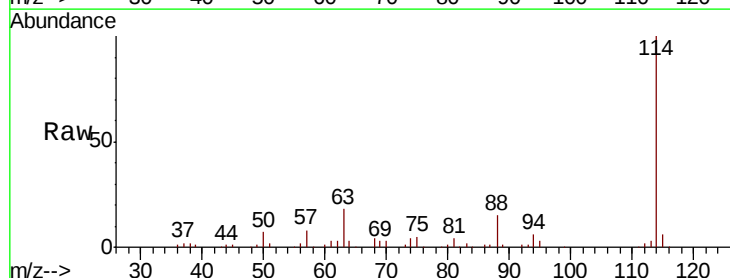
Tgt Ion: 114 Resp: 237505

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.6

88 15.5 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064787.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064787.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064787.D (-2025) (-)

8.55

150000

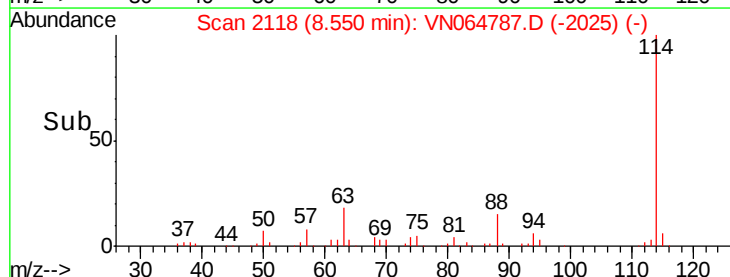
100000

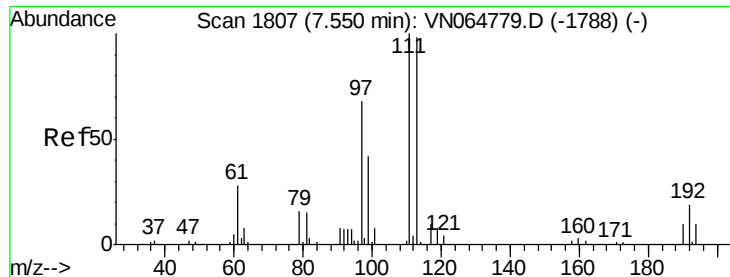
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

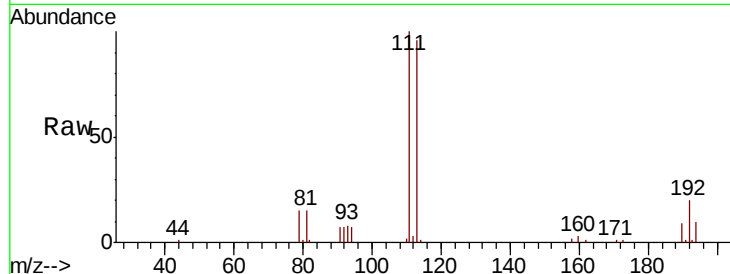




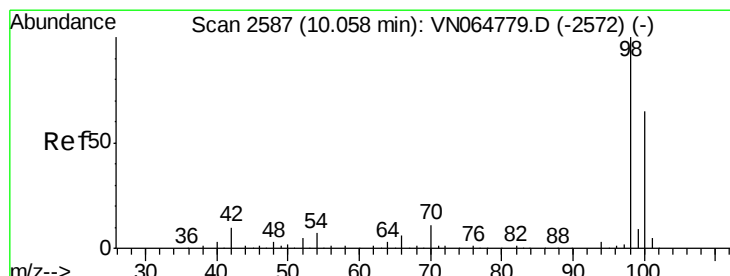
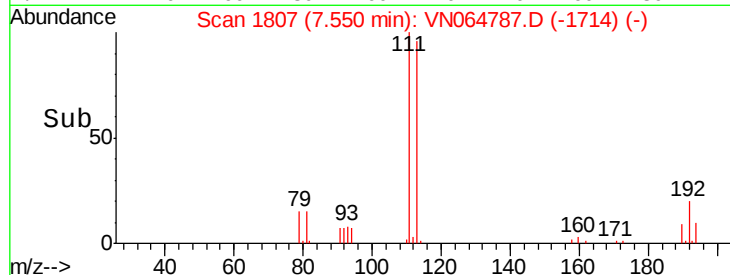
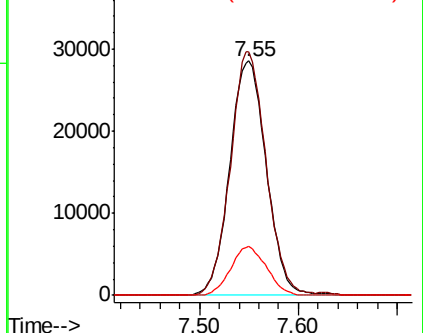
#35
 Dibromofluoromethane
 Concen: 51.880 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064787.D
 Acq: 23 Nov 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Tot Ion:113 Resp: 73730
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.6 122.4
 192 20.3 16.2 24.2

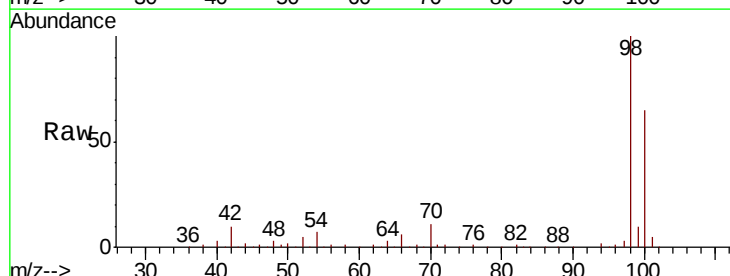


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

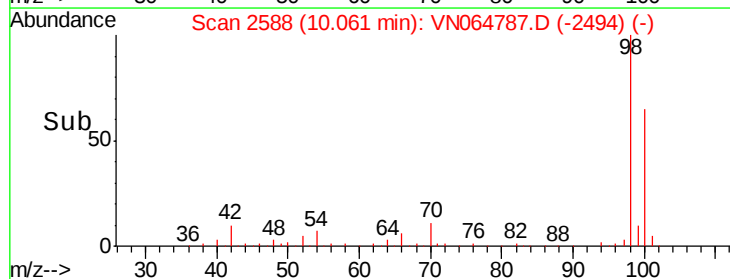
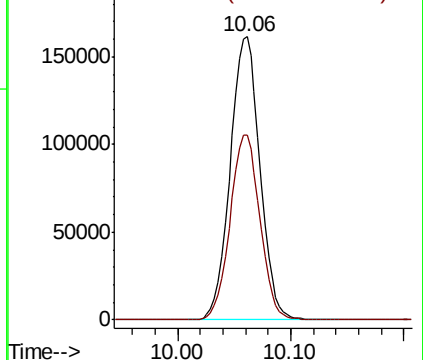


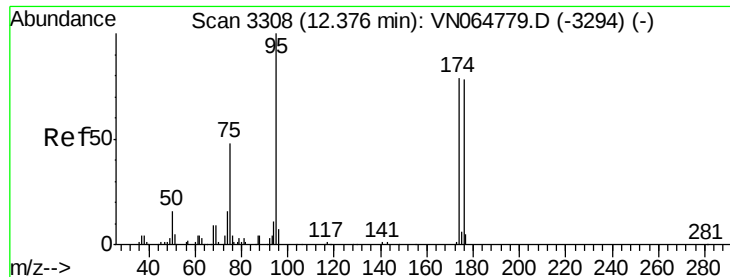
#50
 Toluene-d8
 Concen: 50.938 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064787.D
 Acq: 23 Nov 2020 16:45

Tgt Ion: 98 Resp: 295783
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.7 77.5



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

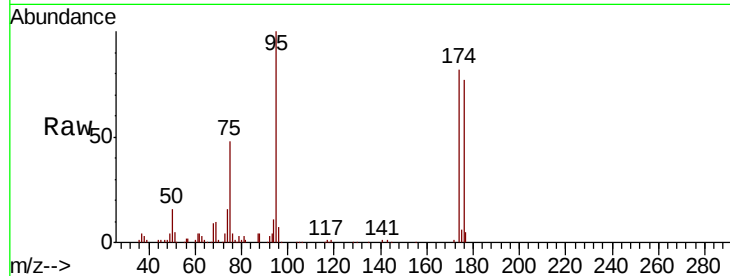




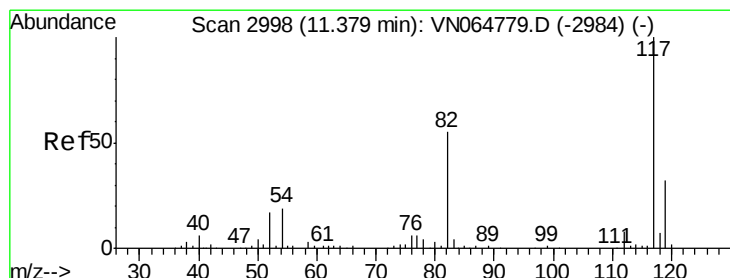
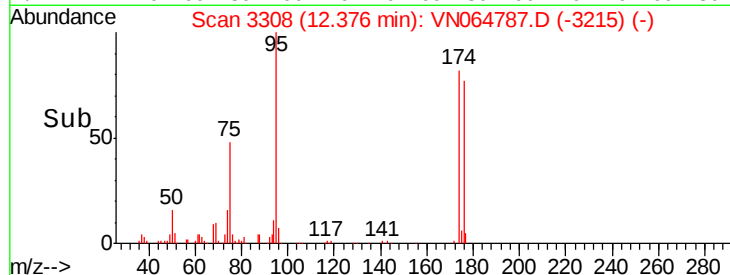
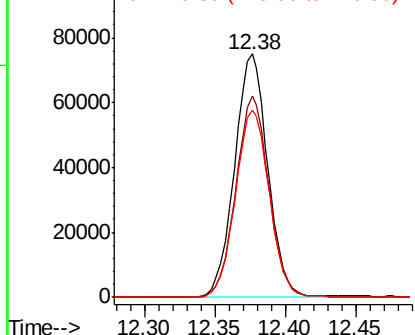
#62
4-Bromofluorobenzene
Concen: 59.631 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Instrument :
MSVOA_N
ClientSampled :
MW-4DL

Tot Ion: 95 Resp: 123921
Ion Ratio Lower Upper
95 100
174 82.1 0.0 160.4
176 78.6 0.0 158.4

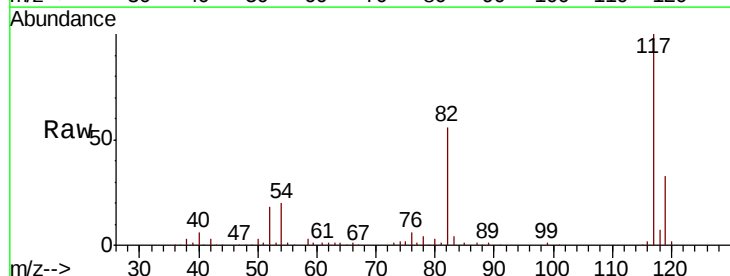


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

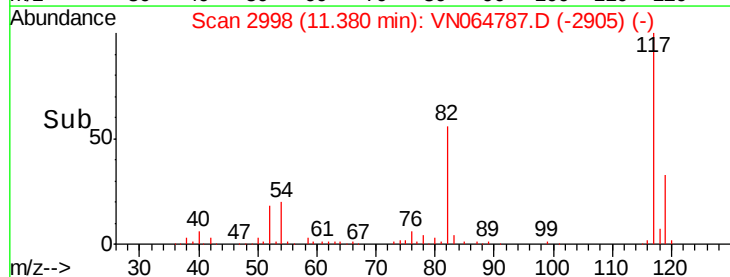
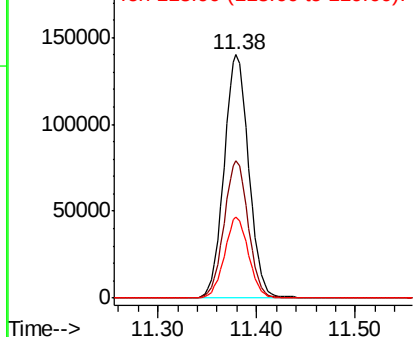


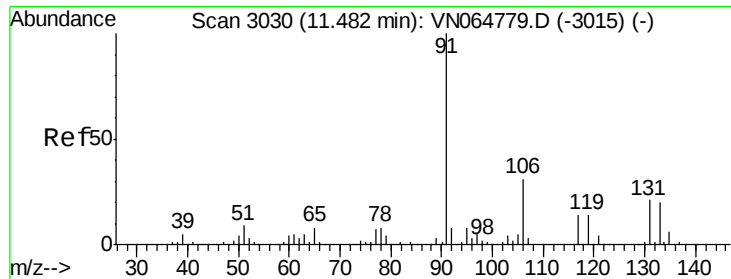
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Tgt Ion: 117 Resp: 246084
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 33.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

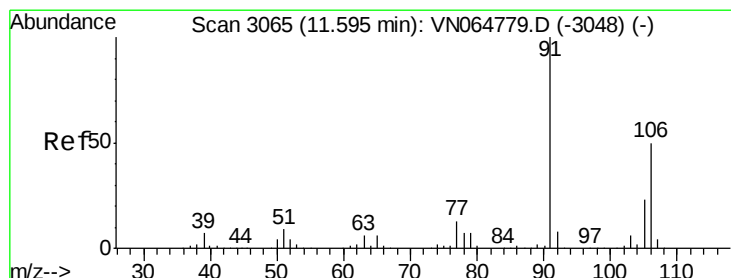
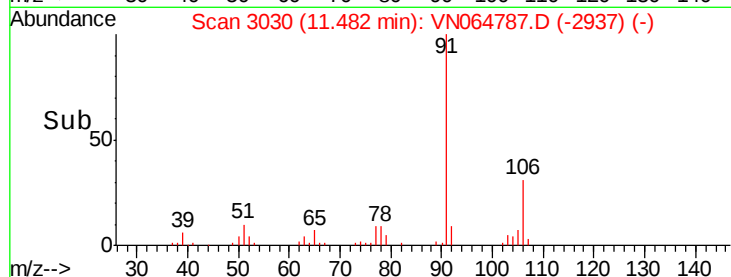
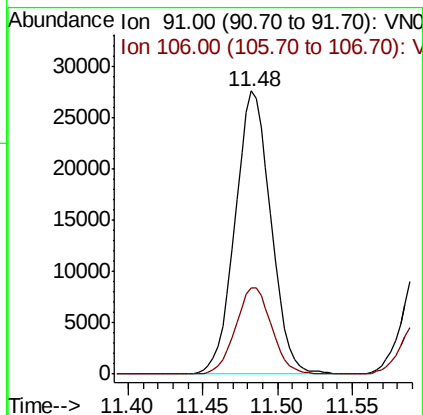
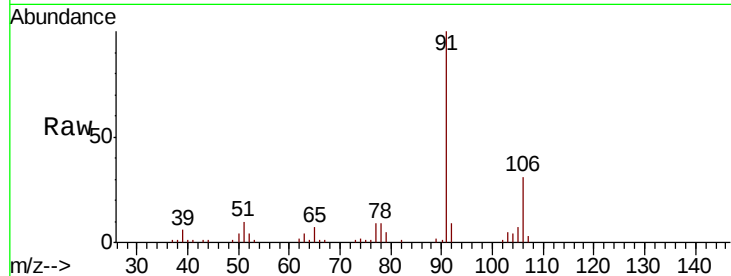




#67
Ethyl Benzene
Concen: 5.205 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

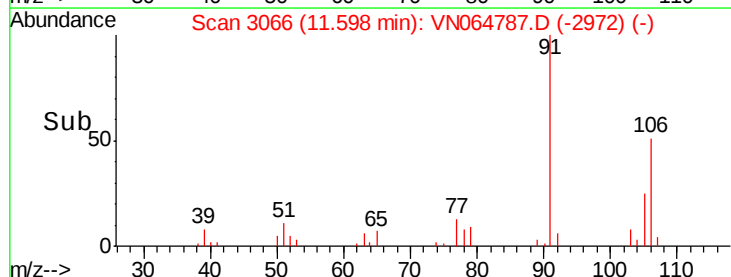
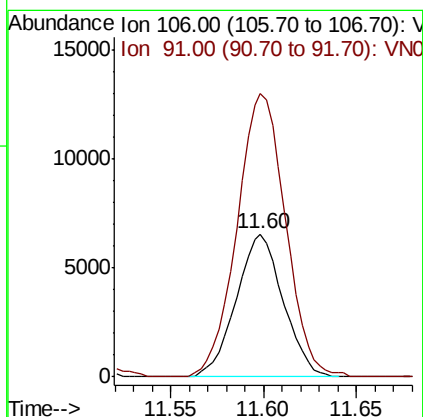
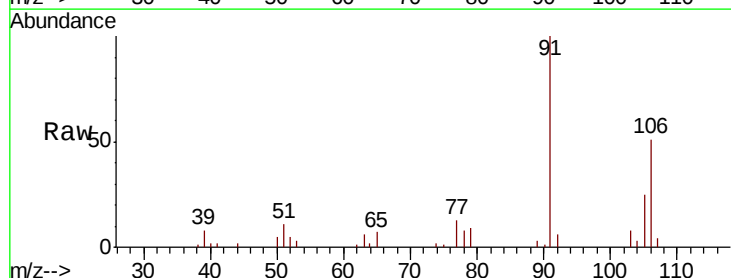
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

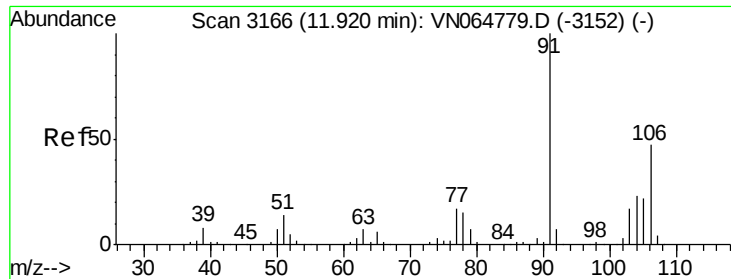
Tot Ion: 91 Resp: 45950
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8



#68
m/p-Xylenes
Concen: 3.436 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Tgt Ion: 106 Resp: 11483
Ion Ratio Lower Upper
106 100
91 205.3 161.0 241.4

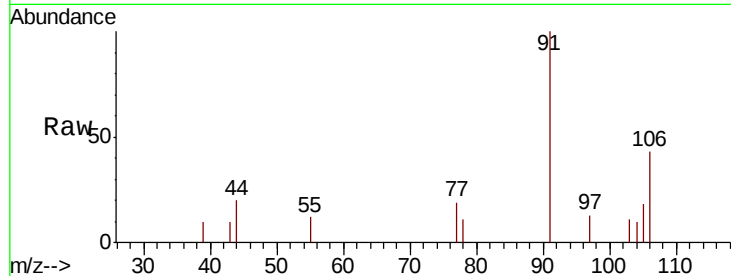




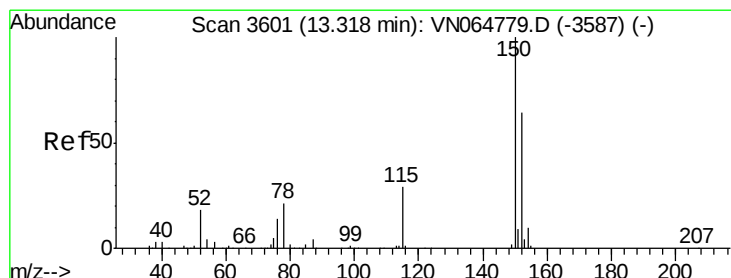
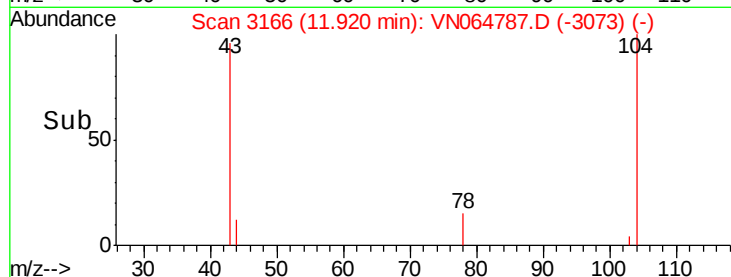
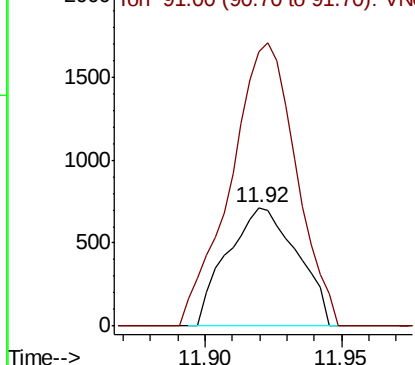
#69
o-Xylene
Concen: 0.400 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

Tot Ion:106 Resp: 1270
Ion Ratio Lower Upper
106 100
91 223.7 105.5 316.5

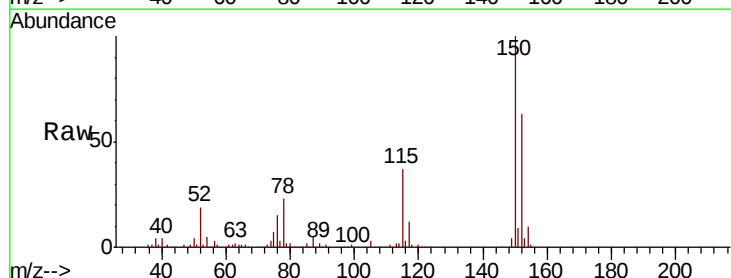


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

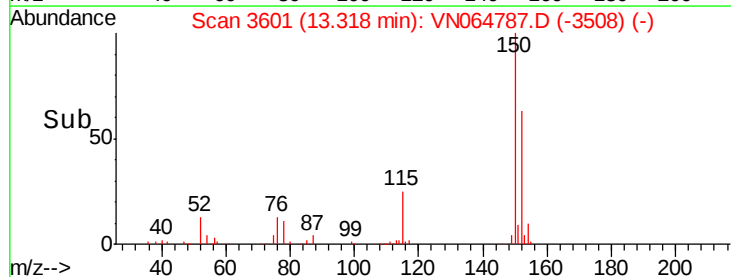
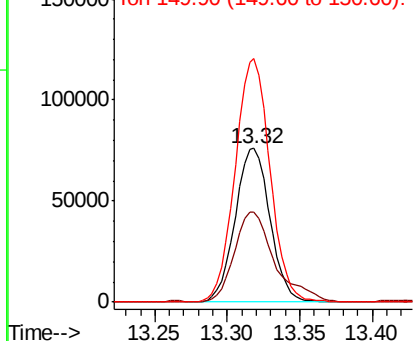


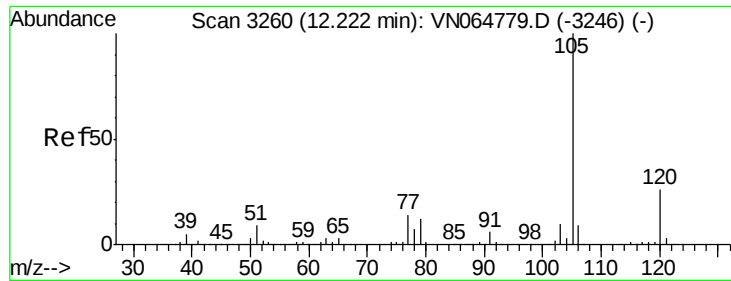
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Tgt Ion:152 Resp: 127156
Ion Ratio Lower Upper
152 100
115 67.6 29.7 89.1
150 158.3 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





#73

Isopropylbenzene

Concen: 5.935 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

Instrument :

MSVOA_N

ClientSampled :

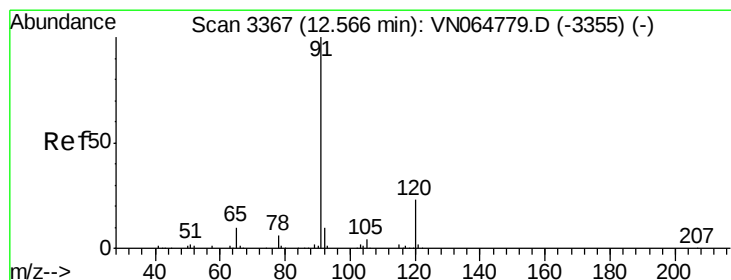
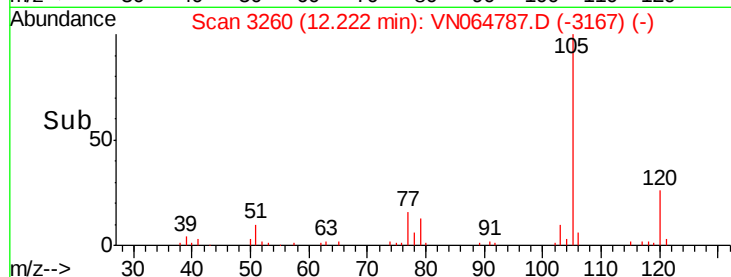
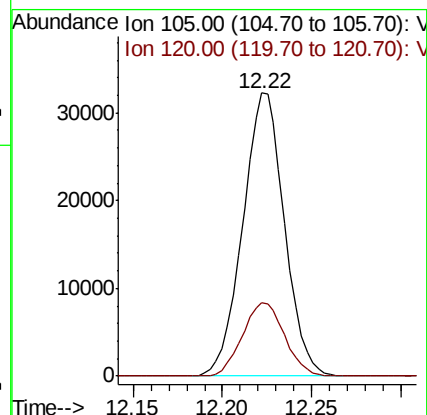
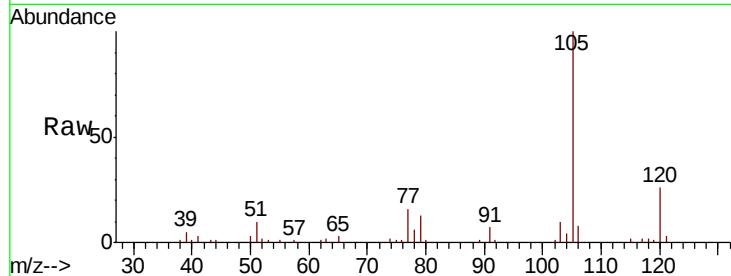
MW-4DL

Tot Ion:105 Resp: 52496

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#78

n-propylbenzene

Concen: 9.657 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064787.D

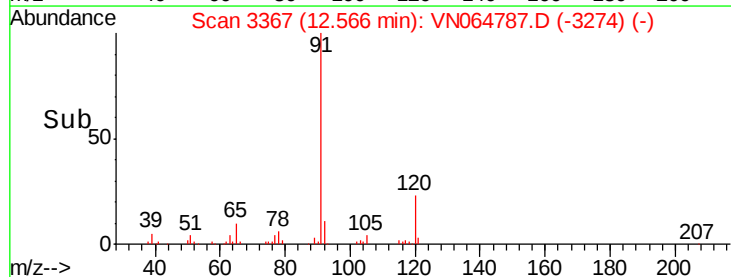
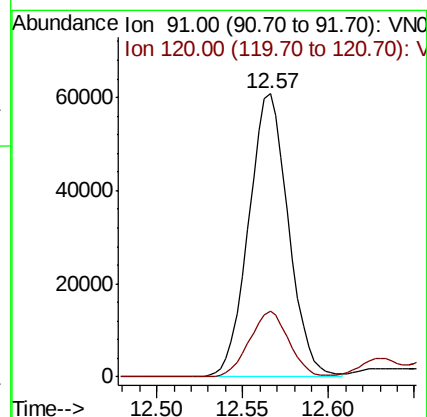
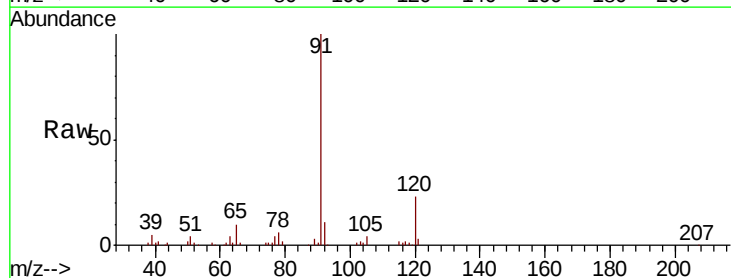
Acq: 23 Nov 2020 16:45

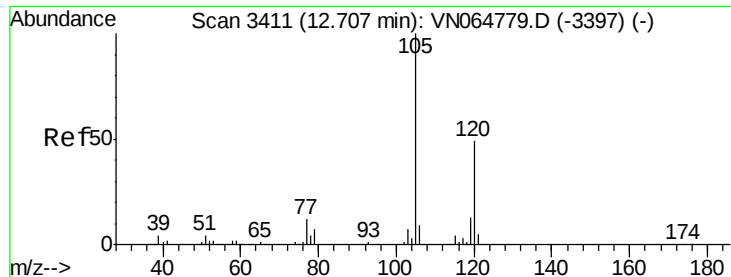
Tgt Ion: 91 Resp: 97299

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 2.555 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

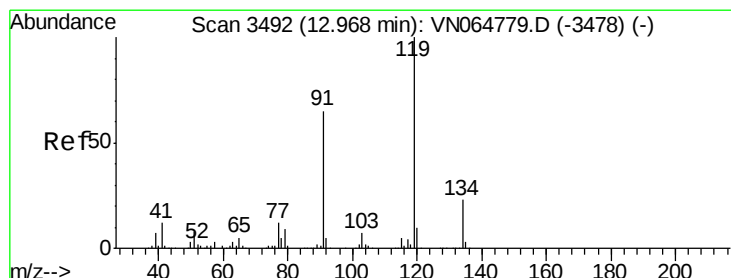
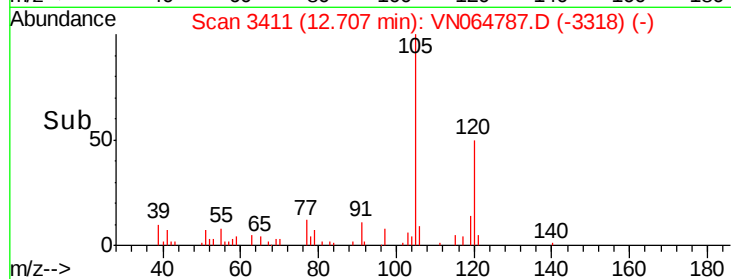
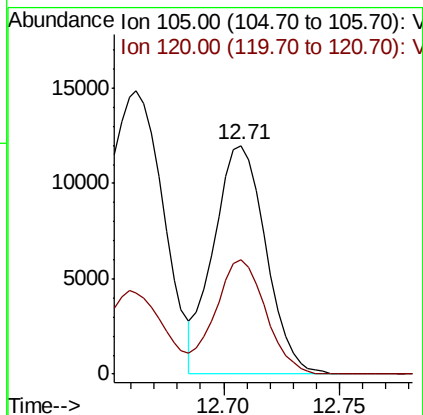
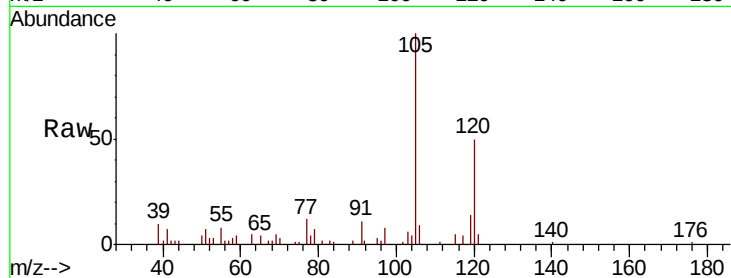
MW-4DL

Tot Ion:105 Resp: 18784

Ion Ratio Lower Upper

105 100

120 48.0 24.6 73.6



#83

tert-Butylbenzene

Concen: 1.277 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064787.D

Acq: 23 Nov 2020 16:45

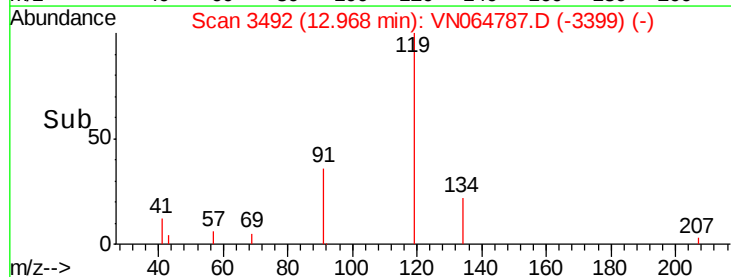
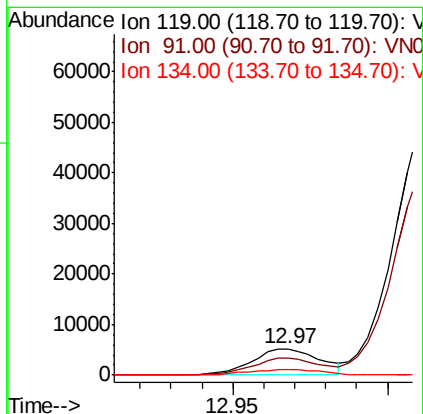
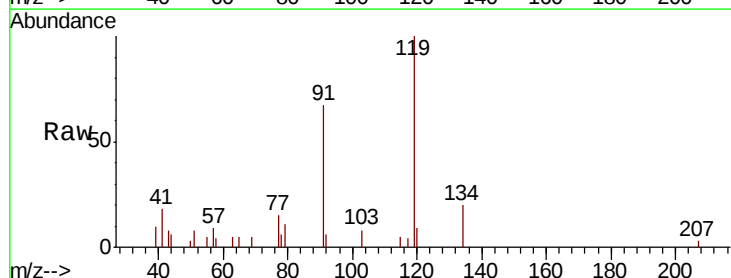
Tgt Ion:119 Resp: 7871

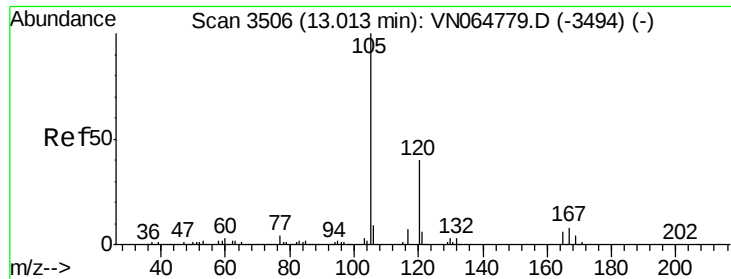
Ion Ratio Lower Upper

119 100

91 66.5 32.3 96.8

134 22.6 12.6 37.6

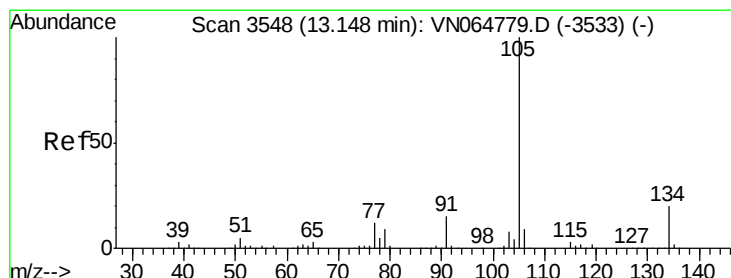
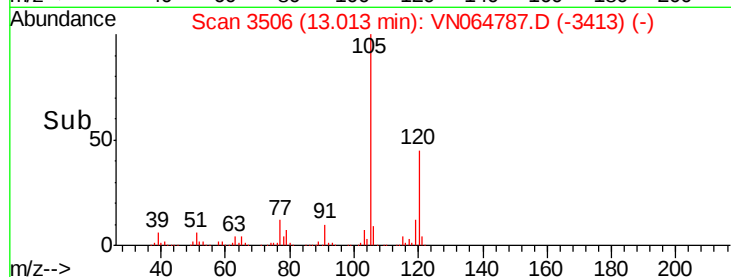
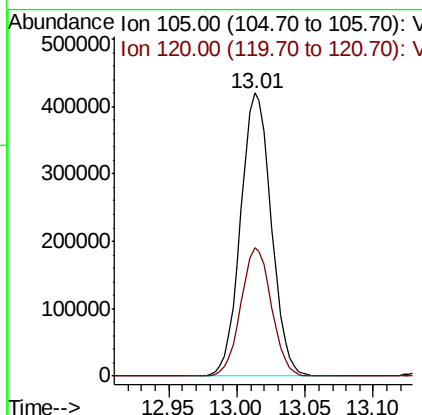
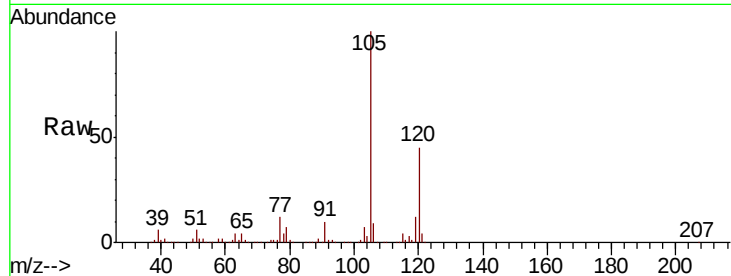




#84
1,2,4-Trimethylbenzene
Concen: 88.303 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

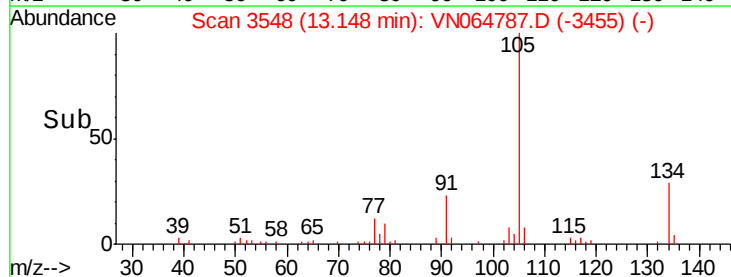
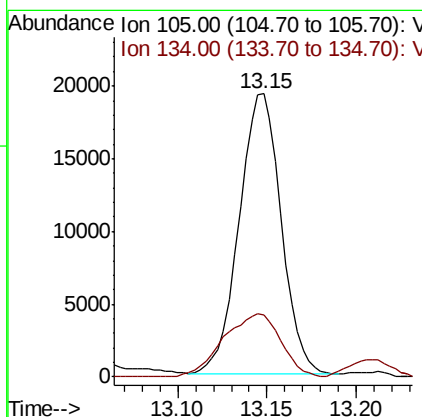
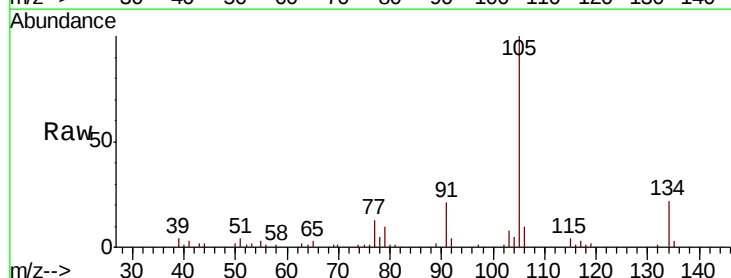
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

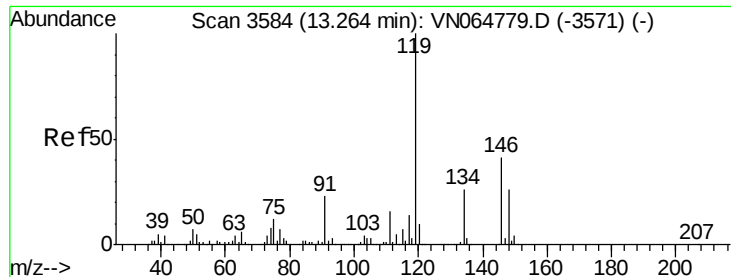
Tot Ion:105 Resp: 656355
Ion Ratio Lower Upper
105 100
120 45.4 23.1 69.2



#85
sec-Butylbenzene
Concen: 3.871 ug/l
RT: 13.15 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Tgt Ion:105 Resp: 31674
Ion Ratio Lower Upper
105 100
134 30.5 10.1 30.1#

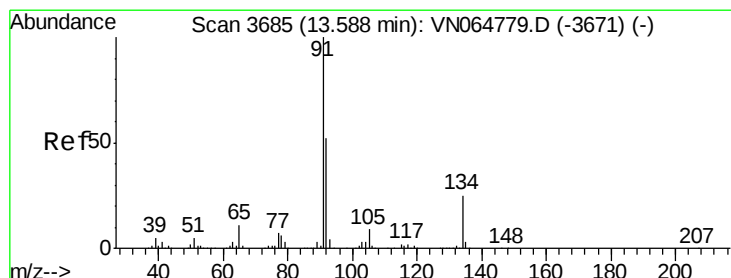
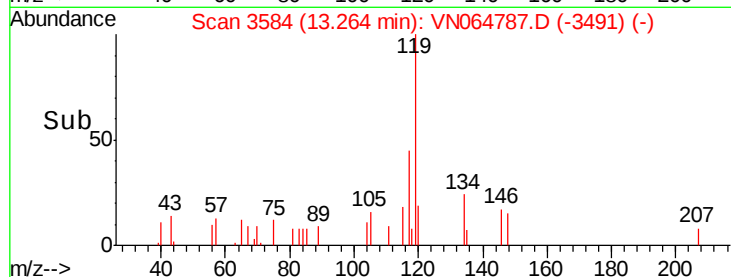
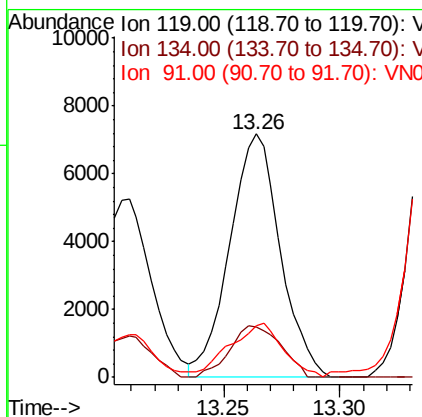
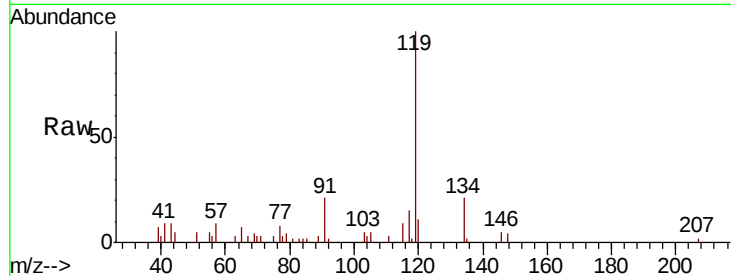




#86
 p-Isopropyltoluene
 Concen: 1.457 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064787.D
 Acq: 23 Nov 2020 16:45

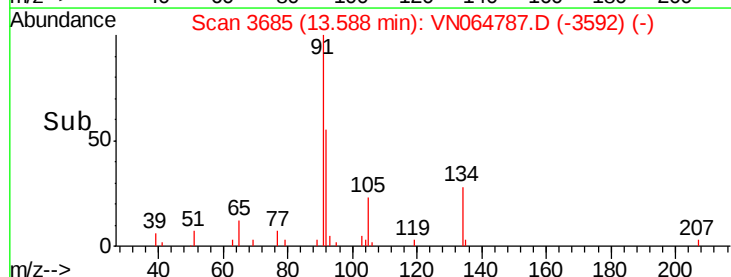
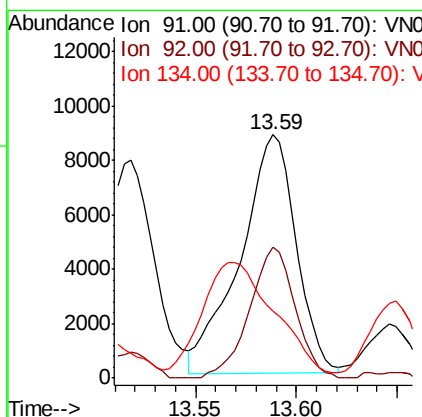
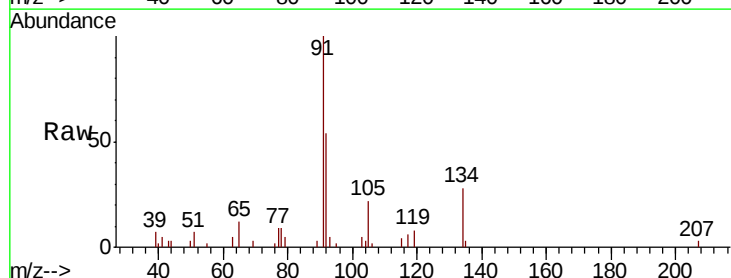
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

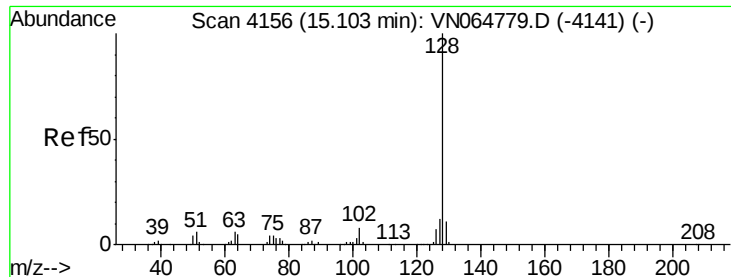
Tot Ion: 119 Resp: 10855
 Ion Ratio Lower Upper
 119 100
 134 21.4 13.1 39.1
 91 23.8 11.5 34.5



#89
 n-Butylbenzene
 Concen: 2.595 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064787.D
 Acq: 23 Nov 2020 16:45

Tgt Ion: 91 Resp: 16973
 Ion Ratio Lower Upper
 91 100
 92 44.8 26.0 78.0
 134 57.8 12.9 38.6#





#95
Naphthalene
Concen: 3.908 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064787.D
Acq: 23 Nov 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.5	8.7	13.1

