

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064788.D
 Acq On : 23 Nov 2020 17:10
 Operator : JC/MD
 Sample : L4772-08DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111620DL

Quant Time: Nov 24 03:52:01 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	154812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	280681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	144034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98730	54.86	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.72%
35) Dibromofluoromethane	7.55	113	87962	52.37	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.74%
50) Toluene-d8	10.06	98	350774	51.12	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.24%
62) 4-Bromofluorobenzene	12.38	95	145172	59.11	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.22%

Target Compounds

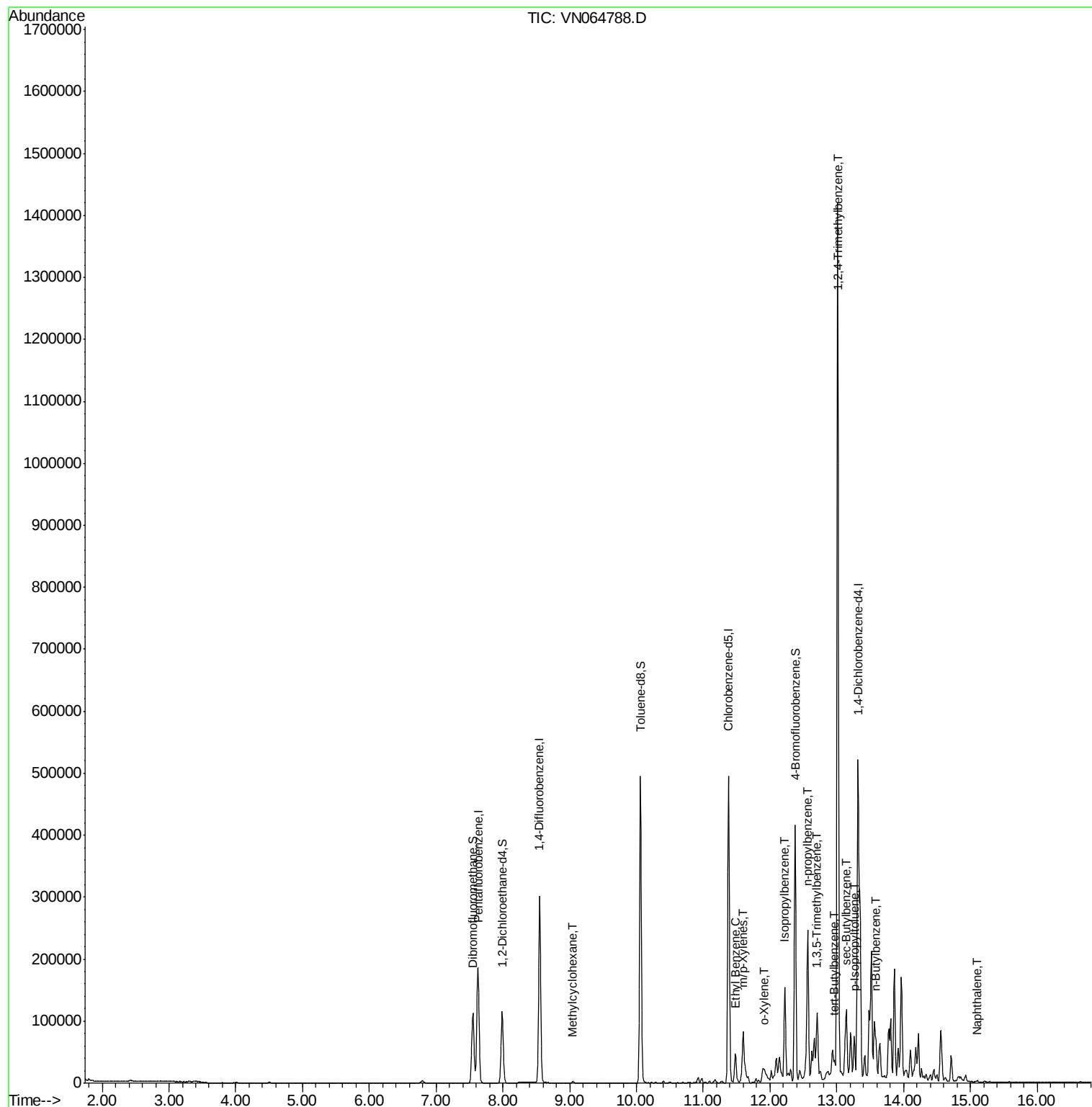
						Qvalue
39) Methylcyclohexane	9.04	83	1347	0.481	ug/l #	86
67) Ethyl Benzene	11.49	91	32512	3.085	ug/l	96
68) m/p-Xylenes	11.60	106	26357	6.605	ug/l	98
69) o-Xylene	11.92	106	3532	0.933	ug/l	93
73) Isopropylbenzene	12.22	105	97611	9.743	ug/l	97
78) n-propylbenzene	12.57	91	192248	16.844	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	47345	5.685	ug/l	99
83) tert-Butylbenzene	12.97	119	13629	1.953	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	816546	96.982	ug/l	99
85) sec-Butylbenzene	13.14	105	67523	7.286	ug/l #	73
86) p-Isopropyltoluene	13.26	119	35280	4.181	ug/l	99
89) n-Butylbenzene	13.59	91	38430	5.186	ug/l #	78
95) Naphthalene	15.11	128	4030	0.462	ug/l	96

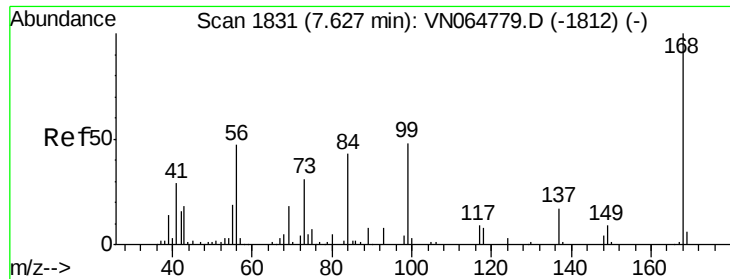
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064788.D

Acq: 23 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleID :

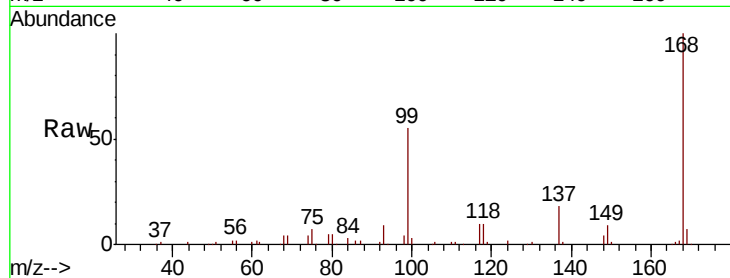
FD-111620DL

Tot Ion:168 Resp: 154812

Ion Ratio Lower Upper

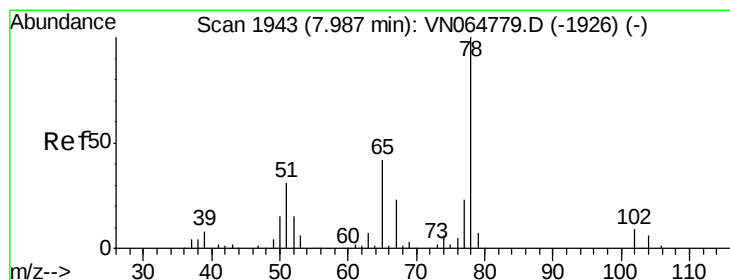
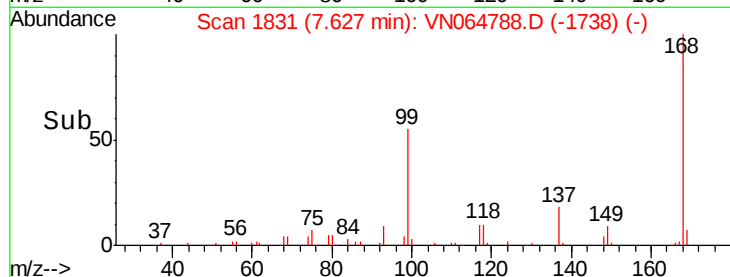
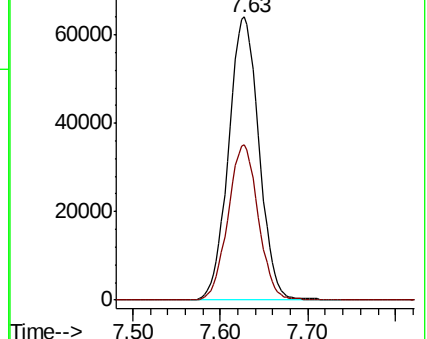
168 100

99 54.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 54.856 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064788.D

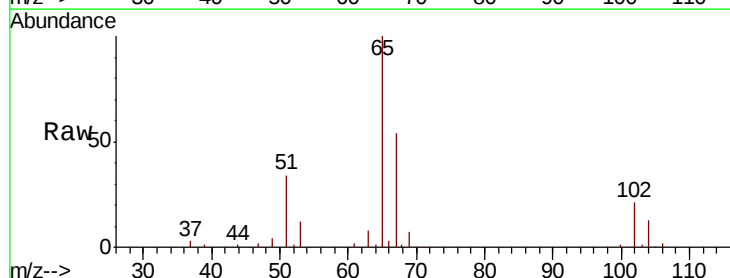
Acq: 23 Nov 2020 17:10

Tgt Ion: 65 Resp: 98730

Ion Ratio Lower Upper

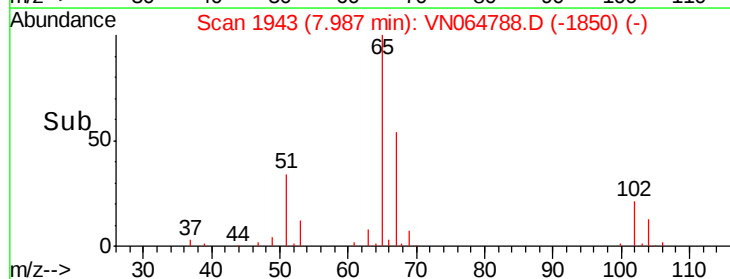
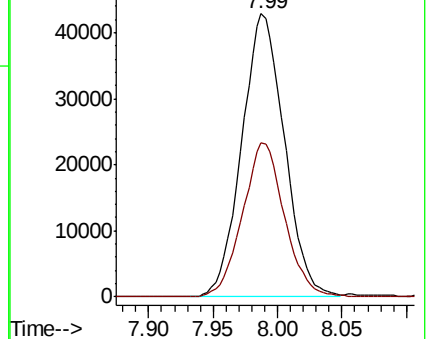
65 100

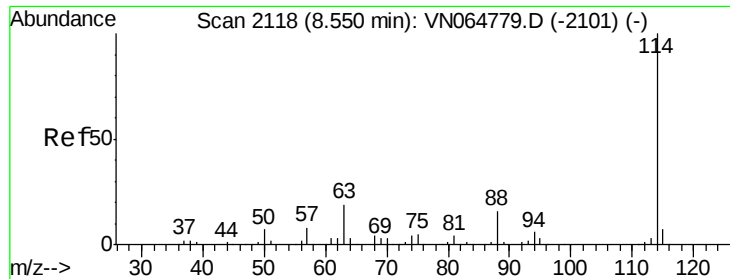
67 53.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

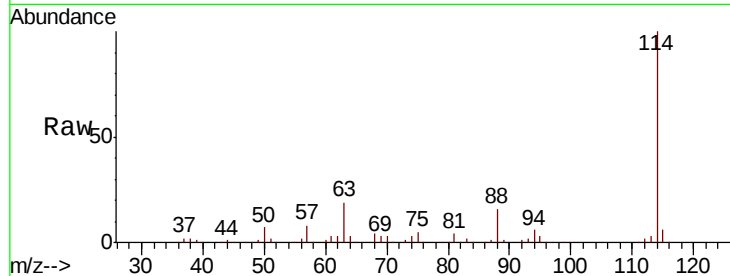




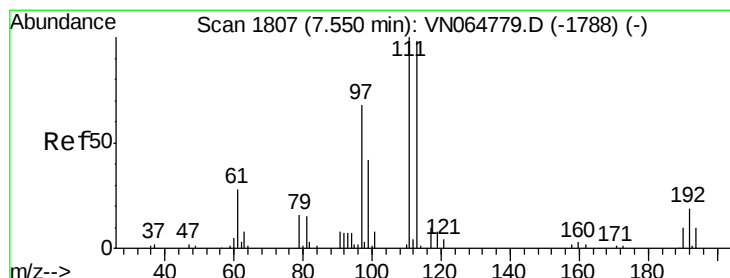
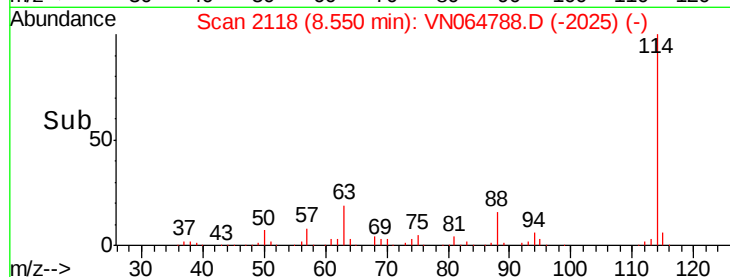
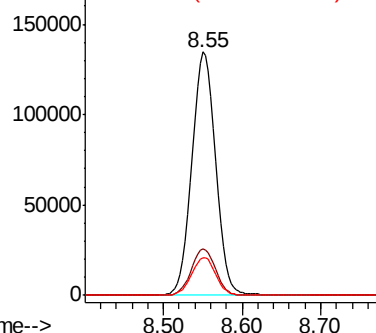
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
FD-111620DL

Tot Ion:114 Resp: 280681
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.6 0.0 32.6

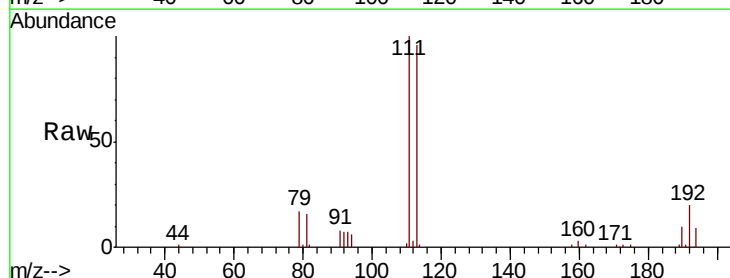


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

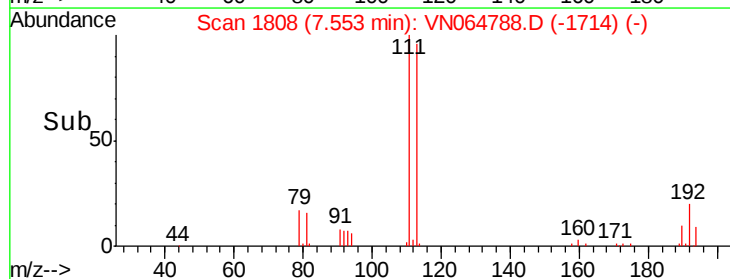
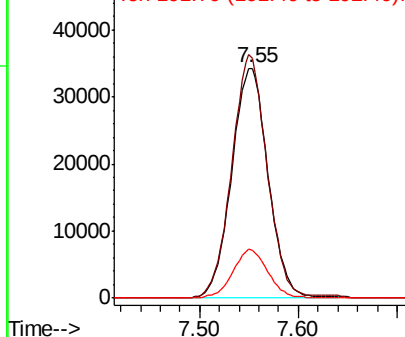


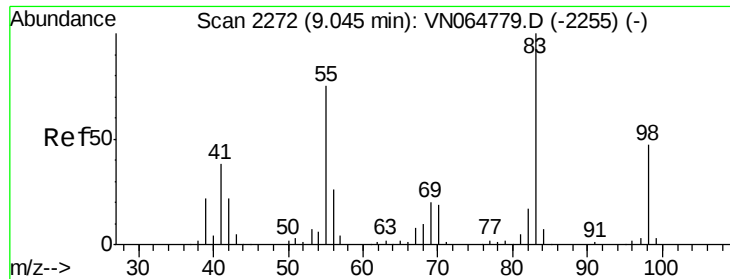
#35
Dibromofluoromethane
Concen: 52.374 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion:113 Resp: 87962
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 20.2 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

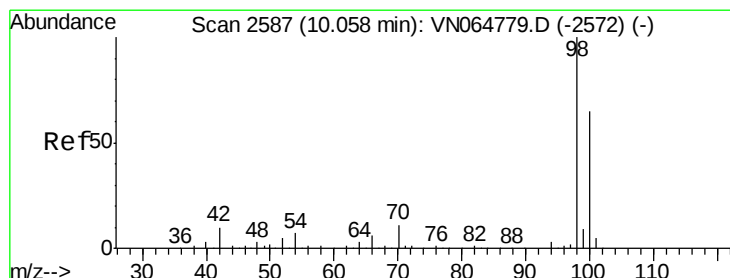
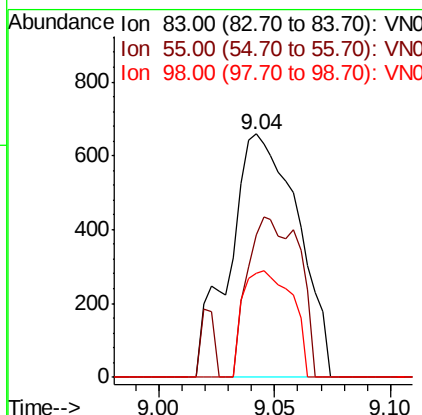
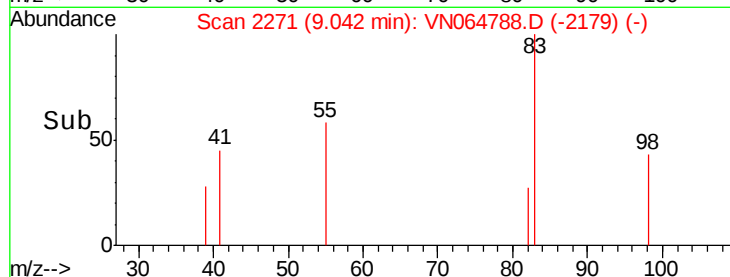
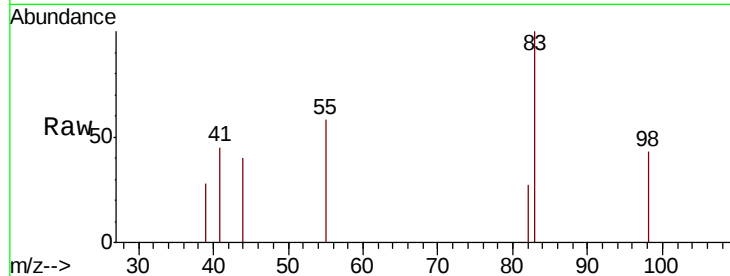




#39
Methvlcvclohexane
Concen: 0.481 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

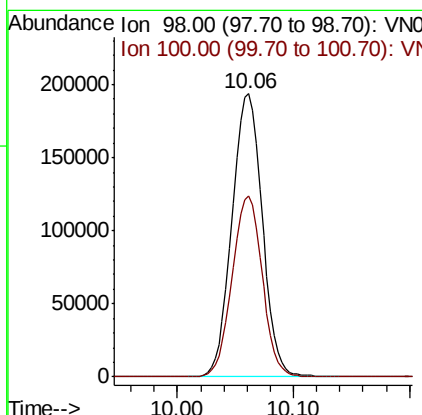
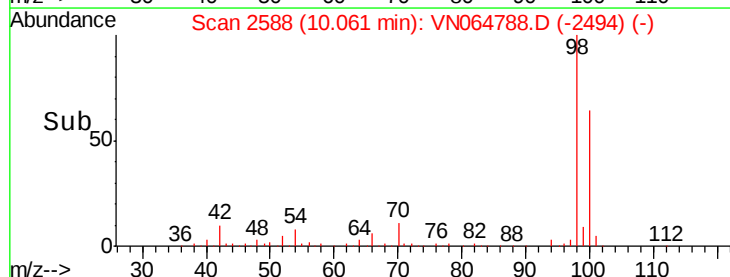
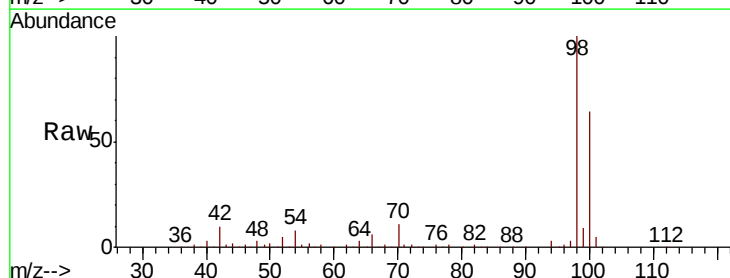
Instrument :
MSVOA_N
ClientSampled :
FD-111620DL

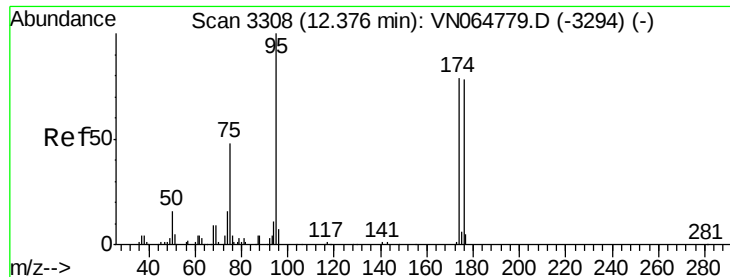
Tot Ion: 83 Resp: 1347
Ion Ratio Lower Upper
83 100
55 58.4 60.2 90.2#
98 42.8 37.4 56.2



#50
Toluene-d8
Concen: 51.116 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion: 98 Resp: 350774
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

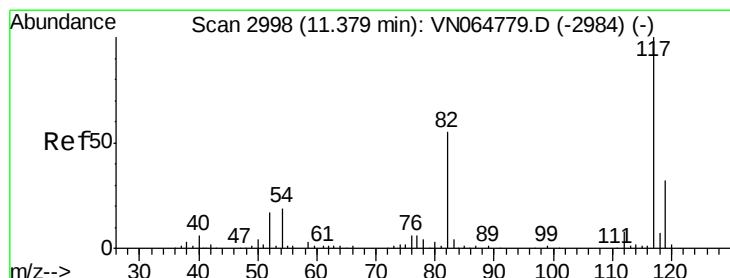
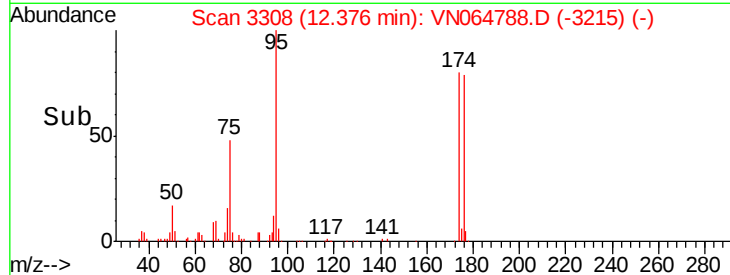
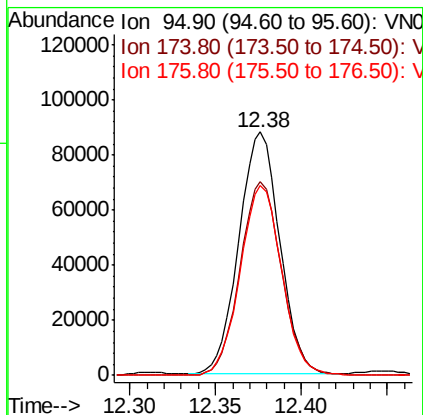
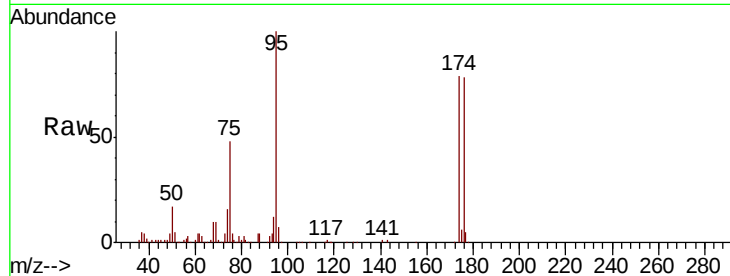




#62
4-Bromofluorobenzene
Concen: 59.112 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

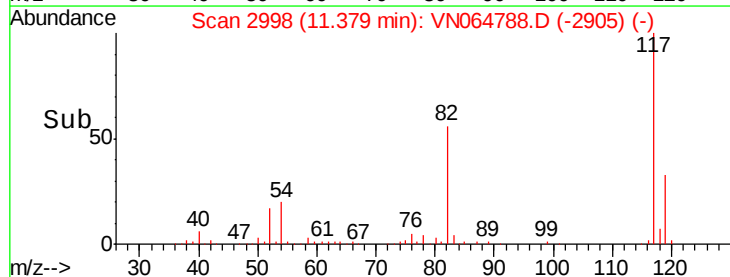
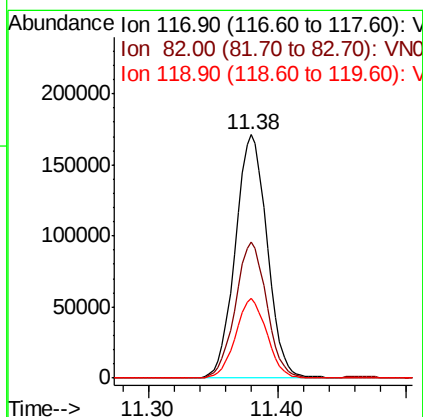
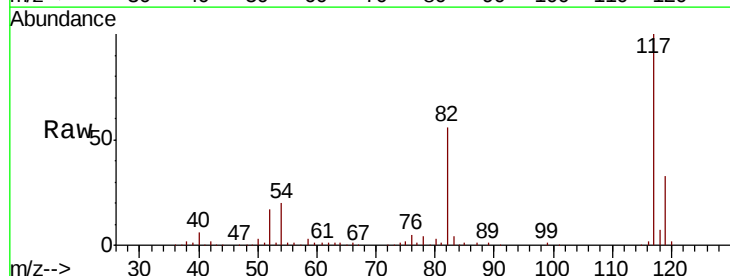
Instrument :
MSVOA_N
ClientSampleId :
FD-111620DL

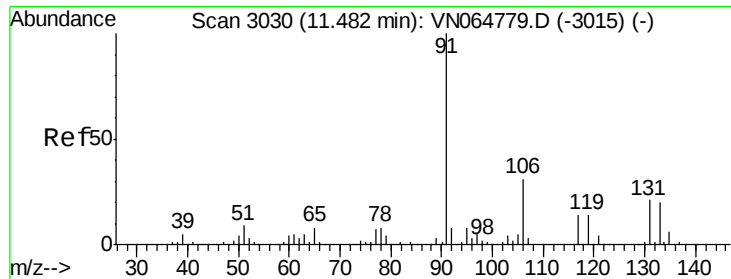
Tot Ion: 95 Resp: 145172
Ion Ratio Lower Upper
95 100
174 81.2 0.0 160.4
176 79.7 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion: 117 Resp: 293792
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.5 25.8 38.6

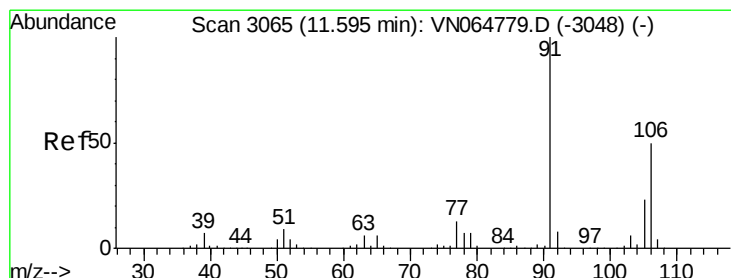
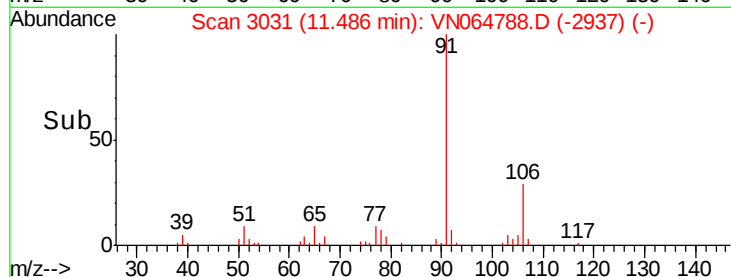
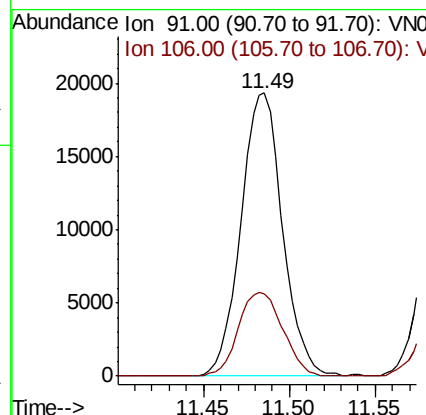
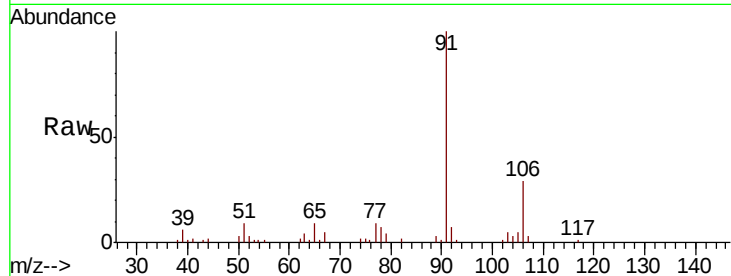




#67
Ethyl Benzene
Concen: 3.085 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

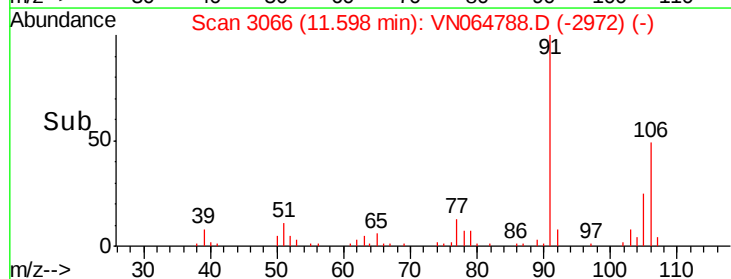
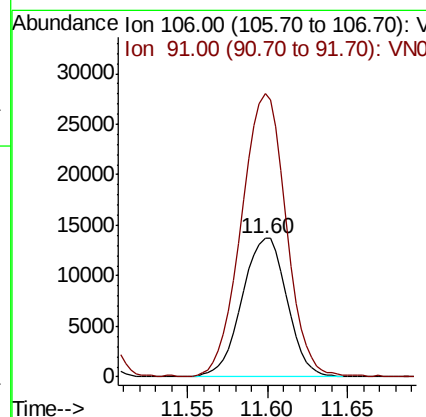
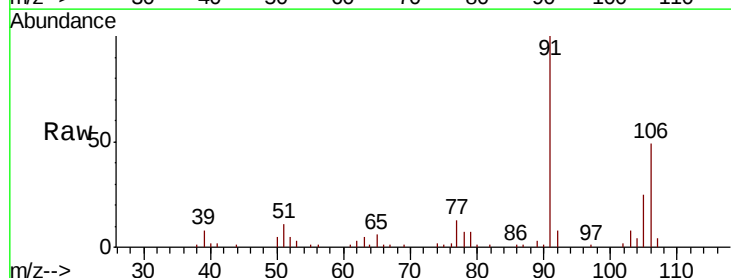
Instrument :
MSVOA_N
ClientSampled :
FD-111620DL

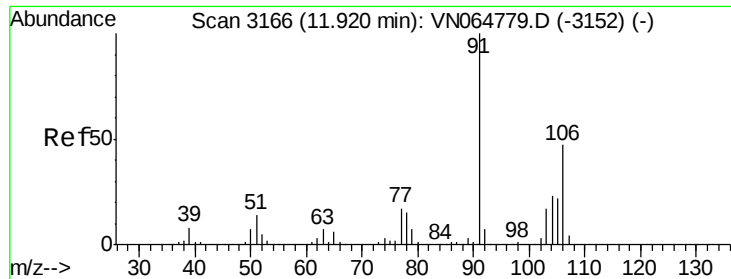
Tot Ion: 91 Resp: 32512
Ion Ratio Lower Upper
91 100
106 29.3 25.2 37.8



#68
m/p-Xylenes
Concen: 6.605 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion: 106 Resp: 26357
Ion Ratio Lower Upper
106 100
91 203.5 161.0 241.4

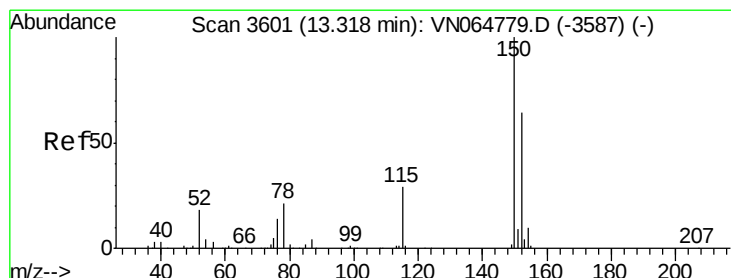
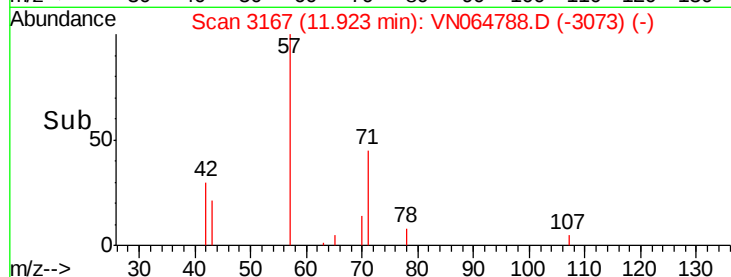
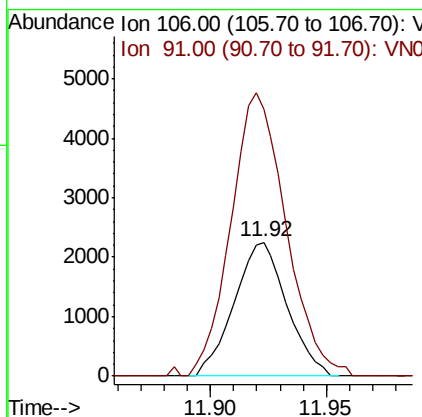
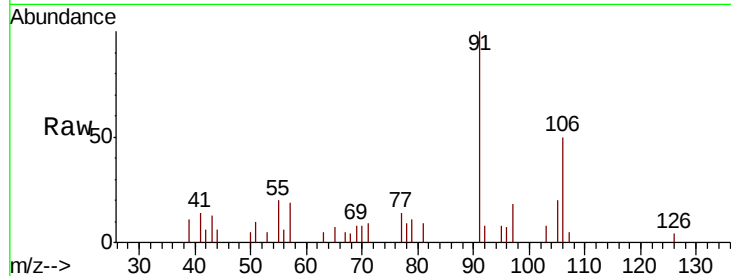




#69
o-Xylene
Concen: 0.933 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

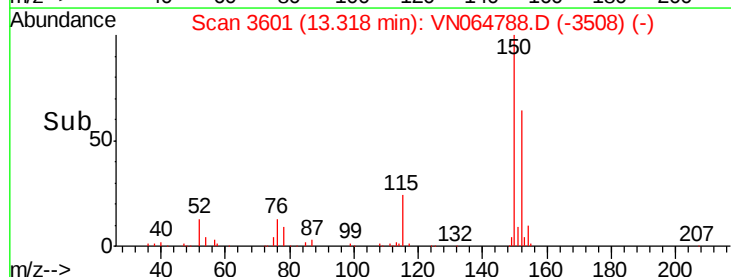
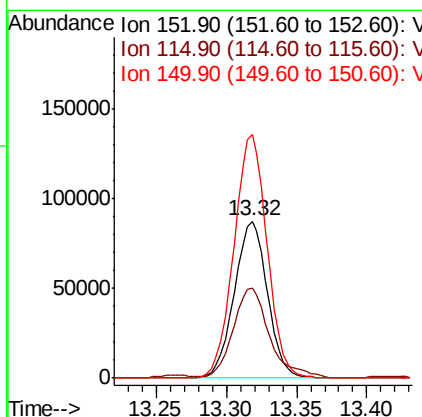
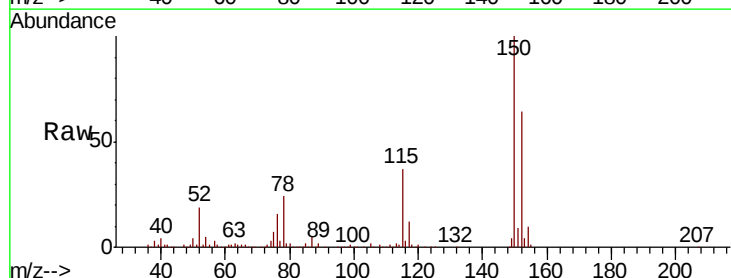
Instrument :
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FD-111620DL

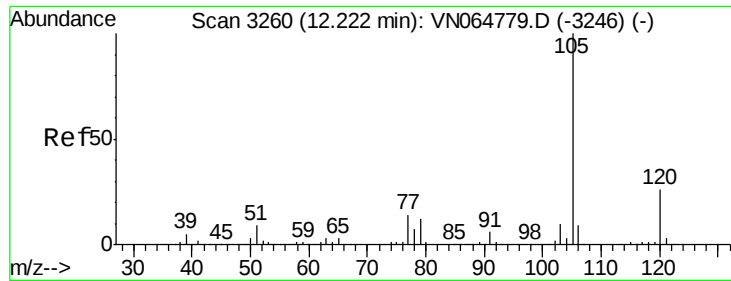
Tot Ion:106 Resp: 3532
Ion Ratio Lower Upper
106 100
91 222.1 105.5 316.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion:152 Resp: 144034
Ion Ratio Lower Upper
152 100
115 62.7 29.7 89.1
150 155.4 0.0 350.6





#73

Isopropylbenzene

Concen: 9.743 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064788.D

Acq: 23 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleID :

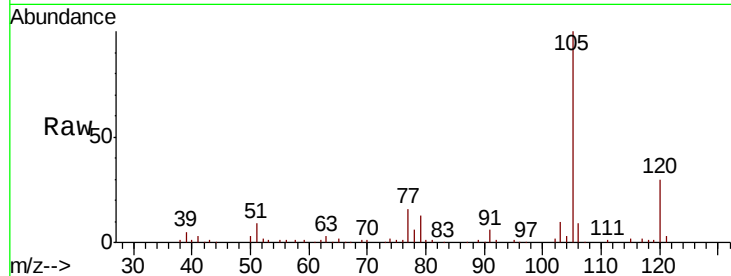
FD-111620DL

Tot Ion:105 Resp: 97611

Ion Ratio Lower Upper

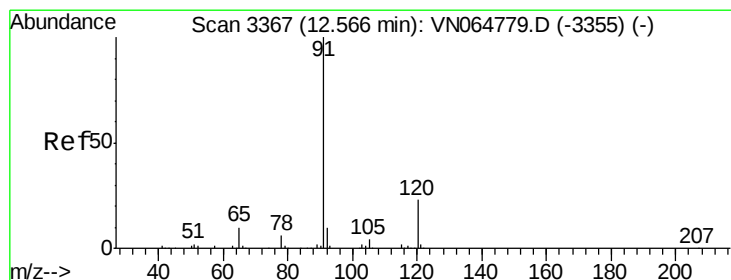
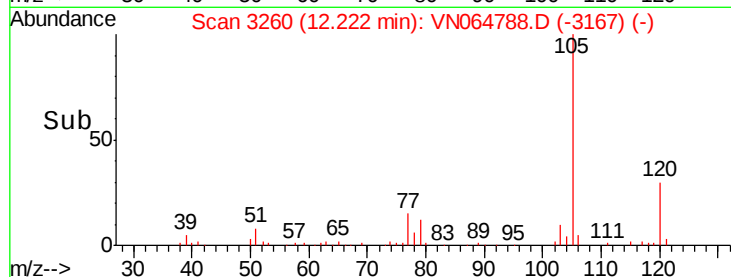
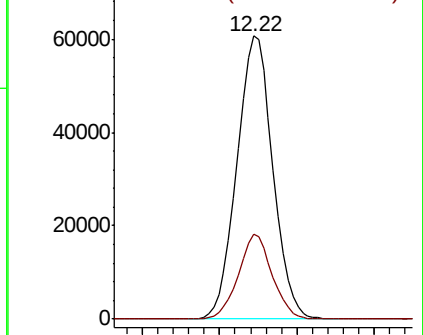
105 100

120 28.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 16.844 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064788.D

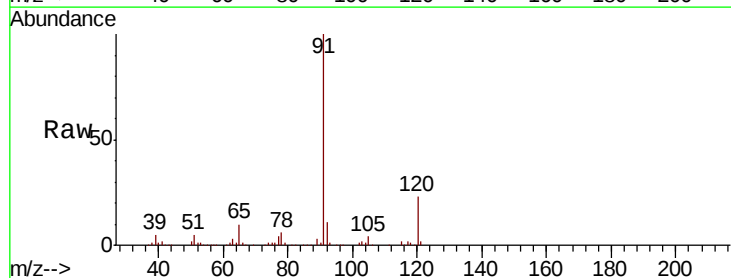
Acq: 23 Nov 2020 17:10

Tgt Ion: 91 Resp: 192248

Ion Ratio Lower Upper

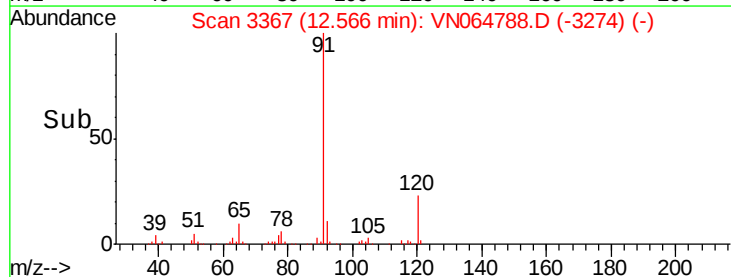
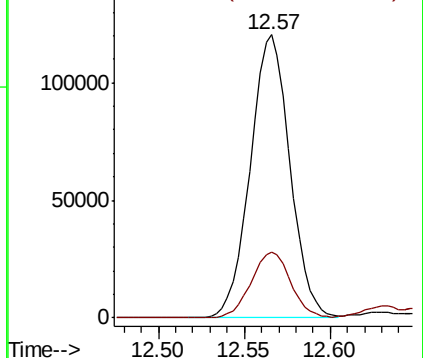
91 100

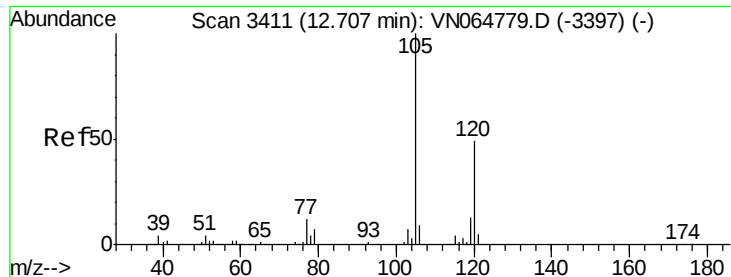
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.685 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064788.D

Acq: 23 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

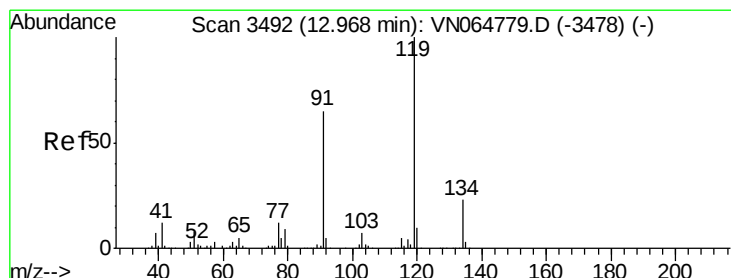
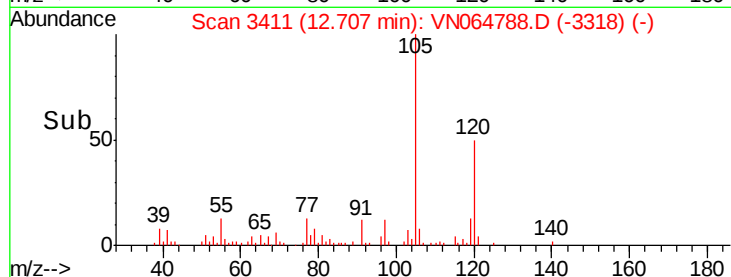
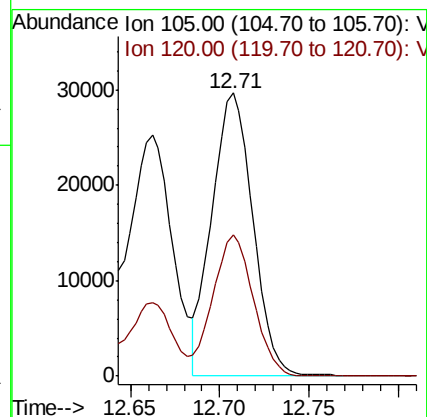
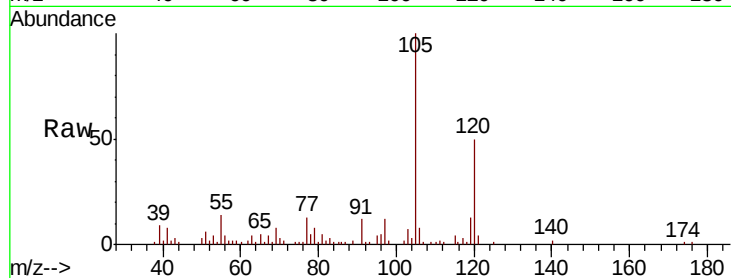
FD-111620DL

Tot Ion:105 Resp: 47345

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



#83

tert-Butylbenzene

Concen: 1.953 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064788.D

Acq: 23 Nov 2020 17:10

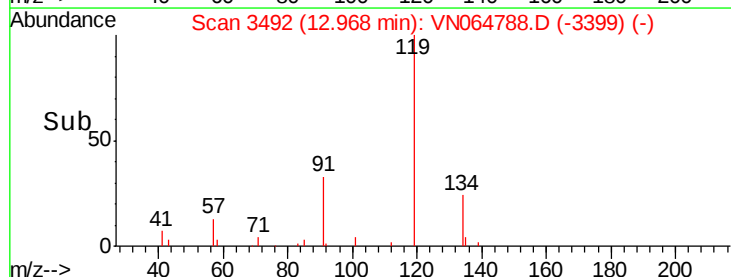
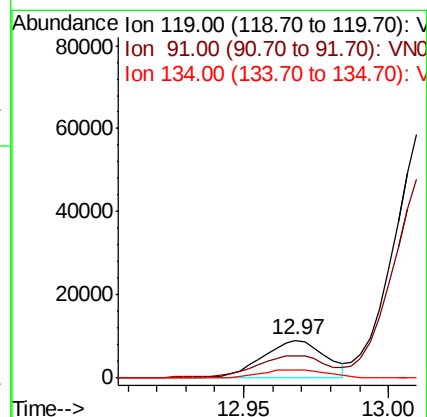
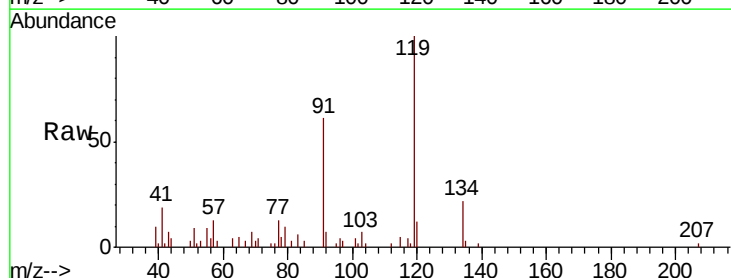
Tgt Ion:119 Resp: 13629

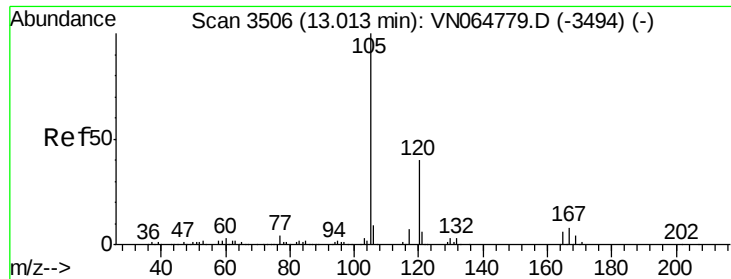
Ion Ratio Lower Upper

119 100

91 61.9 32.3 96.8

134 24.6 12.6 37.6

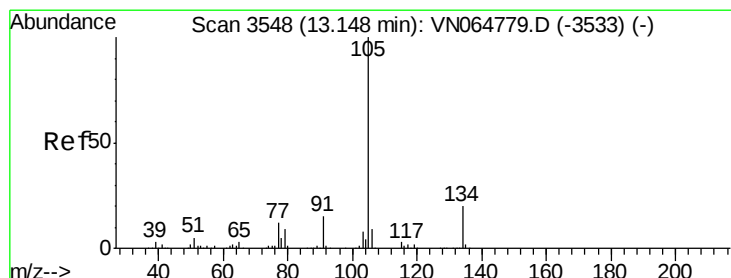
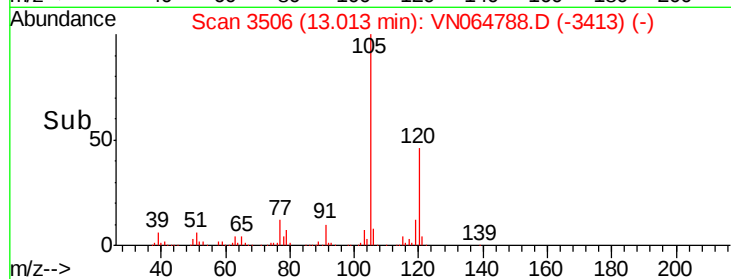
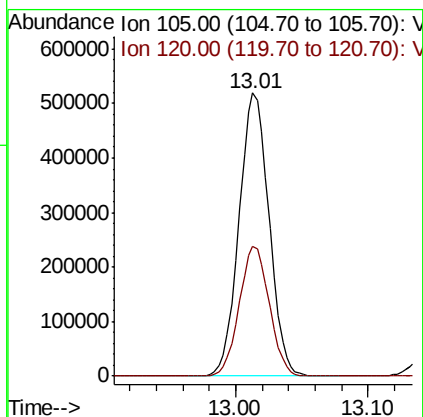
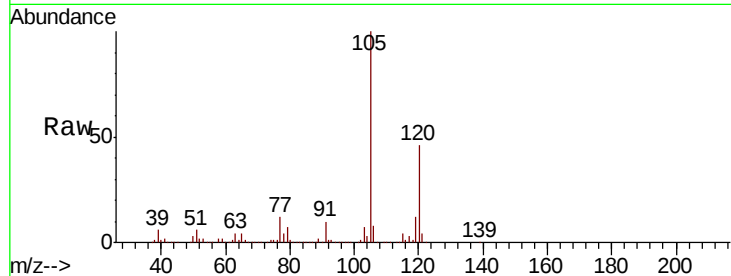




#84
 1,2,4-Trimethylbenzene
 Concen: 96.982 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064788.D
 Acq: 23 Nov 2020 17:10

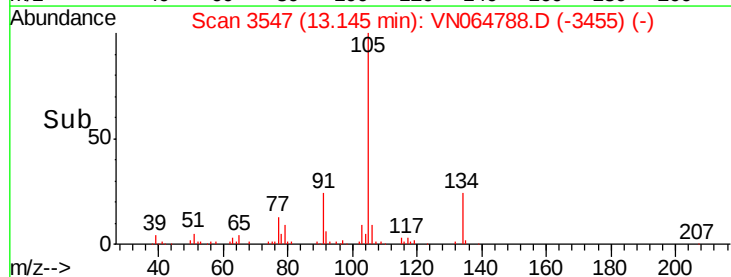
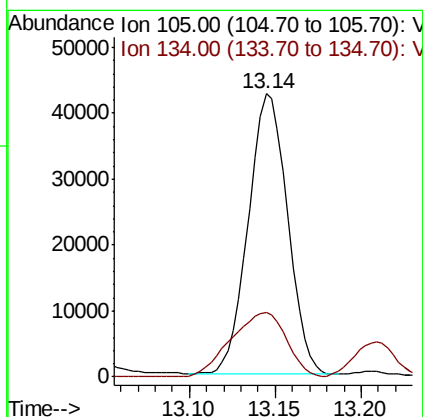
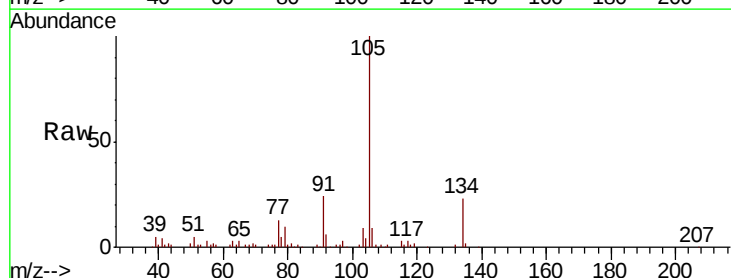
Instrument :
 MSVOA_N
 ClientSampled :
 FD-111620DL

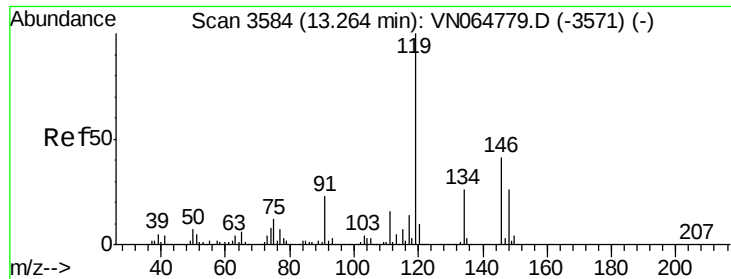
Tot Ion:105 Resp: 816546
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 7.286 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064788.D
 Acq: 23 Nov 2020 17:10

Tgt Ion:105 Resp: 67523
 Ion Ratio Lower Upper
 105 100
 134 32.4 10.1 30.1#

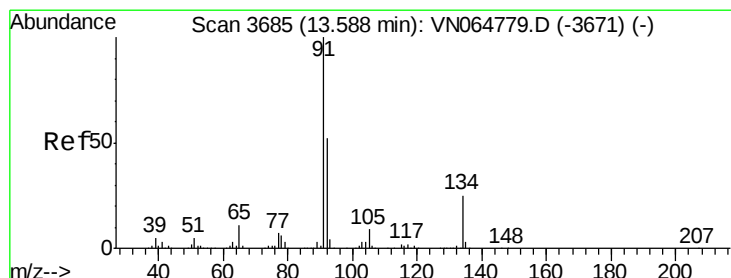
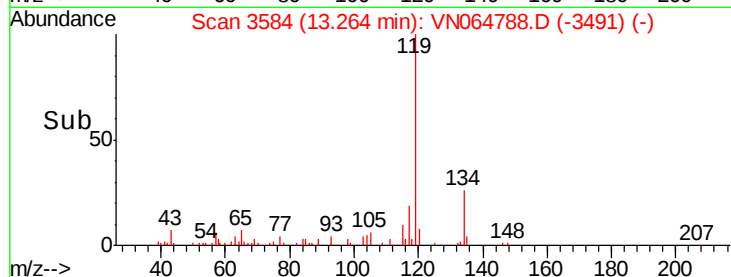
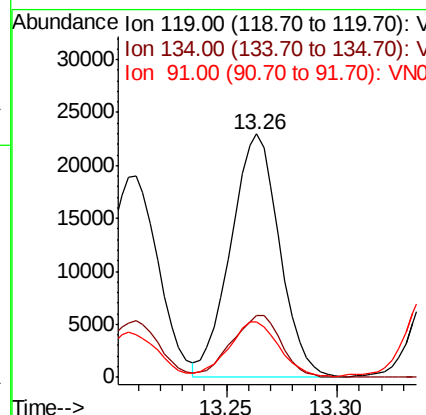
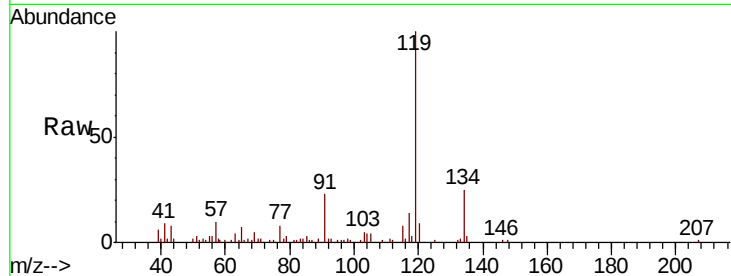




#86
p-Isopropyltoluene
Concen: 4.181 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

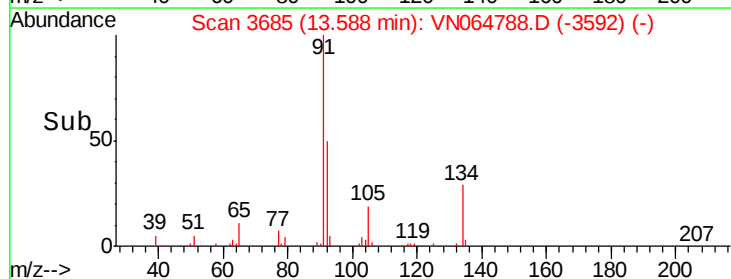
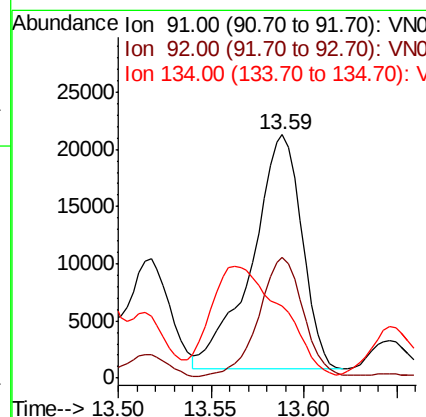
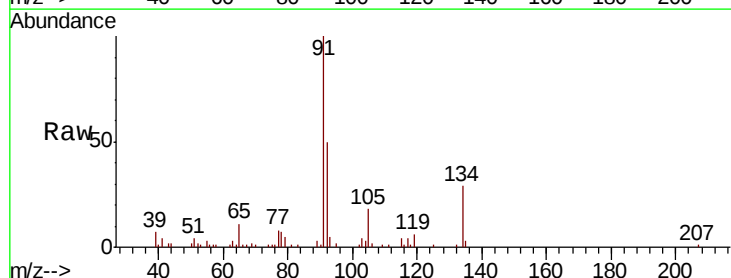
Instrument :
MSVOA_N
ClientSampleID :
FD-111620DL

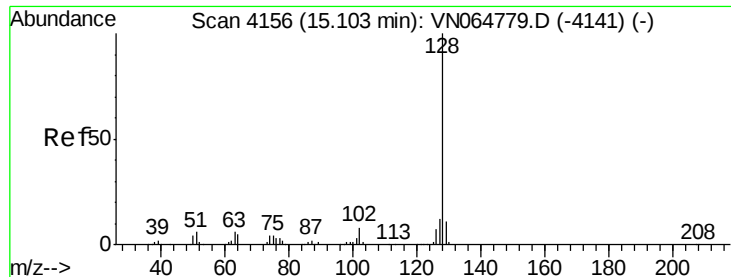
Tot Ion: 119 Resp: 35280
Ion Ratio Lower Upper
119 100
134 25.7 13.1 39.1
91 23.8 11.5 34.5



#89
n-Butylbenzene
Concen: 5.186 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064788.D
Acq: 23 Nov 2020 17:10

Tgt Ion: 91 Resp: 38430
Ion Ratio Lower Upper
91 100
92 46.8 26.0 78.0
134 0.0 12.9 38.6#





#95

Naphthalene

Concen: 0.462 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064788.D

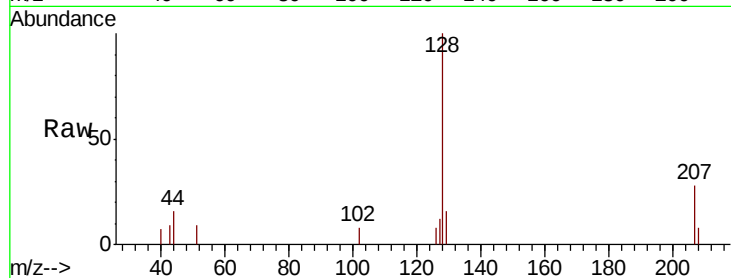
Acq: 23 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

FD-111620DL



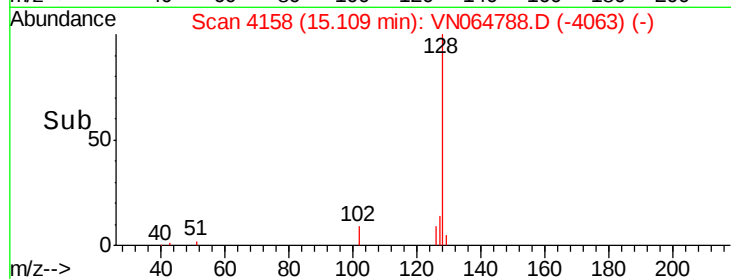
Tot Ion:128 Resp: 4030

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 9.5 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

