

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061493.D
 Acq On : 19 May 2020 19:04
 Operator : JC/MD
 Sample : L2645-02DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: May 20 06:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	516390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	197061	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	7.55	113	148490	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	
50) Toluene-d8	10.06	98	640815	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.38	95	251715	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	

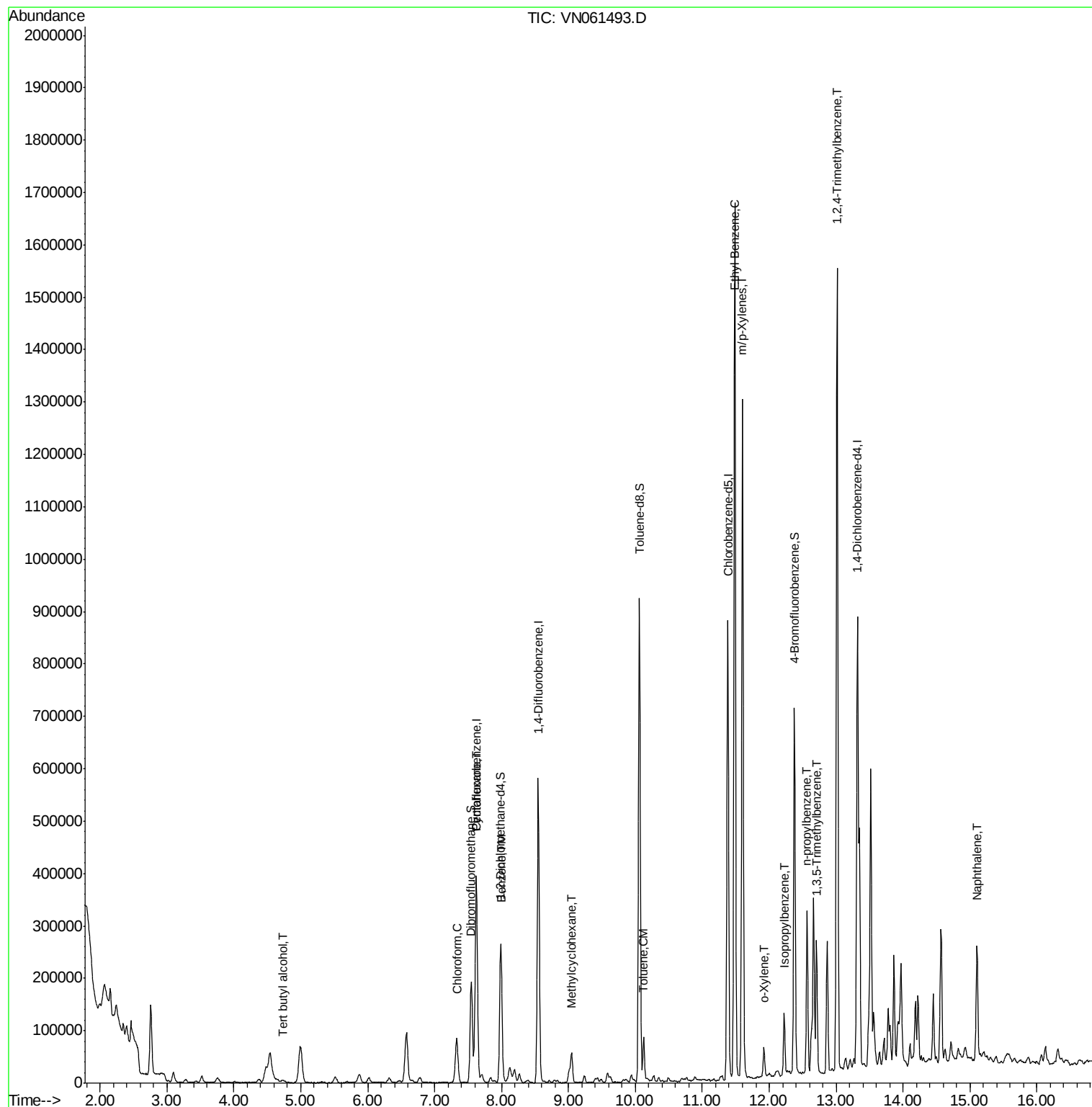
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	9191	19.035	ug/l #	73
30) Chloroform	7.33	83	83487	13.020	ug/l	96
31) Cyclohexane	7.61	56	33539	3.434	ug/l #	86
39) Methylcyclohexane	9.05	83	26131	4.431	ug/l	97
40) Benzene	8.00	78	62285	4.280	ug/l	100
52) Toluene	10.12	92	36183	3.873	ug/l	99
67) Ethyl Benzene	11.48	91	1229489	65.558	ug/l	100
68) m/p-Xylenes	11.60	106	388106	54.520	ug/l	99
69) o-Xylene	11.92	106	16835	2.444	ug/l	95
73) Isopropylbenzene	12.22	105	81948	4.534	ug/l	99
78) n-propylbenzene	12.57	91	253674	12.319	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	135921	9.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	864030	58.344	ug/l	99
95) Naphthalene	15.10	128	188019	15.841	ug/l	99

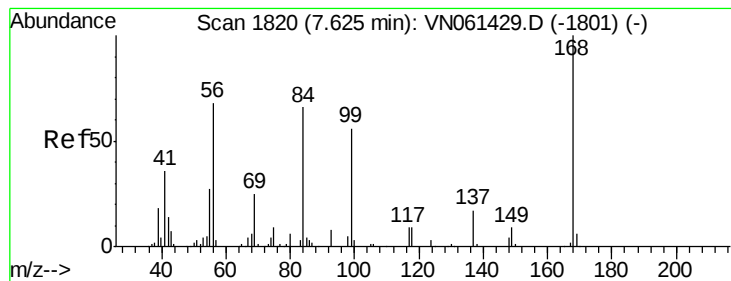
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampled :

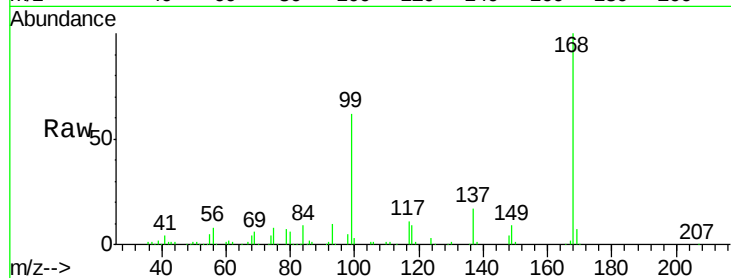
MW-3DL

Tot Ion:168 Resp: 280783

Ion Ratio Lower Upper

168 100

99 61.8 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

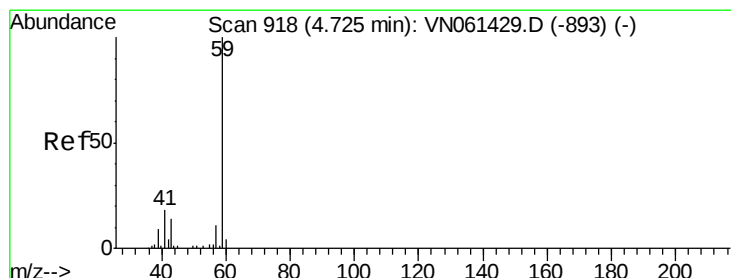
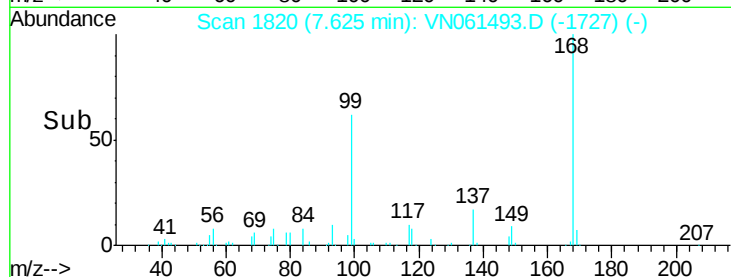
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 19.035 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.01 min

Lab File: VN061493.D

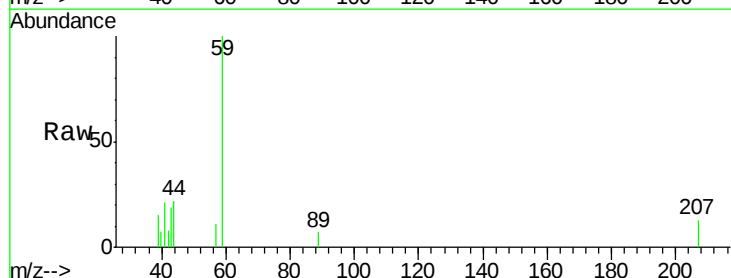
Acq: 19 May 2020 19:04

Tgt Ion: 59 Resp: 9191

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

2500

2000

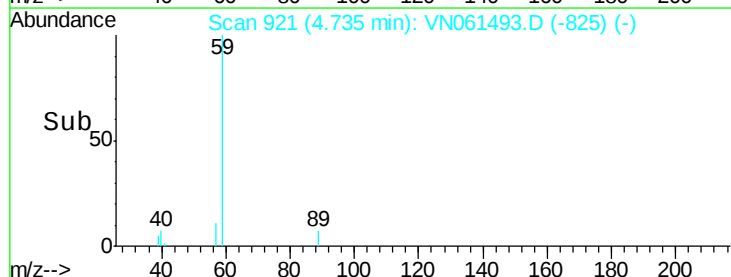
1500

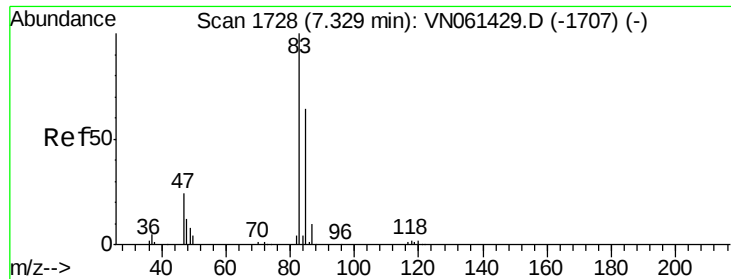
1000

500

0

Time--> 4.60 4.70 4.80

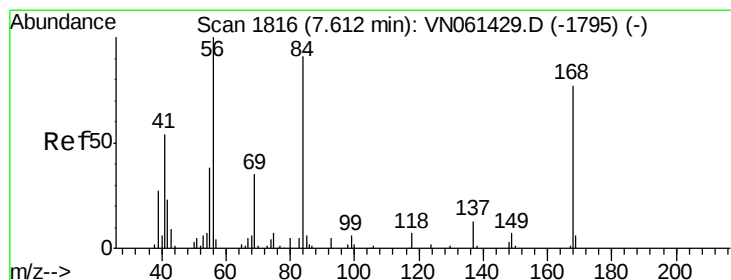
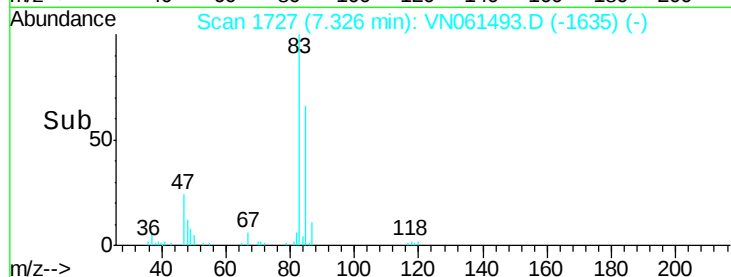
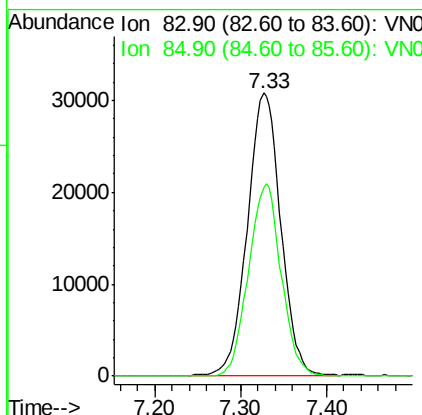
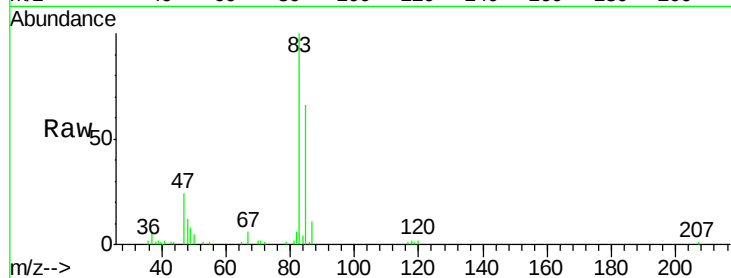




#30
Chloroform
Concen: 13.020 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

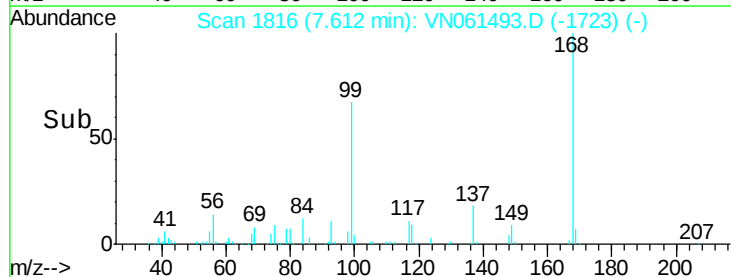
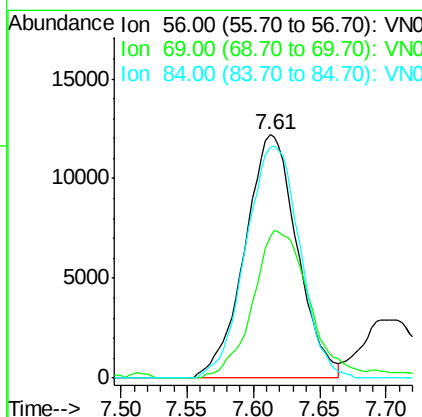
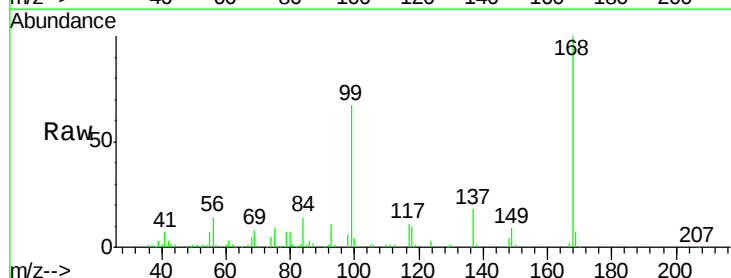
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

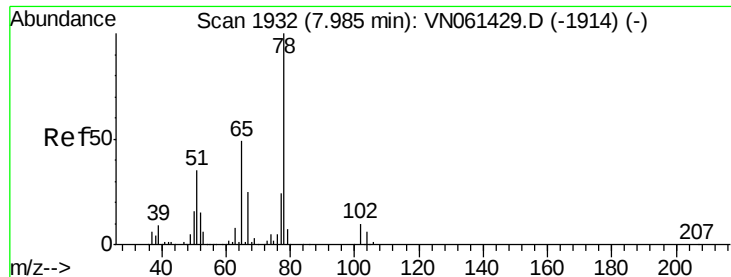
Tot Ion: 83 Resp: 83487
Ion Ratio Lower Upper
83 100
85 66.5 51.0 76.4



#31
Cyclohexane
Concen: 3.434 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

Tgt Ion: 56 Resp: 33539
Ion Ratio Lower Upper
56 100
69 58.2 27.8 41.6#
84 94.6 72.7 109.1





#33

1,2-Dichloroethane-d4

Concen: 47.025 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

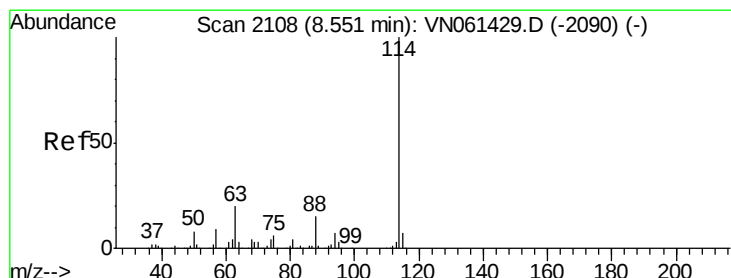
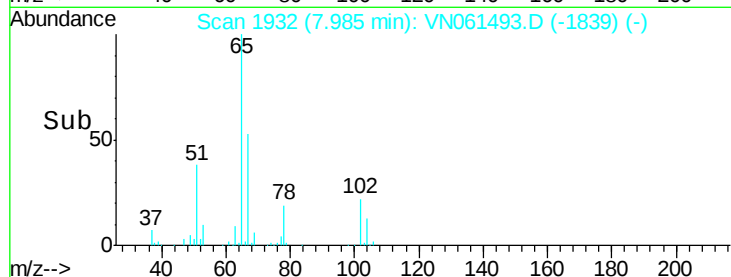
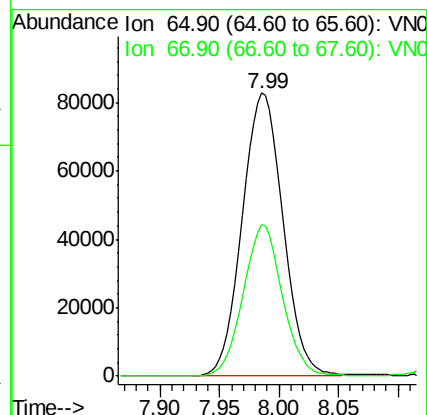
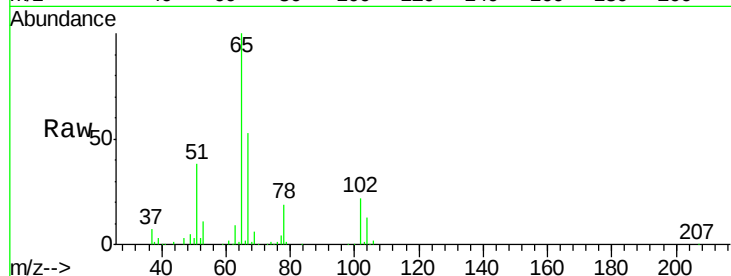
MW-3DL

Tot Ion: 65 Resp: 197061

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

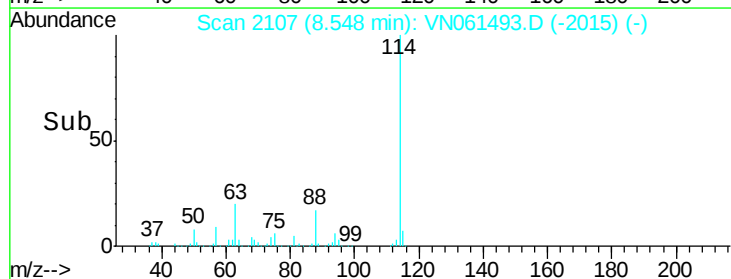
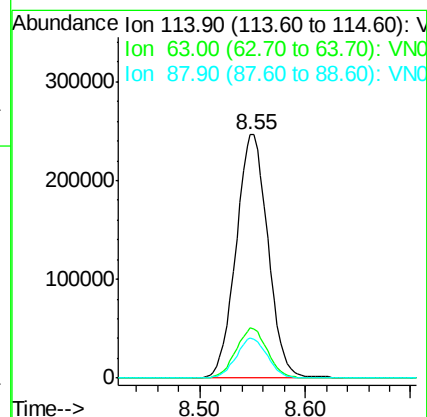
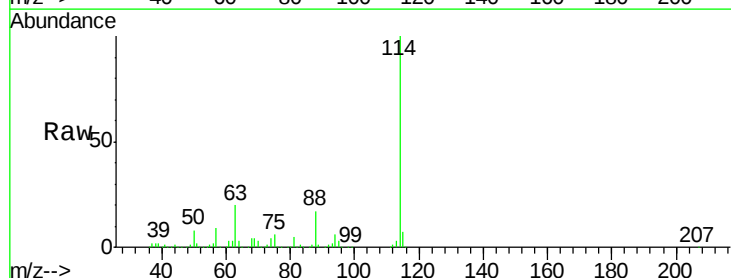
Tgt Ion: 114 Resp: 516390

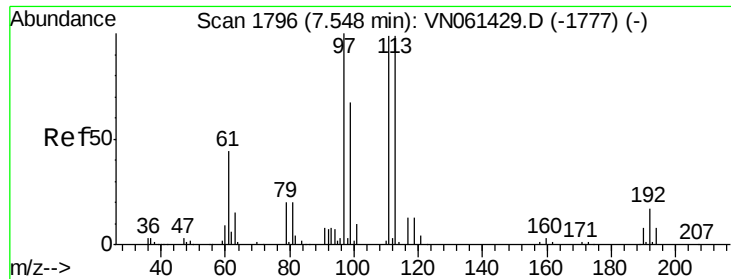
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.5 0.0 30.8

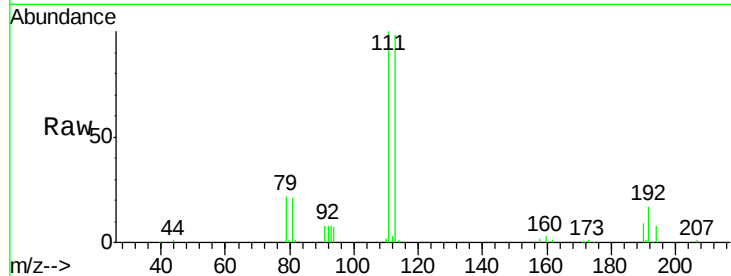




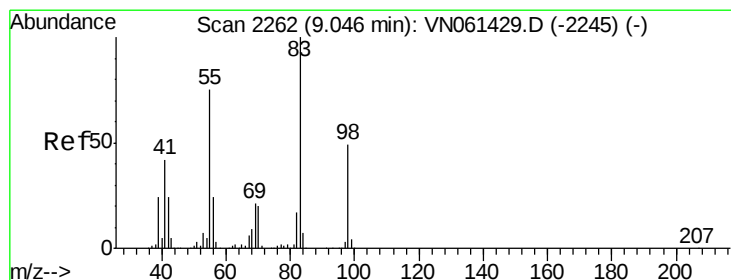
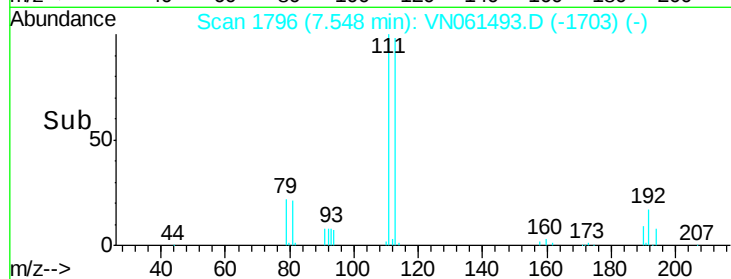
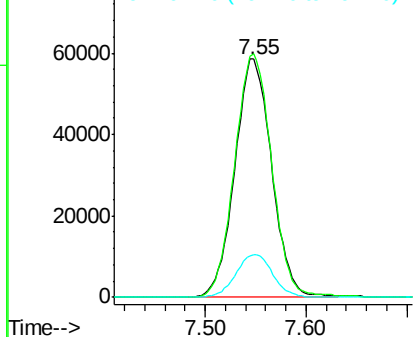
#35
 Dibromofluoromethane
 Concen: 54.890 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061493.D
 Acq: 19 May 2020 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.6	121.0
192	17.9	13.2	19.8

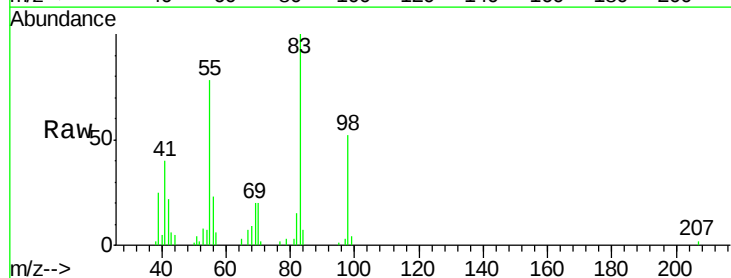


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

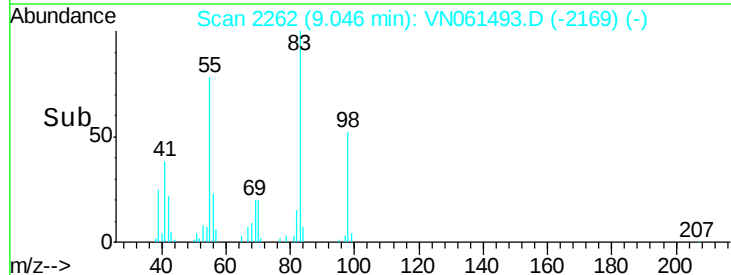
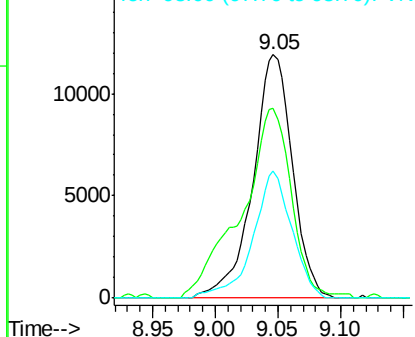


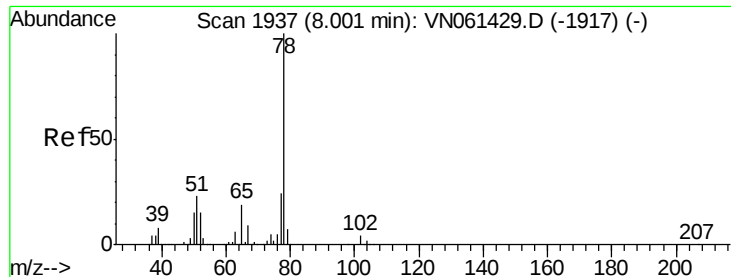
#39
 Methylcyclohexane
 Concen: 4.431 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061493.D
 Acq: 19 May 2020 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.7	89.5
98	52.2	38.9	58.3



Abundance Ion 83.00 (82.70 to 83.70): V
 Ion 55.00 (54.70 to 55.70): V
 Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 4.280 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

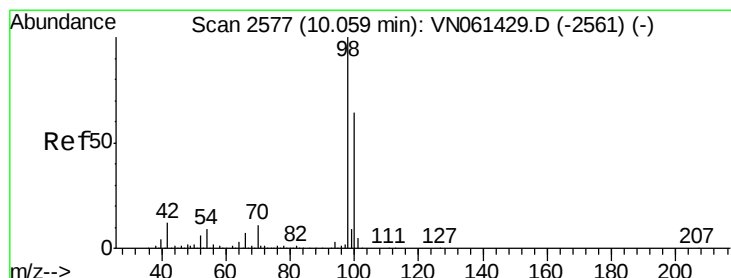
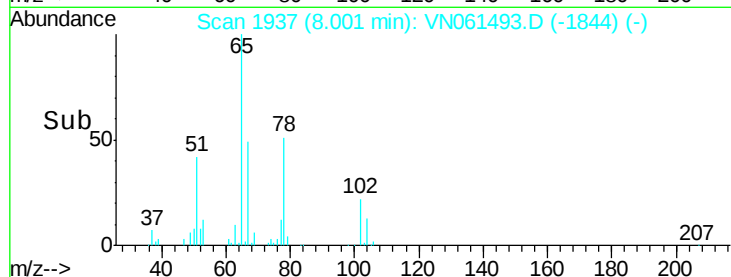
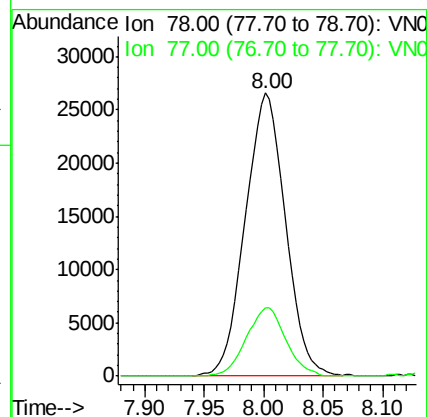
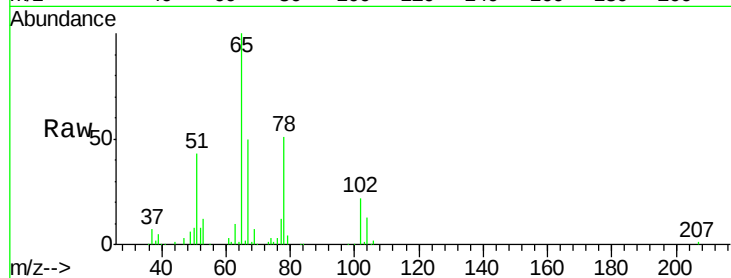
MW-3DL

Tot Ion: 78 Resp: 62285

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7



#50

Toluene-d8

Concen: 51.071 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061493.D

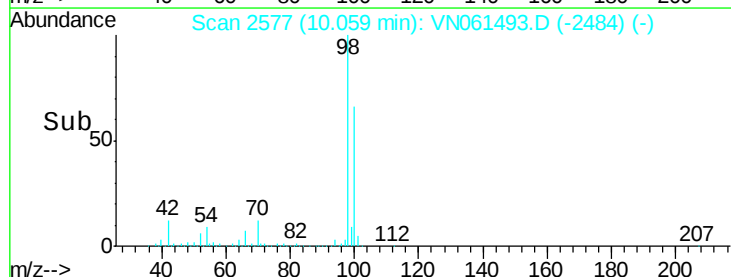
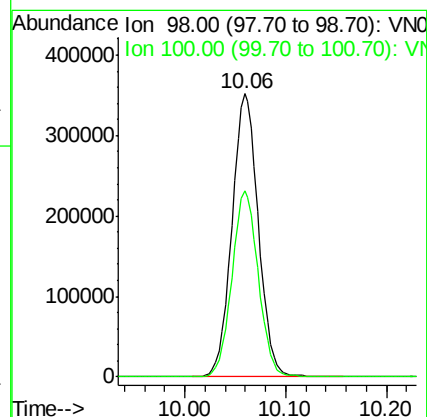
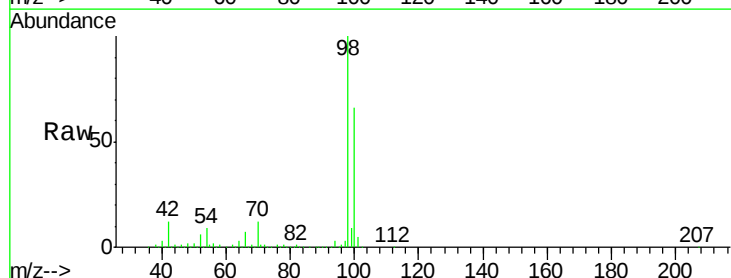
Acq: 19 May 2020 19:04

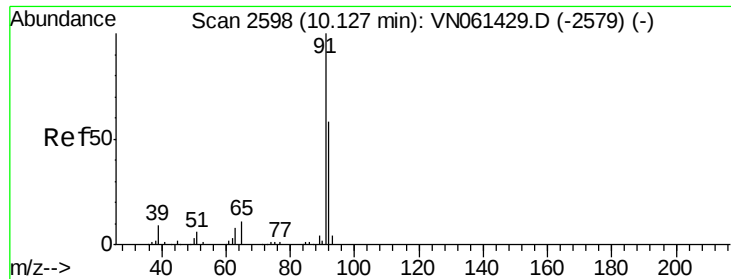
Tgt Ion: 98 Resp: 640815

Ion Ratio Lower Upper

98 100

100 65.7 51.8 77.8





#52

Toluene

Concen: 3.873 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

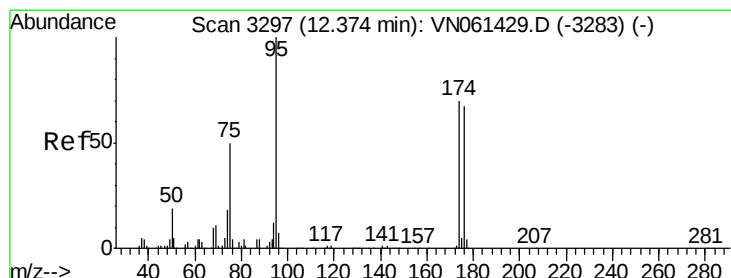
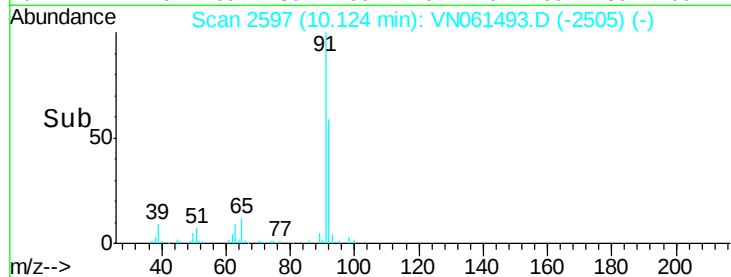
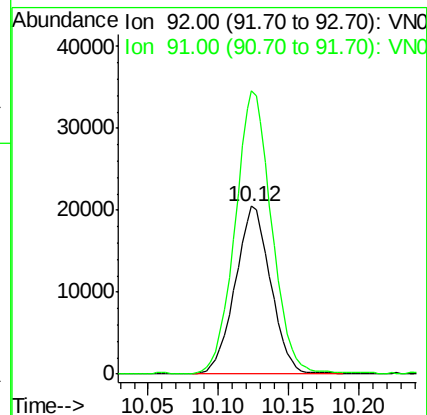
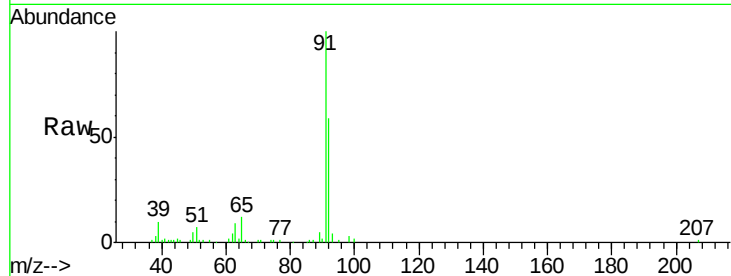
MW-3DL

Tot Ion: 92 Resp: 36183

Ion Ratio Lower Upper

92 100

91 173.3 138.0 207.0



#62

4-Bromofluorobenzene

Concen: 53.695 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

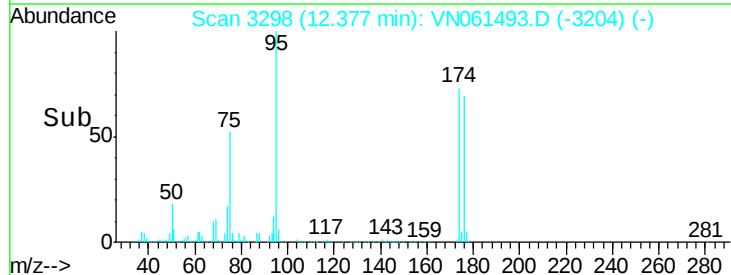
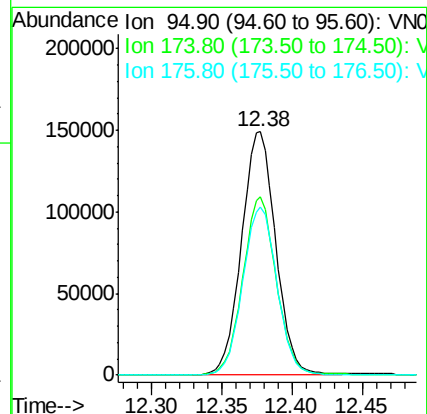
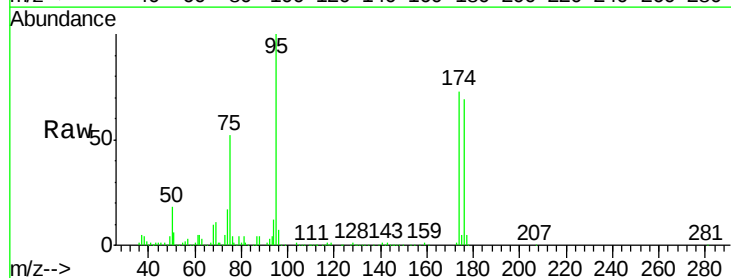
Tgt Ion: 95 Resp: 251715

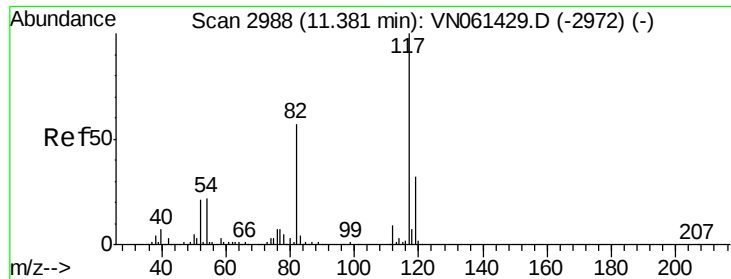
Ion Ratio Lower Upper

95 100

174 71.6 0.0 141.2

176 69.6 0.0 137.6

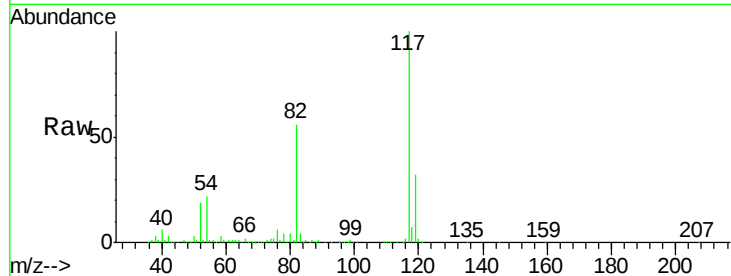




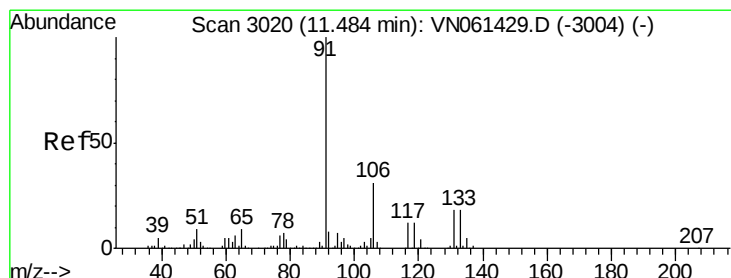
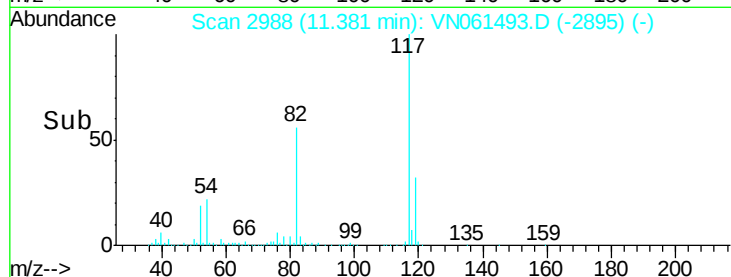
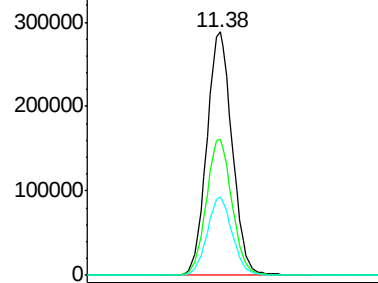
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

Instrument :
MSVOA_N
ClientSampled :
MW-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.2	67.8
119	32.0	25.3	37.9

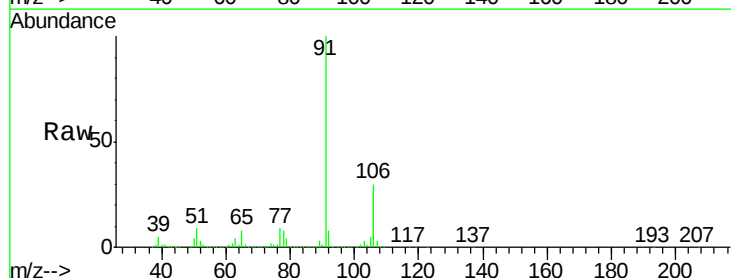


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

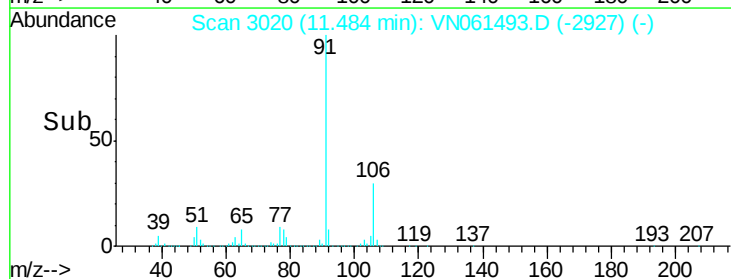
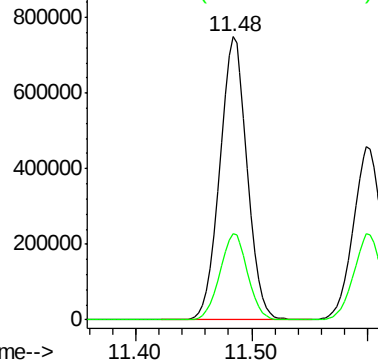


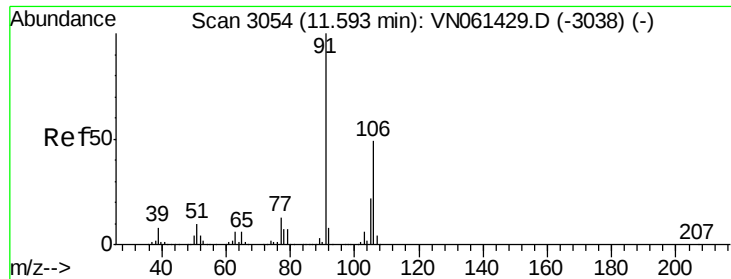
#67
Ethyl Benzene
Concen: 65.558 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8



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

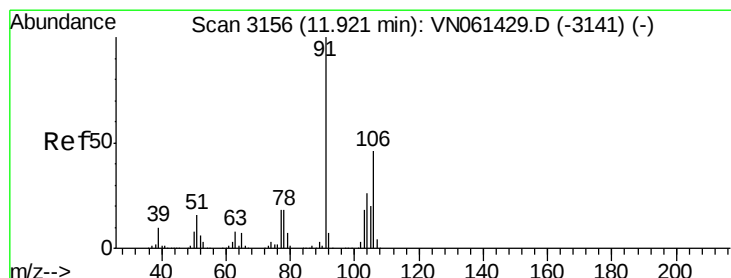
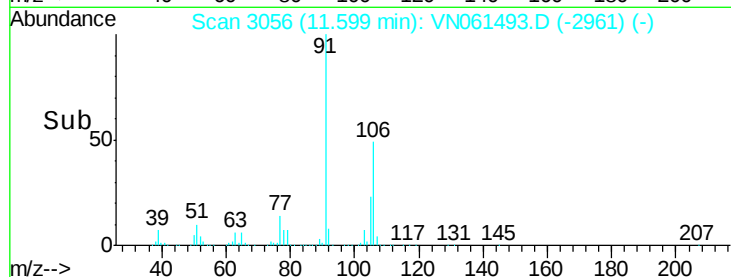
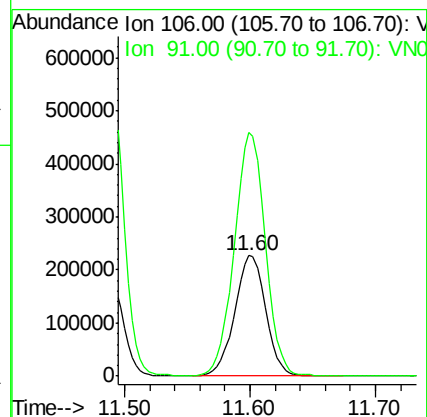
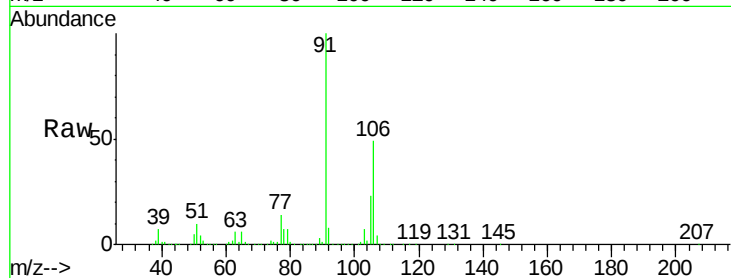




#68
m/p-Xylenes
Concen: 54.520 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

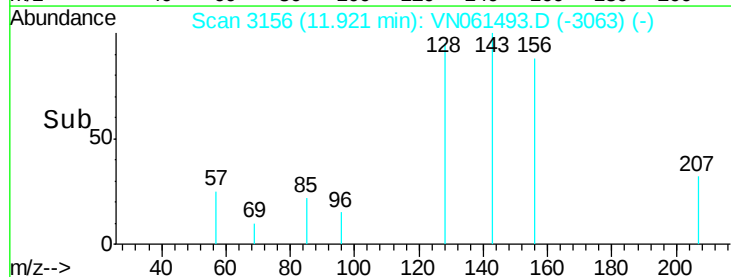
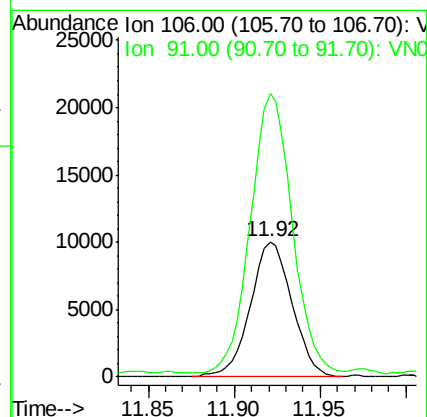
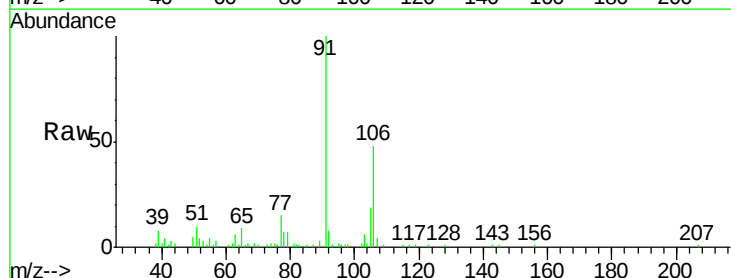
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

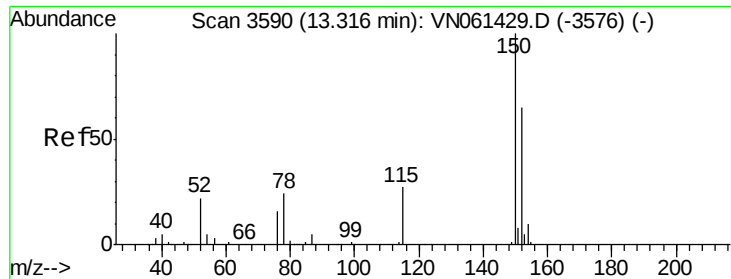
Tot Ion:106 Resp: 388106
Ion Ratio Lower Upper
106 100
91 203.0 163.0 244.6



#69
o-Xylene
Concen: 2.444 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061493.D
Acq: 19 May 2020 19:04

Tgt Ion:106 Resp: 16835
Ion Ratio Lower Upper
106 100
91 207.2 107.9 323.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

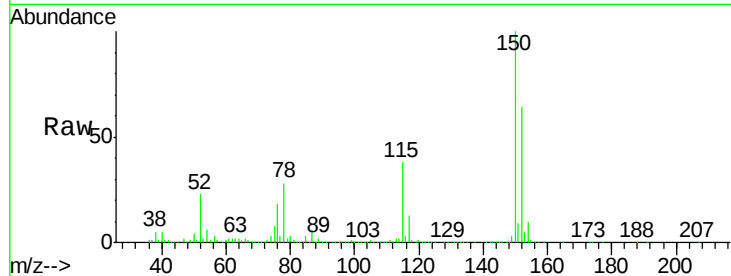
Tot Ion:152 Resp: 225119

Ion Ratio Lower Upper

152 100

115 65.0 30.9 92.5

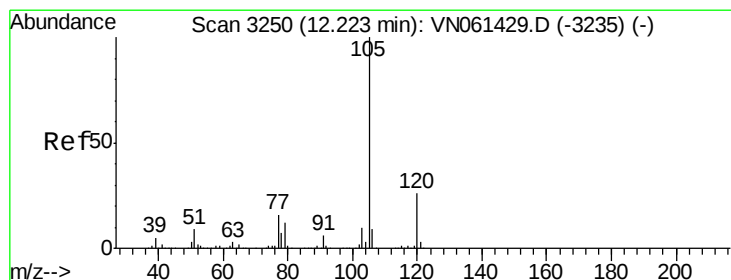
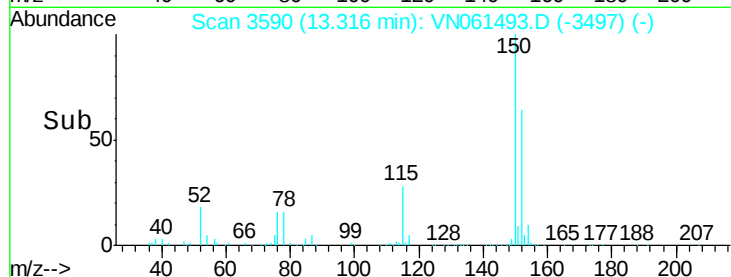
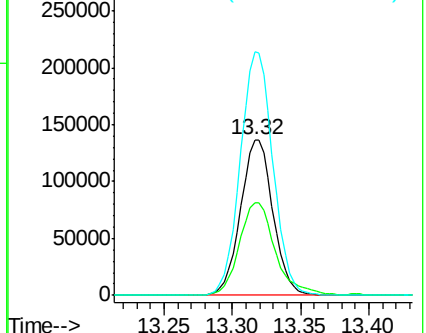
150 158.5 0.0 349.2



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: 4.534 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061493.D

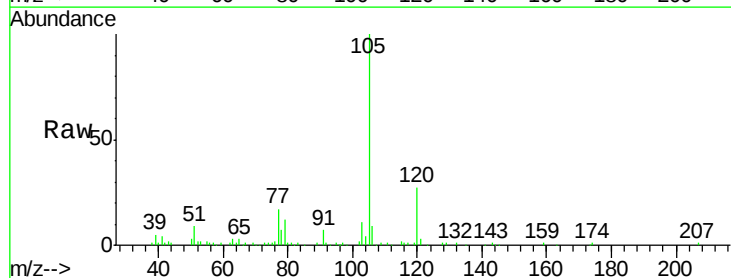
Acq: 19 May 2020 19:04

Tgt Ion:105 Resp: 81948

Ion Ratio Lower Upper

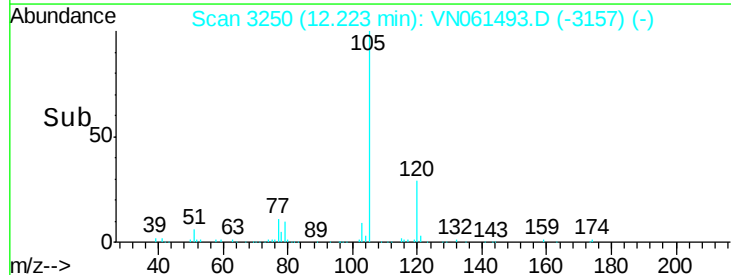
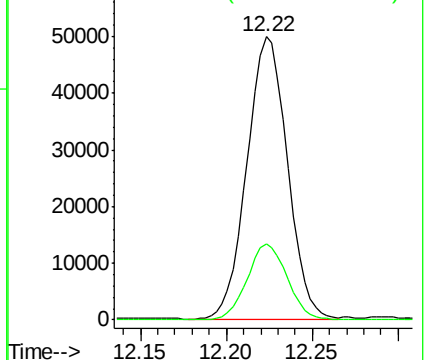
105 100

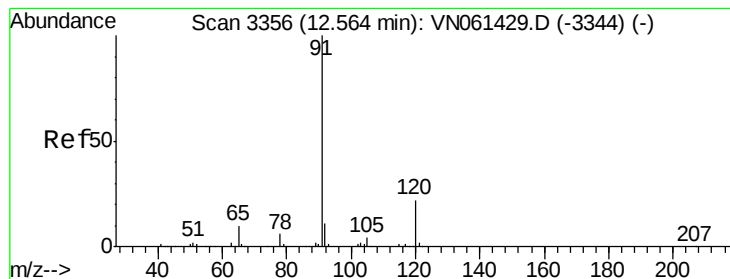
120 26.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.319 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

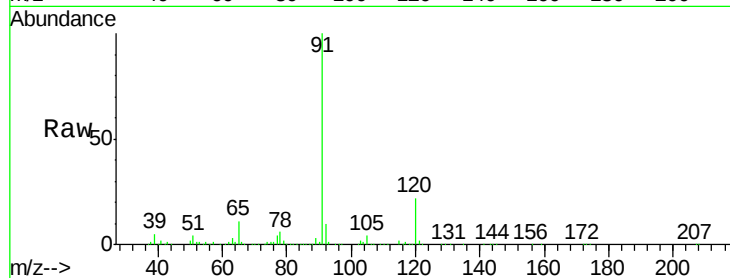
MW-3DL

Tot Ion: 91 Resp: 253674

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3344) (-)

12.57

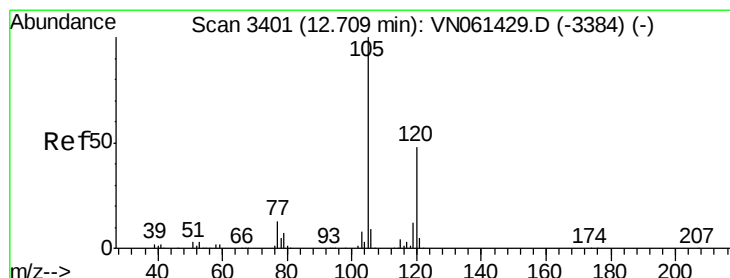
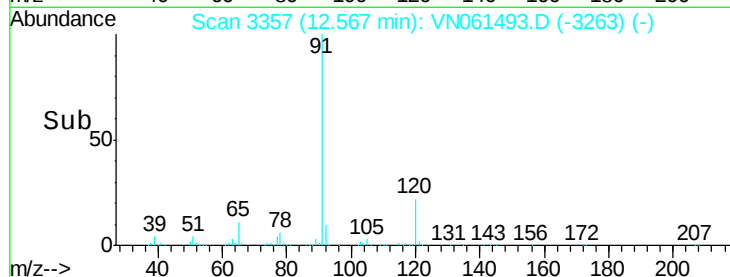
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 9.185 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061493.D

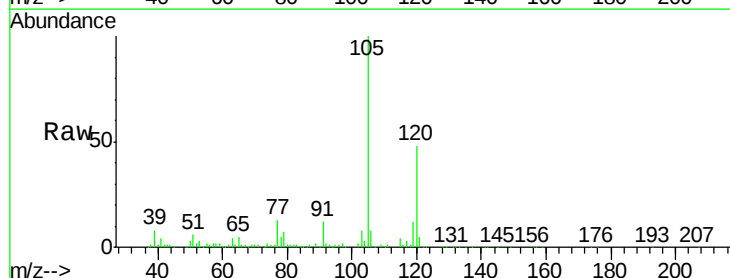
Acq: 19 May 2020 19:04

Tgt Ion: 105 Resp: 135921

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)

12.71

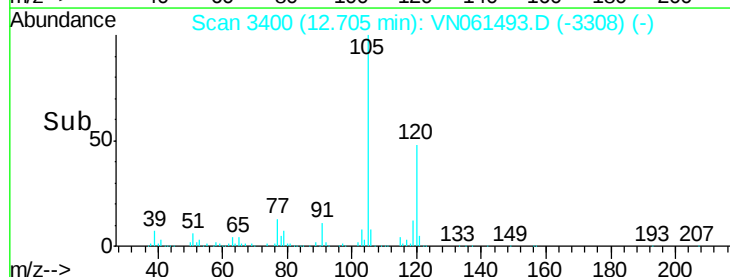
150000

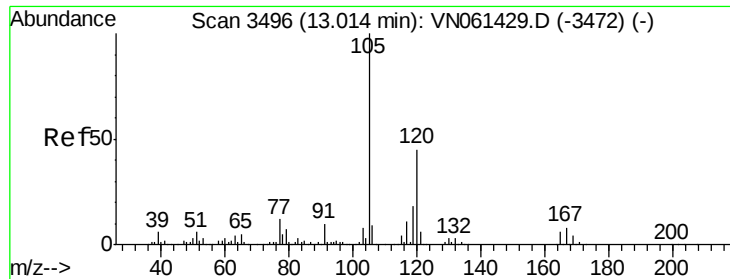
100000

50000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 58.344 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

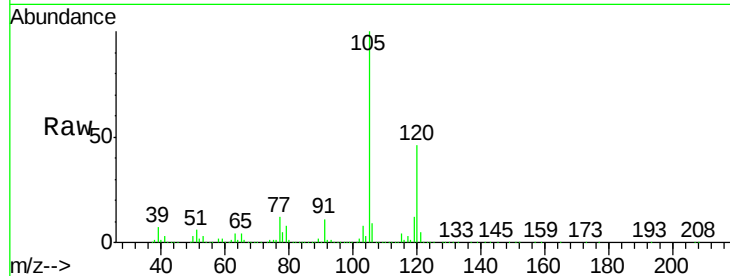
MW-3DL

Tot Ion:105 Resp: 864030

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.01

600000

500000

400000

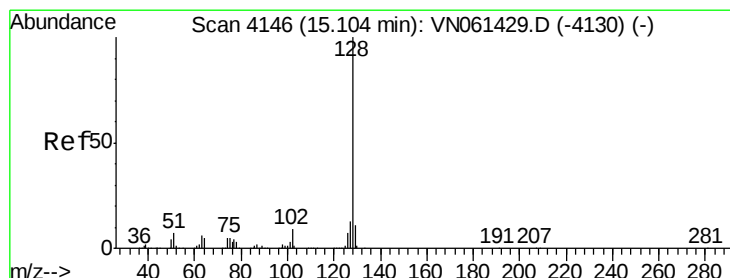
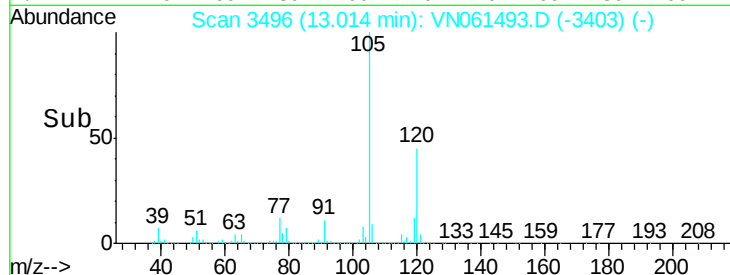
300000

200000

100000

0

Time--> 12.90 13.00 13.10



#95

Naphthalene

Concen: 15.841 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061493.D

Acq: 19 May 2020 19:04

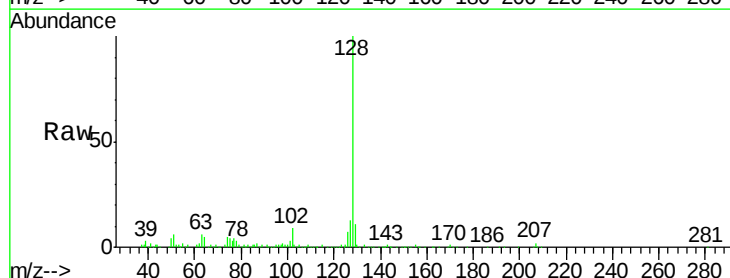
Tgt Ion:128 Resp: 188019

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 11.0 8.6 13.0



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

15.10

150000

100000

50000

0

Time--> 15.00 15.10 15.20

