

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061466.D
 Acq On : 19 May 2020 7:43
 Operator : JC/MD
 Sample : L2645-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: May 19 15:14:09 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	276180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	511946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	494486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216414	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	193879	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	7.55	113	148272	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
50) Toluene-d8	10.06	98	631580	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	244477	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

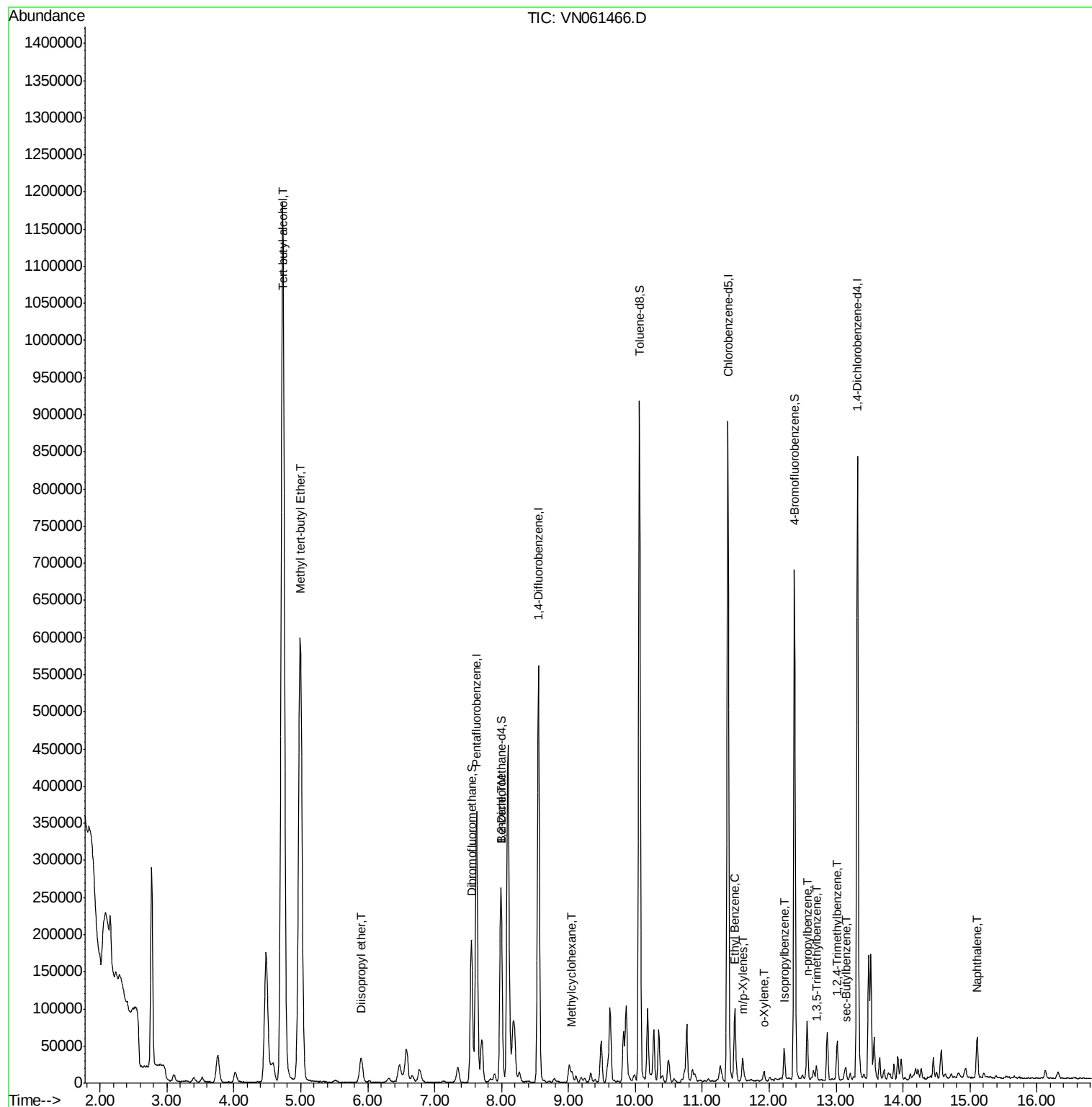
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	2437996	5133.355	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	997549	92.856	ug/l #	87
22) Diisopropyl ether	5.90	45	43534	4.205	ug/l	90
39) Methylcyclohexane	9.05	83	7440m	1.273	ug/l	
40) Benzene	8.00	78	63784	4.421	ug/l	99
67) Ethyl Benzene	11.48	91	69163	3.757	ug/l	100
68) m/p-Xylenes	11.60	106	8399	1.202	ug/l	98
69) o-Xylene	11.92	106	3552	0.525	ug/l	96
73) Isopropylbenzene	12.22	105	28907	1.664	ug/l	100
78) n-propylbenzene	12.57	91	65312	3.299	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	4328	0.304	ug/l	86
84) 1,2,4-Trimethylbenzene	13.02	105	28796	2.023	ug/l	97
85) sec-Butylbenzene	13.15	105	10782	0.654	ug/l	99
95) Naphthalene	15.11	128	47185	4.135	ug/l	99

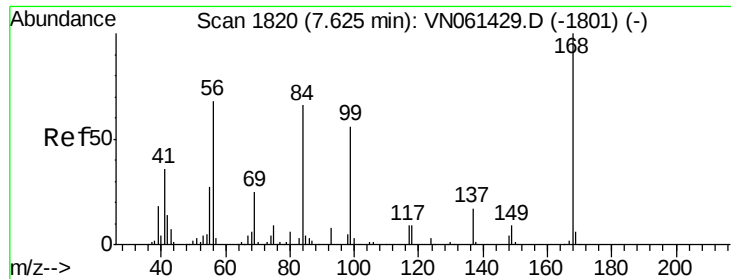
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

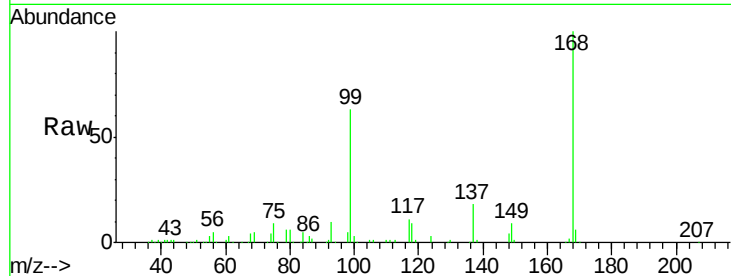
MW-4

Tot Ion:168 Resp: 276180

Ion Ratio Lower Upper

168 100

99 63.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

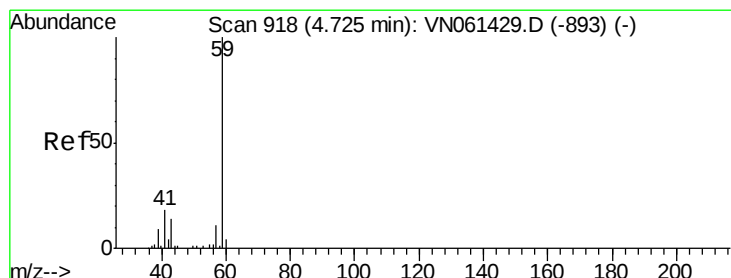
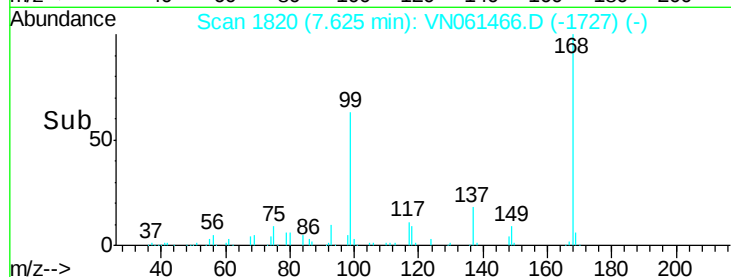
7.63

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5133.355 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.01 min

Lab File: VN061466.D

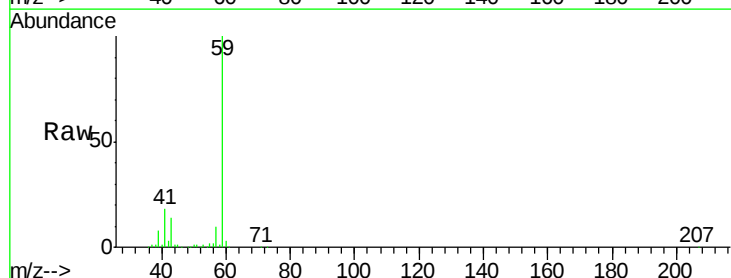
Acq: 19 May 2020 7:43

Tgt Ion: 59 Resp: 2437996

Ion Ratio Lower Upper

59 100

57 10.0 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

800000

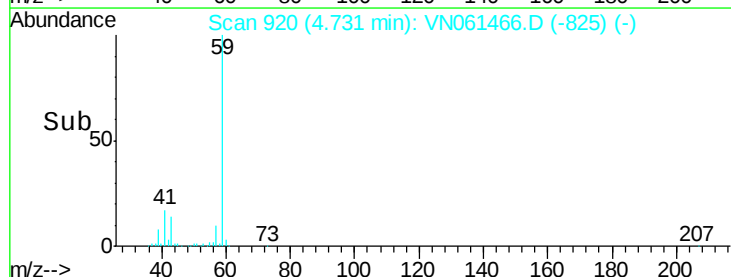
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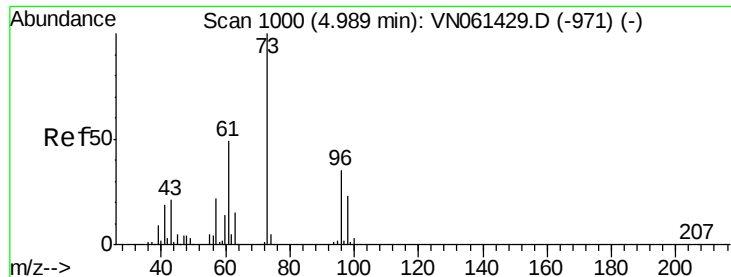
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Time-->

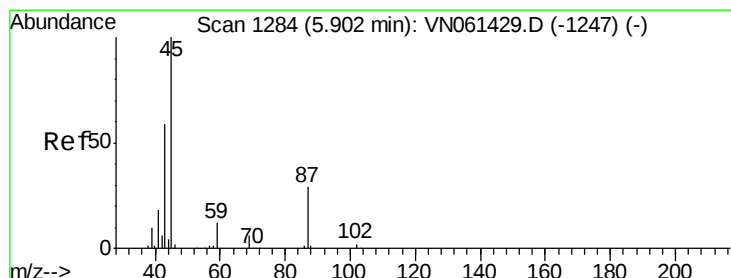
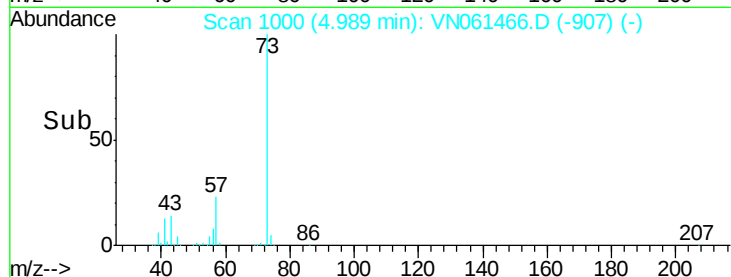
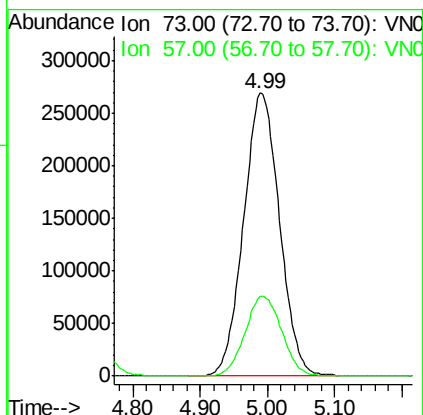
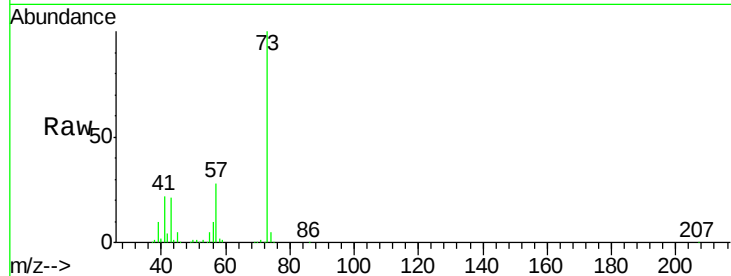




#19
Methvl tert-butvl Ether
Concen: 92.856 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

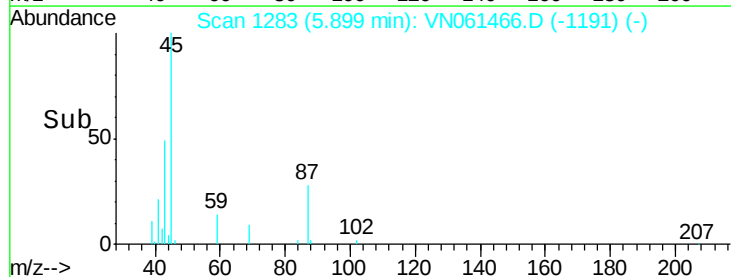
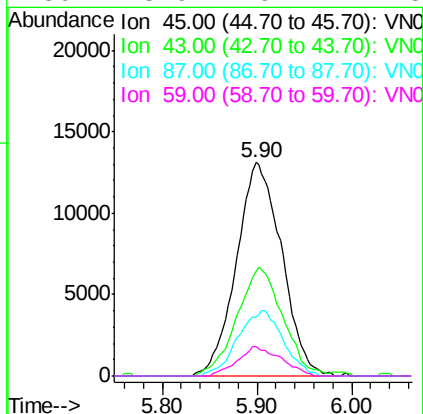
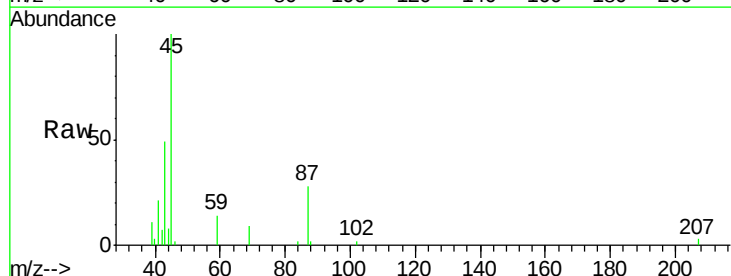
Instrument :
MSVOA_N
ClientSampled :
MW-4

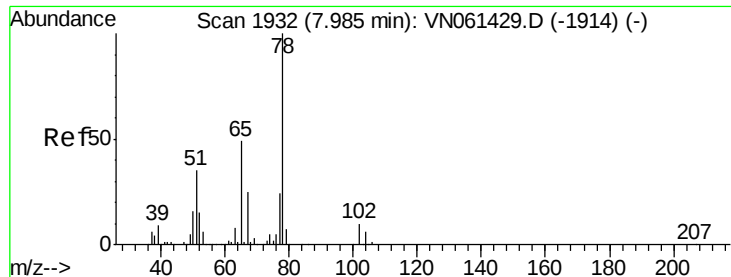
Tot Ion: 73 Resp: 997549
Ion Ratio Lower Upper
73 100
57 28.0 17.4 26.0#



#22
Diisopropyl ether
Concen: 4.205 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 45 Resp: 43534
Ion Ratio Lower Upper
45 100
43 49.4 47.9 71.9
87 27.9 24.0 36.0
59 13.9 9.7 14.5

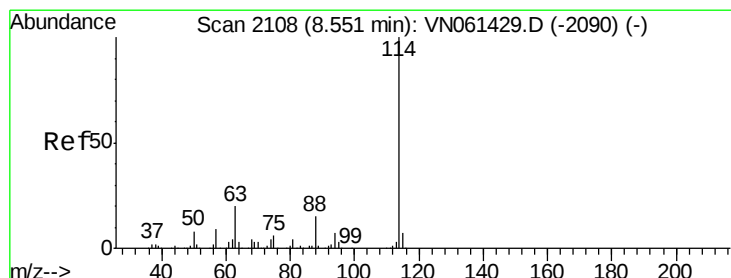
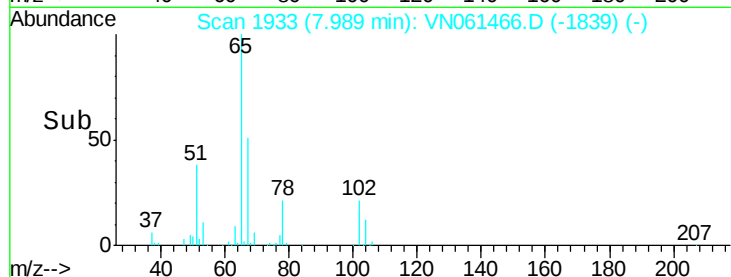
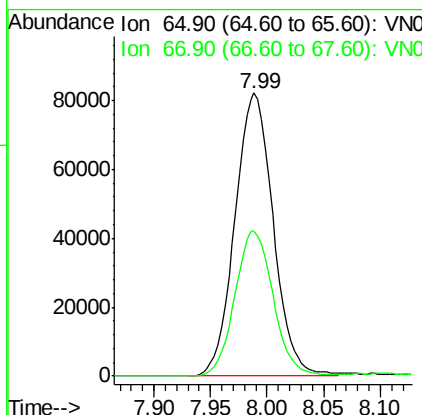
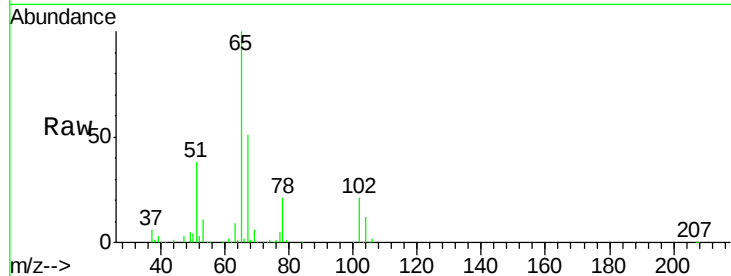




#33
 1,2-Dichloroethane-d4
 Concen: 47.037 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

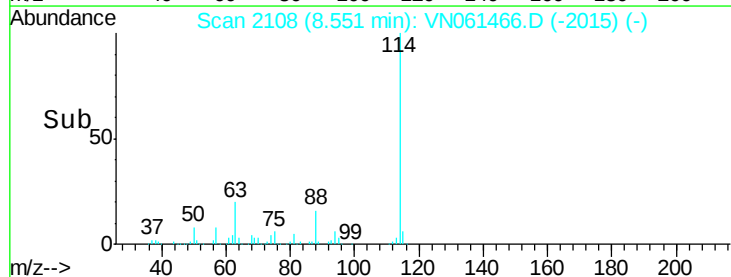
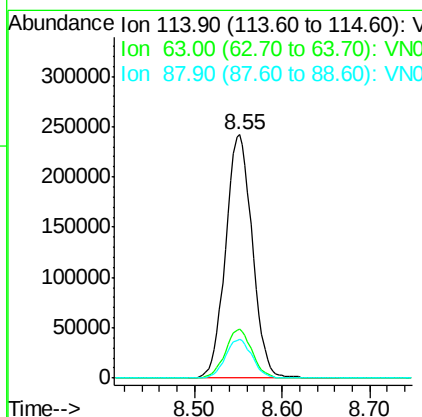
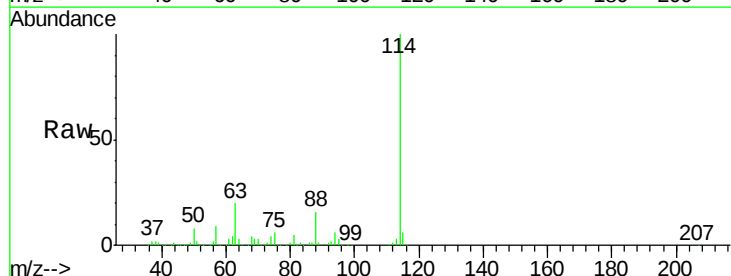
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

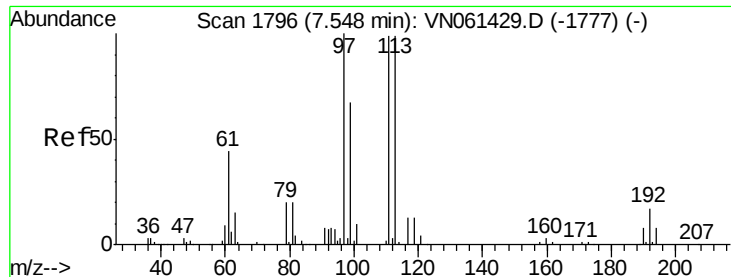
Tot Ion: 65 Resp: 193879
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion: 114 Resp: 511946
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.8 0.0 30.8

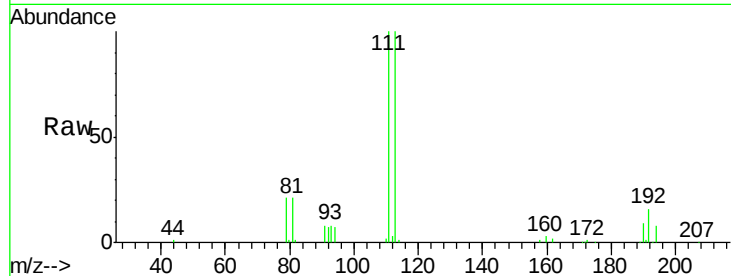




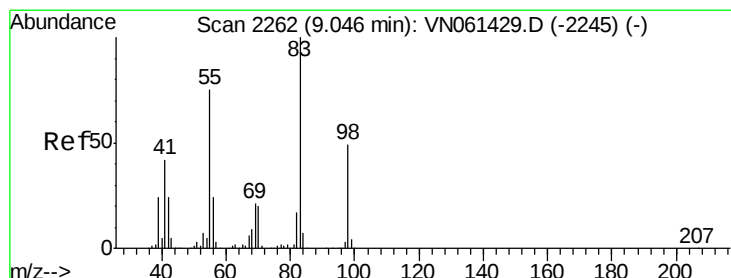
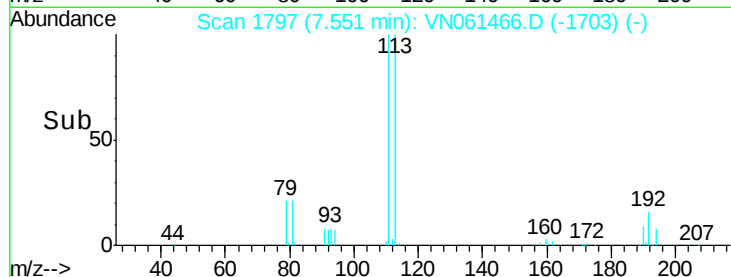
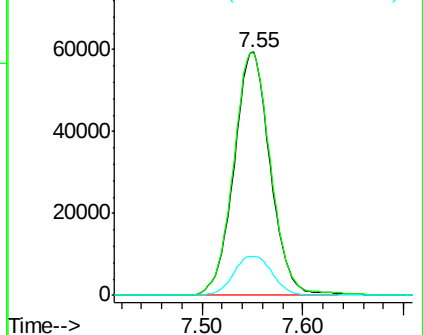
#35
Dibromofluoromethane
Concen: 55.285 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	17.1	13.2	19.8

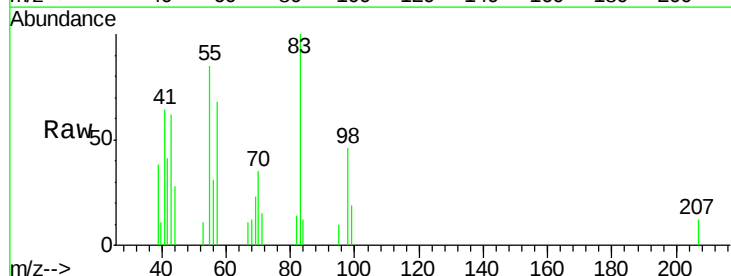


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

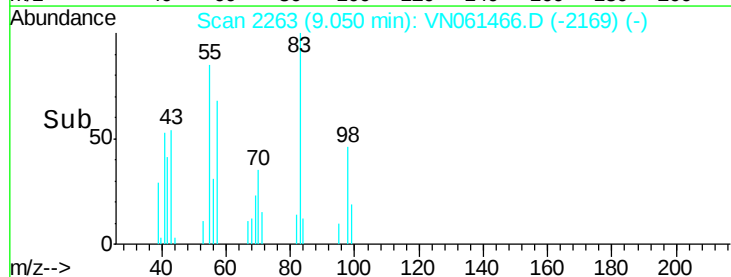
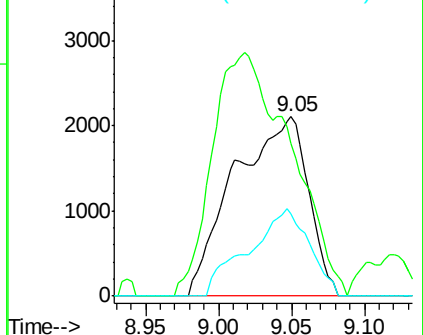


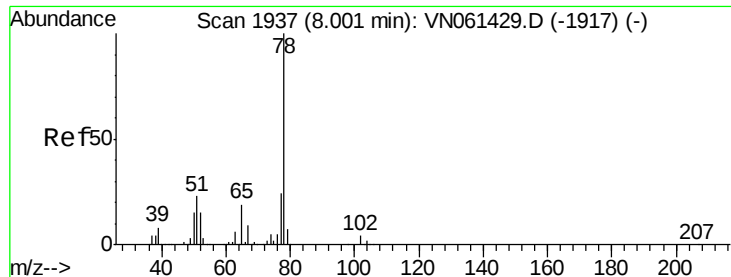
#39
Methylcyclohexane
Concen: 1.273 ug/l m
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.4	59.7	89.5
98	46.1	38.9	58.3



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





#40

Benzene

Concen: 4.421 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

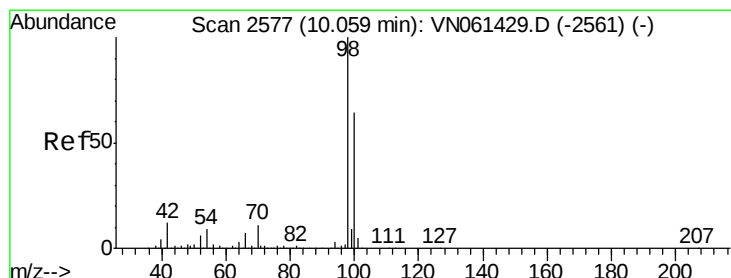
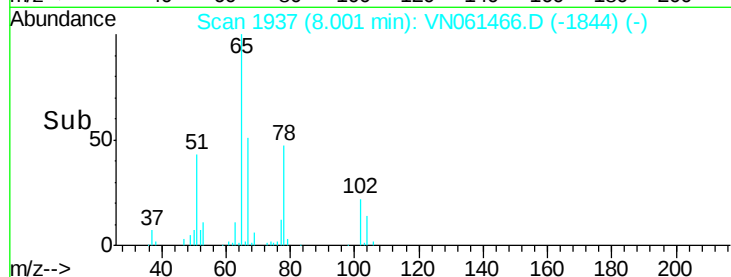
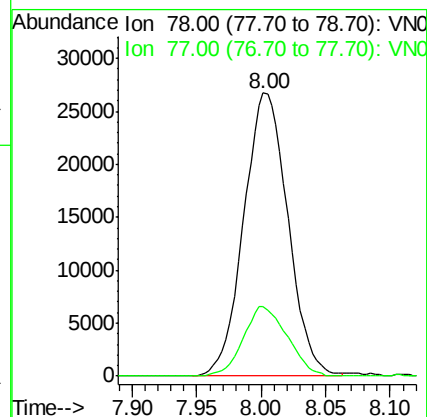
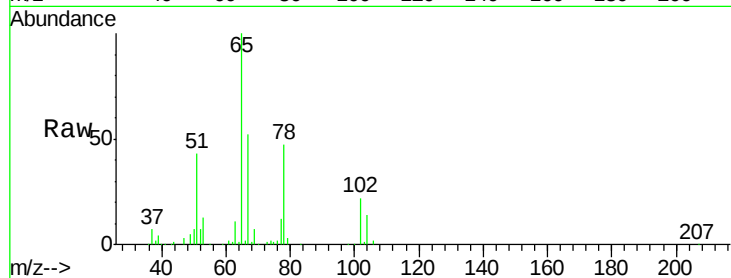
MW-4

Tot Ion: 78 Resp: 63784

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7



#50

Toluene-d8

Concen: 50.772 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061466.D

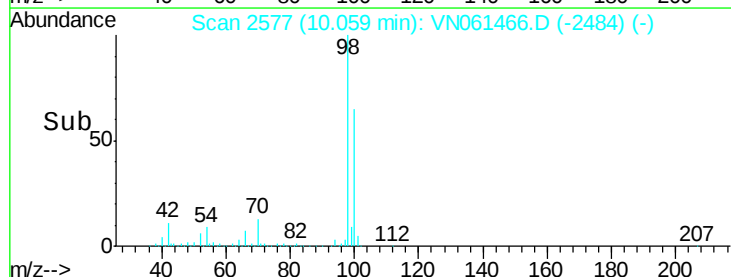
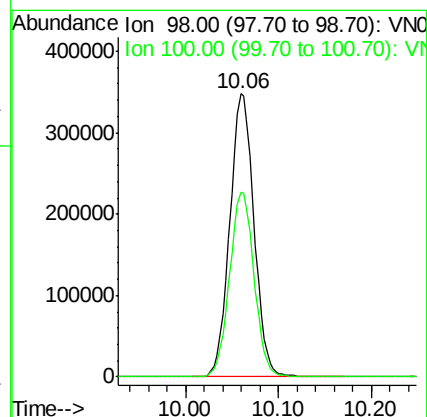
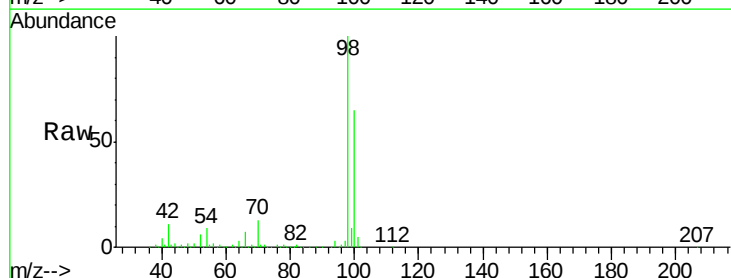
Acq: 19 May 2020 7:43

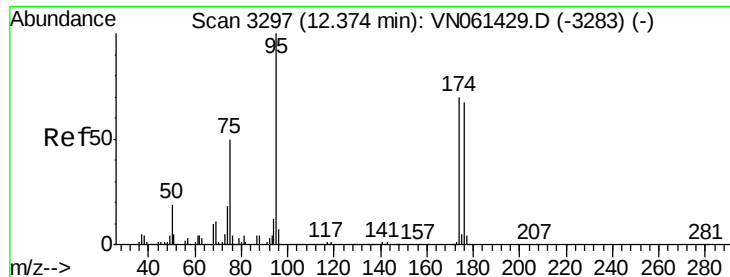
Tgt Ion: 98 Resp: 631580

Ion Ratio Lower Upper

98 100

100 65.9 51.8 77.8

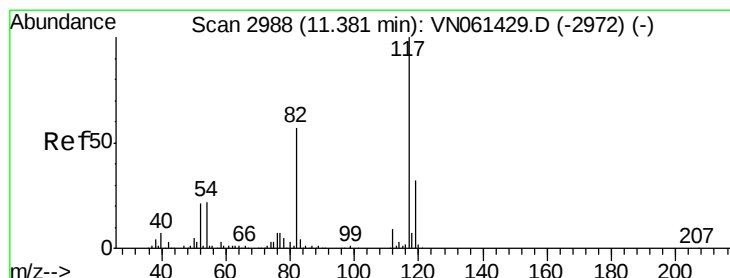
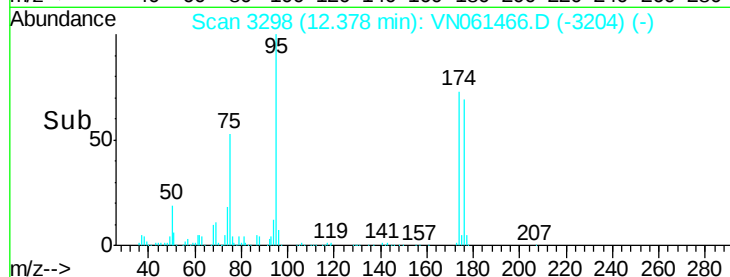
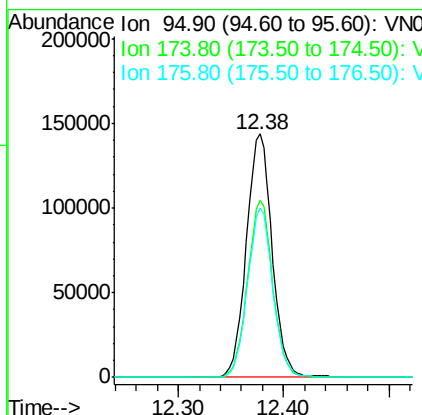
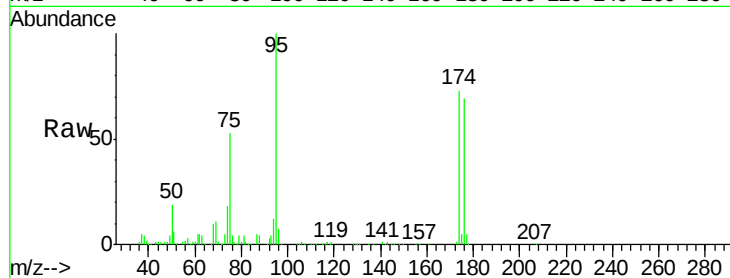




#62
4-Bromofluorobenzene
Concen: 52.604 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

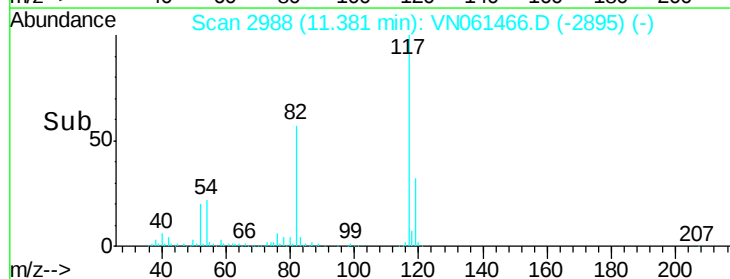
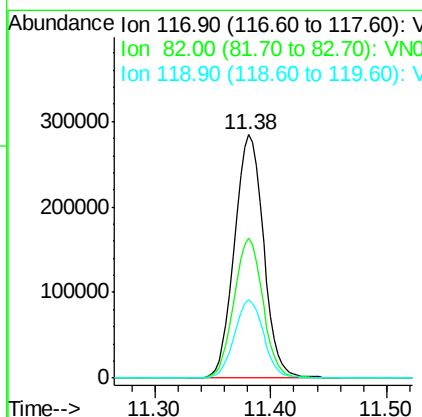
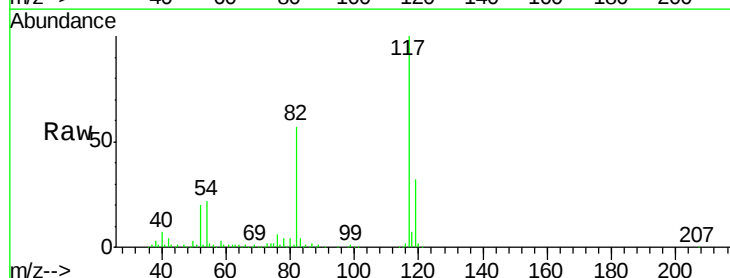
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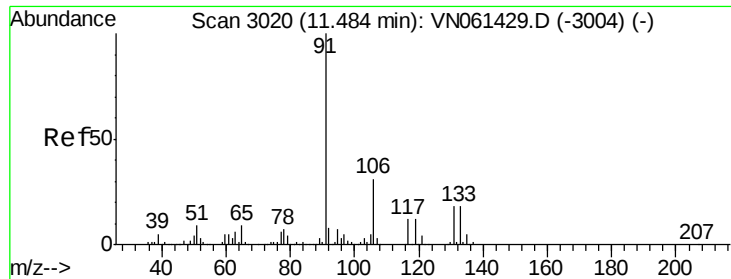
Tot Ion: 95 Resp: 244477
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.2
176 68.1 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 117 Resp: 494486
Ion Ratio Lower Upper
117 100
82 57.2 45.2 67.8
119 32.1 25.3 37.9

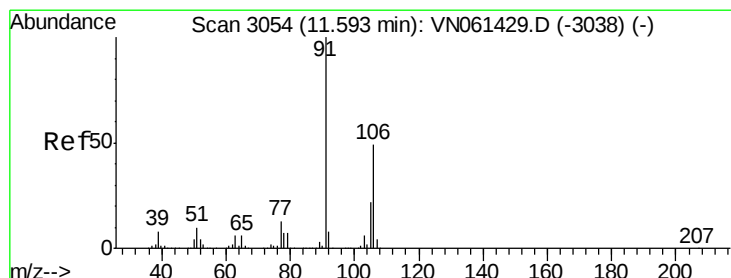
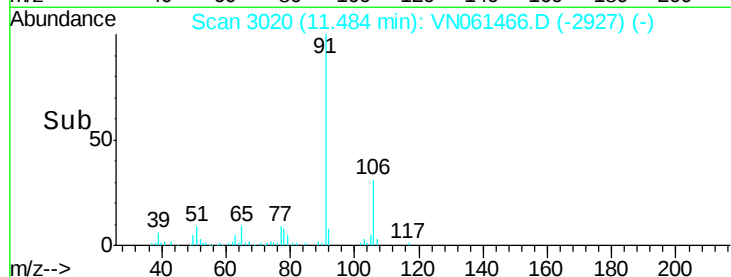
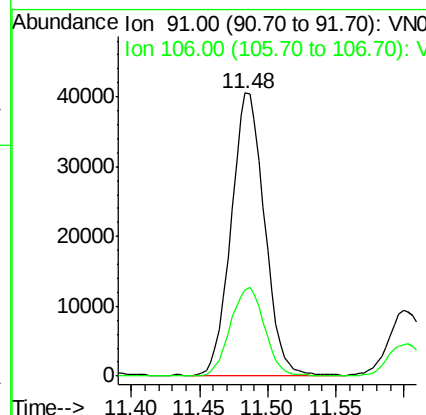
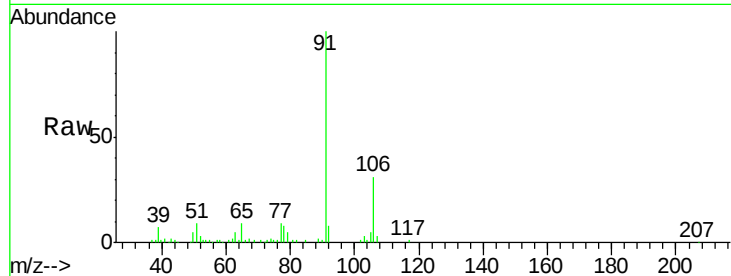




#67
Ethyl Benzene
Concen: 3.757 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

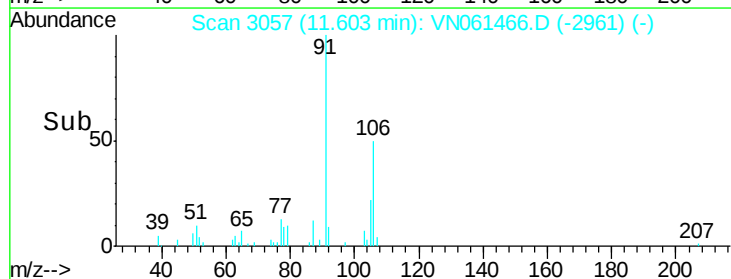
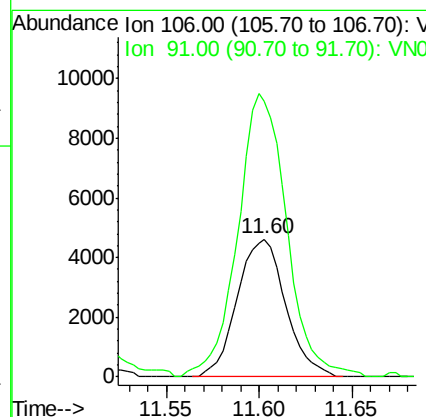
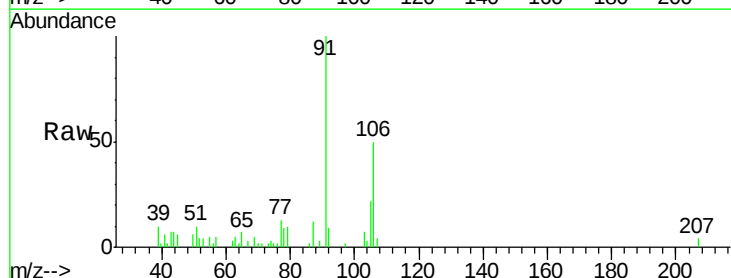
Instrument :
MSVOA_N
ClientSampled :
MW-4

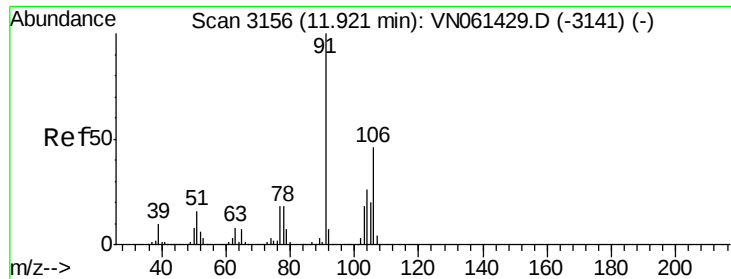
Tot Ion: 91 Resp: 69163
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 1.202 ug/l
RT: 11.60 min Scan# 3057
Delta R.T. 0.01 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion: 106 Resp: 8399
Ion Ratio Lower Upper
106 100
91 207.6 163.0 244.6

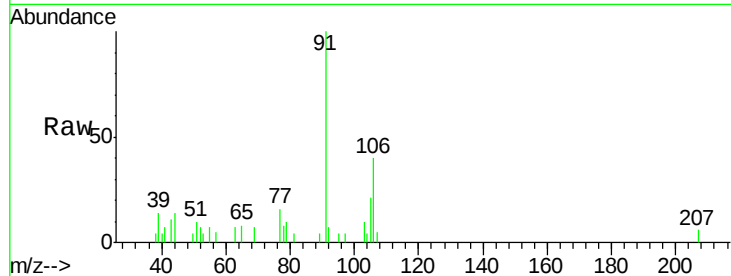




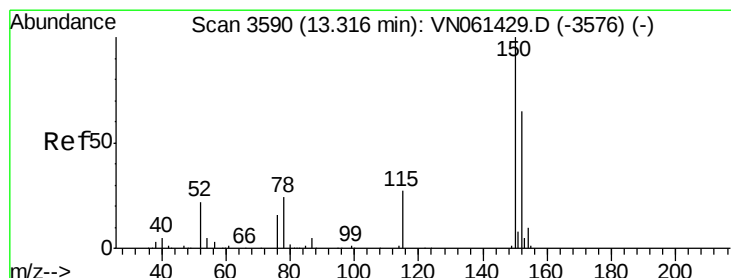
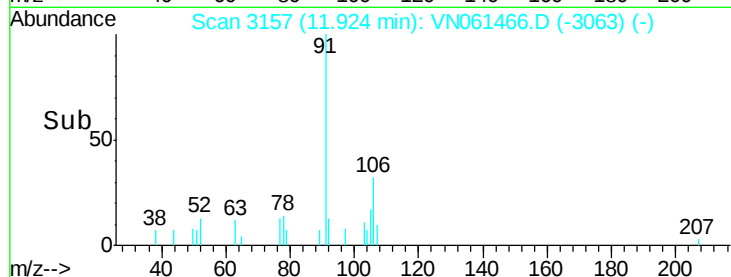
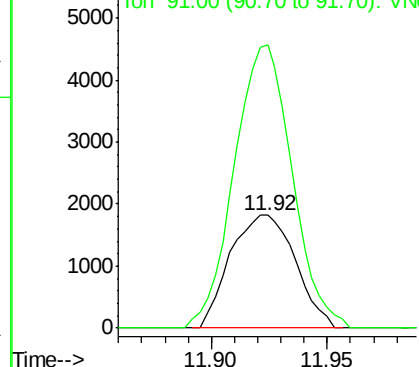
#69
o-Xylene
Concen: 0.525 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:106 Resp: 3552
Ion Ratio Lower Upper
106 100
91 222.9 107.9 323.7

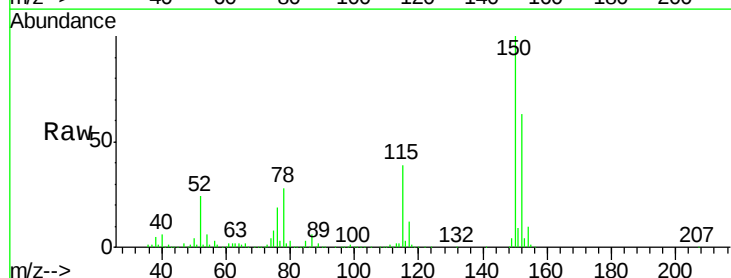


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

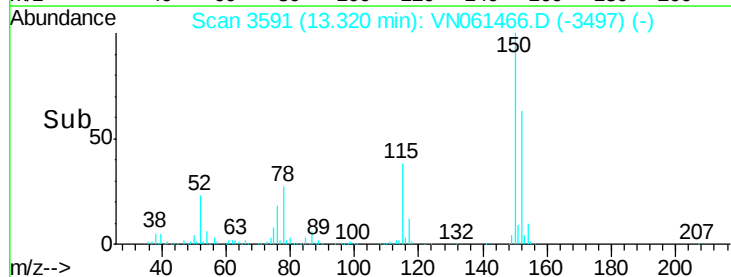
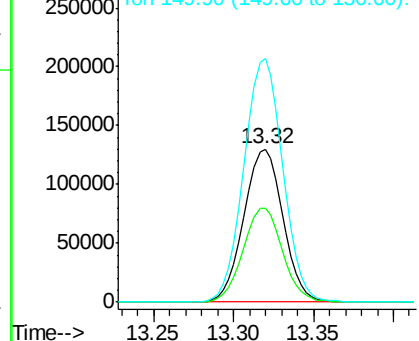


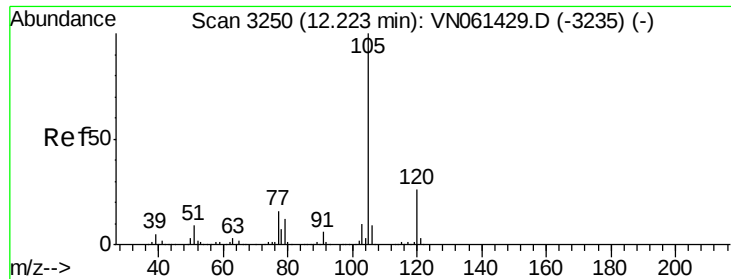
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061466.D
Acq: 19 May 2020 7:43

Tgt Ion:152 Resp: 216414
Ion Ratio Lower Upper
152 100
115 62.2 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: 1.664 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

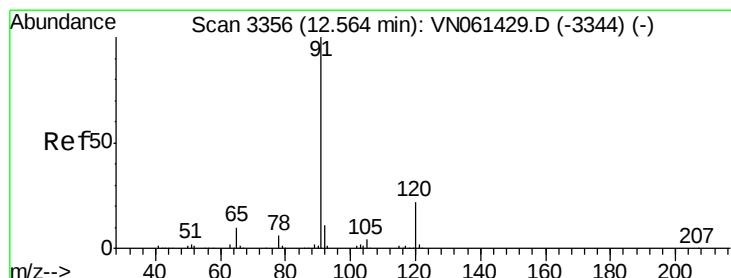
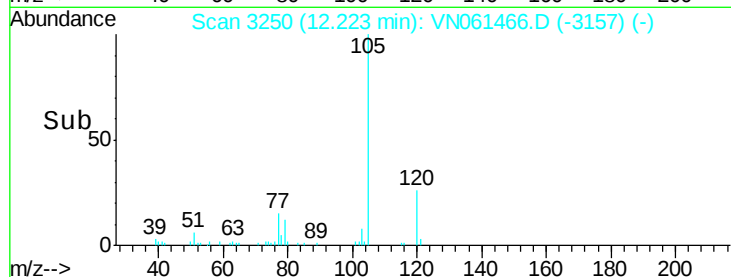
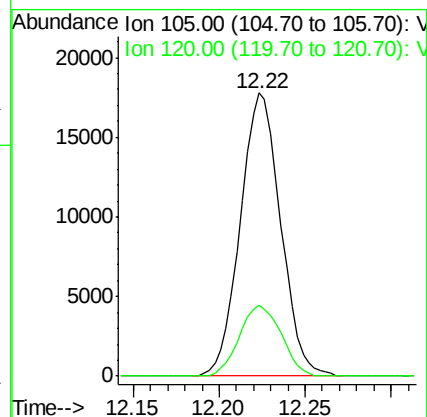
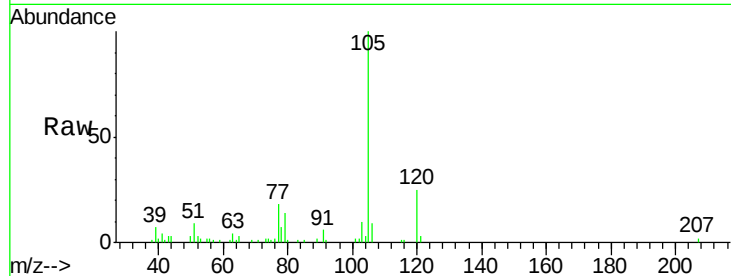
MW-4

Tot Ion:105 Resp: 28907

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#78

n-propylbenzene

Concen: 3.299 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061466.D

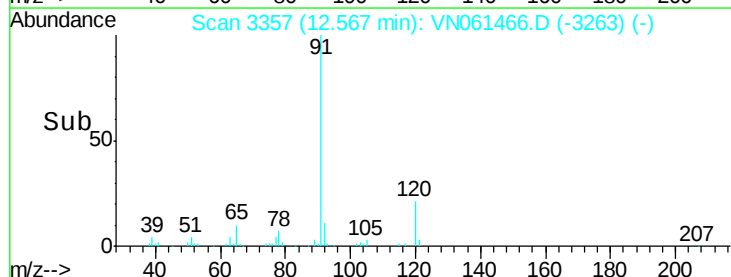
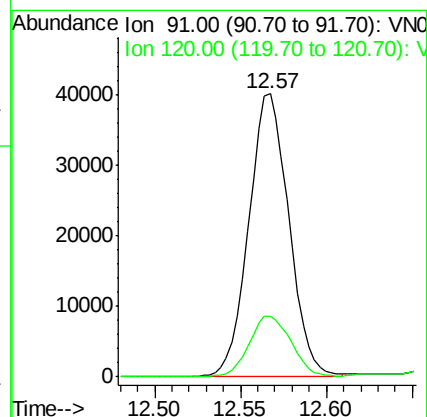
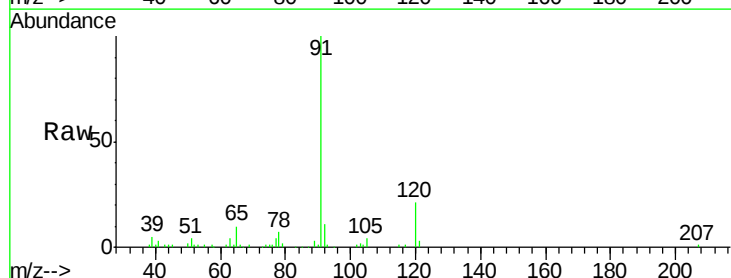
Acq: 19 May 2020 7:43

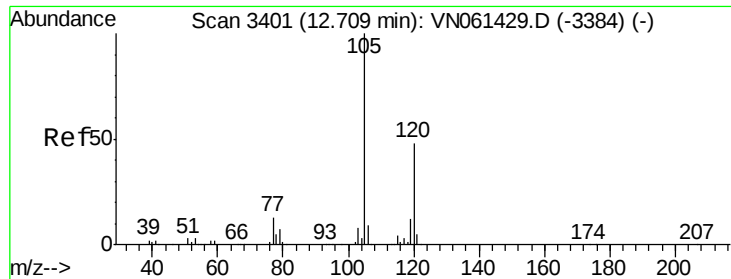
Tgt Ion: 91 Resp: 65312

Ion Ratio Lower Upper

91 100

120 22.4 11.2 33.6





#80

1,3,5-Trimethylbenzene

Concen: 0.304 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061466.D

Acq: 19 May 2020 7:43

Instrument :

MSVOA_N

ClientSampled :

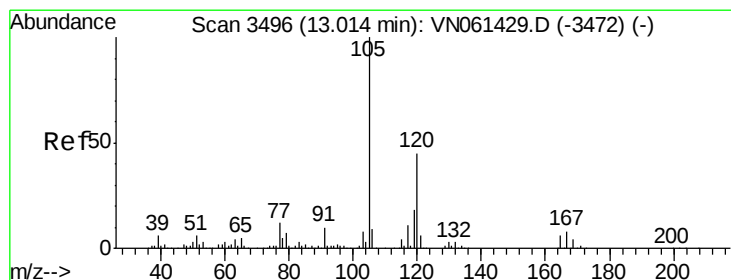
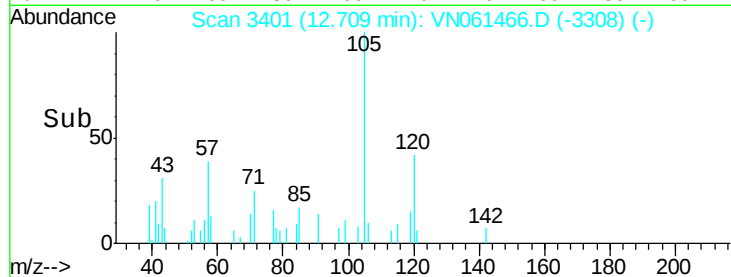
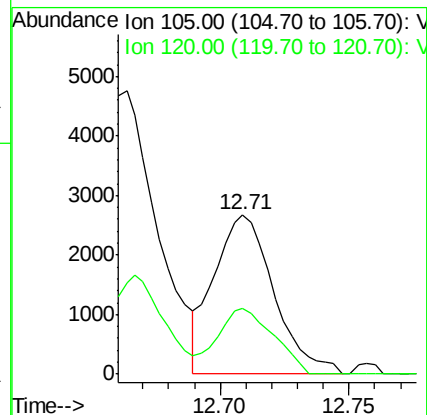
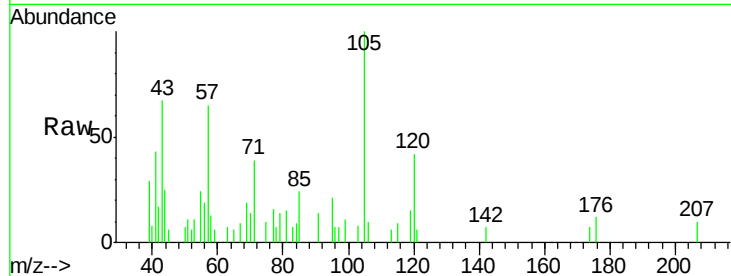
MW-4

Tot Ion:105 Resp: 4328

Ion Ratio Lower Upper

105 100

120 38.7 24.1 72.4



#84

1,2,4-Trimethylbenzene

Concen: 2.023 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN061466.D

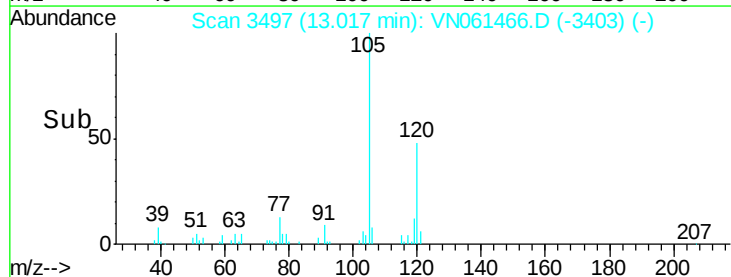
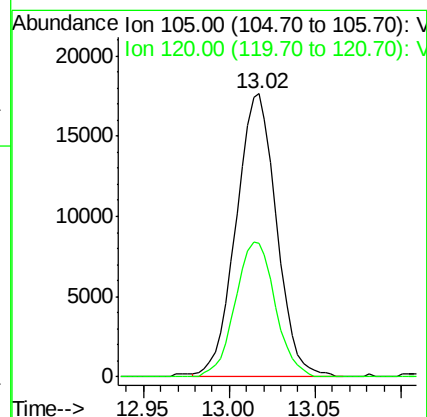
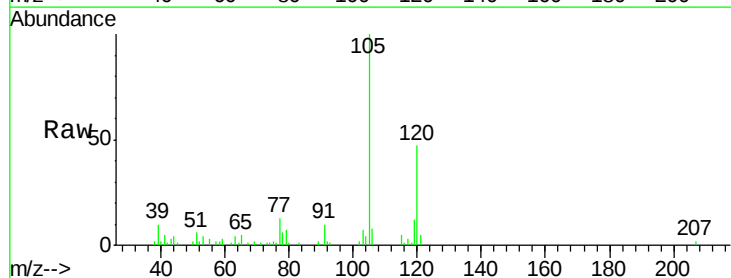
Acq: 19 May 2020 7:43

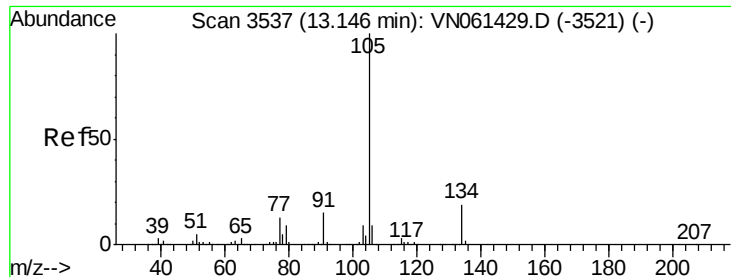
Tgt Ion:105 Resp: 28796

Ion Ratio Lower Upper

105 100

120 47.0 22.4 67.3

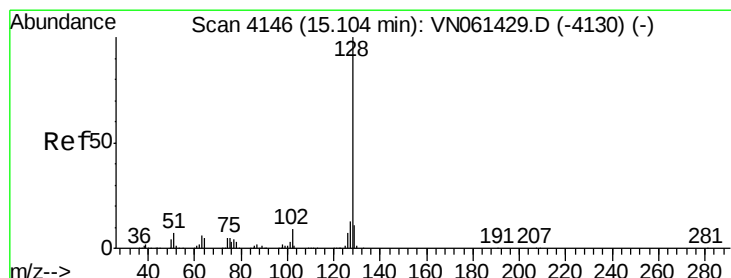
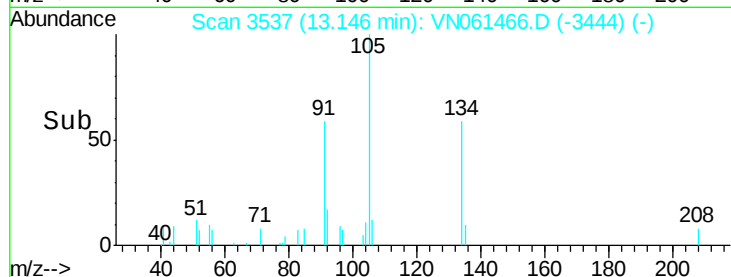
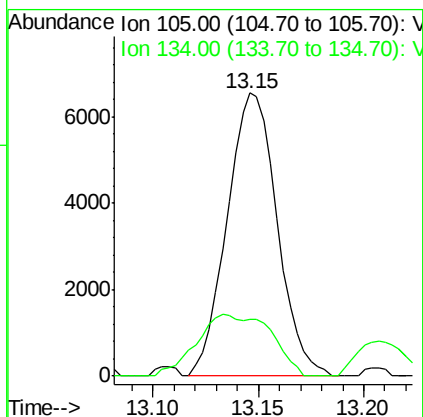
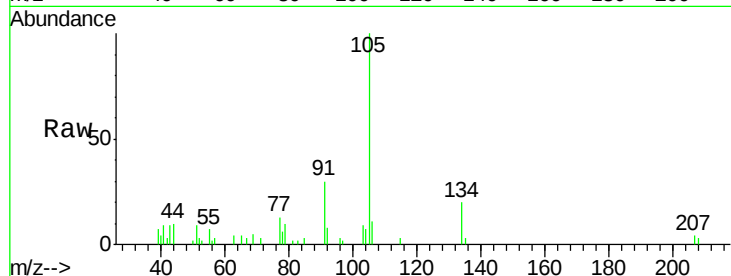




#85
 sec-Butylbenzene
 Concen: 0.654 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tot Ion:105 Resp: 10782
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.5



#95
 Naphthalene
 Concen: 4.135 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN061466.D
 Acq: 19 May 2020 7:43

Tgt Ion:128 Resp: 47185
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.1 15.1
 129 11.4 8.6 13.0

