

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063121.D
 Acq On : 25 Aug 2020 19:04
 Operator : JC/MD
 Sample : L3792-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Quant Time: Aug 26 07:07:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	192453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	339381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	332772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118511	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.55	113	99381	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
50) Toluene-d8	10.06	98	421631	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	158049	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

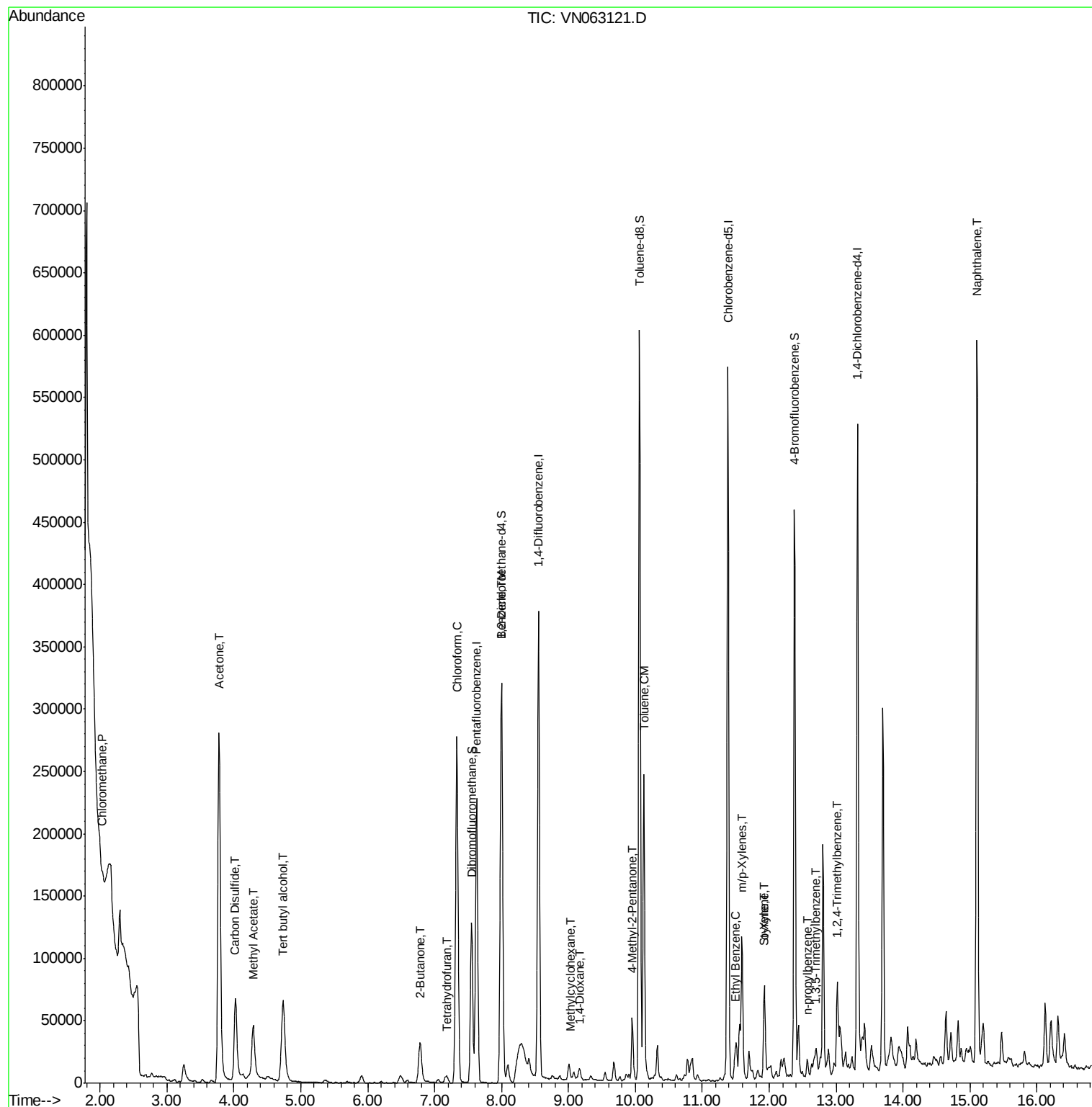
					Qvalue	
3) Chloromethane	2.04	50	5574	2.112	ug/l	93
11) Tert butyl alcohol	4.73	59	130340	403.425	ug/l	99
16) Acetone	3.78	43	496616	705.345	ug/l	98
17) Carbon Disulfide	4.01	76	5562	1.300	ug/l	97
18) Methyl Acetate	4.29	43	96747	42.681	ug/l	99
25) 2-Butanone	6.79	43	30172	24.916	ug/l	96
29) Tetrahydrofuran	7.17	42	3447	4.410	ug/l #	86
30) Chloroform	7.33	83	302204	82.153	ug/l	100
39) Methylcyclohexane	9.04	83	790	1.752	ug/l #	69
40) Benzene	8.00	78	236822	24.966	ug/l	100
49) 1,4-Dioxane	9.17	88	4999	117.126	ug/l	88
51) 4-Methyl-2-Pentanone	9.95	43	35572	12.121	ug/l	98
52) Toluene	10.13	92	108937	19.038	ug/l	99
67) Ethyl Benzene	11.49	91	24775	2.194	ug/l #	88
68) m/p-Xylenes	11.59	106	36164	8.616	ug/l	98
69) o-Xylene	11.92	106	17781	4.412	ug/l	93
70) Styrene	11.94	104	14728	3.694	ug/l #	83
78) n-propylbenzene	12.57	91	6536	0.576	ug/l #	64
80) 1,3,5-Trimethylbenzene	12.71	105	5840	0.709	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	42910	5.348	ug/l	95
95) Naphthalene	15.11	128	503568	82.604	ug/l	99

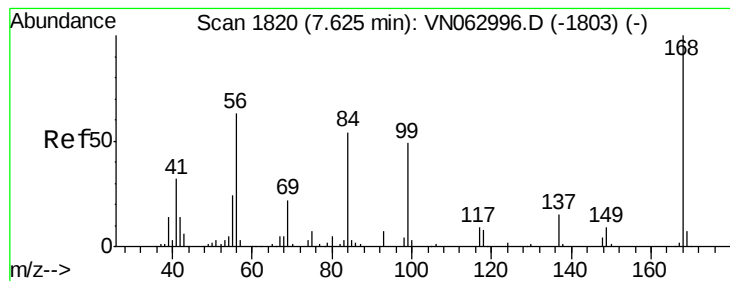
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

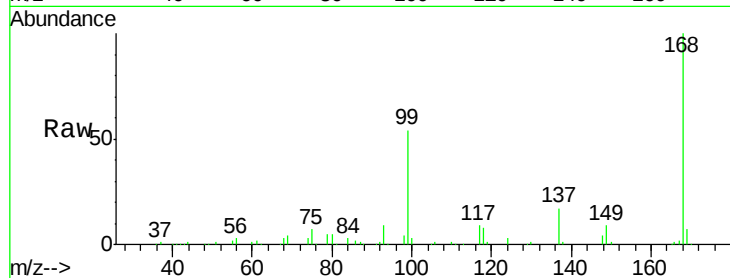
COMP-2

Tot Ion:168 Resp: 192453

Ion Ratio Lower Upper

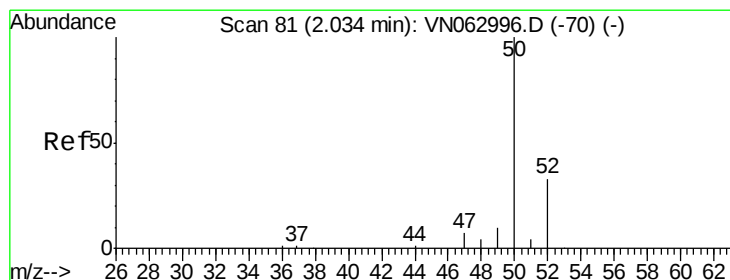
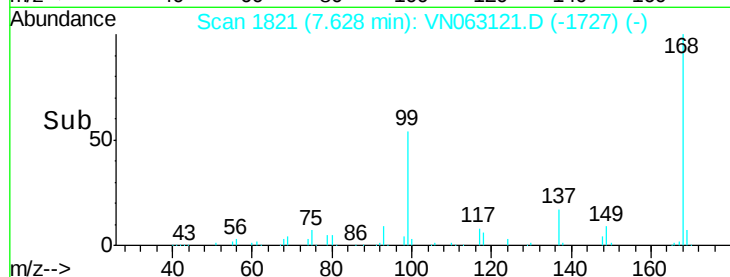
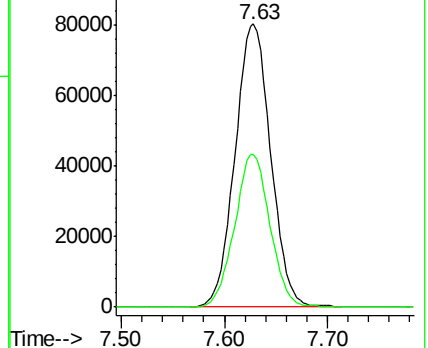
168 100

99 54.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 2.112 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063121.D

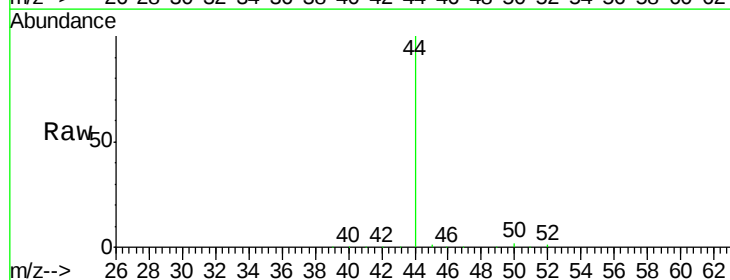
Acq: 25 Aug 2020 19:04

Tgt Ion: 50 Resp: 5574

Ion Ratio Lower Upper

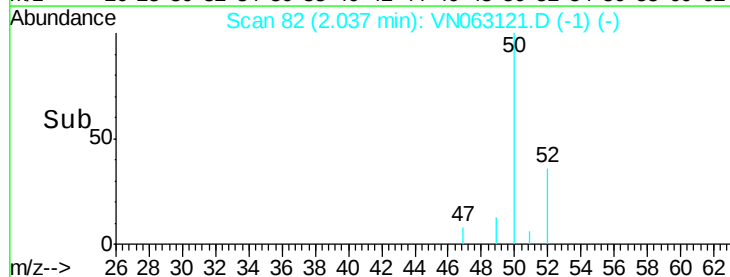
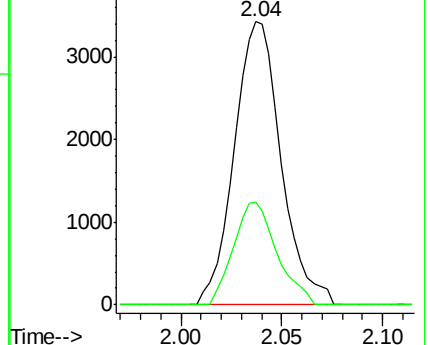
50 100

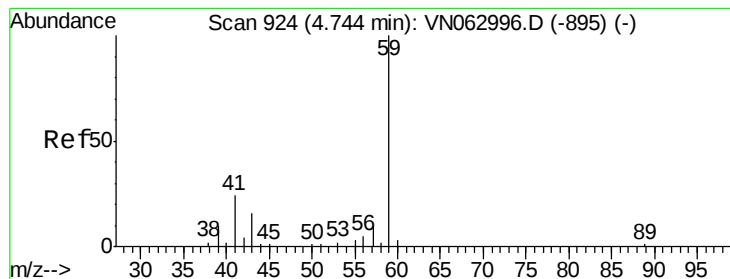
52 36.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



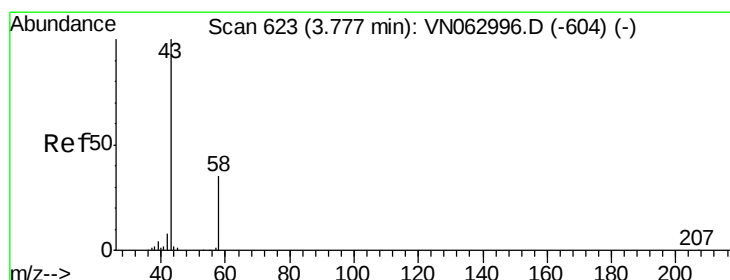
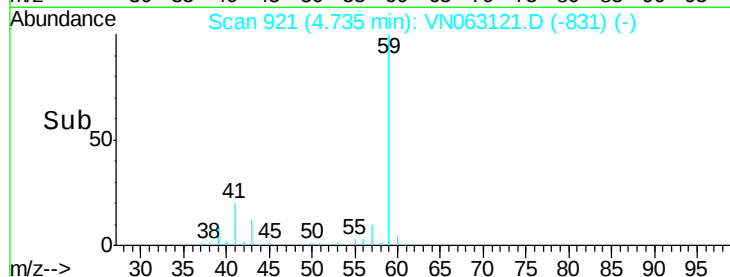
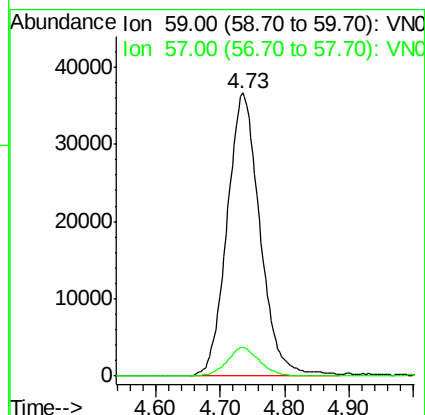
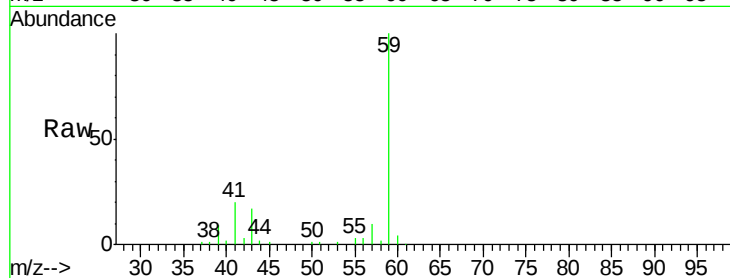


#11

Tert butyl alcohol
 Concen: 403.425 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063121.D
 Acq: 25 Aug 2020 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-2

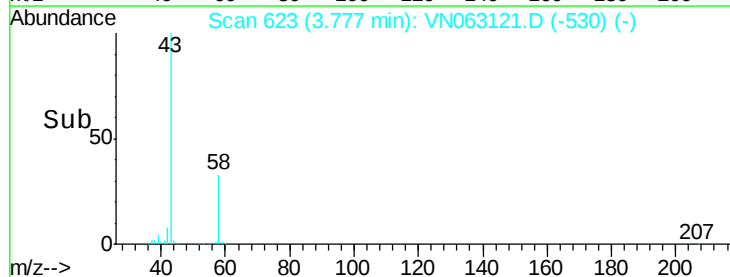
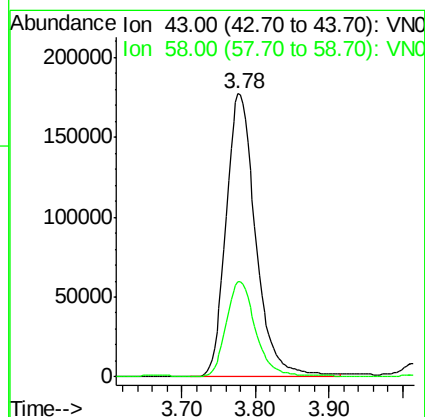
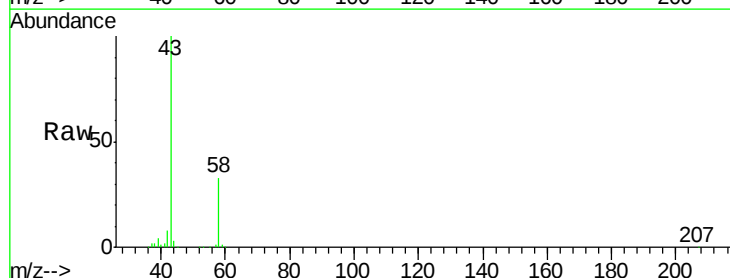
Tot Ion: 59 Resp: 130340
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

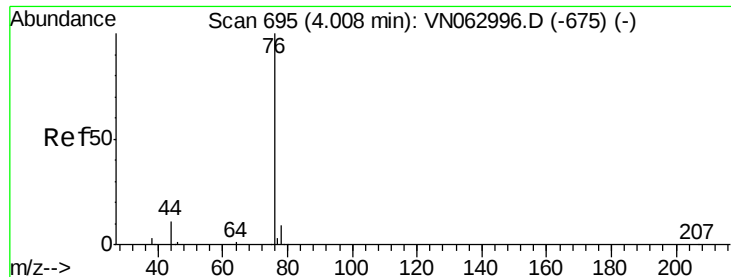


#16

Acetone
 Concen: 705.345 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN063121.D
 Acq: 25 Aug 2020 19:04

Tgt Ion: 43 Resp: 496616
 Ion Ratio Lower Upper
 43 100
 58 33.4 27.8 41.6

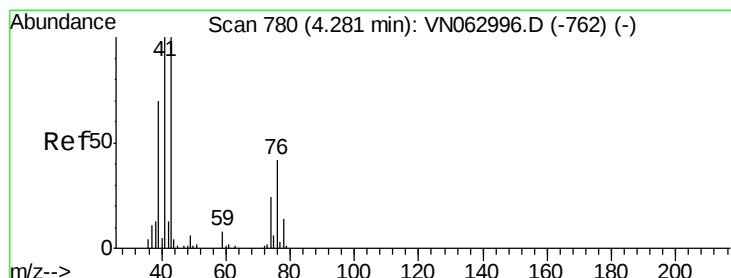
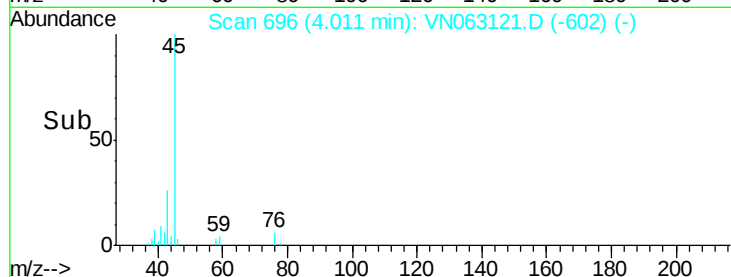
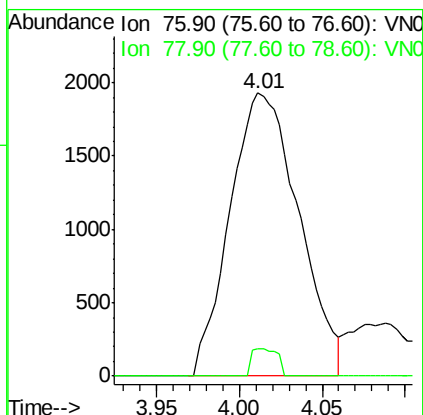
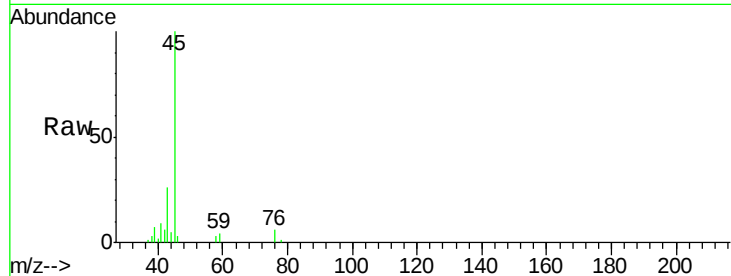




#17
Carbon Disulfide
Concen: 1.300 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

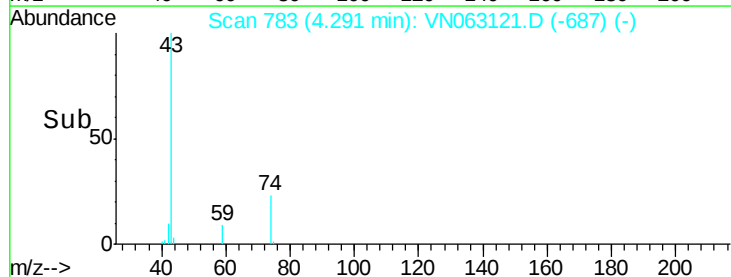
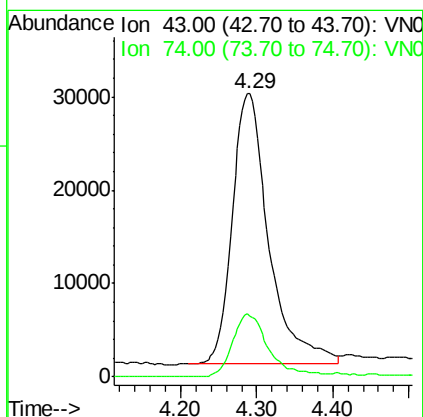
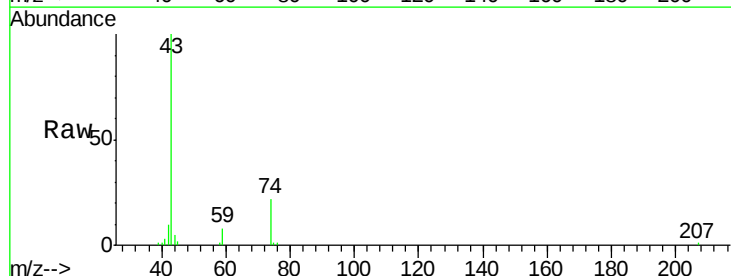
Instrument :
MSVOA_N
ClientSampled :
COMP-2

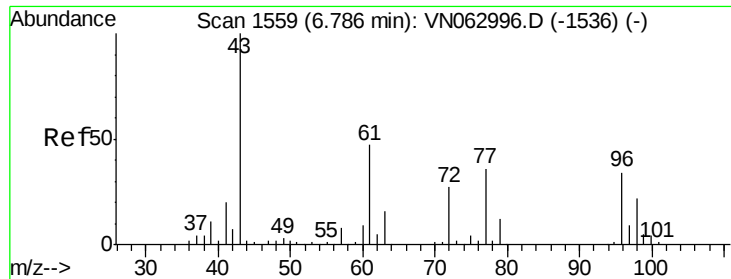
Tot Ion: 76 Resp: 5562
Ion Ratio Lower Upper
76 100
78 9.8 6.9 10.3



#18
Methyl Acetate
Concen: 42.681 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 43 Resp: 96747
Ion Ratio Lower Upper
43 100
74 22.7 18.6 28.0

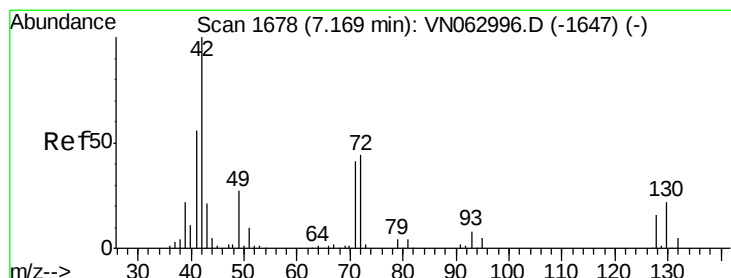
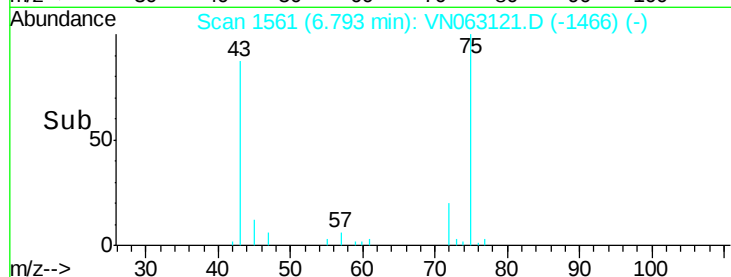
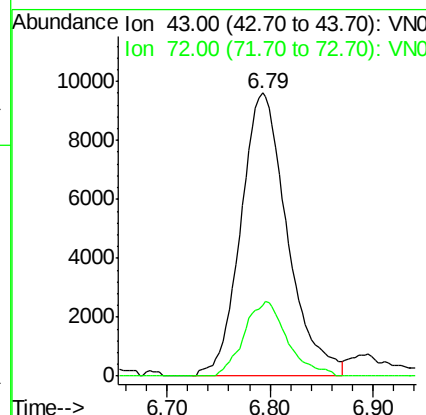
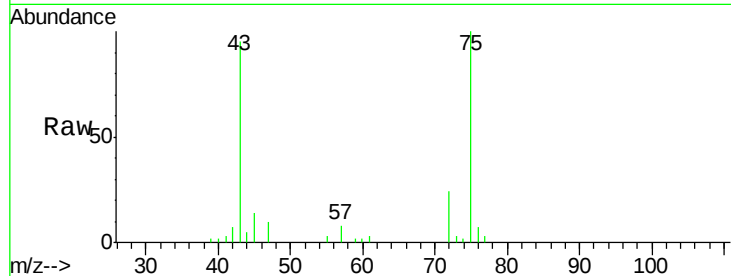




#25
2-Butanone
Concen: 24.916 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

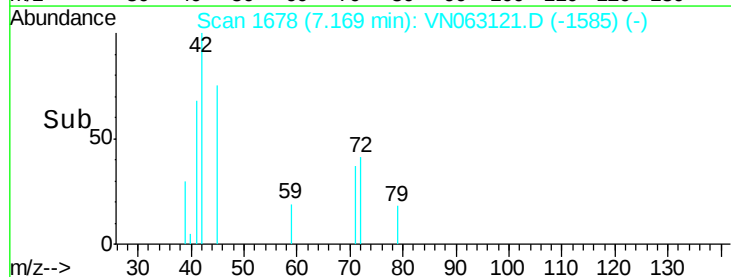
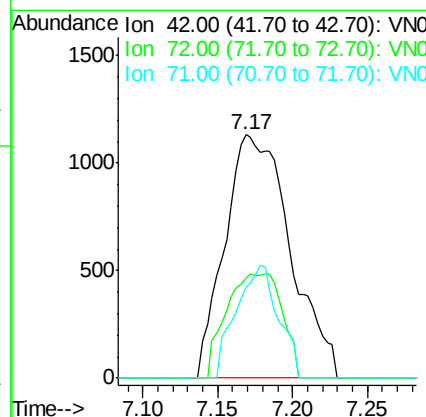
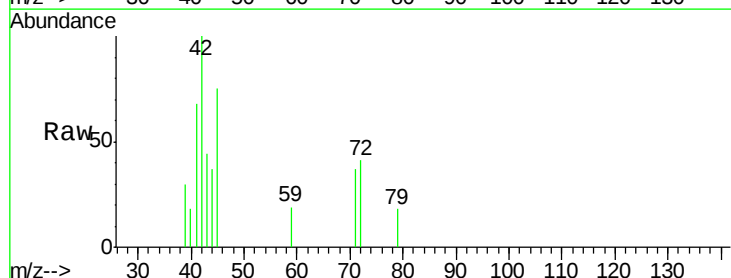
Instrument :
MSVOA_N
ClientSampled :
COMP-2

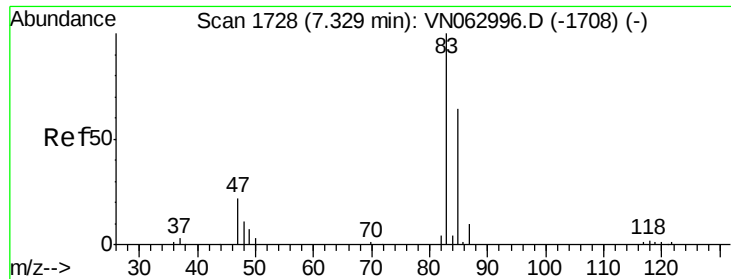
Tot Ion: 43 Resp: 30172
Ion Ratio Lower Upper
43 100
72 25.3 21.8 32.6



#29
Tetrahydrofuran
Concen: 4.410 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 42 Resp: 3447
Ion Ratio Lower Upper
42 100
72 36.5 34.6 52.0
71 29.9 32.3 48.5#

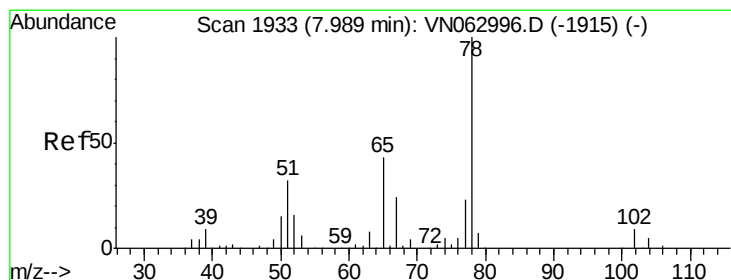
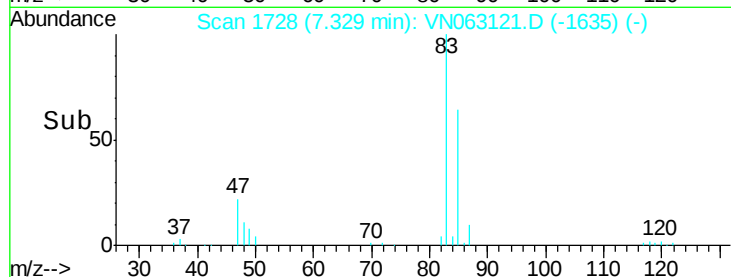
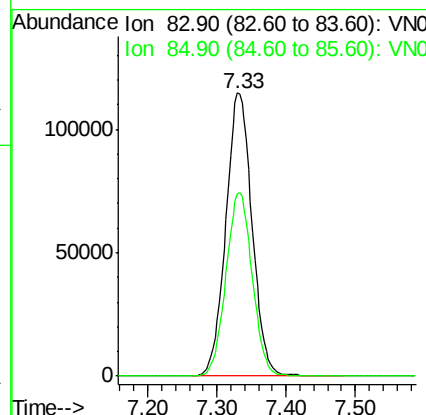
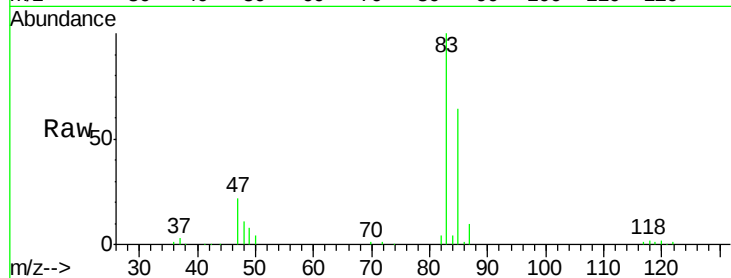




#30
Chloroform
Concen: 82.153 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

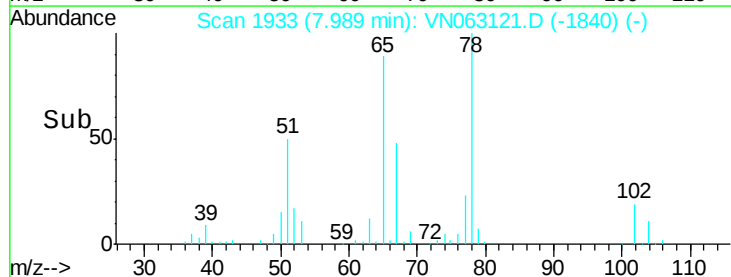
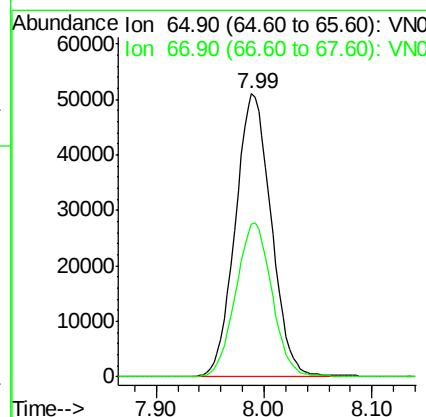
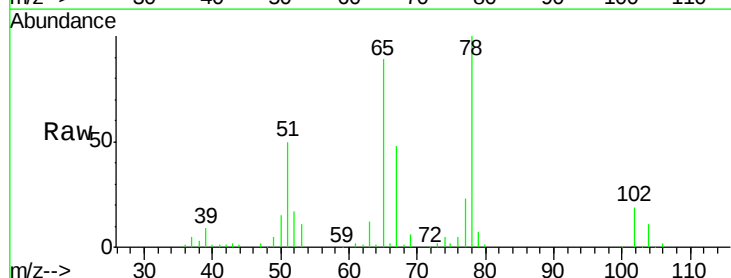
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

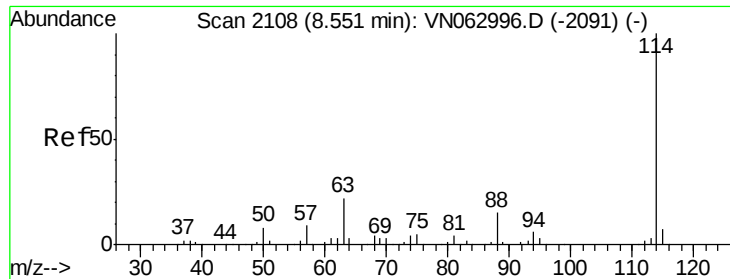
Tot Ion: 83 Resp: 302204
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 51.957 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 65 Resp: 118511
Ion Ratio Lower Upper
65 100
67 54.8 0.0 112.0

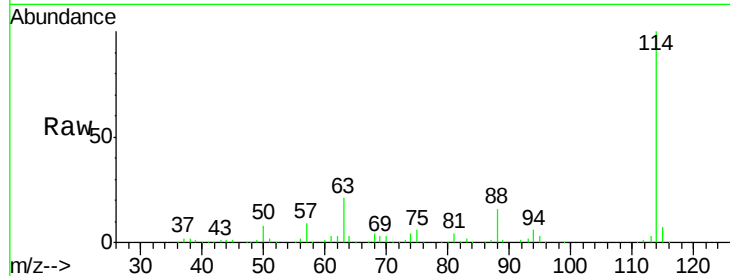




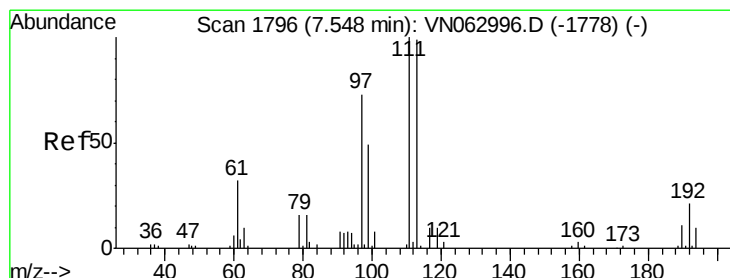
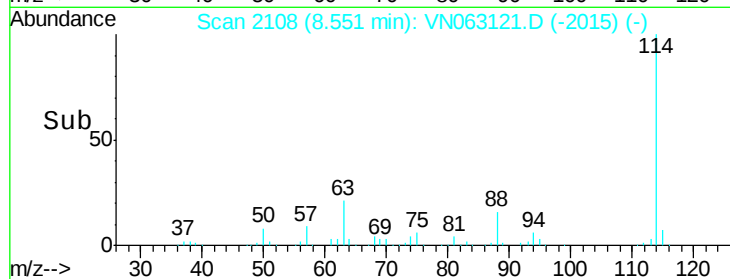
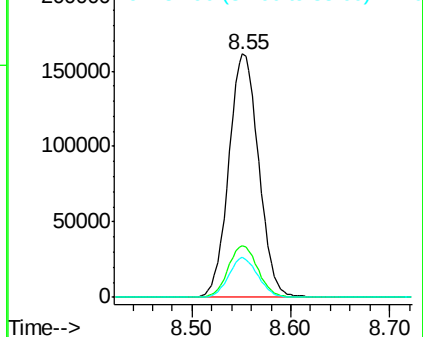
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063121.D
 Acq: 25 Aug 2020 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.3	0.0	30.6

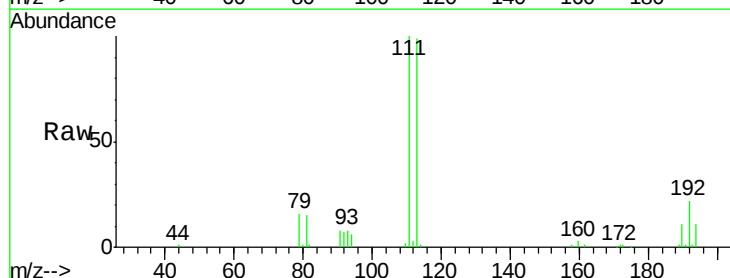


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

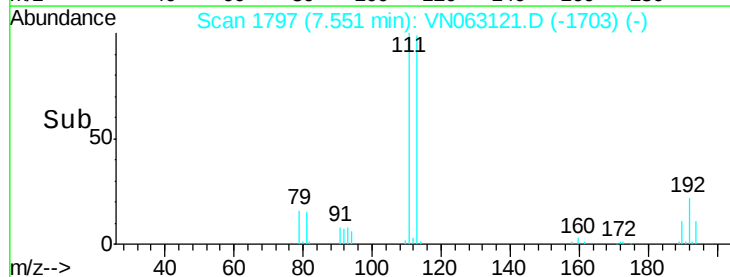
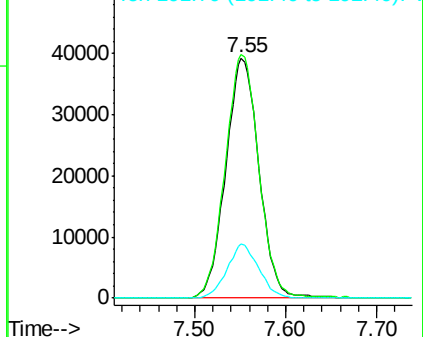


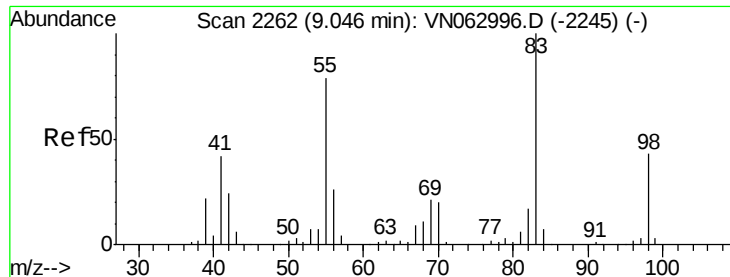
#35
 Dibromofluoromethane
 Concen: 44.940 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063121.D
 Acq: 25 Aug 2020 19:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	21.4	17.5	26.3



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

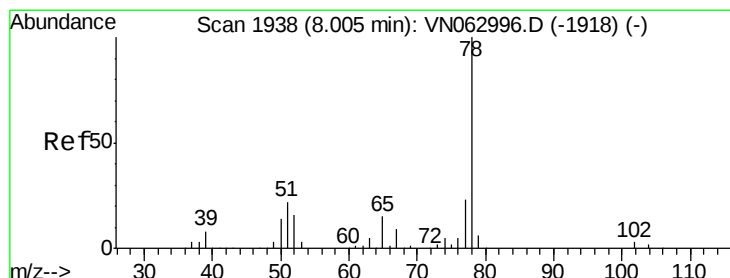
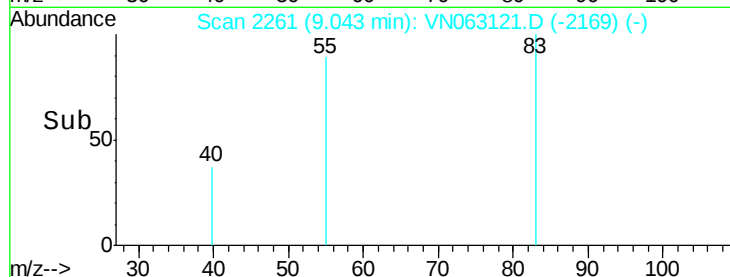
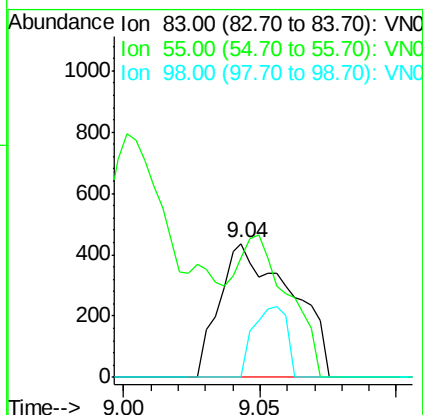
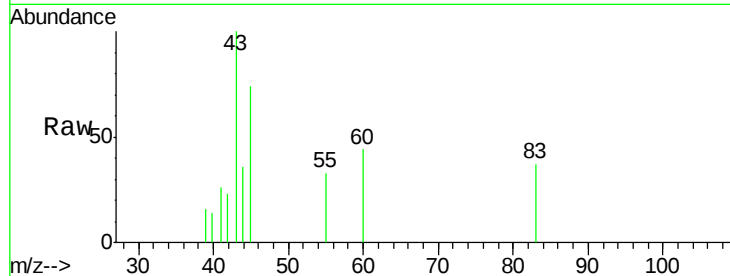




#39
Methvlcvclohexane
Concen: 1.752 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

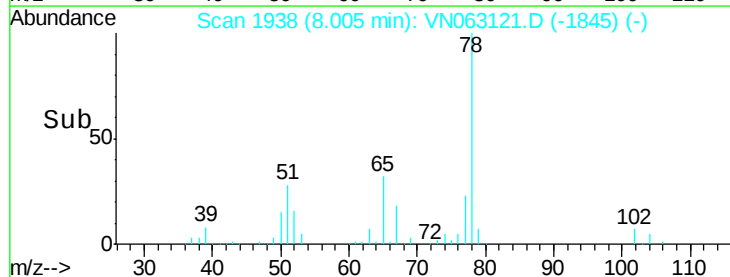
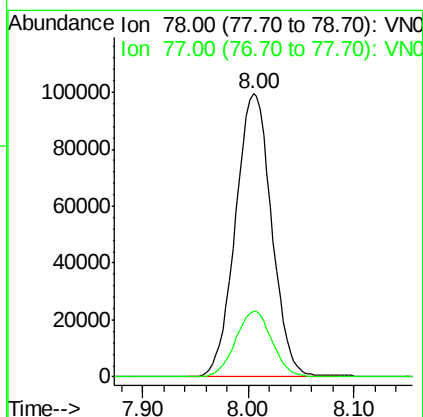
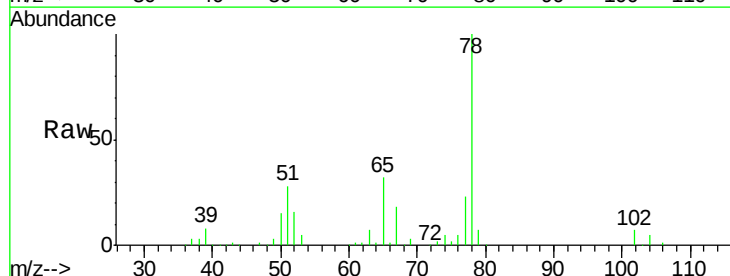
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

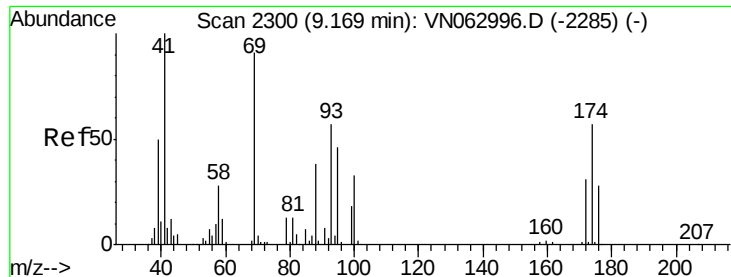
Tot Ion: 83 Resp: 790
Ion Ratio Lower Upper
83 100
55 88.8 63.3 94.9
98 0.0 34.2 51.4#



#40
Benzene
Concen: 24.966 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 78 Resp: 236822
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

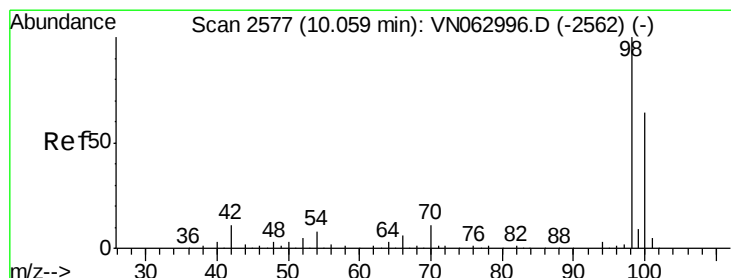
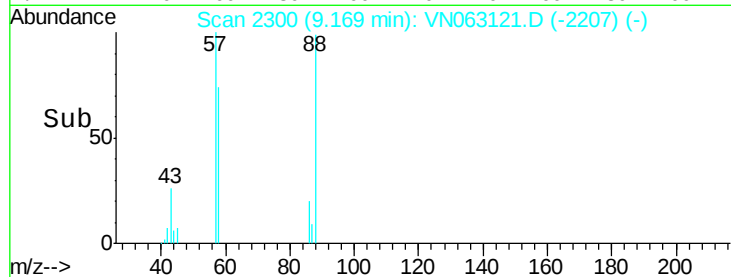
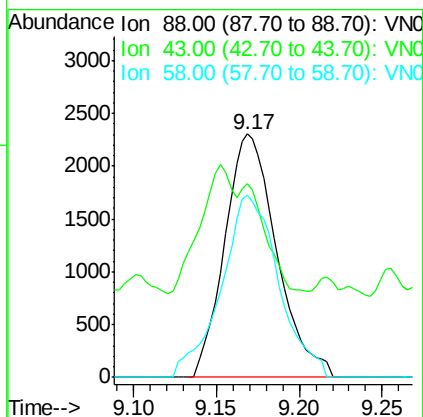
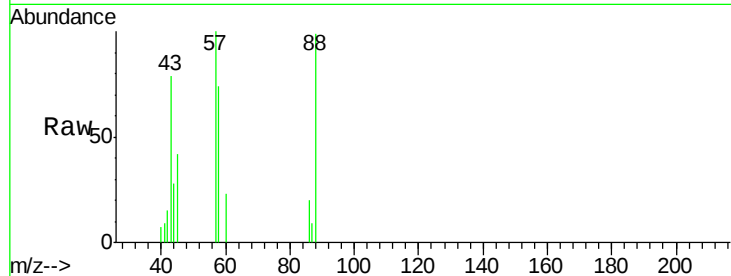




#49
1,4-Dioxane
Concen: 117.126 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

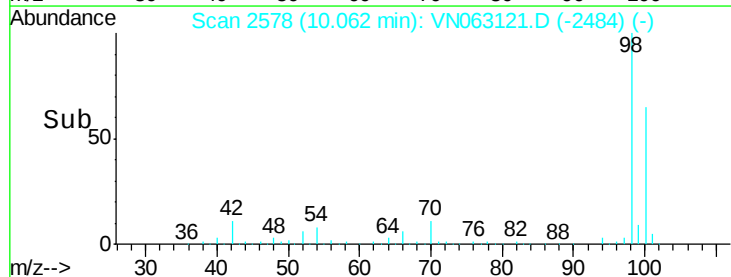
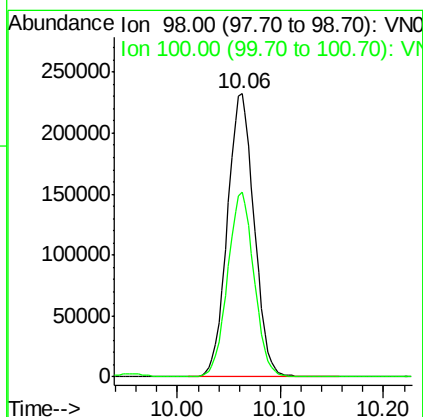
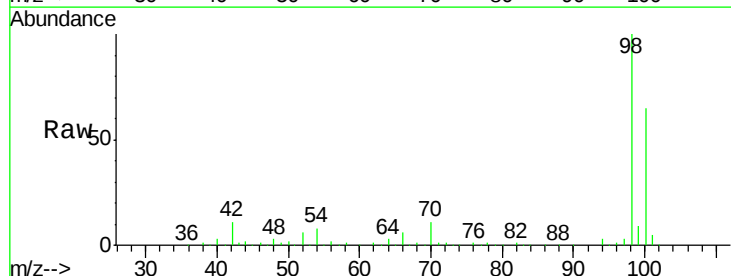
Instrument :
MSVOA_N
ClientSampled :
COMP-2

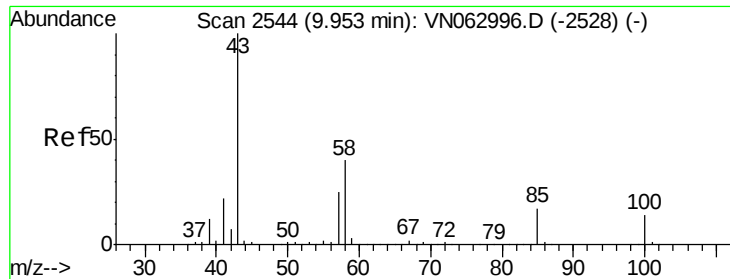
Tot Ion: 88 Resp: 4999
Ion Ratio Lower Upper
88 100
43 35.2 25.2 37.8
58 83.0 56.7 85.1



#50
Toluene-d8
Concen: 49.638 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 98 Resp: 421631
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 12.121 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

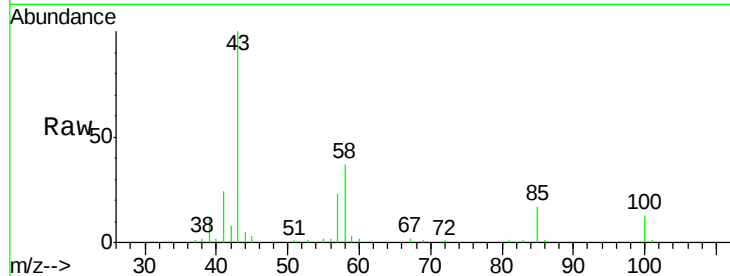
COMP-2

Tot Ion: 43 Resp: 35572

Ion Ratio Lower Upper

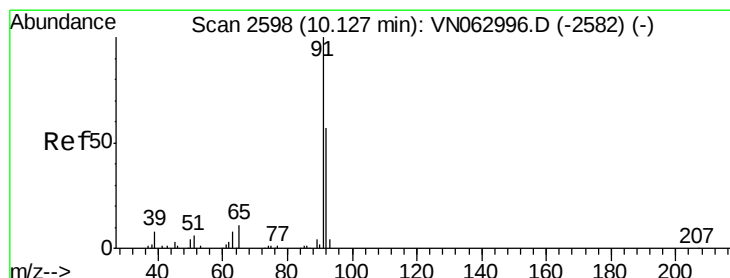
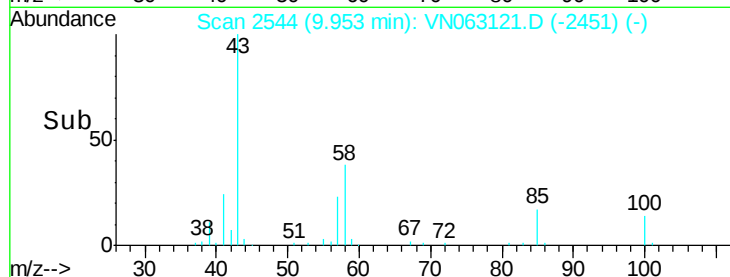
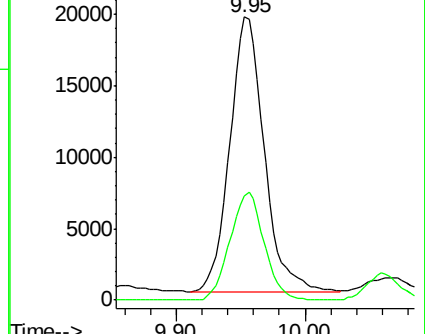
43 100

58 38.8 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)



#52

Toluene

Concen: 19.038 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063121.D

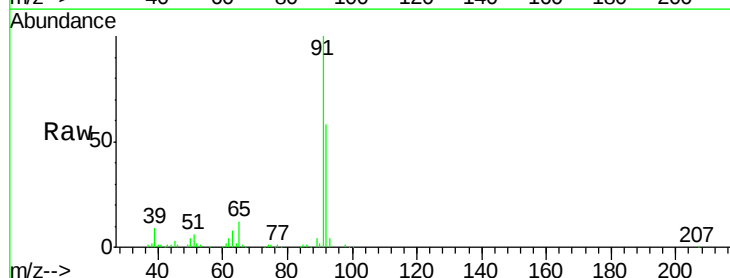
Acq: 25 Aug 2020 19:04

Tgt Ion: 92 Resp: 108937

Ion Ratio Lower Upper

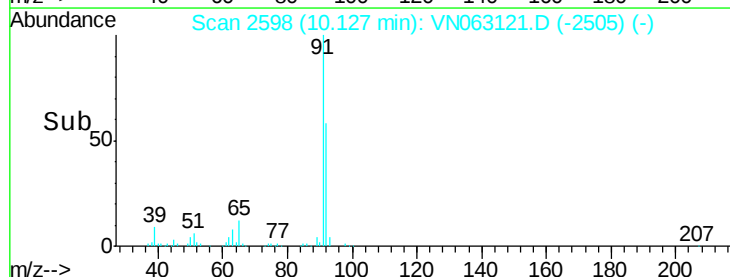
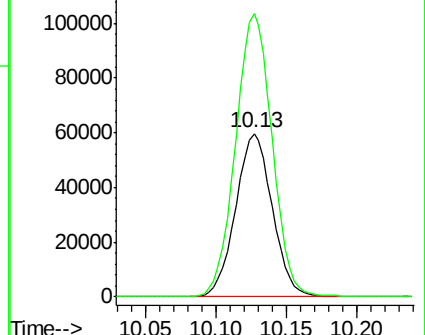
92 100

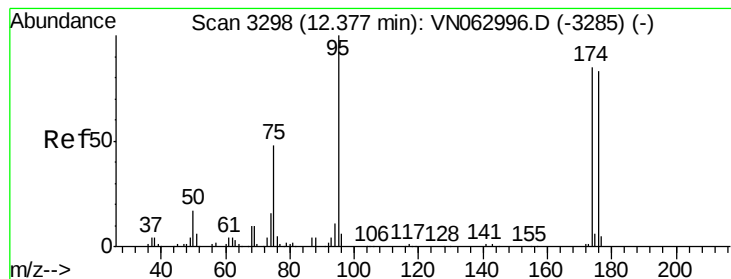
91 172.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)





#62

4-Bromofluorobenzene

Concen: 52.728 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampled :

COMP-2

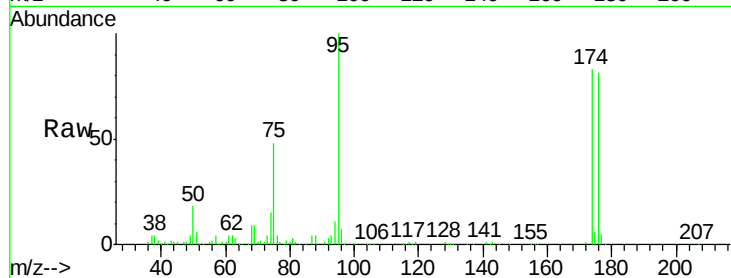
Tot Ion: 95 Resp: 158049

Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.8

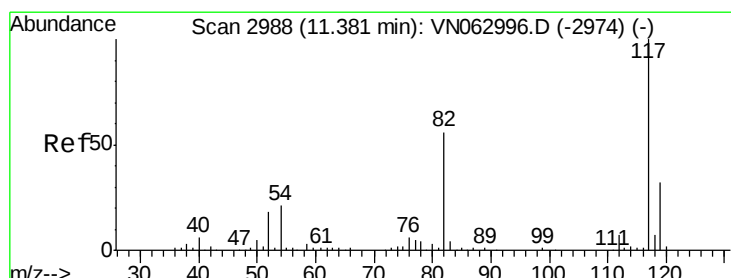
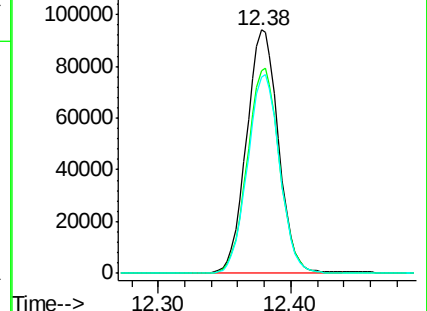
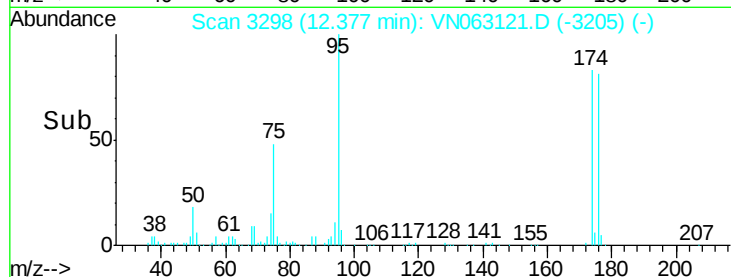
176 81.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN063121.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN063121.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN063121.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

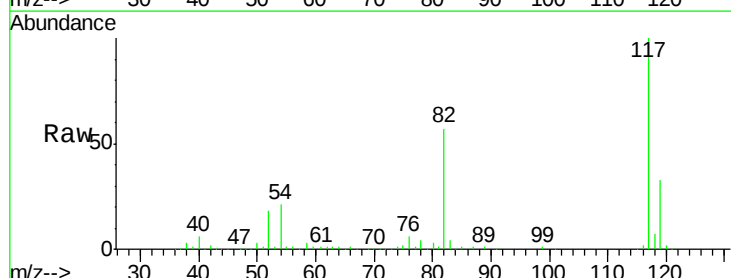
Tgt Ion: 117 Resp: 332772

Ion Ratio Lower Upper

117 100

82 56.7 44.5 66.7

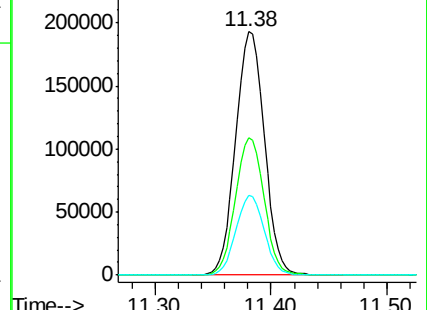
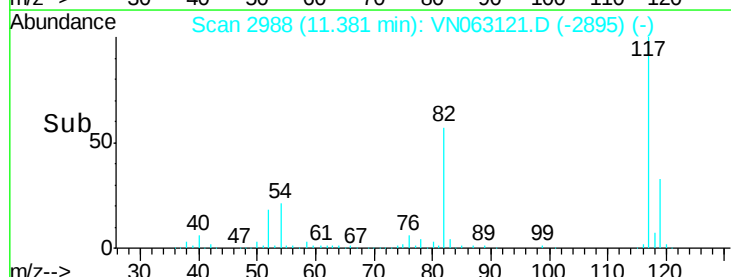
119 32.6 25.5 38.3

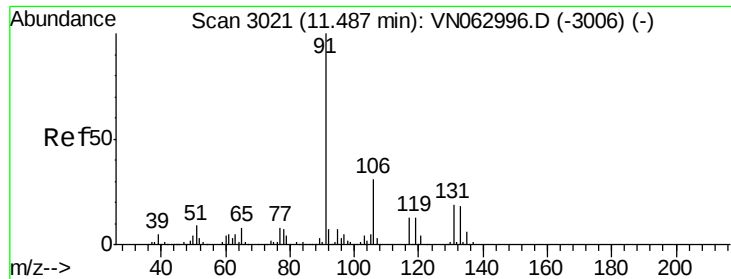


Abundance Ion 116.90 (116.60 to 117.60): VN063121.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN063121.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN063121.D (-2895) (-)

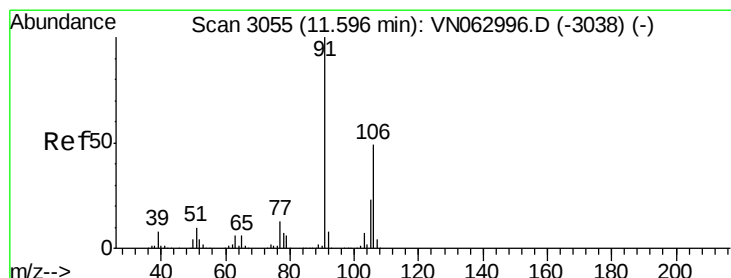
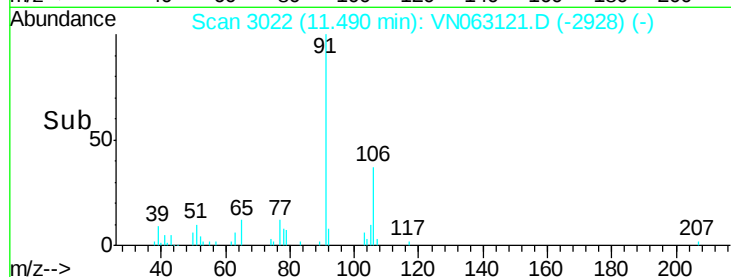
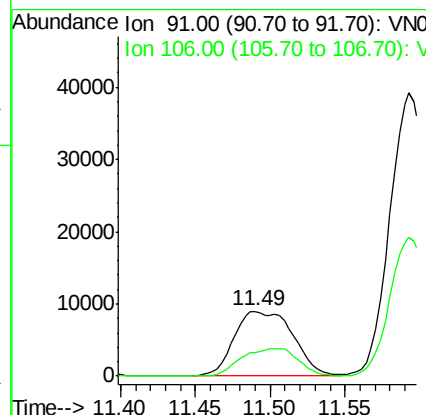
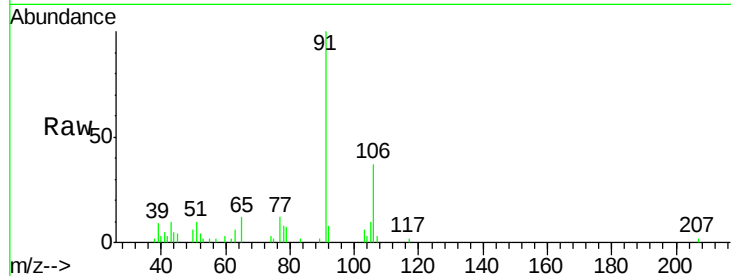




#67
Ethyl Benzene
Concen: 2.194 ug/l
RT: 11.49 min Scan# 3022
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

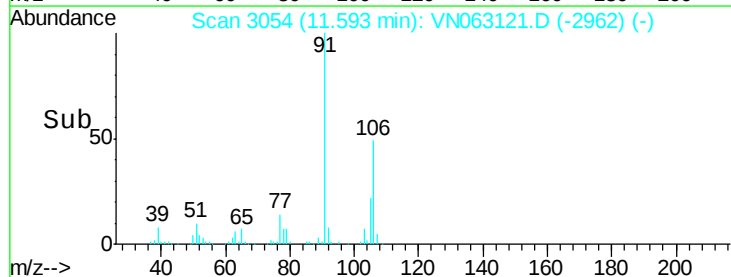
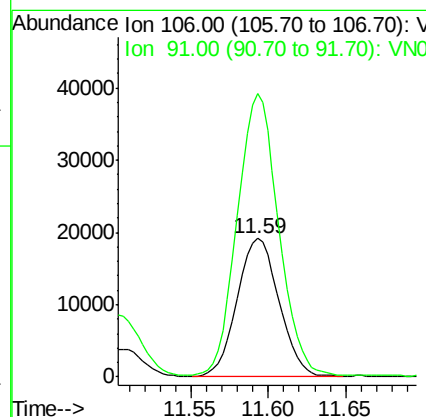
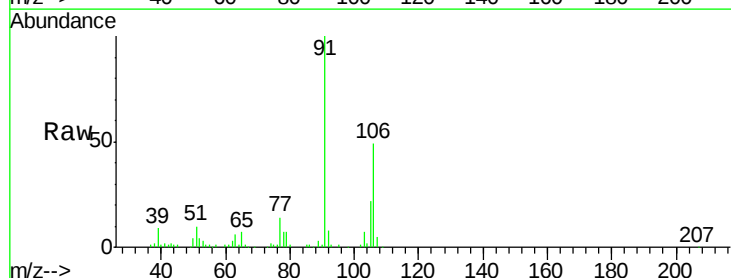
Instrument :
MSVOA_N
ClientSampled :
COMP-2

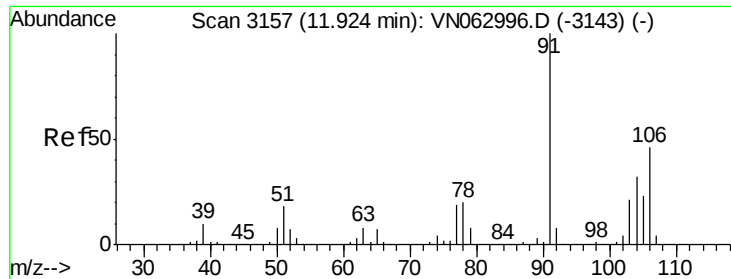
Tot Ion: 91 Resp: 24775
Ion Ratio Lower Upper
91 100
106 37.3 24.6 37.0#



#68
m/p-Xylenes
Concen: 8.616 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion: 106 Resp: 36164
Ion Ratio Lower Upper
106 100
91 199.9 163.0 244.4

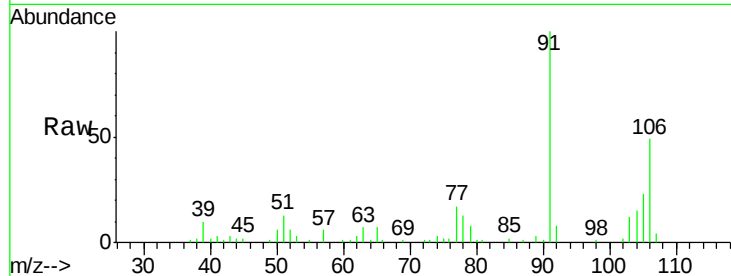




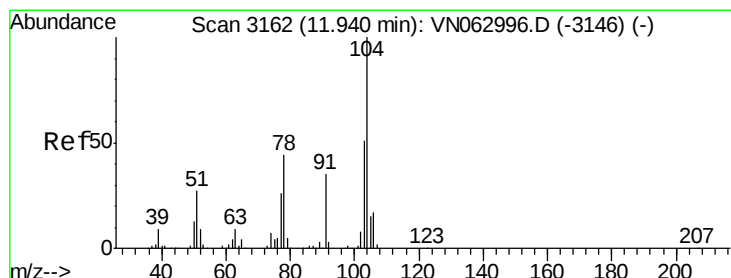
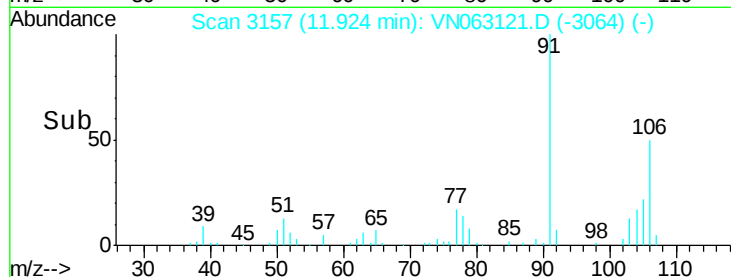
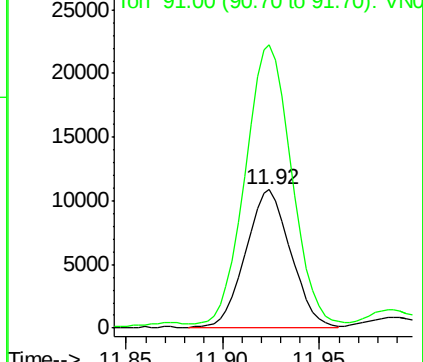
#69
o-Xylene
Concen: 4.412 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion:106 Resp: 17781
Ion Ratio Lower Upper
106 100
91 203.9 107.3 321.9

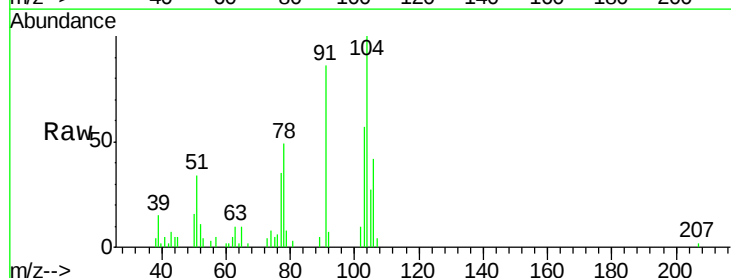


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

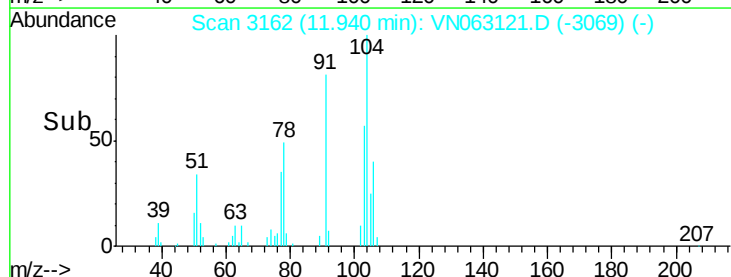
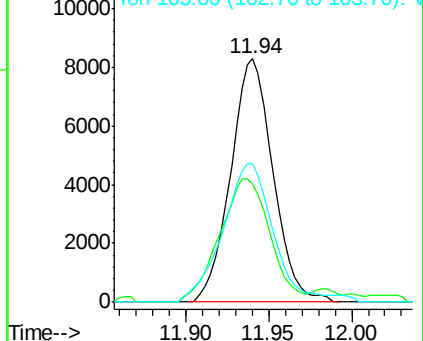


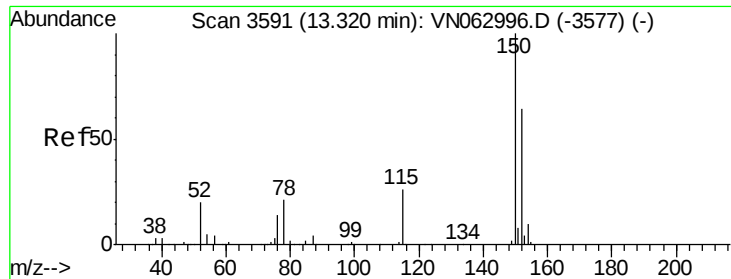
#70
Styrene
Concen: 3.694 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063121.D
Acq: 25 Aug 2020 19:04

Tgt Ion:104 Resp: 14728
Ion Ratio Lower Upper
104 100
78 60.1 39.0 58.6#
103 68.2 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

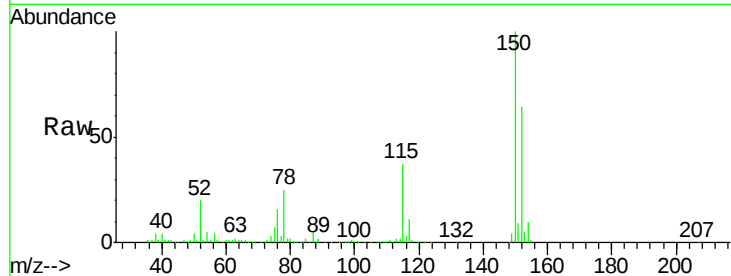
Tot Ion:152 Resp: 145485

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.3

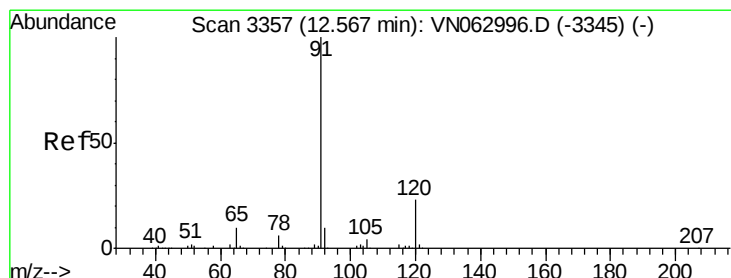
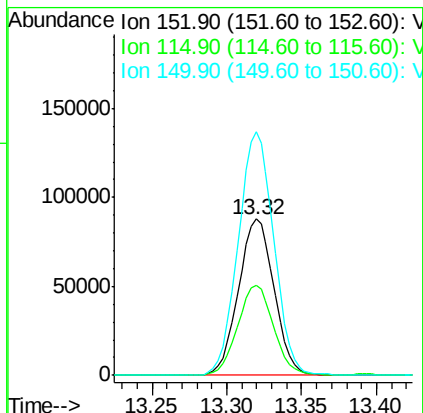
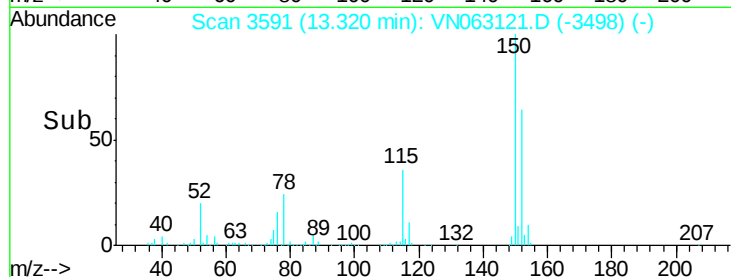
150 156.2 0.0 348.8



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



#78

n-propylbenzene

Concen: 0.576 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063121.D

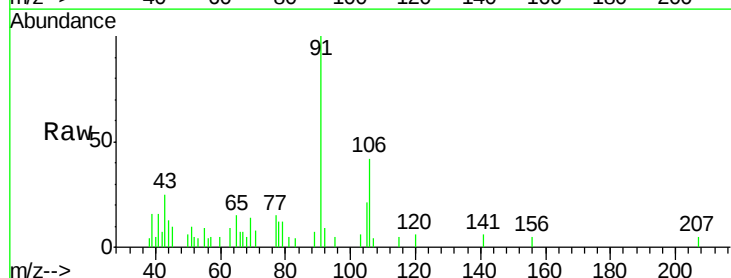
Acq: 25 Aug 2020 19:04

Tgt Ion: 91 Resp: 6536

Ion Ratio Lower Upper

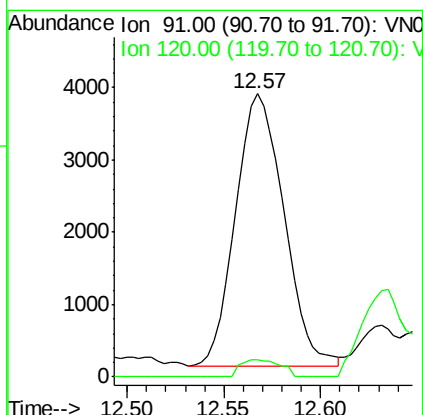
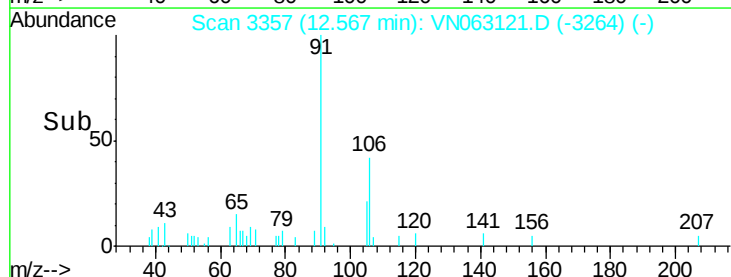
91 100

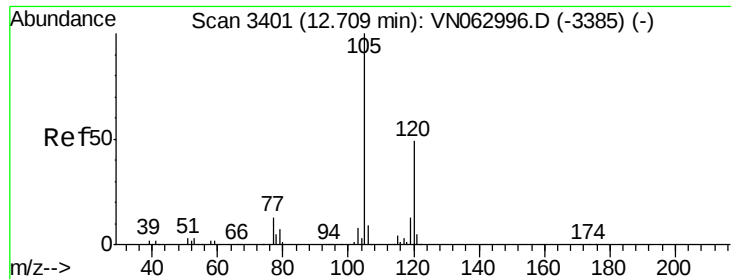
120 5.2 11.4 34.1#



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: 0.709 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampled :

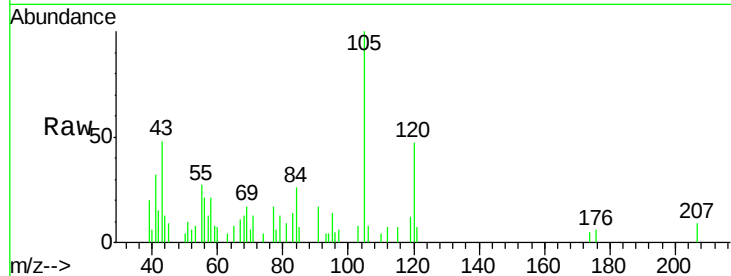
COMP-2

Tot Ion:105 Resp: 5840

Ion Ratio Lower Upper

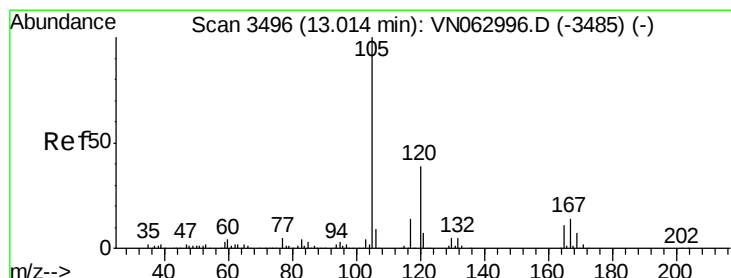
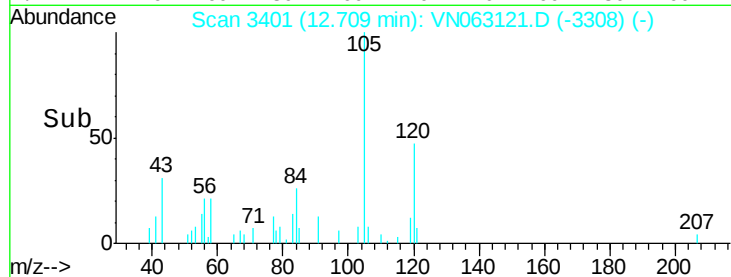
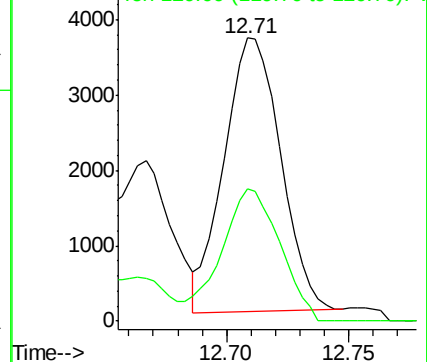
105 100

120 50.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.348 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN063121.D

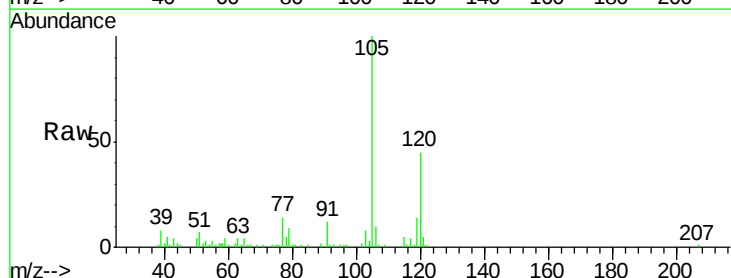
Acq: 25 Aug 2020 19:04

Tgt Ion:105 Resp: 42910

Ion Ratio Lower Upper

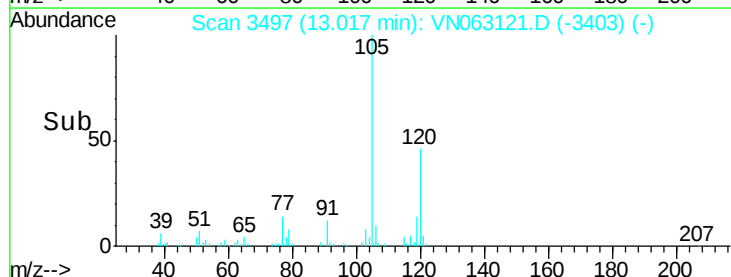
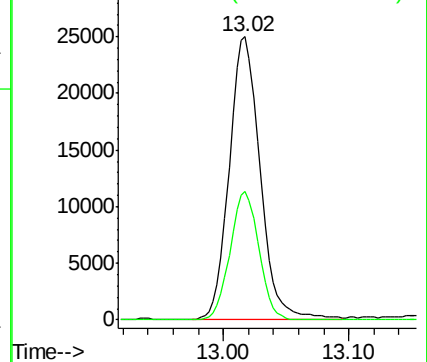
105 100

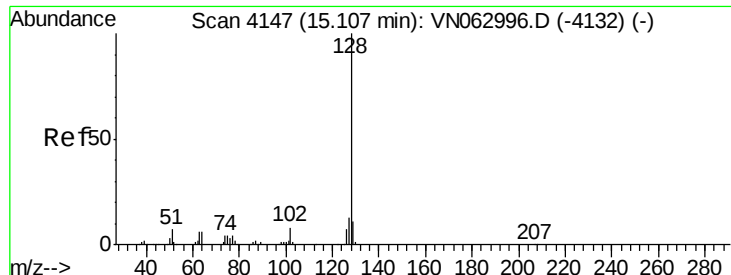
120 41.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 82.604 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063121.D

Acq: 25 Aug 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

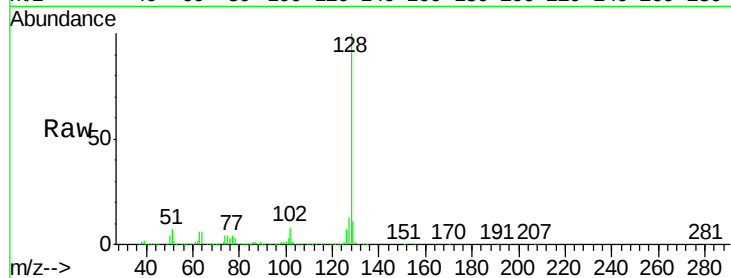
Tot Ion:128 Resp: 503568

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.9 8.9 13.3



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

