

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060920.D
 Acq On : 13 Apr 2020 23:58
 Operator : JC/MD
 Sample : L2201-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CG-SUB

Quant Time: Apr 14 07:26:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	148656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	254037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	238847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	98410	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.56	113	74683	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.08	98	313035	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	119062	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

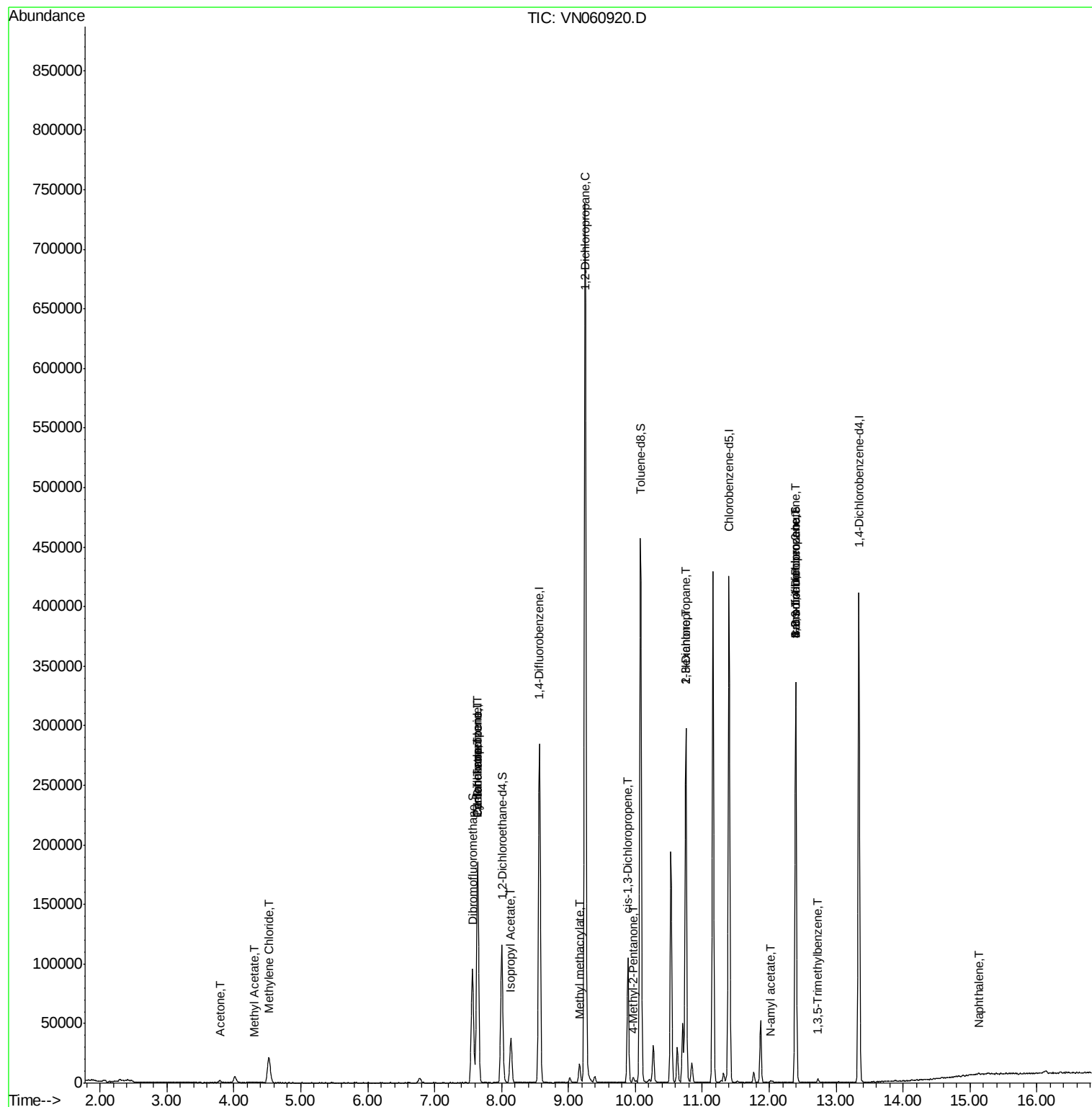
						Qvalue
16) Acetone	3.79	43	3925	5.430	ug/l #	88
18) Methyl Acetate	4.30	43	1486	0.730	ug/l #	54
20) Methylene Chloride	4.53	84	16207	9.114	ug/l	99
31) Cyclohexane	7.64	56	3179	0.967	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12300	5.000	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14538	6.594	ug/l #	16
43) Isopropyl Acetate	8.14	43	44675	10.192	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	866	0.442	ug/l #	43
48) Methyl methacrylate	9.16	41	2308	1.183	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3599	1.443	ug/l #	85
54) cis-1,3-Dichloropropene	9.89	75	18368	5.921	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	2887	0.964	ug/l #	42
59) 2-Hexanone	10.75	43	44919	24.999	ug/l #	52
71) Bromoform	12.40	173	591	2.081	ug/l #	1
74) N-amyl acetate	12.02	43	2393	0.638	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60175	25.772	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2095	0.304	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	60175	66.191	ug/l #	13
95) Naphthalene	15.13	128	1922	0.315	ug/l #	78

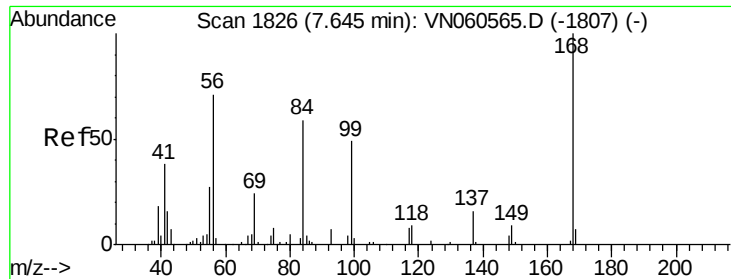
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

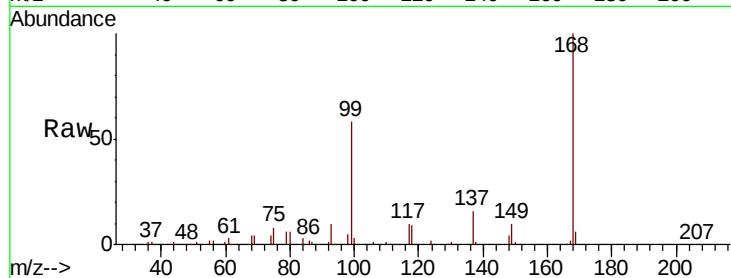
CG-SUB

Tot Ion:168 Resp: 148656

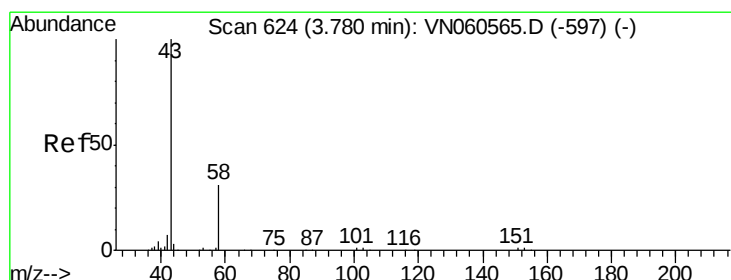
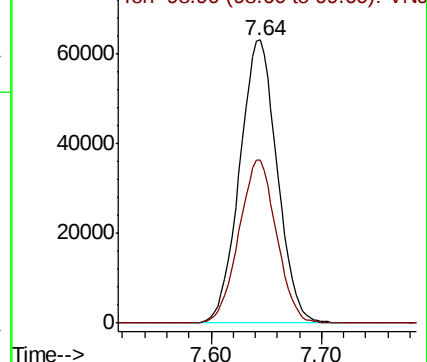
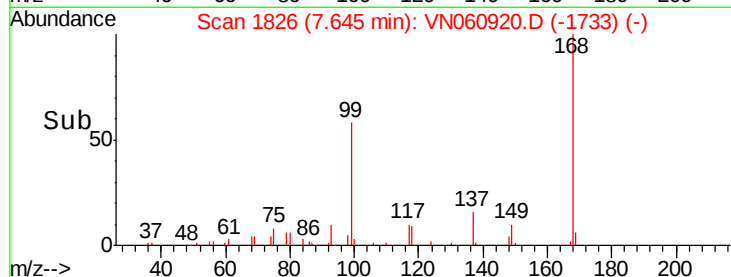
Ion Ratio Lower Upper

168 100

99 57.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060920.D (-1733) (-)



#16

Acetone

Concen: 5.430 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060920.D

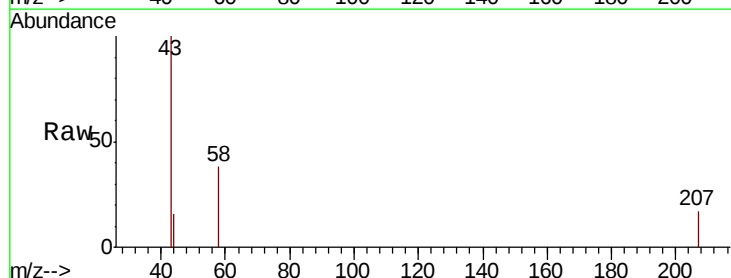
Acq: 13 Apr 2020 23:58

Tgt Ion: 43 Resp: 3925

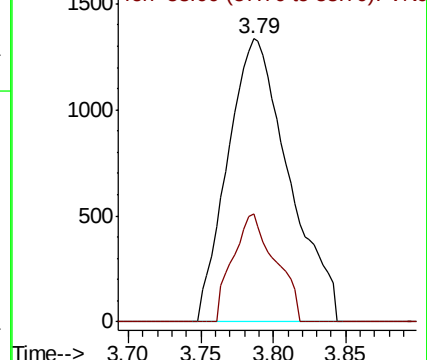
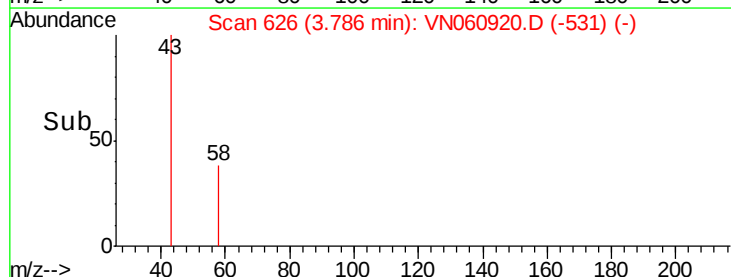
Ion Ratio Lower Upper

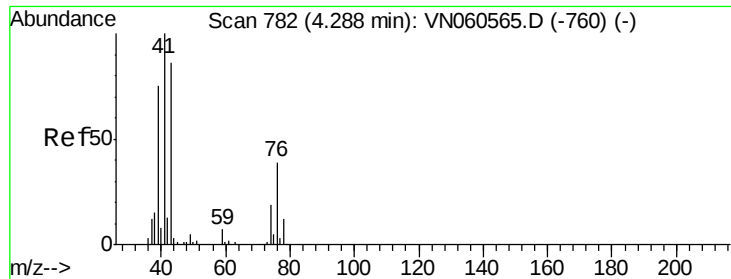
43 100

58 38.1 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN060920.D (-531) (-)

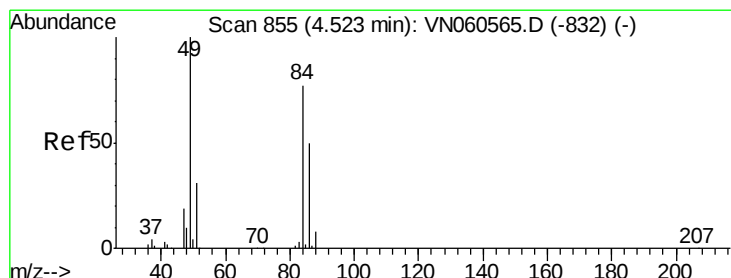
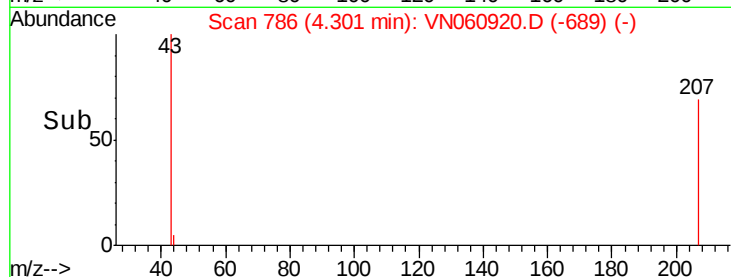
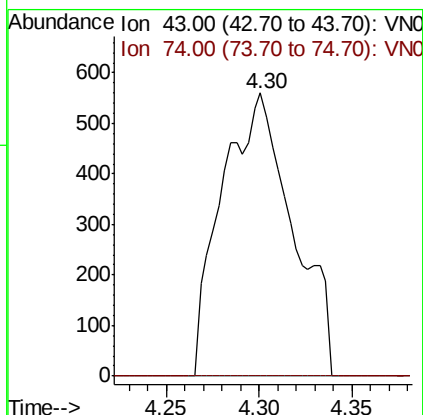
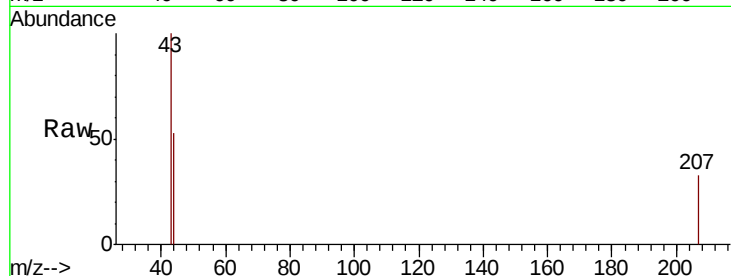




#18
Methvl Acetate
Concen: 0.730 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

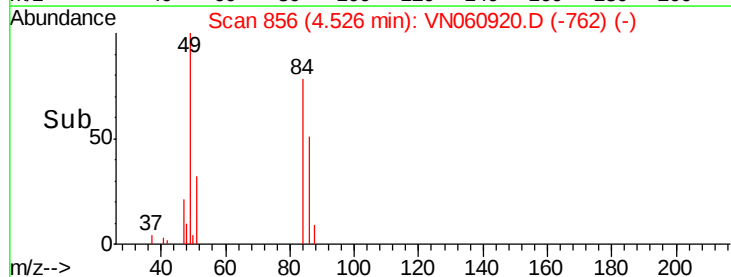
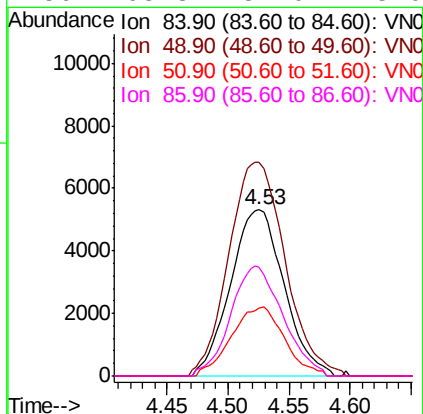
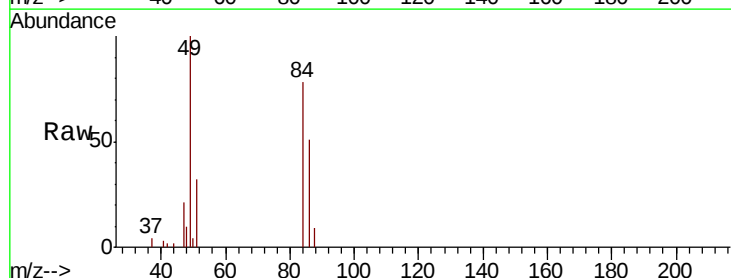
Instrument :
MSVOA_N
ClientSampleId :
CG-SUB

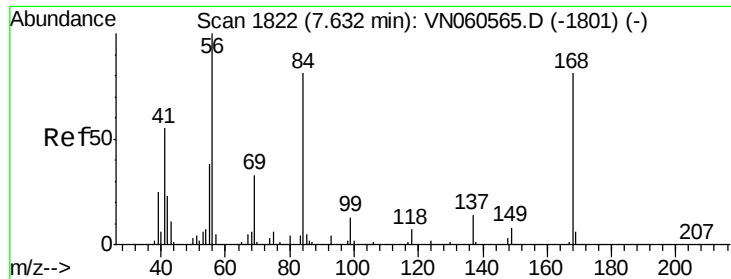
Tot Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 9.114 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

Tgt Ion: 84 Resp: 16207
Ion Ratio Lower Upper
84 100
49 128.7 103.3 154.9
51 40.9 31.6 47.4
86 65.3 52.0 78.0

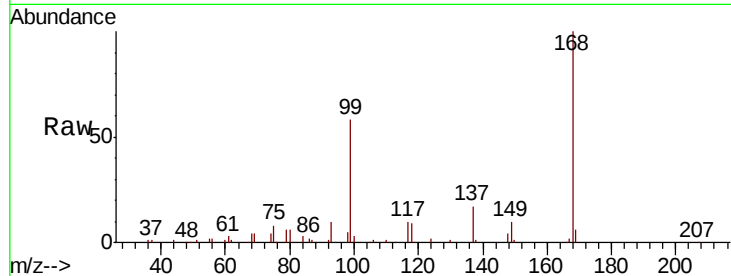




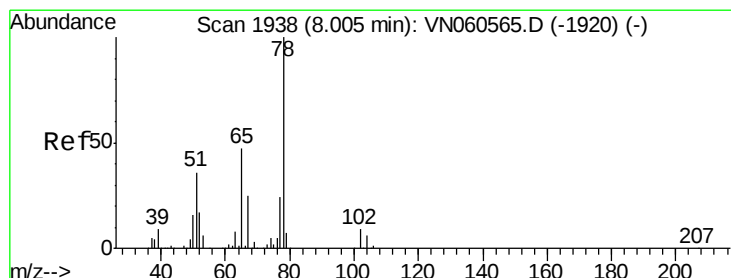
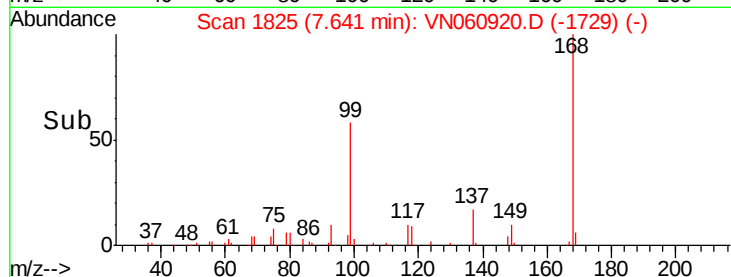
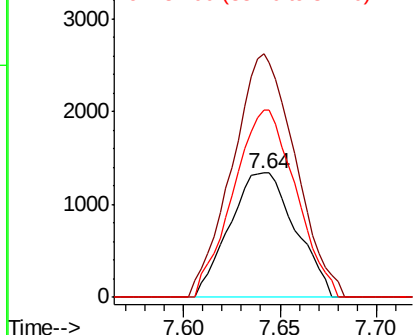
#31
Cyclohexane
Concen: 0.967 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

Instrument :
MSVOA_N
ClientSampled :
CG-SUB

Tot Ion: 56 Resp: 3179
Ion Ratio Lower Upper
56 100
69 195.9 26.6 40.0#
84 150.4 64.3 96.5#

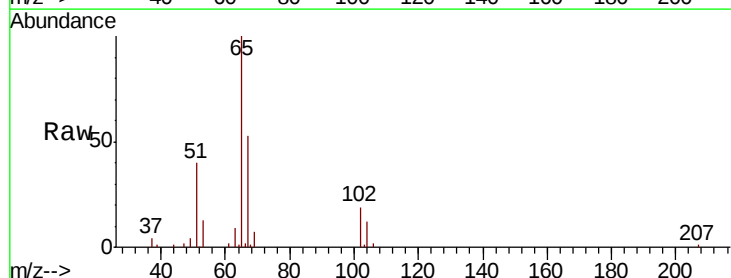


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

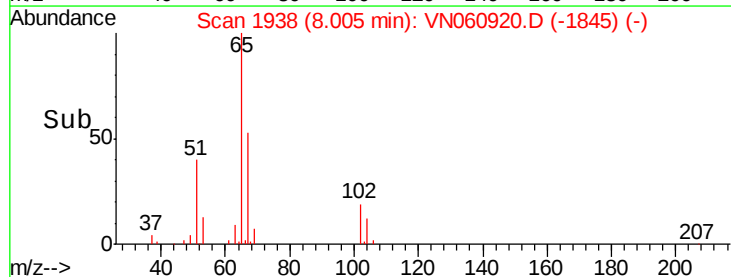
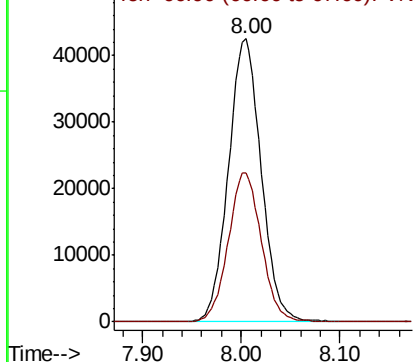


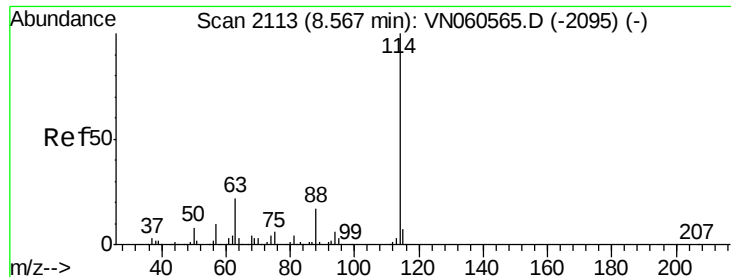
#33
1,2-Dichloroethane-d4
Concen: 48.223 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

Tgt Ion: 65 Resp: 98410
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

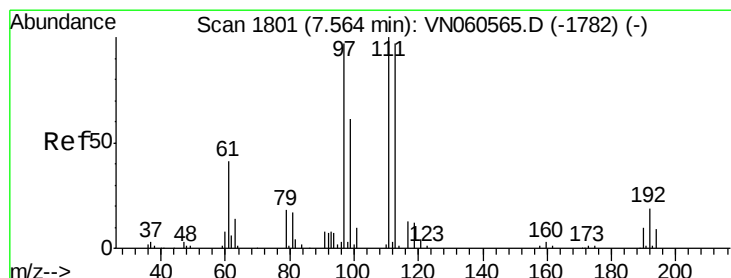
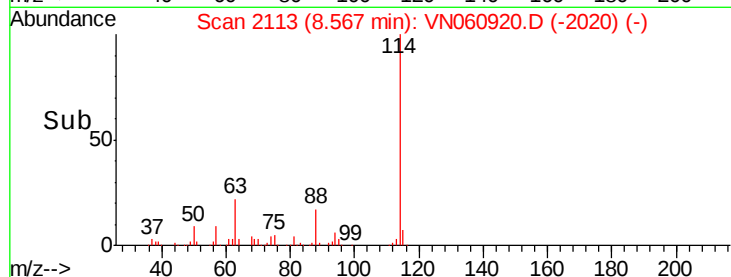
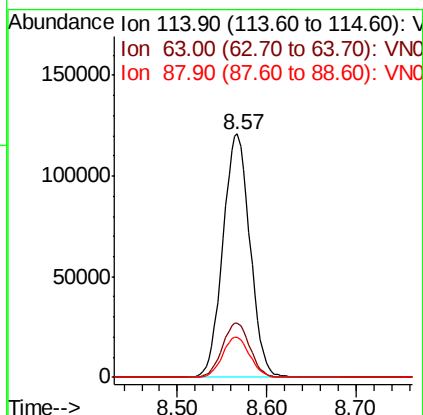
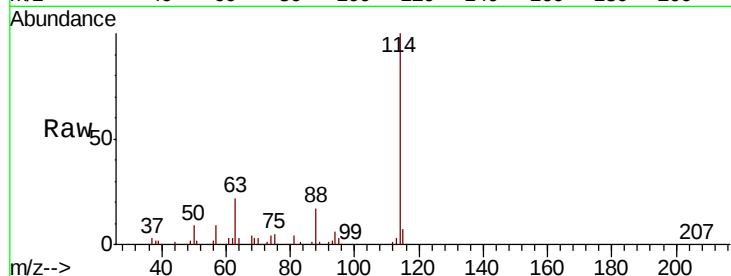




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060920.D
 Acq: 13 Apr 2020 23:58

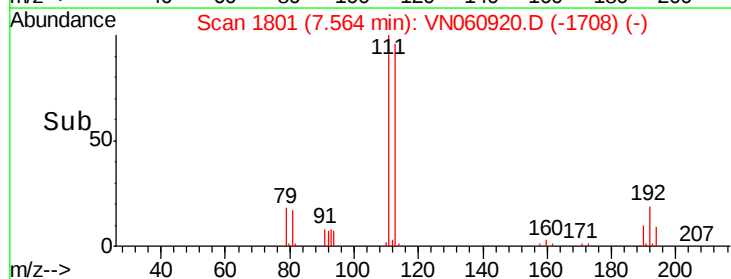
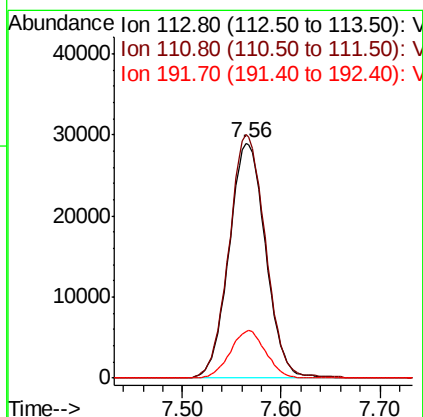
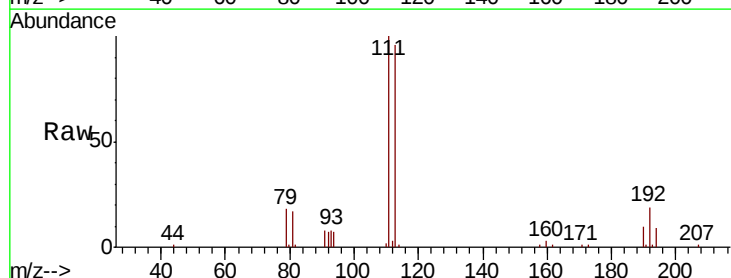
Instrument :
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 ClientSampleId :
 CG-SUB

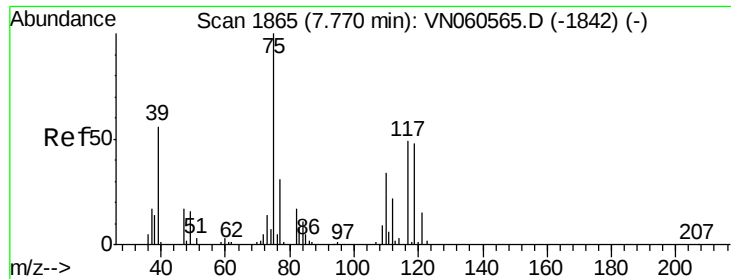
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.5	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 48.619 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060920.D
 Acq: 13 Apr 2020 23:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	19.5	15.8	23.8

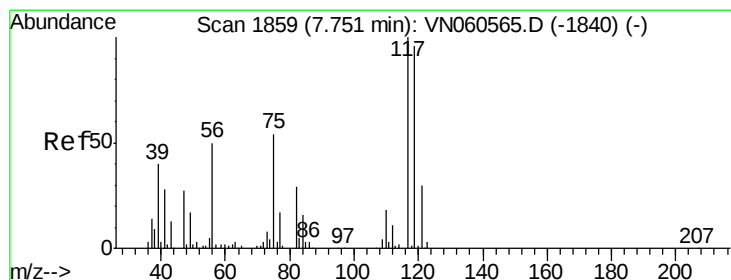
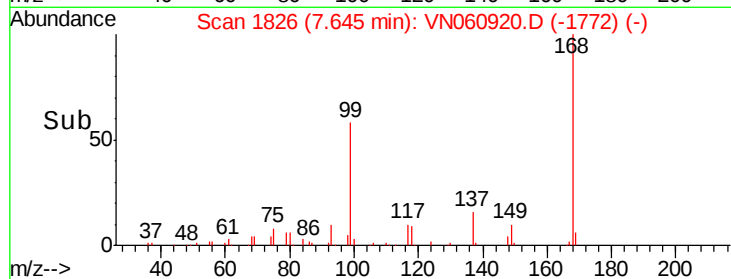
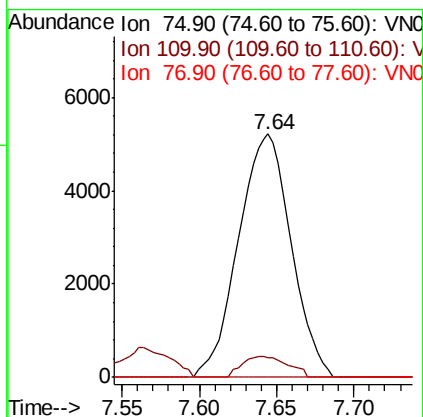
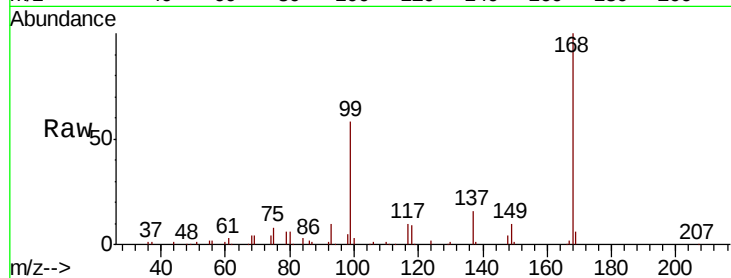




#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060920.D
 Acq: 13 Apr 2020 23:58

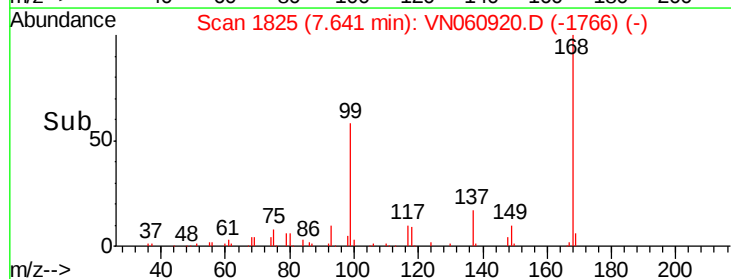
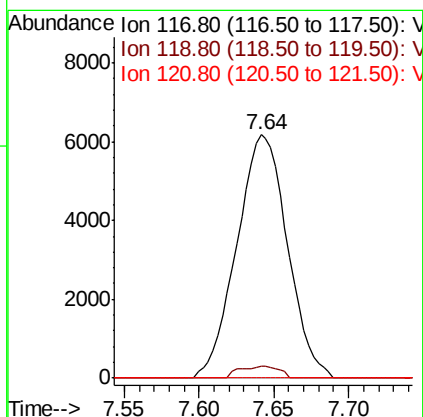
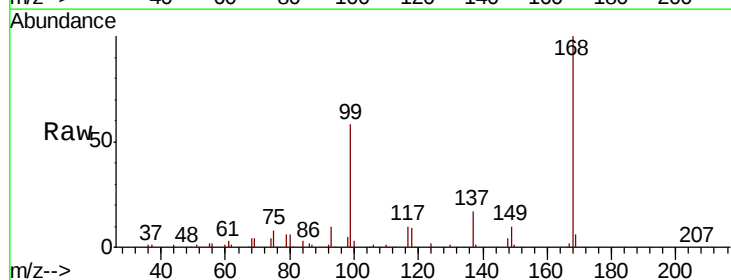
Instrument :
 MSVOA_N
 ClientSampleId :
 CG-SUB

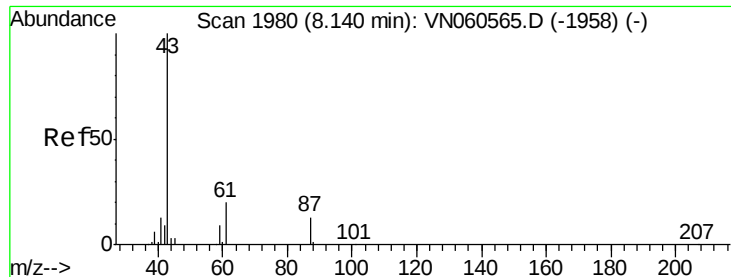
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.594 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060920.D
 Acq: 13 Apr 2020 23:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 10.192 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

CG-SUB

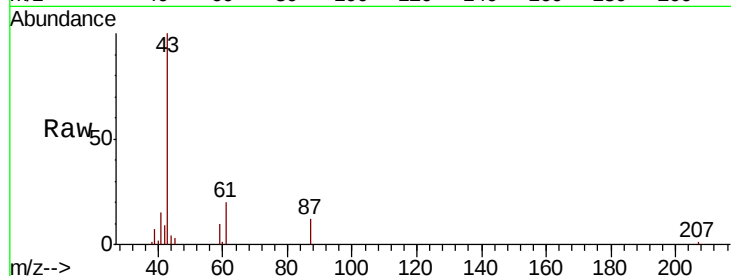
Tot Ion: 43 Resp: 44675

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

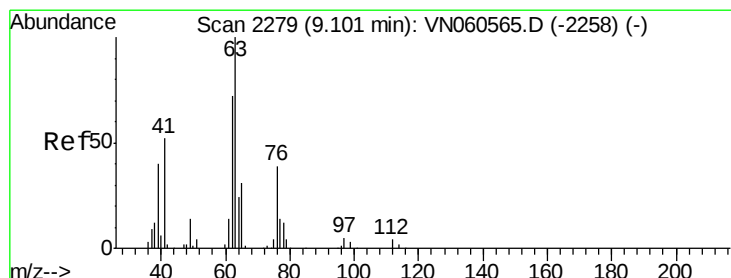
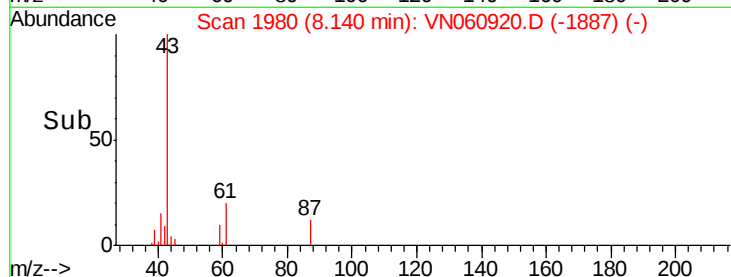
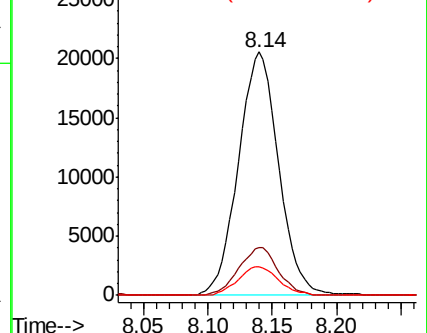
87 11.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060920.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060920.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060920.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.442 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060920.D

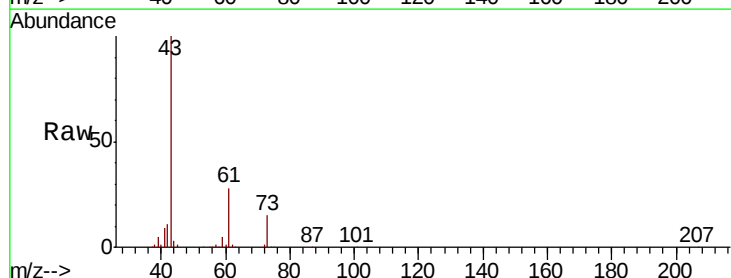
Acq: 13 Apr 2020 23:58

Tgt Ion: 63 Resp: 866

Ion Ratio Lower Upper

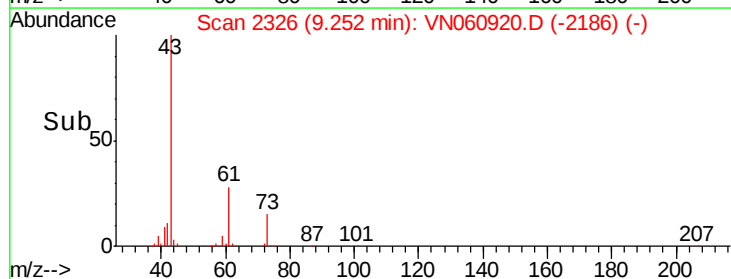
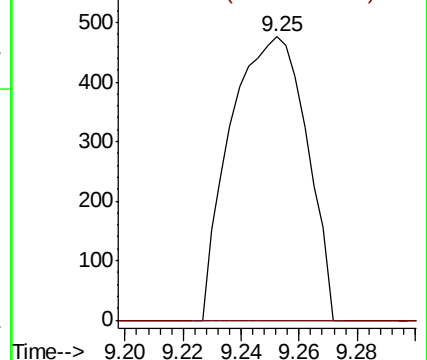
63 100

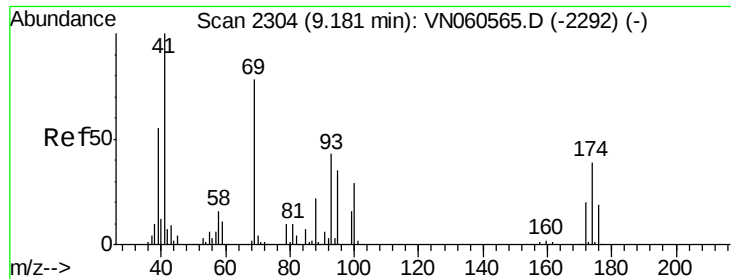
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060920.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060920.D (-2186) (-)

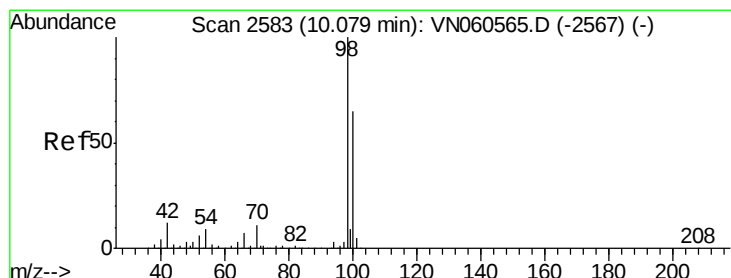
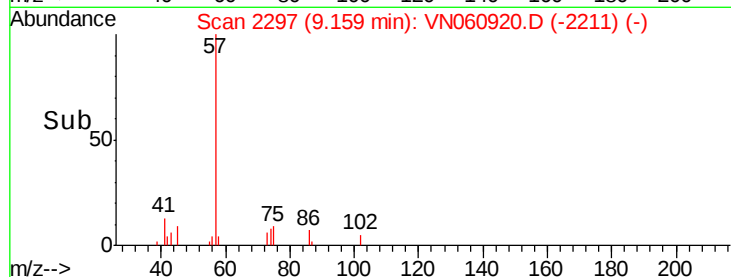
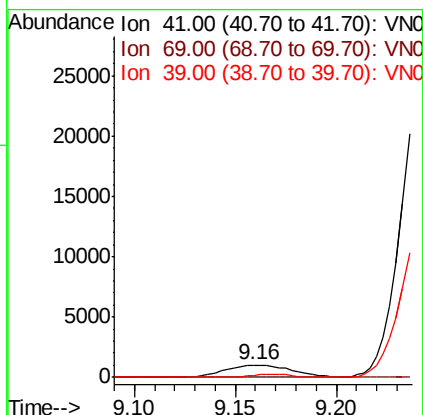
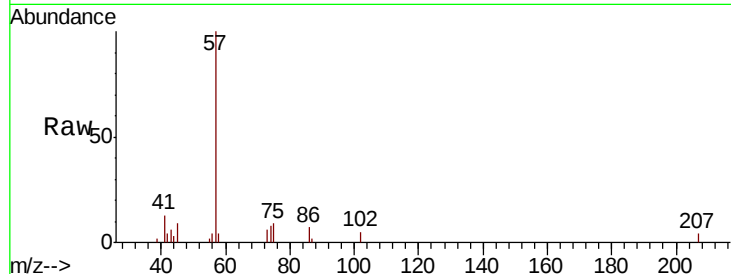




#48
Methvl methacrylate
Concen: 1.183 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

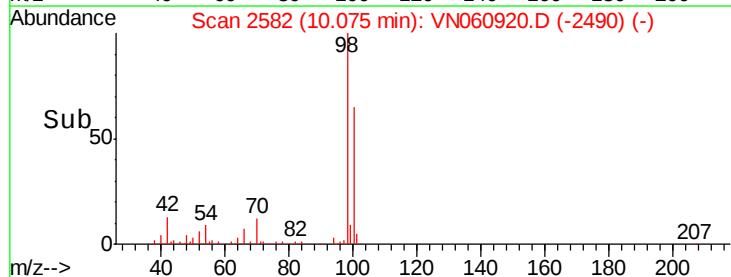
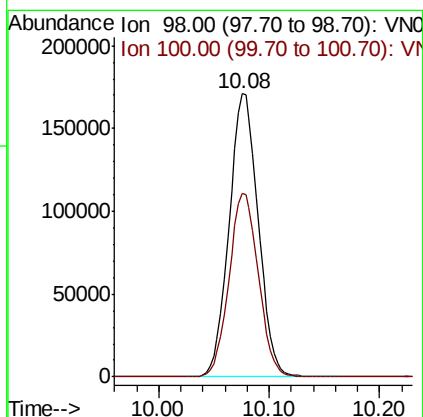
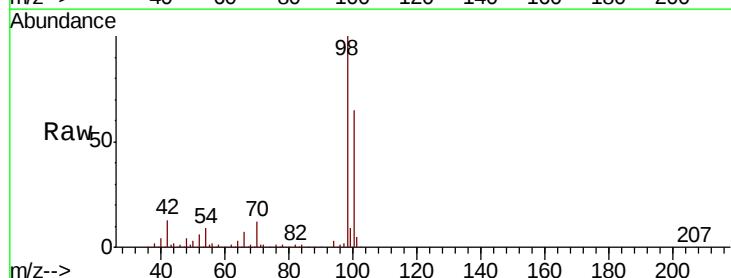
Instrument :
MSVOA_N
ClientSampled :
CG-SUB

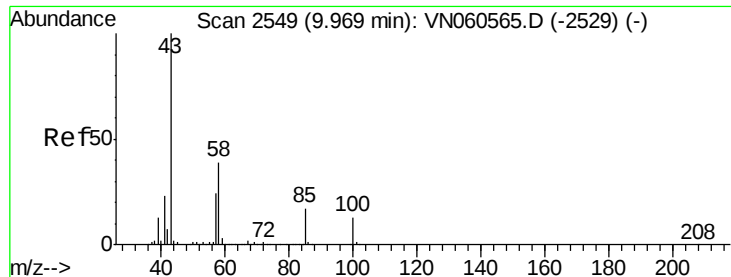
Tot Ion: 41 Resp: 2308
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.892 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060920.D
Acq: 13 Apr 2020 23:58

Tgt Ion: 98 Resp: 313035
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.443 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

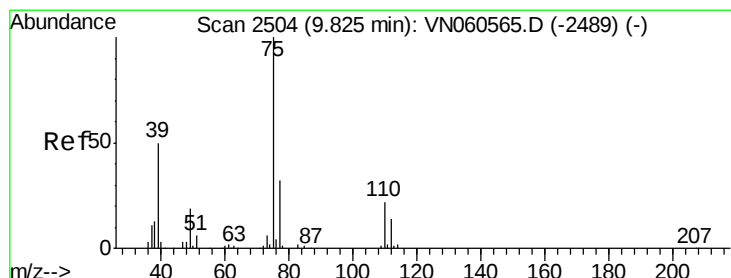
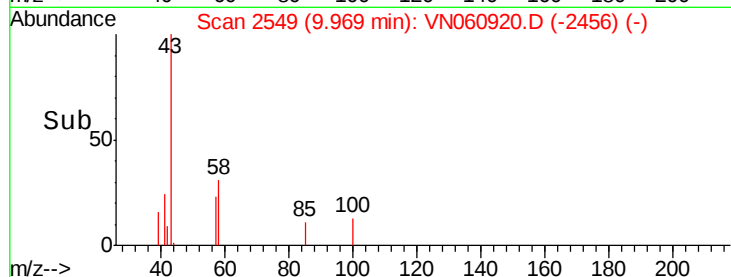
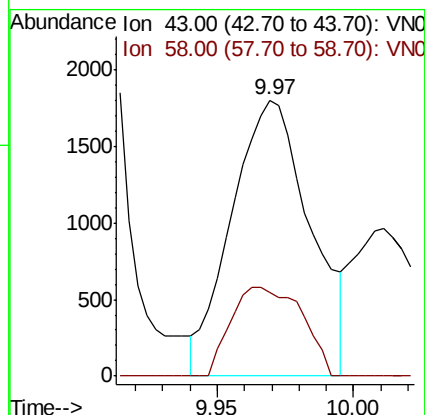
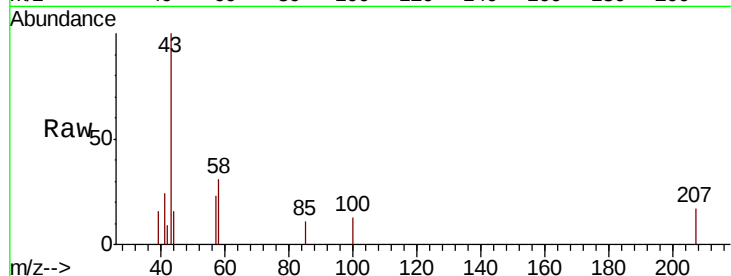
CG-SUB

Tot Ion: 43 Resp: 3599

Ion Ratio Lower Upper

43 100

58 29.3 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 5.921 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

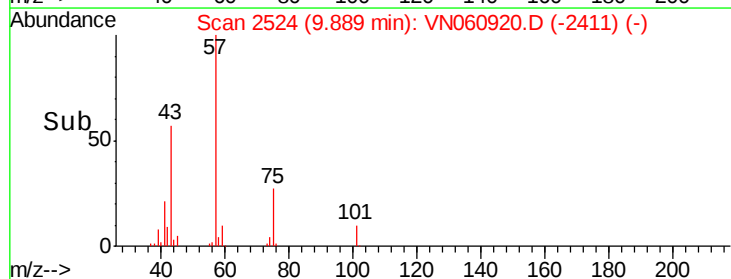
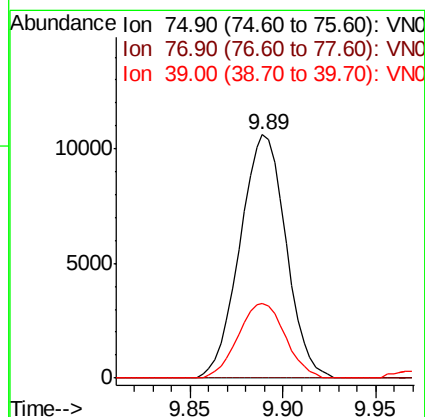
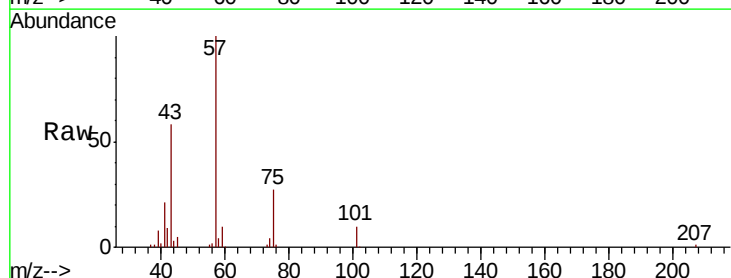
Tgt Ion: 75 Resp: 18368

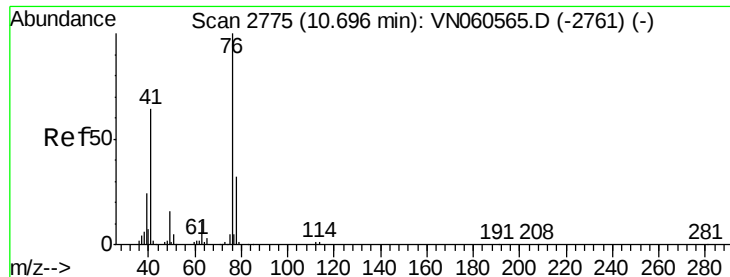
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 30.7 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.964 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

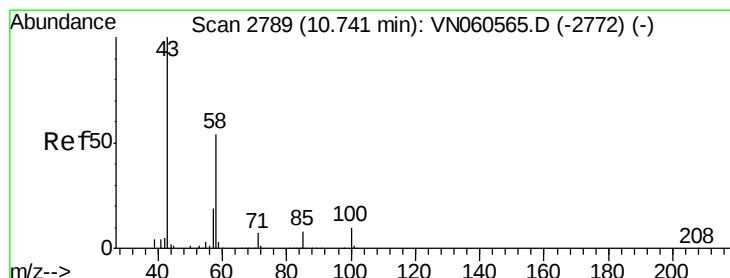
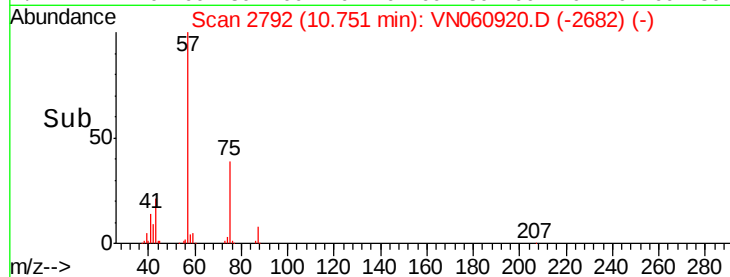
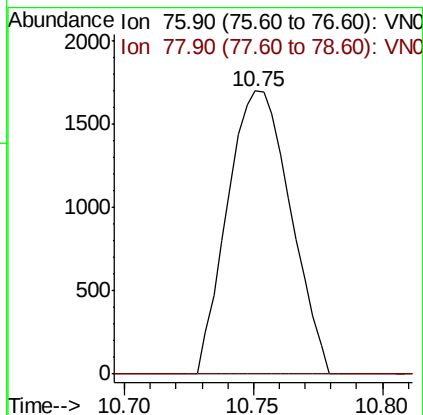
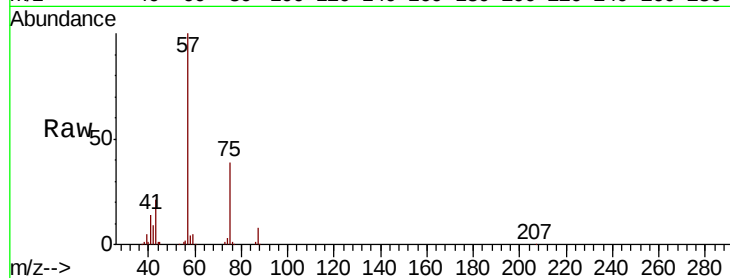
CG-SUB

Tot Ion: 76 Resp: 2887

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 24.999 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060920.D

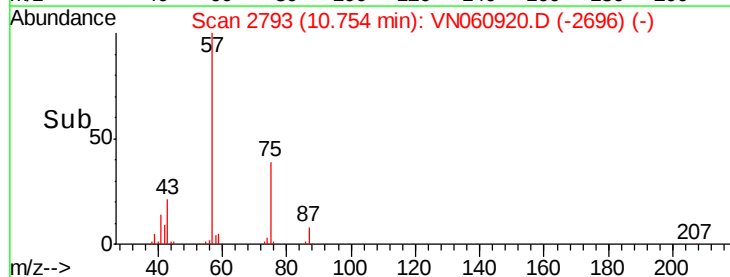
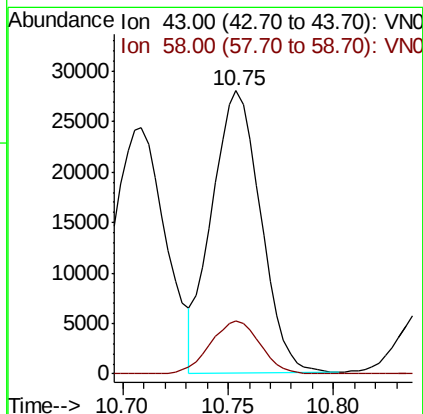
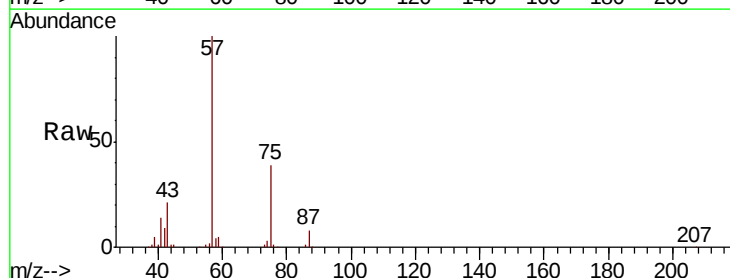
Acq: 13 Apr 2020 23:58

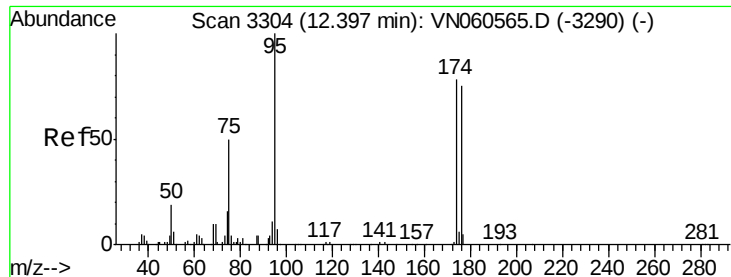
Tgt Ion: 43 Resp: 44919

Ion Ratio Lower Upper

43 100

58 19.2 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.779 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

CG-SUB

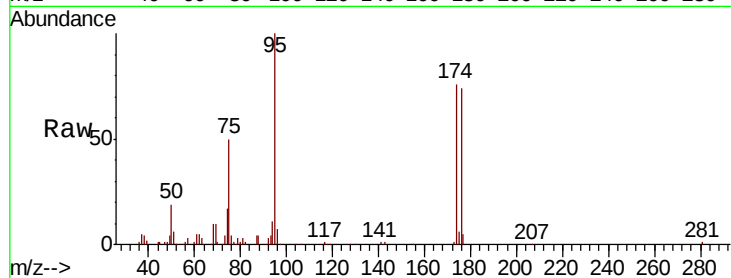
Tot Ion: 95 Resp: 119062

Ion Ratio Lower Upper

95 100

174 75.5 0.0 157.6

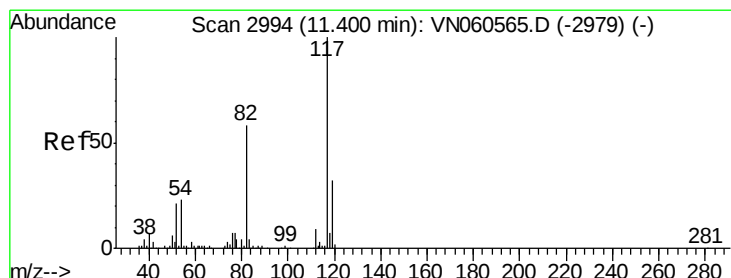
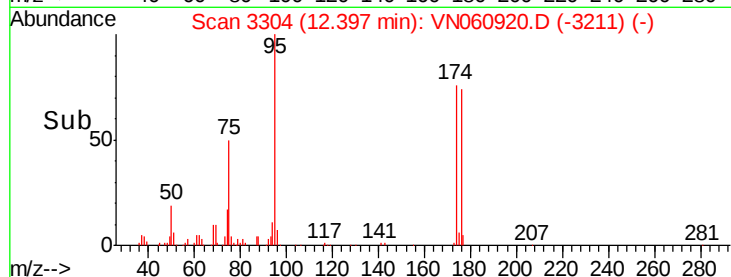
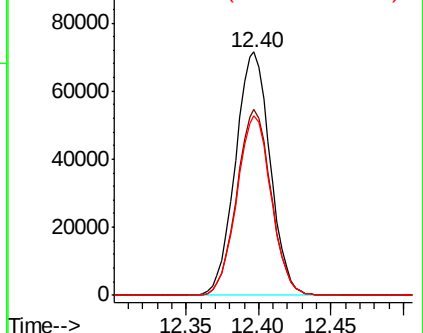
176 73.3 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060920.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060920.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060920.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

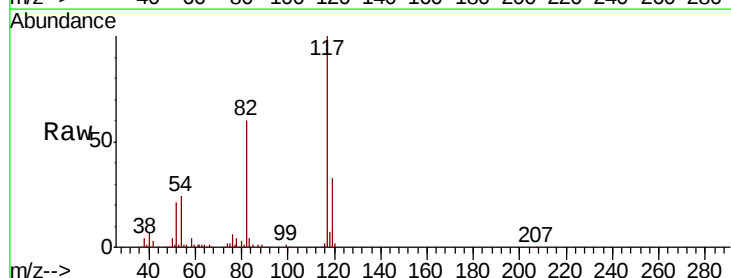
Tgt Ion: 117 Resp: 238847

Ion Ratio Lower Upper

117 100

82 59.8 46.7 70.1

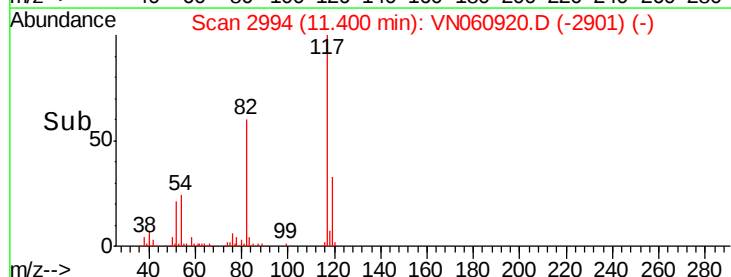
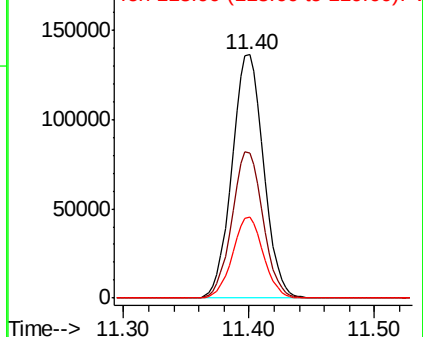
119 33.2 25.5 38.3

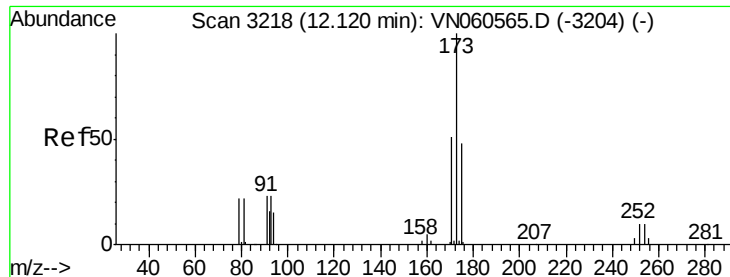


Abundance Ion 116.90 (116.60 to 117.60): VN060920.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060920.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060920.D (-2979) (-)





#71

Bromoform

Concen: 2.081 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

CG-SUB

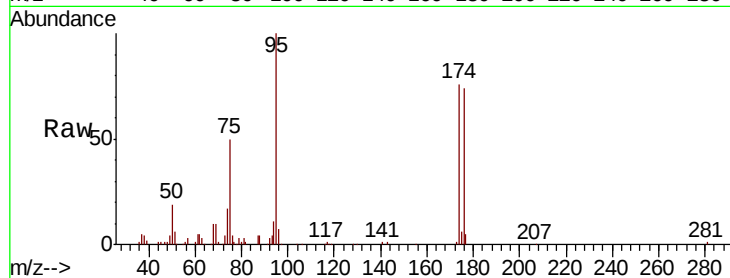
Tot Ion:173 Resp: 591

Ion Ratio Lower Upper

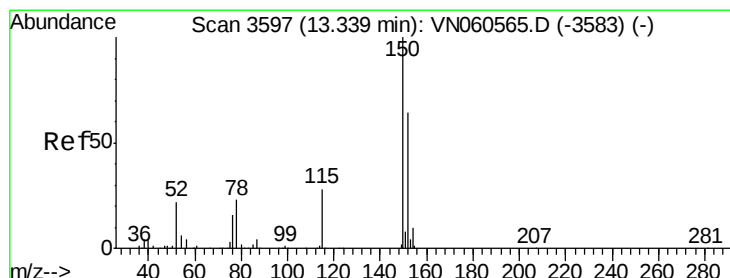
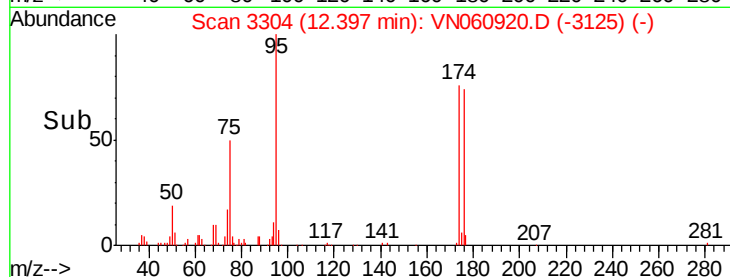
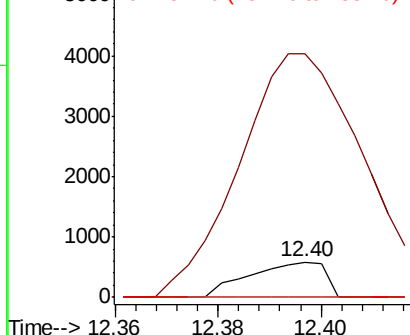
173 100

175 967.0 24.1 72.4#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

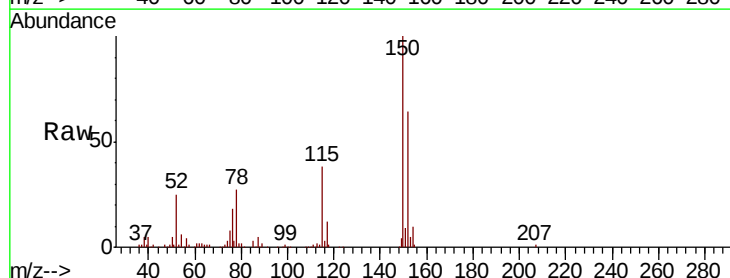
Tgt Ion:152 Resp: 108207

Ion Ratio Lower Upper

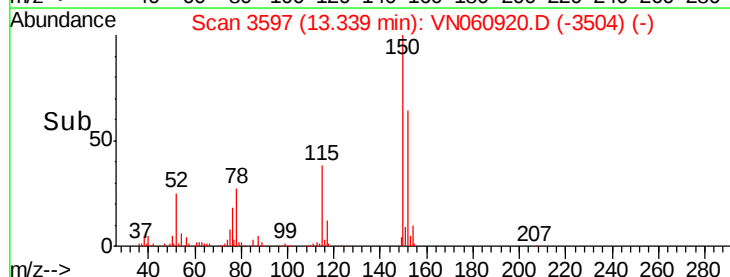
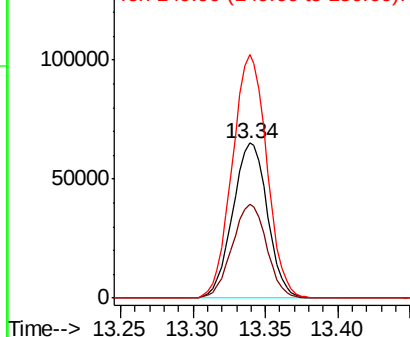
152 100

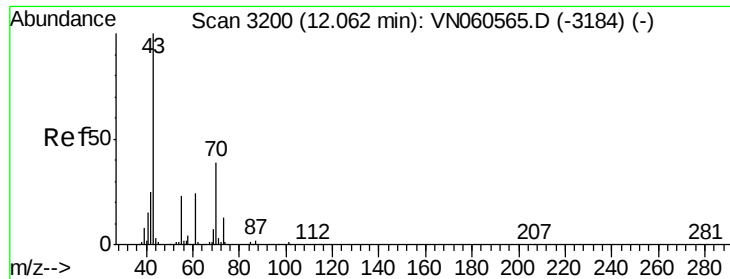
115 60.2 30.2 90.6

150 156.5 0.0 350.2



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





#74

N-amvl acetate

Concen: 0.638 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

CG-SUB

Tot Ion: 43 Resp: 2393

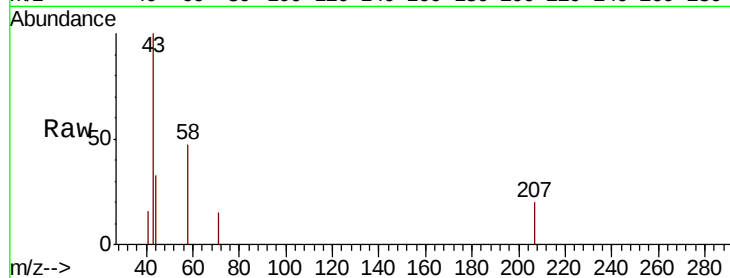
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

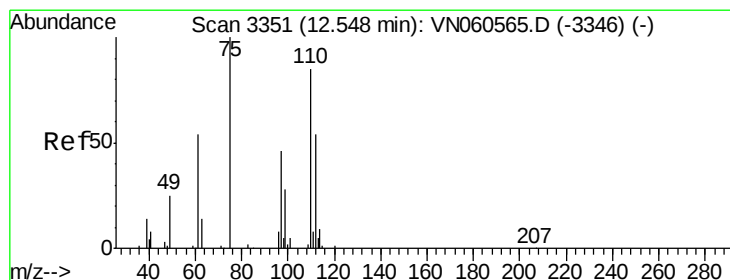
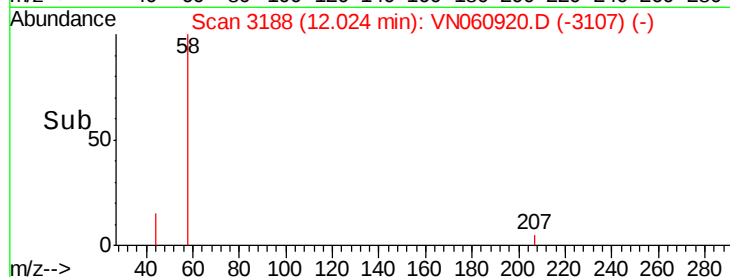
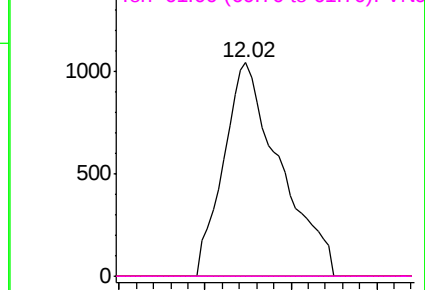


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.772 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060920.D

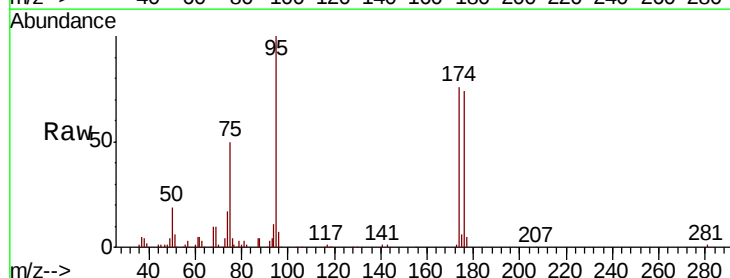
Acq: 13 Apr 2020 23:58

Tgt Ion: 75 Resp: 60175

Ion Ratio Lower Upper

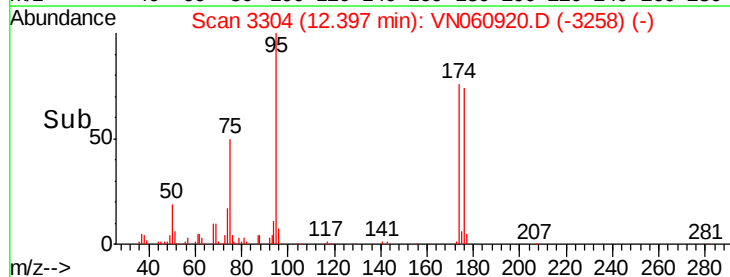
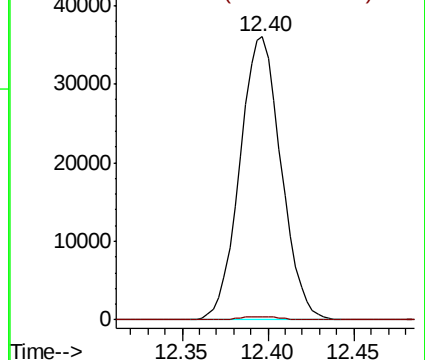
75 100

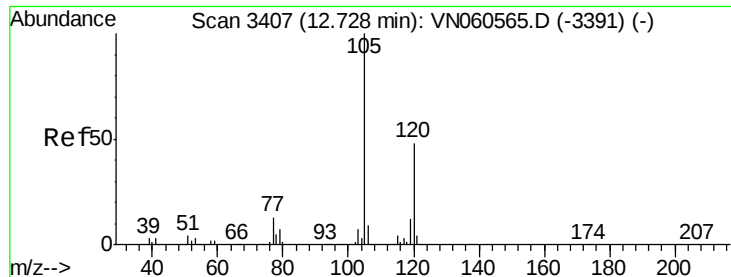
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.304 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

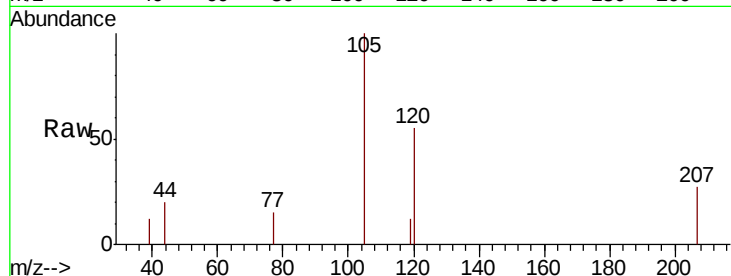
CG-SUB

Tot Ion:105 Resp: 2095

Ion Ratio Lower Upper

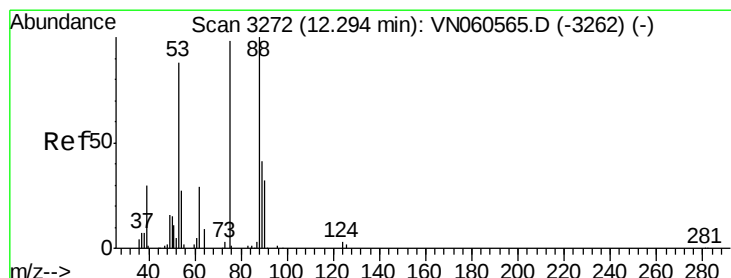
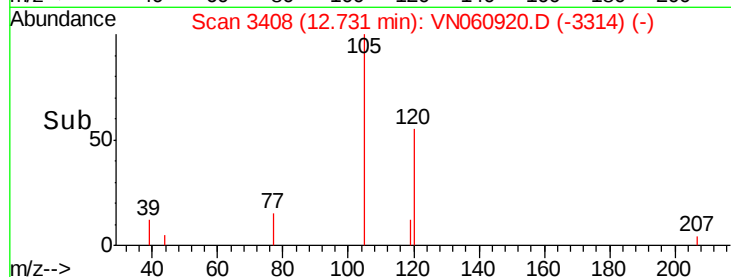
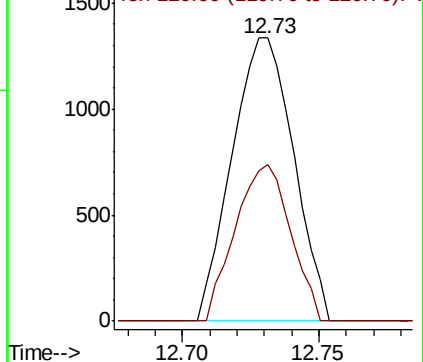
105 100

120 49.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.191 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

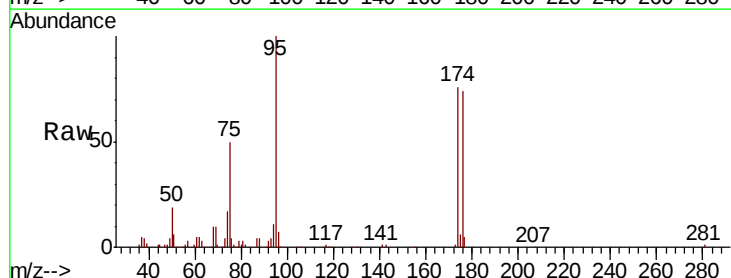
Tgt Ion: 75 Resp: 60175

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

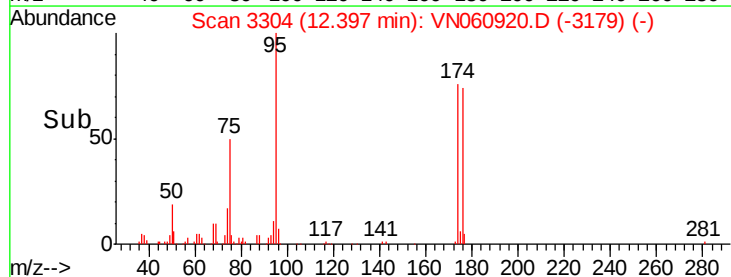
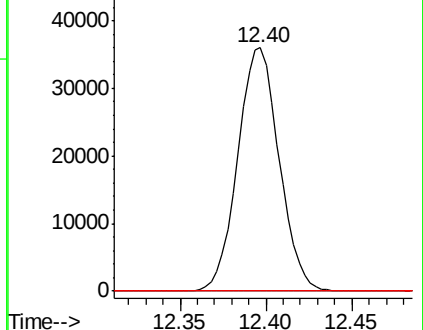
89 0.0 34.8 52.2#

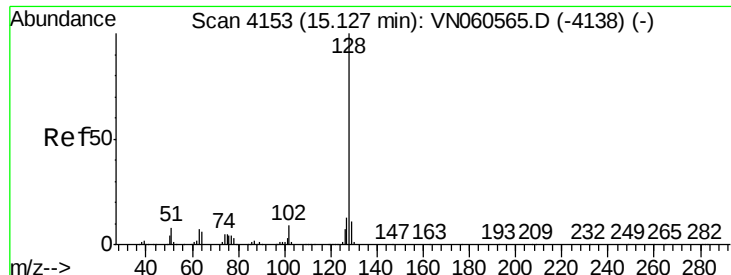


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V





#95

Naphthalene

Concen: 0.315 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN060920.D

Acq: 13 Apr 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

CG-SUB

Tot Ion:128 Resp: 1922

Ion Ratio Lower Upper

128 100

127 6.6 10.2 15.2#

129 0.0 8.8 13.2#

