

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060784.D
 Acq On : 31 Mar 2020 14:34
 Operator : JC/MD
 Sample : L1752-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:22:55 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	205507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	342278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133563	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	7.57	113	102900	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.08	98	425136	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	159781	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

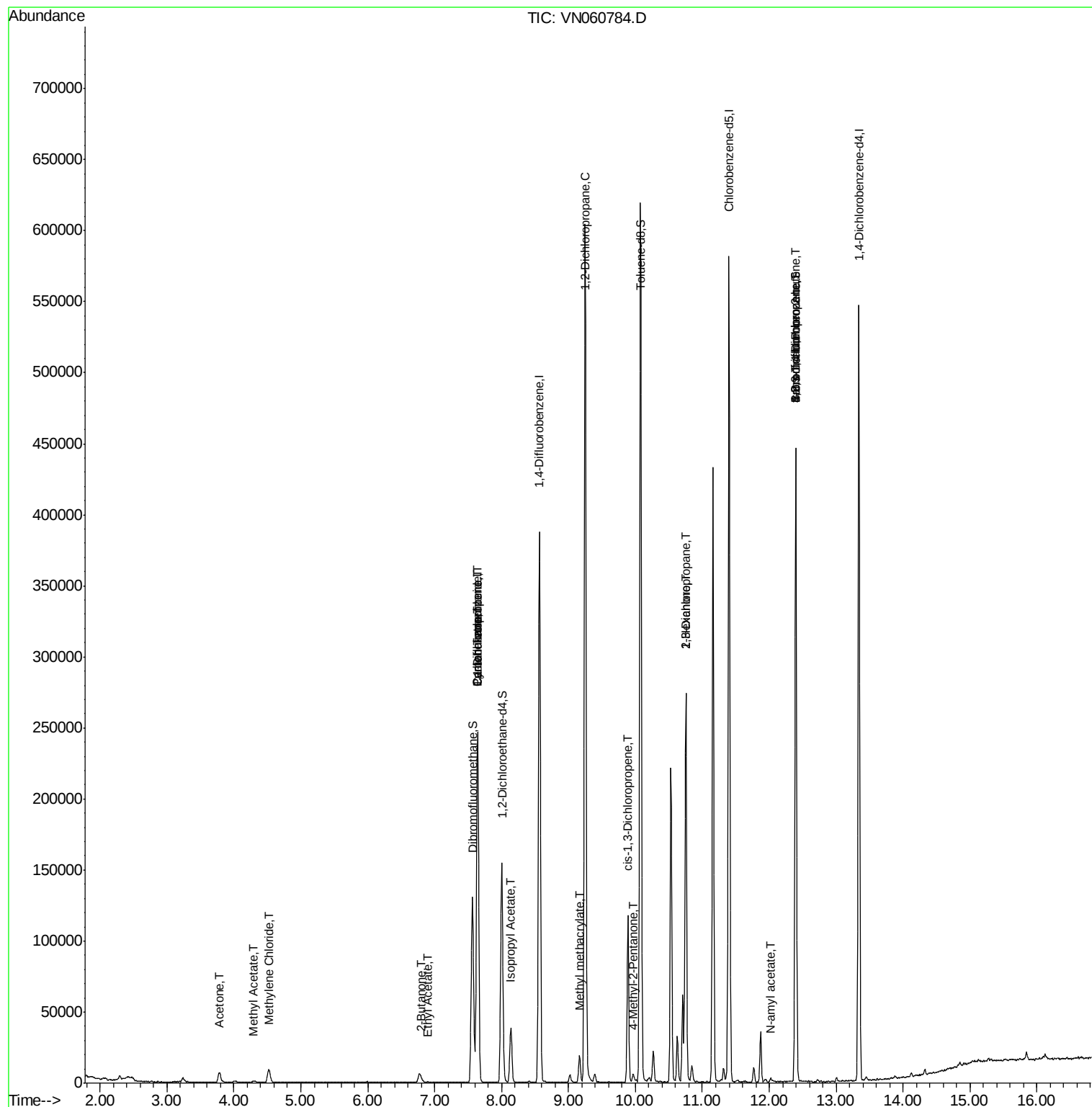
						Qvalue
16) Acetone	3.79	43	13175	13.184	ug/l	97
18) Methyl Acetate	4.29	43	1412	0.502	ug/l #	59
20) Methylene Chloride	4.53	84	6966	2.834	ug/l	98
25) 2-Butanone	6.80	43	2999	1.855	ug/l	92
31) Cyclohexane	7.64	56	4096	0.901	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15918	4.803	ug/l #	49
37) Ethyl Acetate	6.90	43	1120	0.313	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19849	6.682	ug/l #	17
43) Isopropyl Acetate	8.14	43	47110	7.977	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	612	0.232	ug/l #	43
48) Methyl methacrylate	9.16	41	2600	0.989	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3635	1.082	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	20346	4.868	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	2802	0.695	ug/l #	42
59) 2-Hexanone	10.75	43	42058	17.372	ug/l #	52
71) Bromoform	12.39	173	504	1.934	ug/l #	1
74) N-amyl acetate	12.02	43	2295	0.464	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	79704	25.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79704	66.551	ug/l #	13

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

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Quant Time: Apr 01 08:22:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

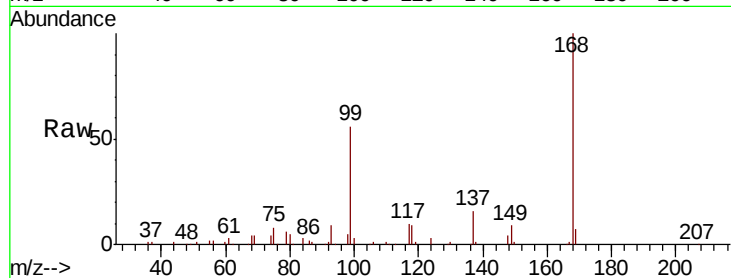
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 205507

Ion Ratio Lower Upper

168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

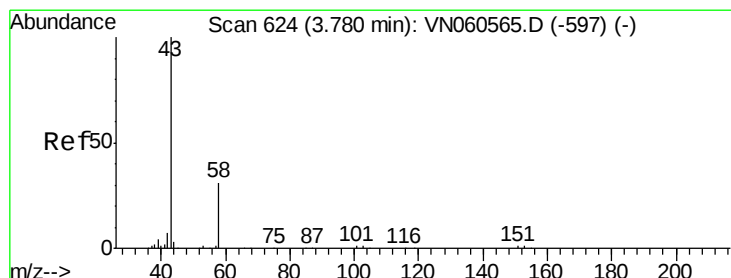
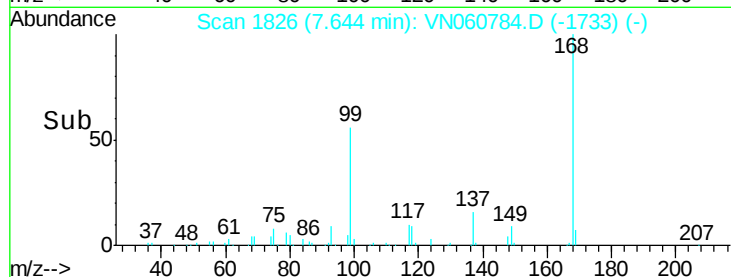
40000

20000

0

Time-->

7.60 7.70



#16

Acetone

Concen: 13.184 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060784.D

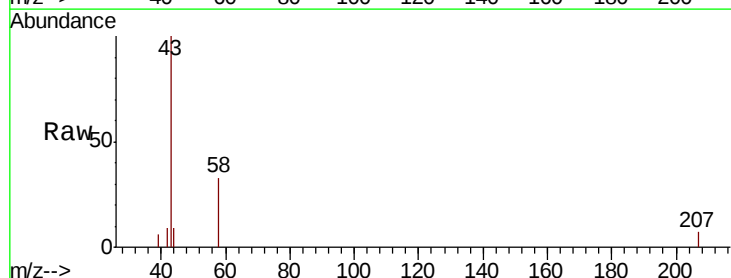
Acq: 31 Mar 2020 14:34

Tgt Ion: 43 Resp: 13175

Ion Ratio Lower Upper

43 100

58 33.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

5000

4000

3000

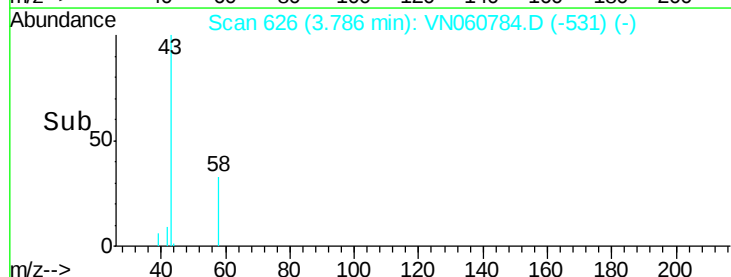
2000

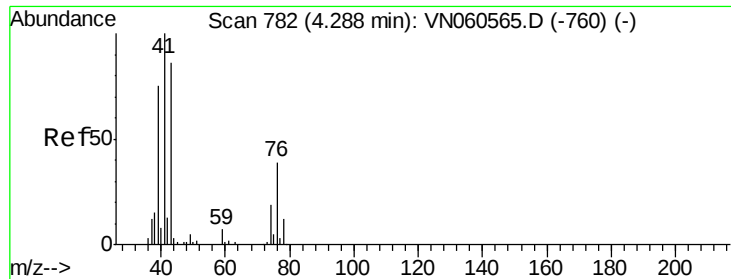
1000

0

Time-->

3.70 3.80 3.90

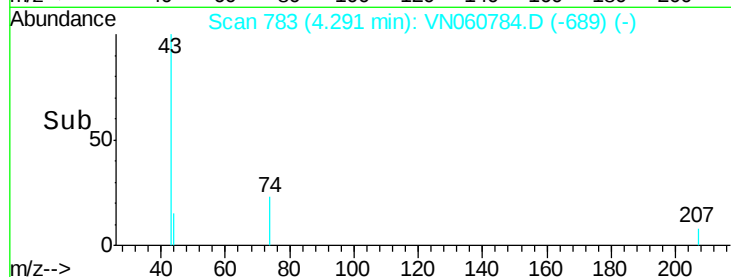
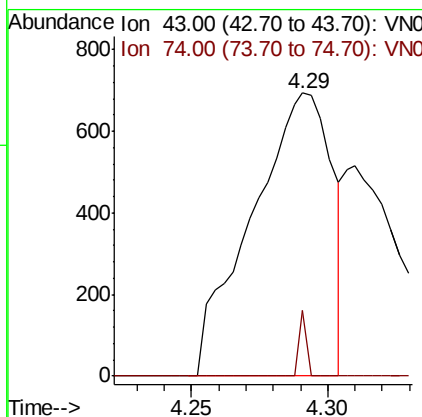
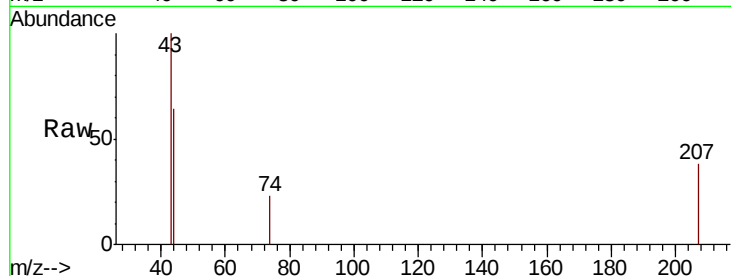




#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

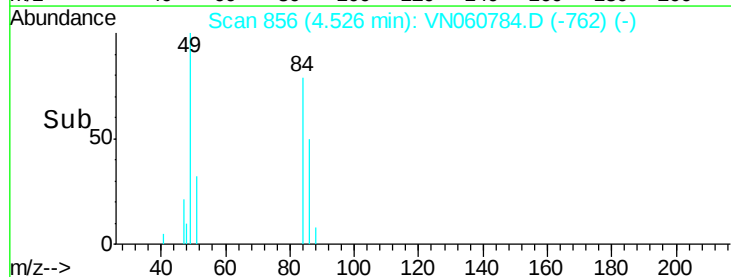
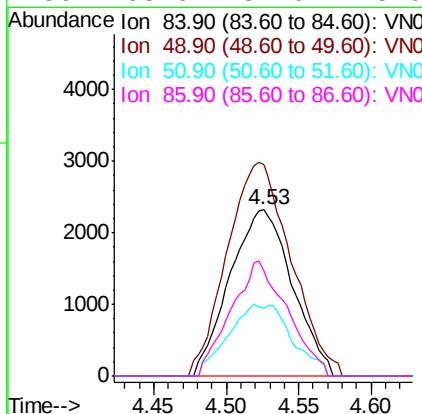
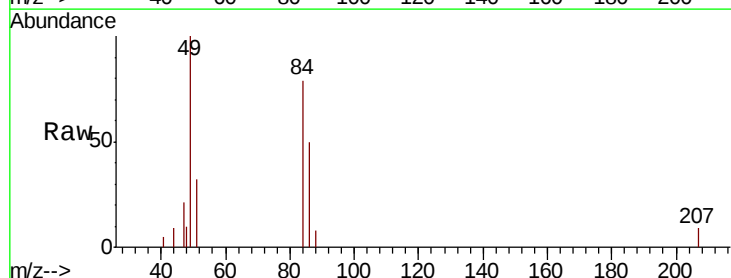
Instrument :
MSVOA_N
ClientSampled :

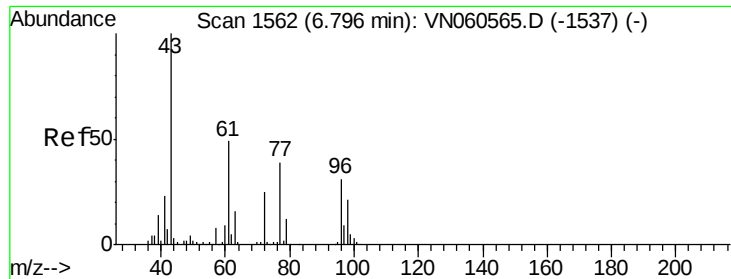
Tot Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 2.2 17.5 26.3#



#20
Methylene Chloride
Concen: 2.834 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

Tgt Ion: 84 Resp: 6966
Ion Ratio Lower Upper
84 100
49 127.2 103.3 154.9
51 40.8 31.6 47.4
86 63.6 52.0 78.0





#25

2-Butanone

Concen: 1.855 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

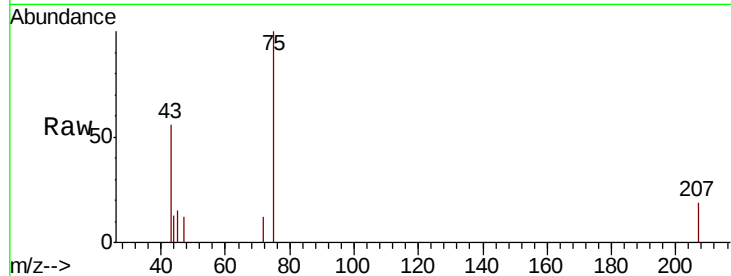
ClientSampleId :

Tot Ion: 43 Resp: 2999

Ion Ratio Lower Upper

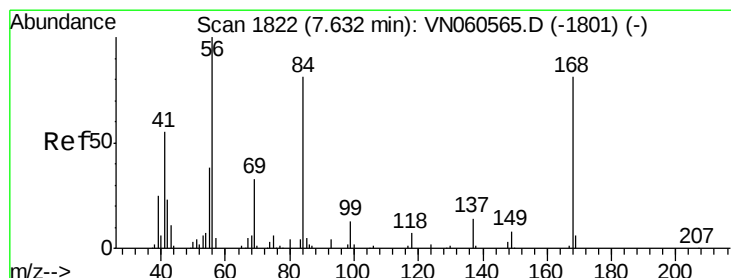
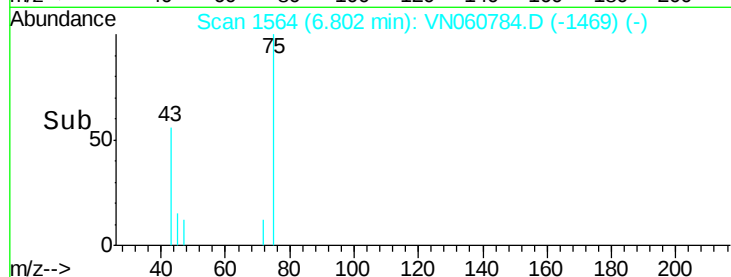
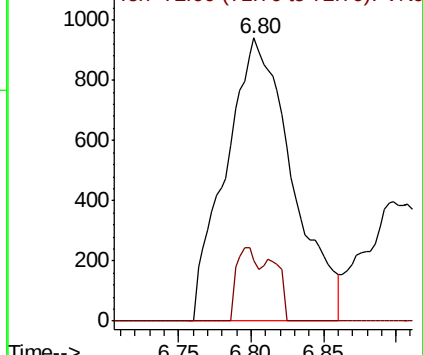
43 100

72 21.5 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.901 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

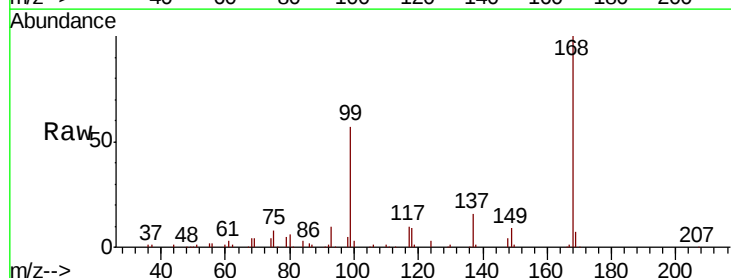
Tgt Ion: 56 Resp: 4096

Ion Ratio Lower Upper

56 100

69 174.5 26.6 40.0#

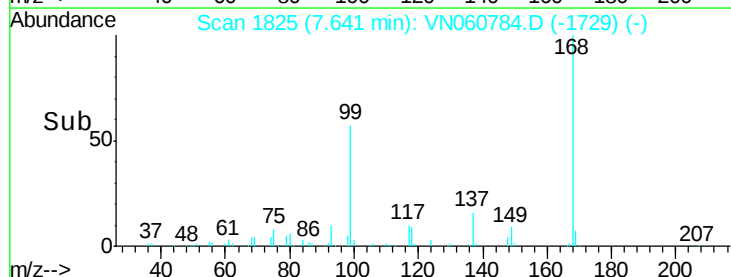
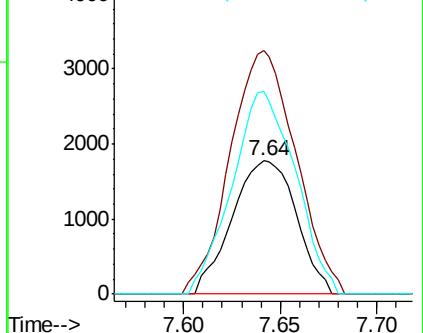
84 152.8 64.3 96.5#



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

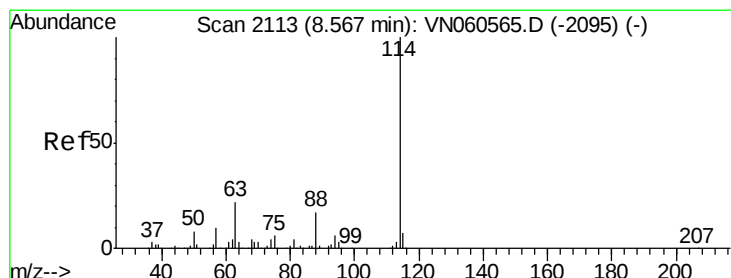
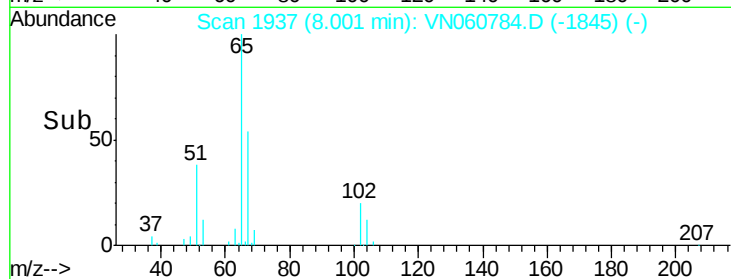
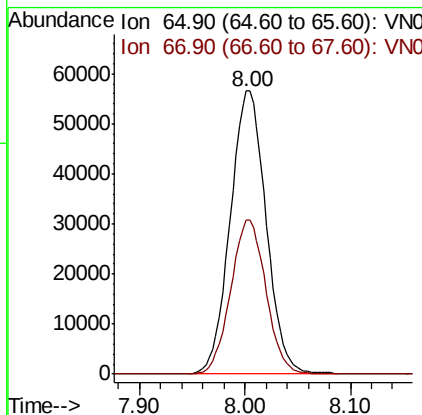
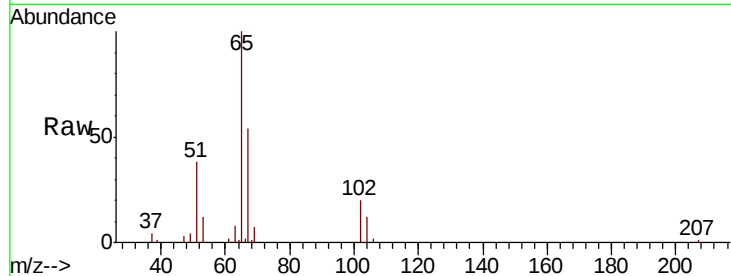




#33
 1,2-Dichloroethane-d4
 Concen: 47.344 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

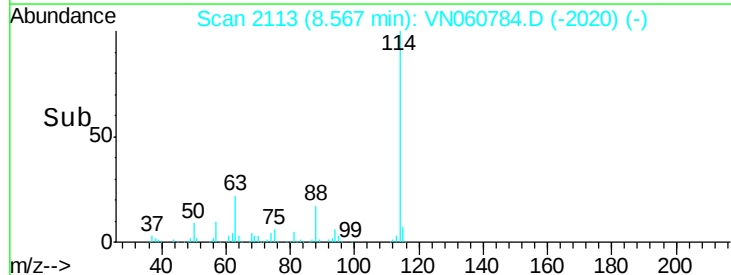
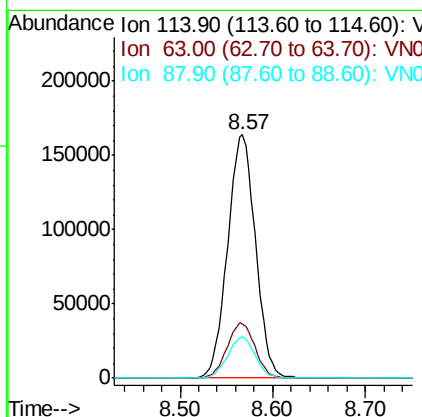
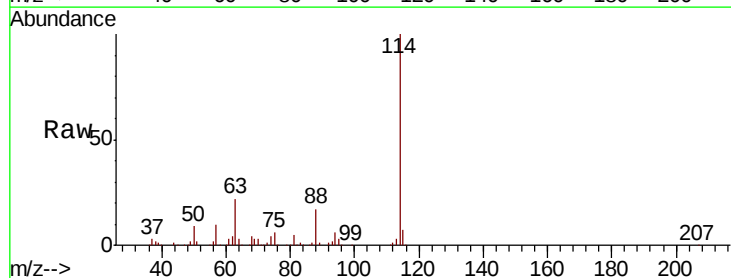
Instrument :
 MSVOA_N
 ClientSampled :

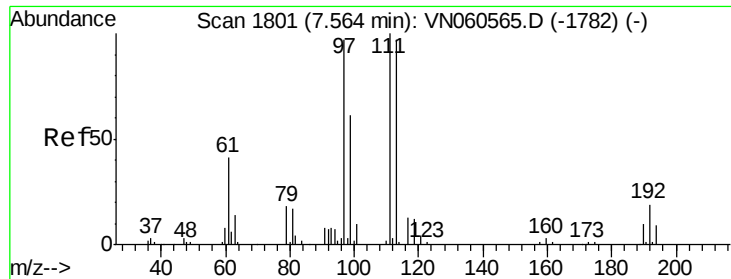
Tot Ion: 65 Resp: 133563
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

Tgt Ion: 114 Resp: 342278
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.7 0.0 33.0

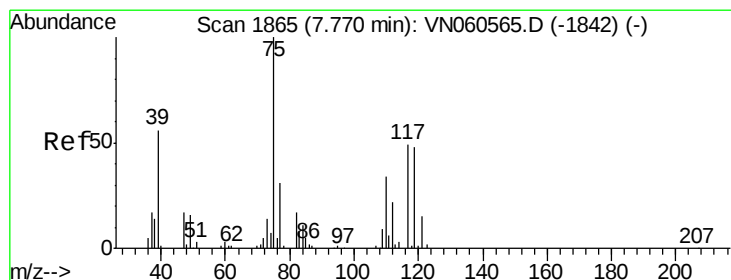
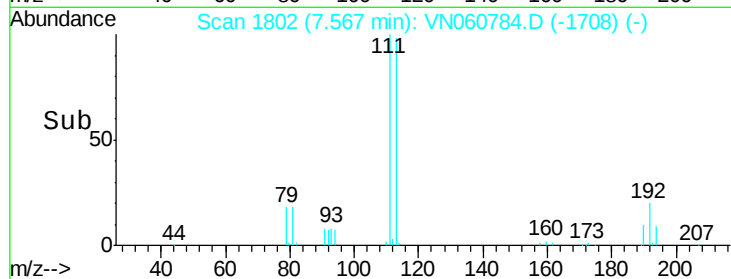
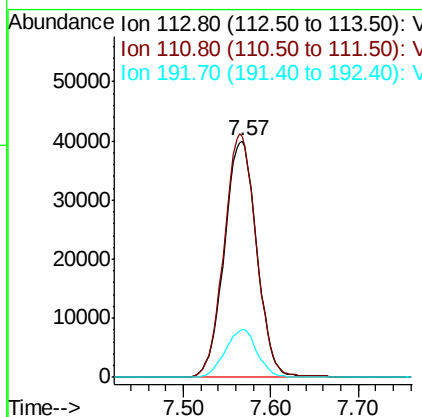
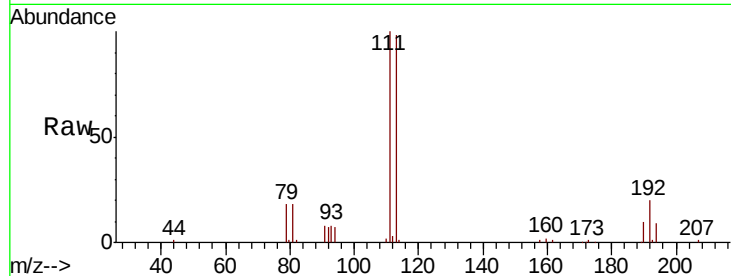




#35
 Dibromofluoromethane
 Concen: 49.719 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

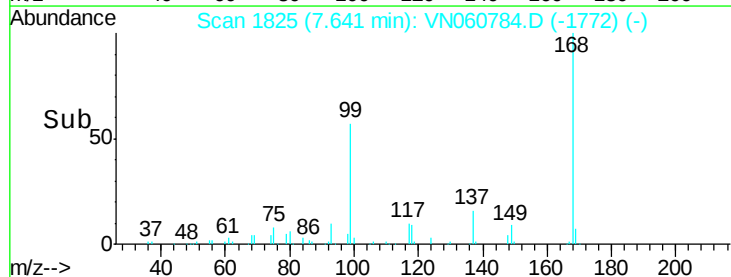
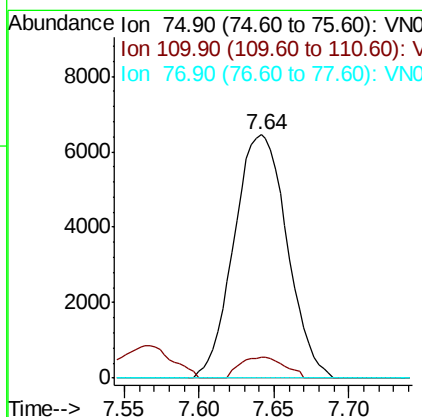
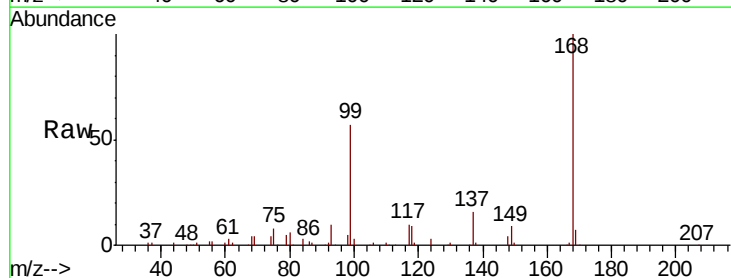
Instrument :
 MSVOA_N
 ClientSampled :

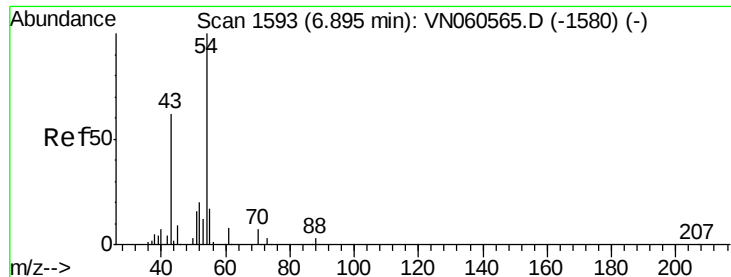
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.9	50.6#
77	0.0	24.6	36.8#

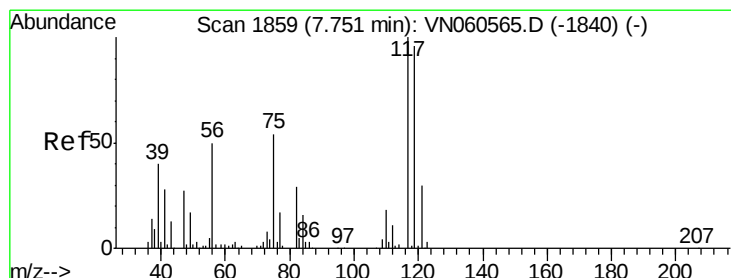
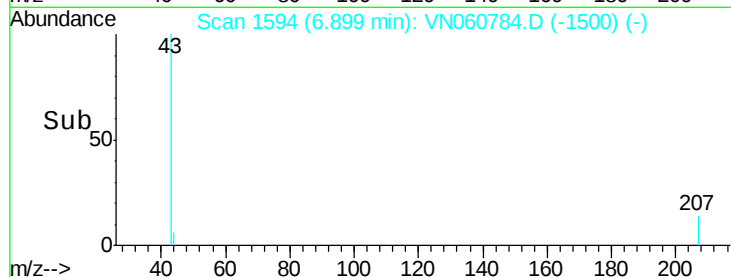
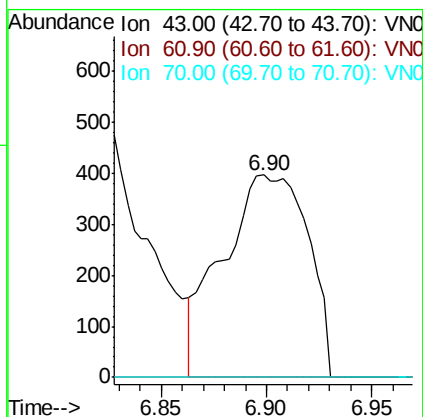
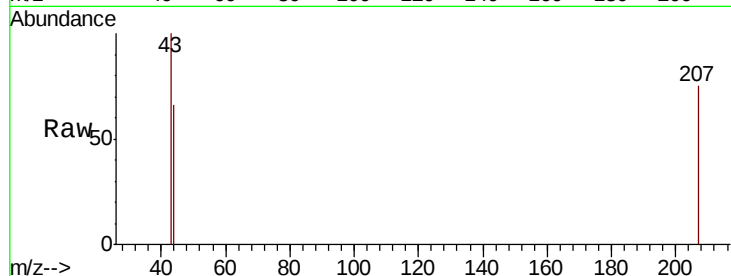




#37
Ethyl Acetate
Concen: 0.313 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

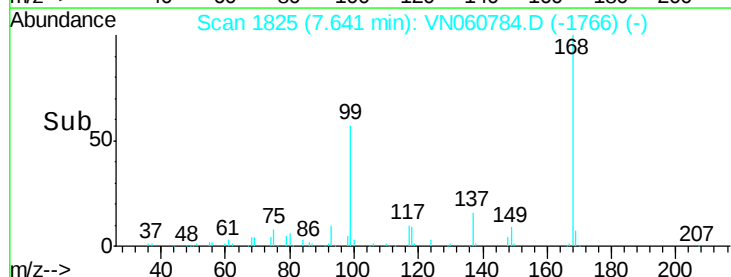
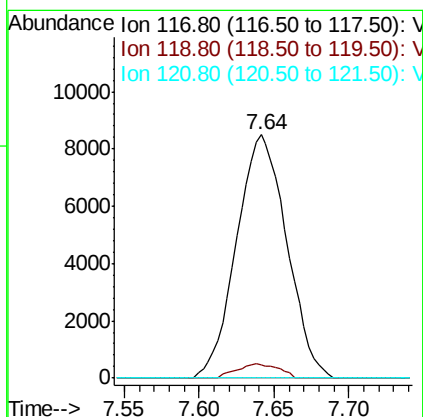
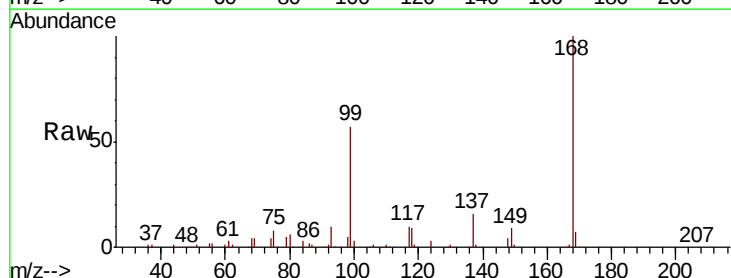
Instrument :
MSVOA_N
ClientSampled :

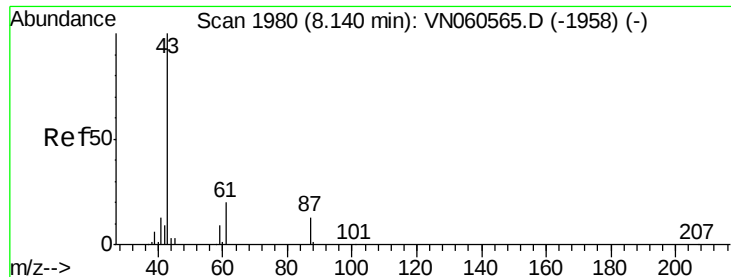
Tot Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

Tgt Ion: 117 Resp: 19849
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#

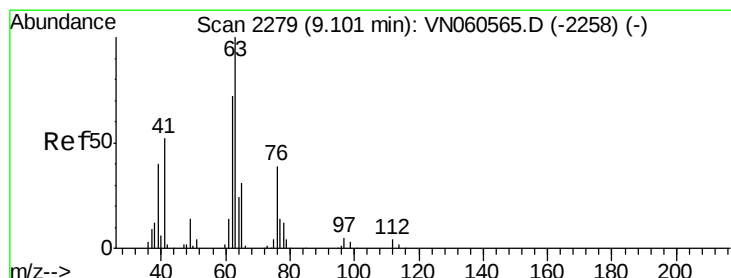
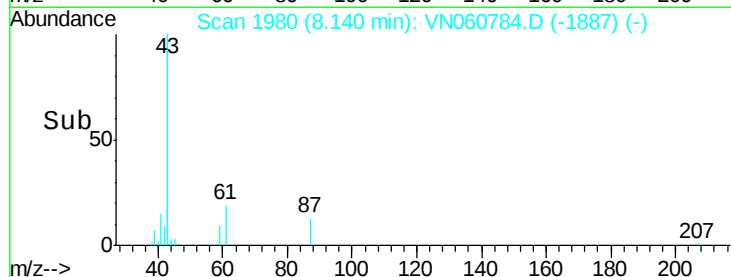
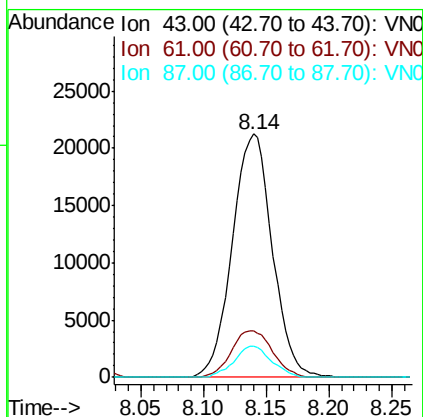
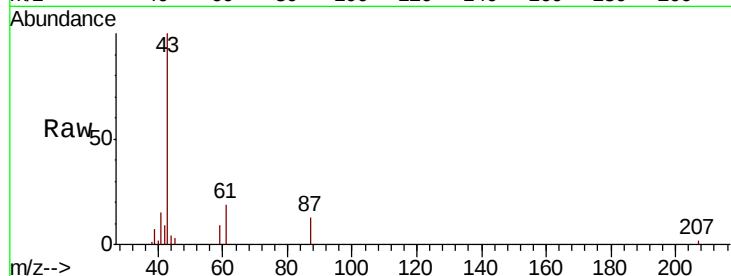




#43
Isopropyl Acetate
Concen: 7.977 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

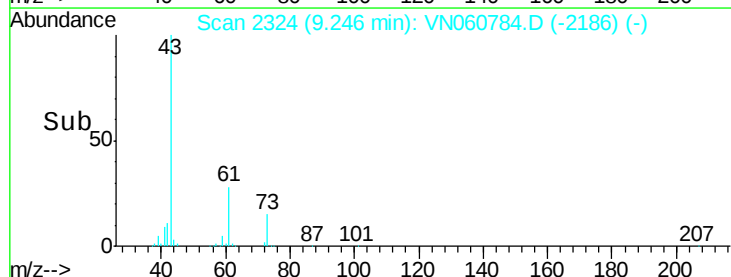
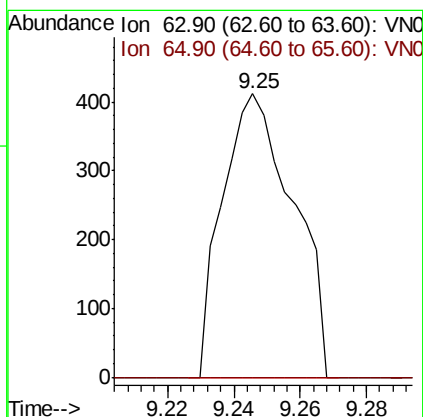
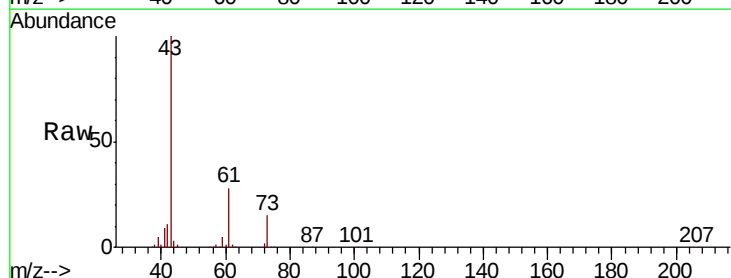
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 47110
Ion Ratio Lower Upper
43 100
61 19.6 20.7 31.1#
87 12.0 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.232 ug/l
RT: 9.25 min Scan# 2324
Delta R.T. 0.14 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

Tgt Ion: 63 Resp: 612
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#

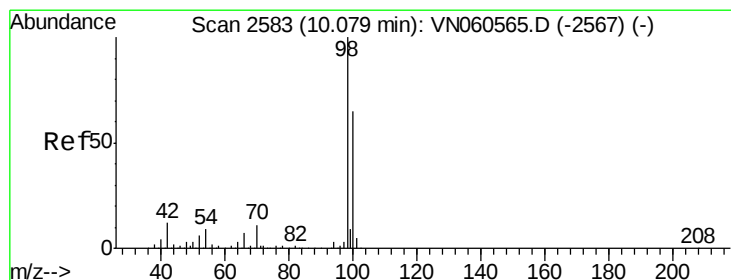
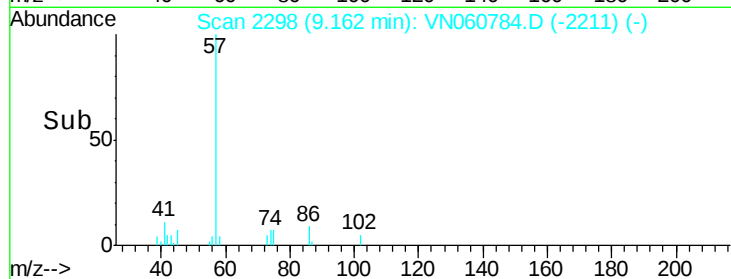
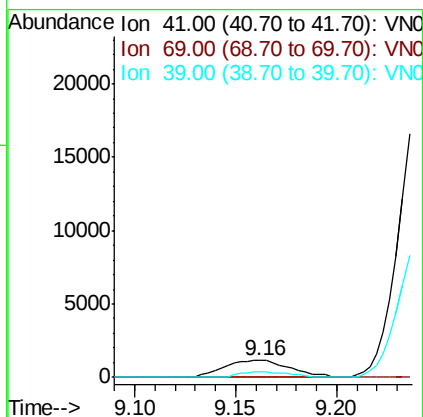
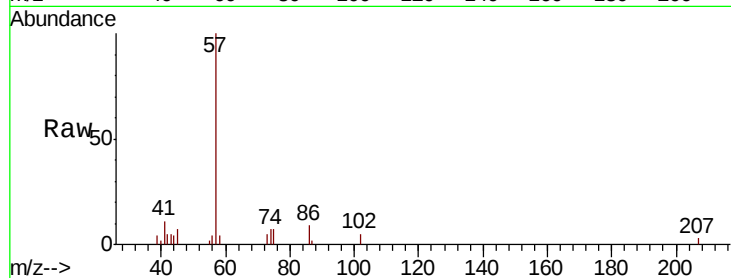




#48
Methvl methacrylate
Concen: 0.989 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

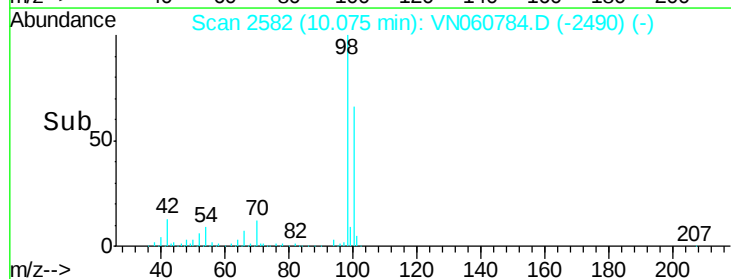
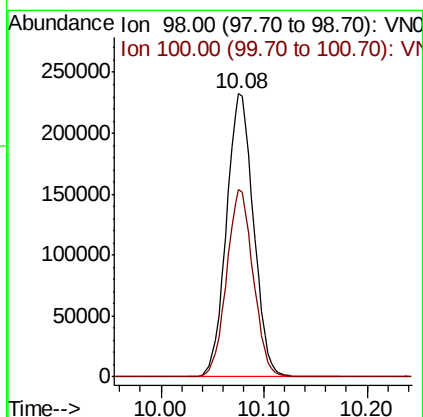
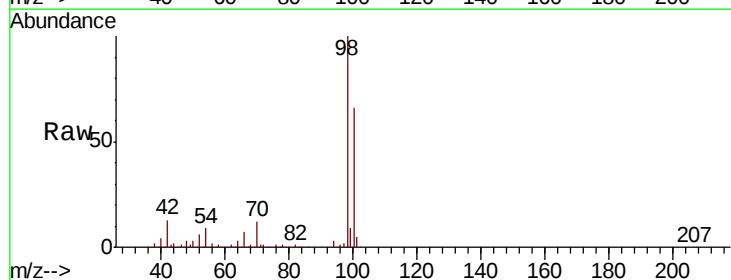
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2600
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.290 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060784.D
Acq: 31 Mar 2020 14:34

Tgt Ion: 98 Resp: 425136
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

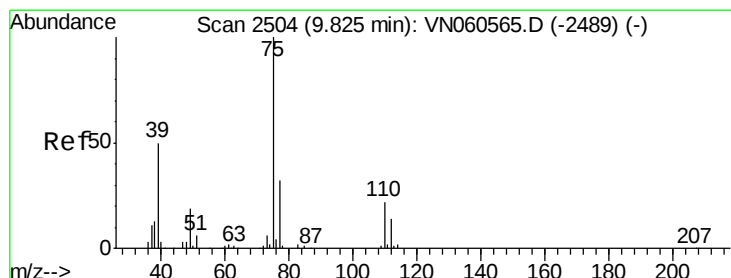
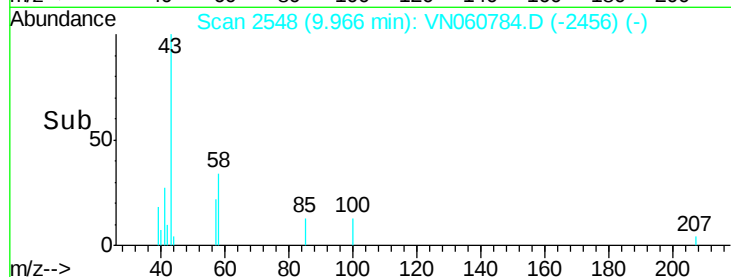
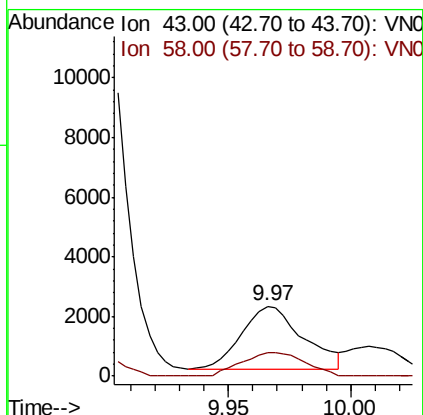
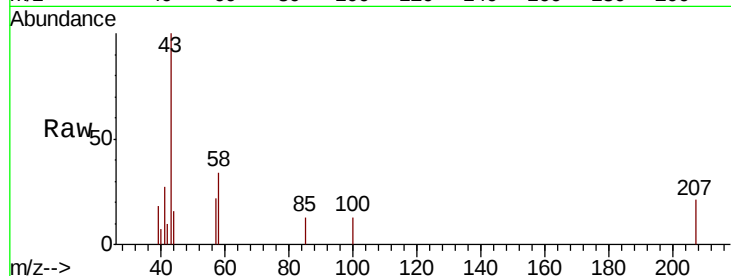




#51
 4-Methyl-2-Pentanone
 Concen: 1.082 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

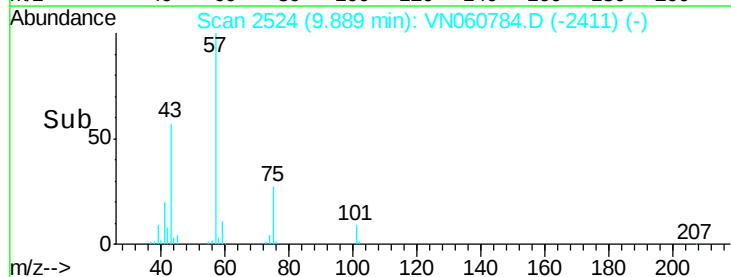
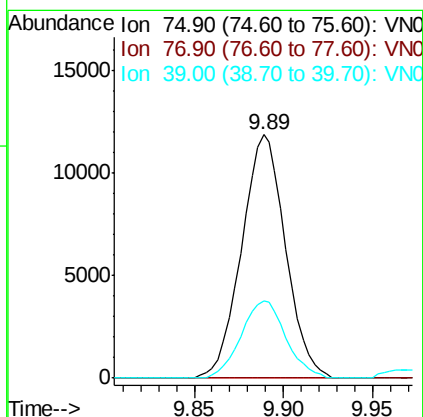
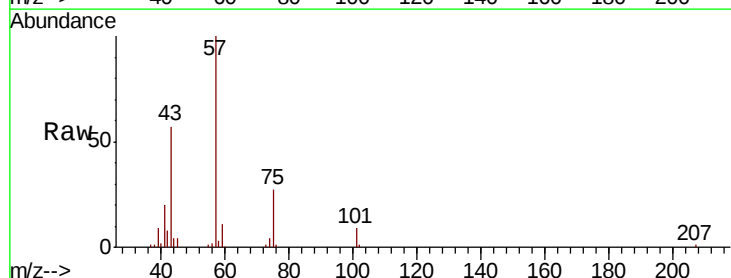
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 3635
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.868 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060784.D
 Acq: 31 Mar 2020 14:34

Tgt Ion: 75 Resp: 20346
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 31.7 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.695 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

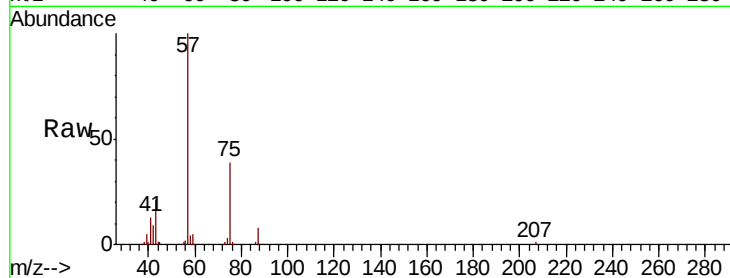
ClientSampleId :

Tot Ion: 76 Resp: 2802

Ion Ratio Lower Upper

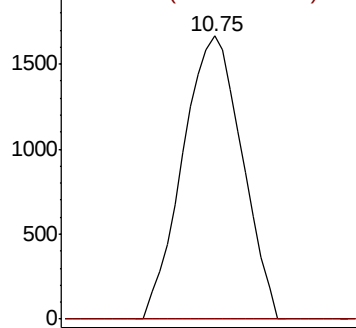
76 100

78 0.0 25.8 38.6#

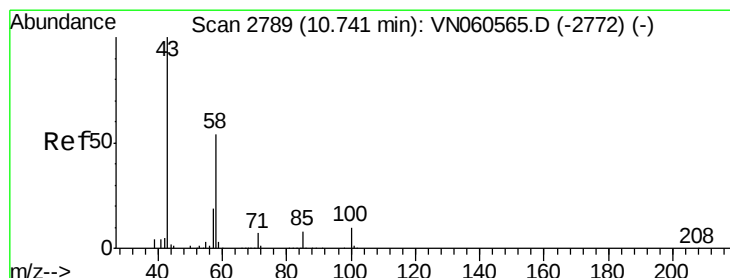
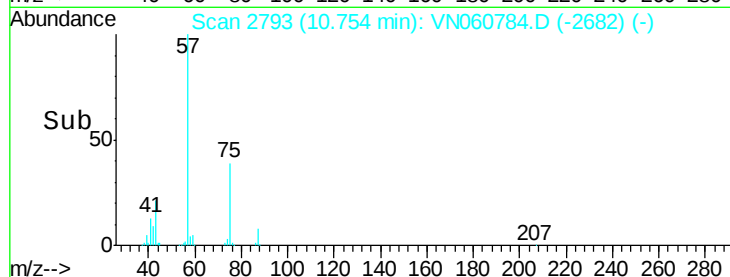


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 17.372 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060784.D

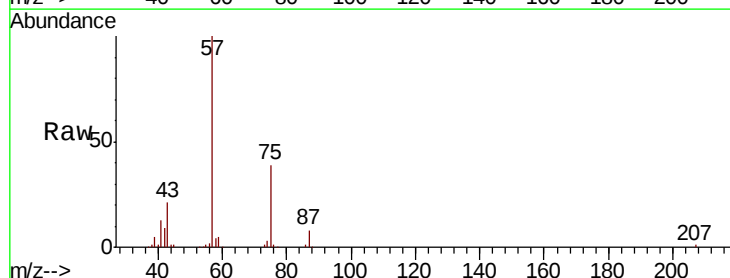
Acq: 31 Mar 2020 14:34

Tgt Ion: 43 Resp: 42058

Ion Ratio Lower Upper

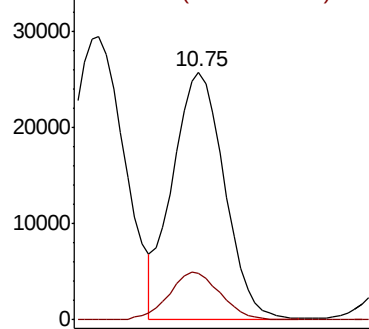
43 100

58 19.0 26.7 80.1#

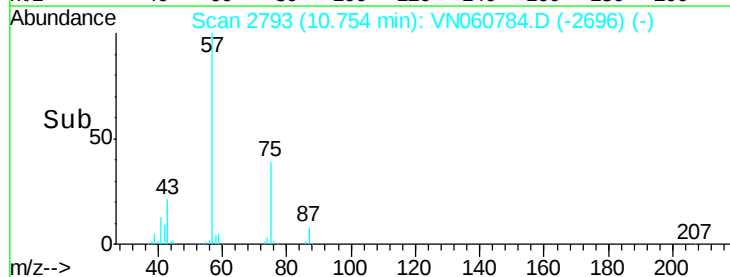


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 51.573 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

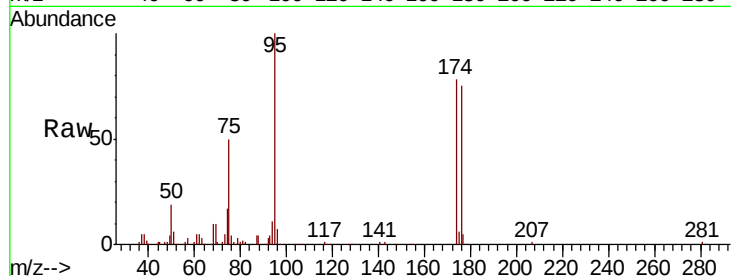
Tot Ion: 95 Resp: 159781

Ion Ratio Lower Upper

95 100

174 76.8 0.0 157.6

176 74.6 0.0 150.6

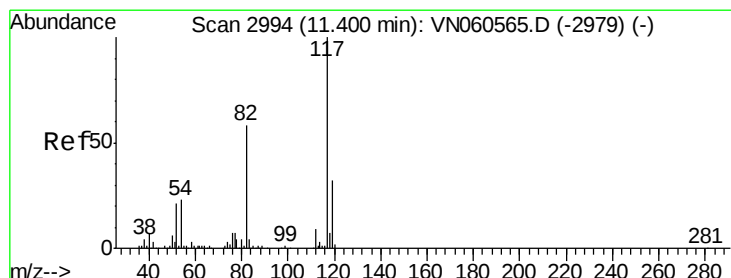
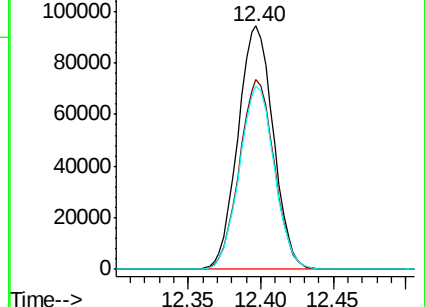
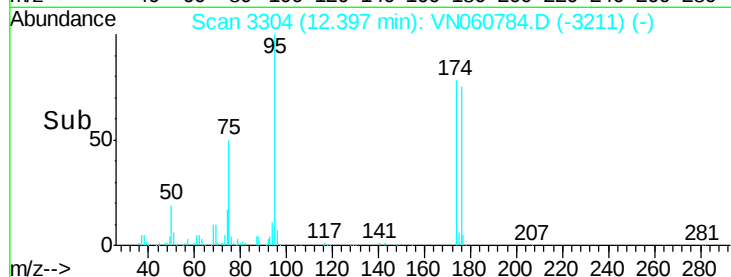


Abundance Ion 94.90 (94.60 to 95.60): VN060784.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060784.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060784.D (-3290) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

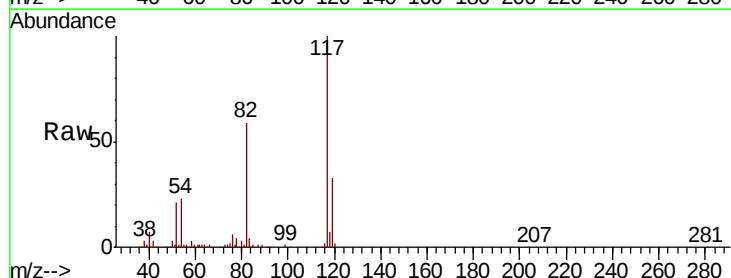
Tgt Ion: 117 Resp: 322536

Ion Ratio Lower Upper

117 100

82 58.6 46.7 70.1

119 32.9 25.5 38.3

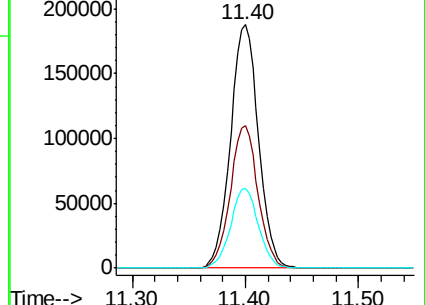
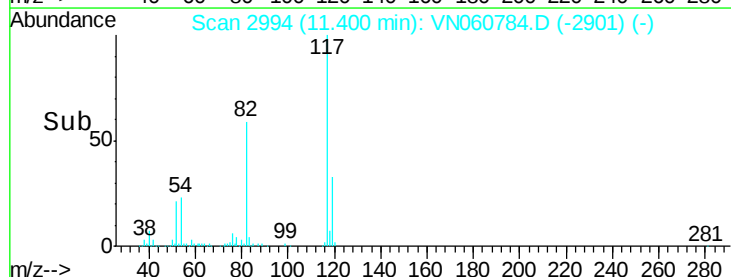


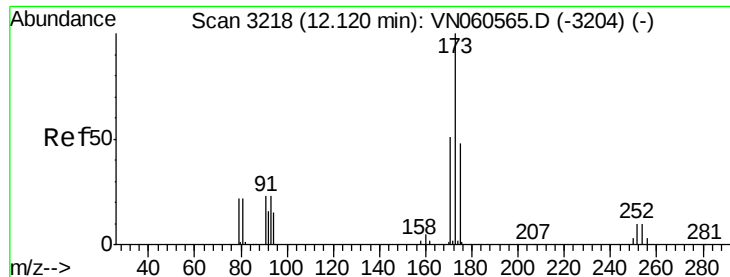
Abundance Ion 116.90 (116.60 to 117.60): VN060784.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060784.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060784.D (-2979) (-)

11.40





#71

Bromoform

Concen: 1.934 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

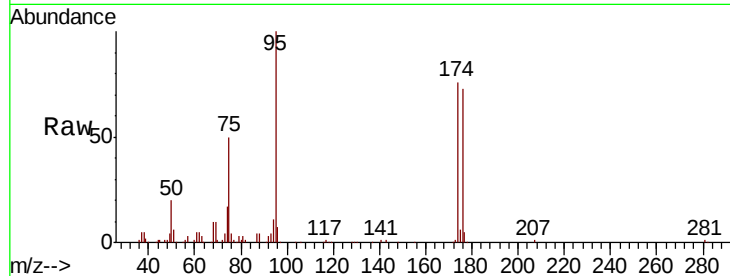
Tot Ion:173 Resp: 504

Ion Ratio Lower Upper

173 100

175 1529.2 24.1 72.4#

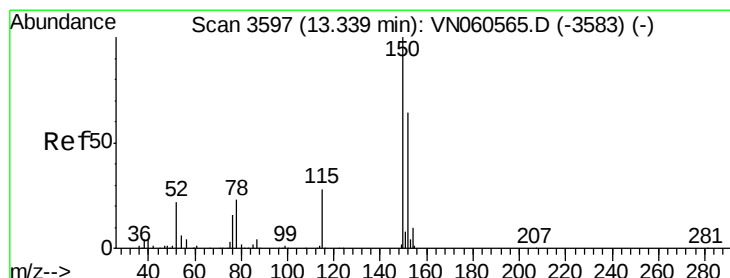
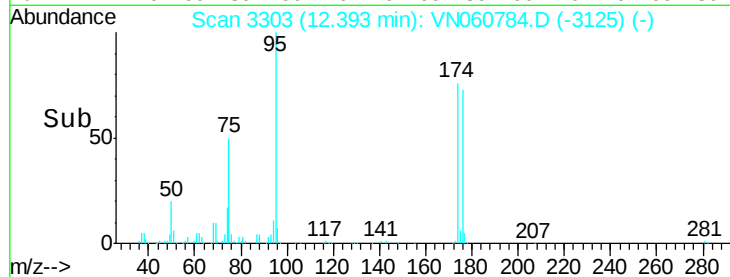
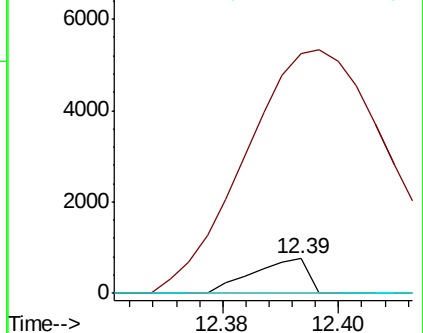
254 0.0 0.0 0.0



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: VN060784.D

Acq: 31 Mar 2020 14:34

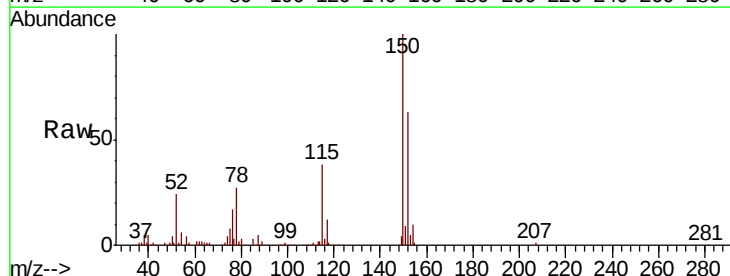
Tgt Ion:152 Resp: 142547

Ion Ratio Lower Upper

152 100

115 60.2 30.2 90.6

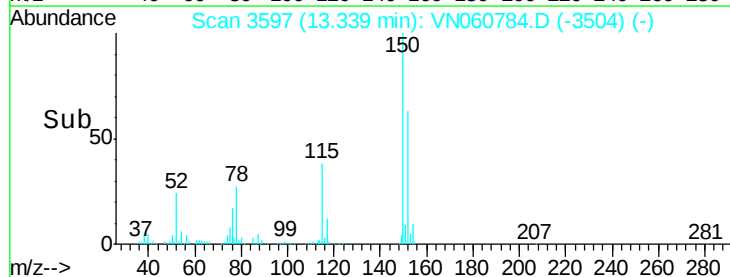
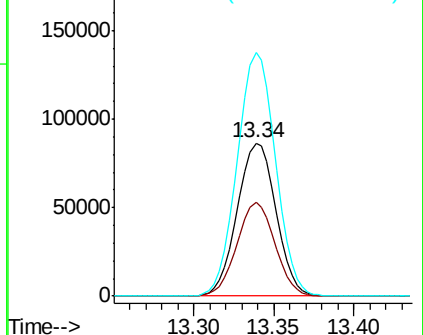
150 157.4 0.0 350.2



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: 0.464 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2295

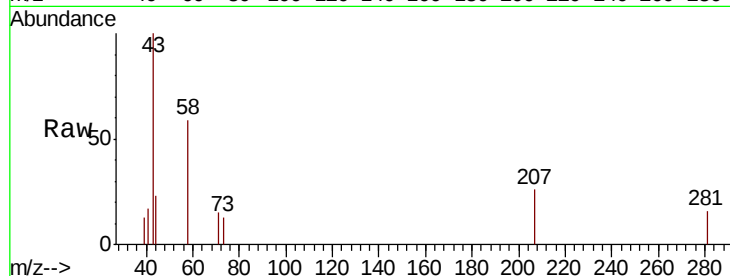
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

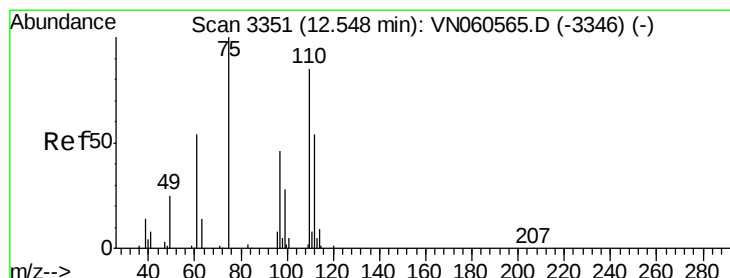
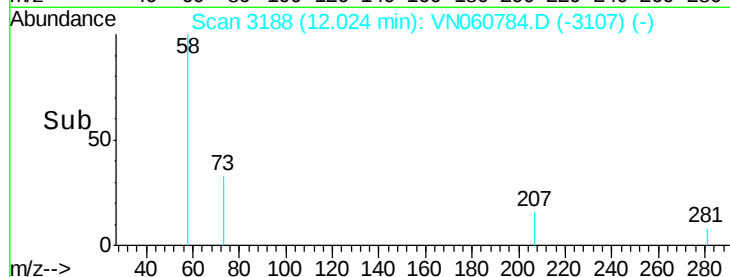
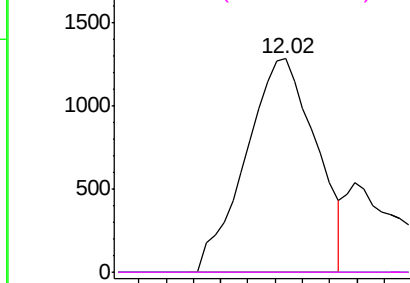


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 25.913 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060784.D

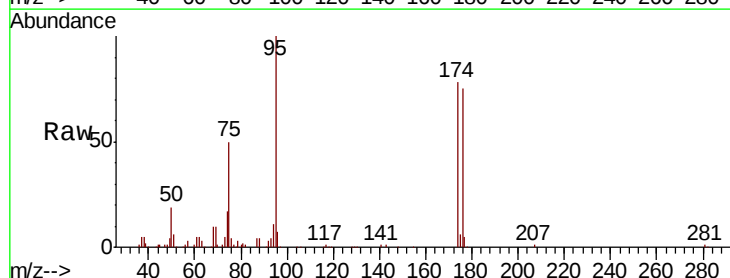
Acq: 31 Mar 2020 14:34

Tgt Ion: 75 Resp: 79704

Ion Ratio Lower Upper

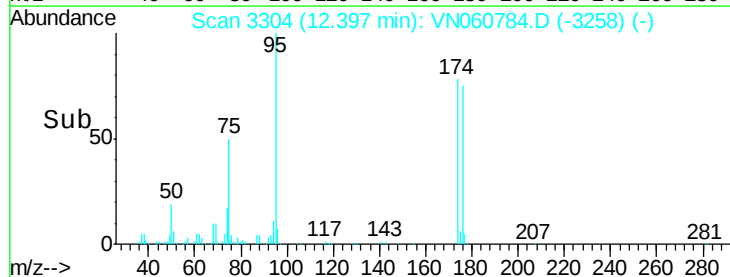
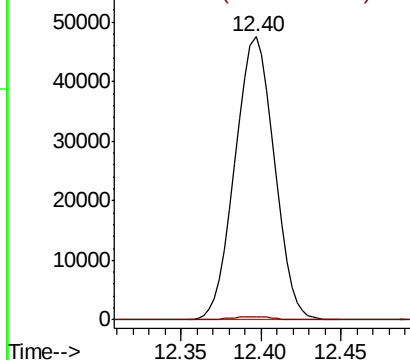
75 100

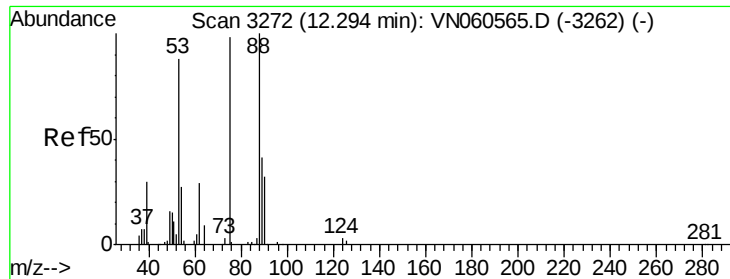
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 66.551 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060784.D

Acq: 31 Mar 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

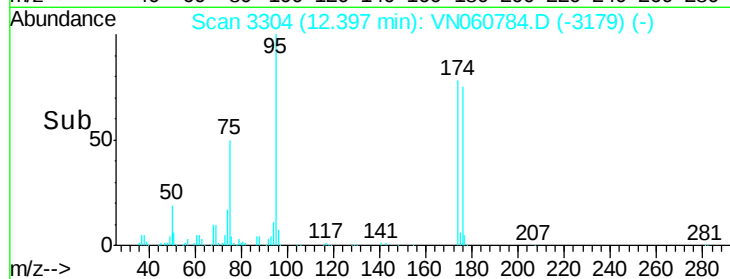
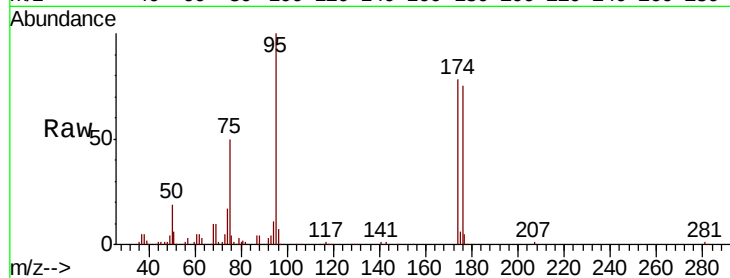
Tot Ion: 75 Resp: 79704

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): VN060784.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060784.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060784.D (-3179) (-)

