

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060821.D
 Acq On : 2 Apr 2020 14:27
 Operator : JC/MD
 Sample : L2018-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:42:41 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	199304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	131380	48.02	ug/l	0.00
Spiked Amount						
			Recovery	=	96.04%	
35) Dibromofluoromethane	7.56	113	99842	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	
50) Toluene-d8	10.08	98	407722	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	154560	51.24	ug/l	0.00
Spiked Amount						
			Recovery	=	102.48%	

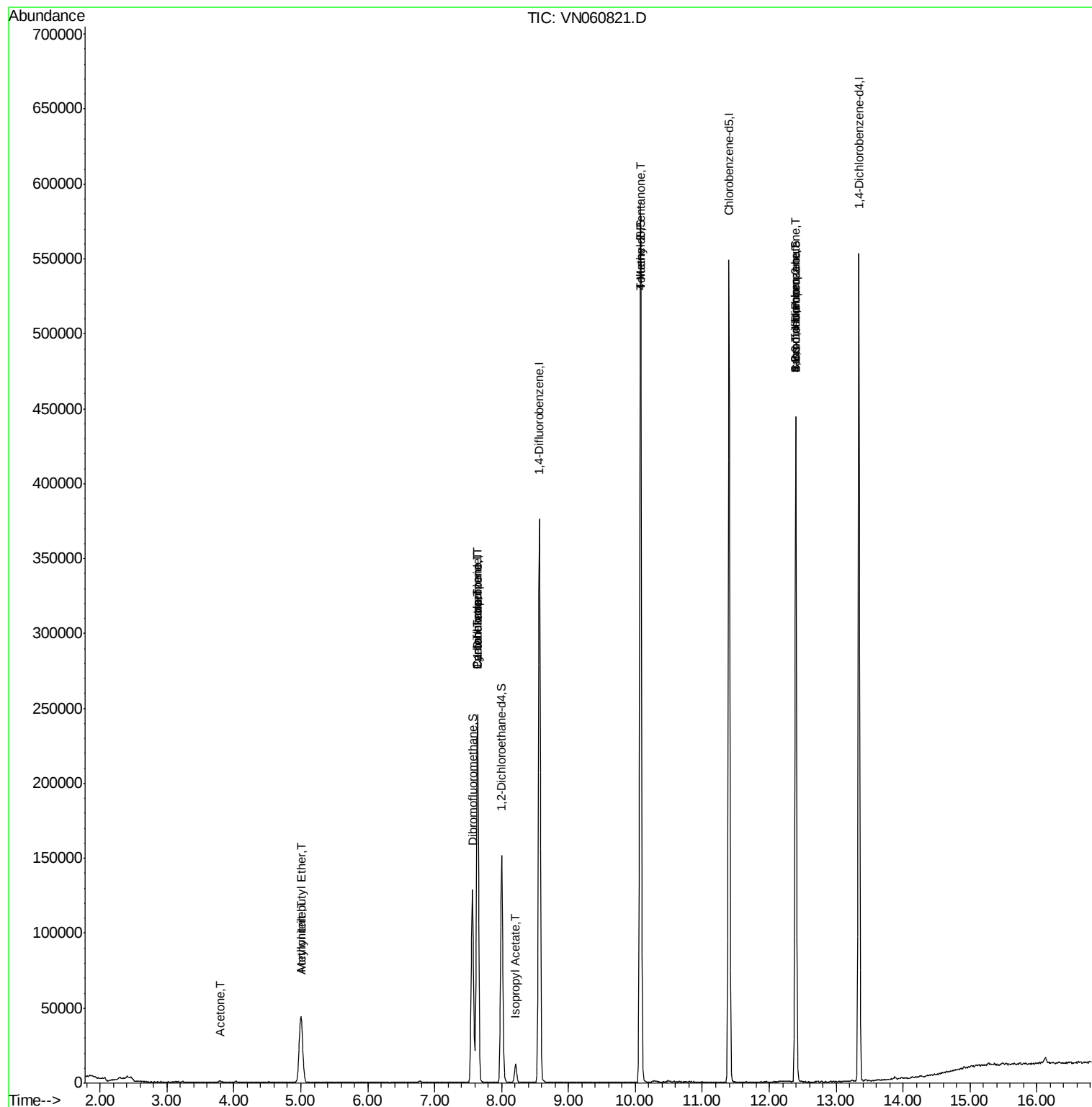
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	5.02	53	598	0.505	ug/l #	29
16) Acetone	3.79	43	1881	1.941	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	78179	10.538	ug/l	100
31) Cyclohexane	7.64	56	4159	0.944	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15341	4.754	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19168	6.628	ug/l #	17
43) Isopropyl Acetate	8.21	43	4205	0.731	ug/l #	21
51) 4-Methyl-2-Pentanone	10.08	43	1805	0.552	ug/l #	1
71) Bromoform	12.39	173	293	1.832	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	77445	24.974	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77445	64.141	ug/l #	13

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

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MSVOA_N
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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# 1825

Delta R.T. -0.00 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

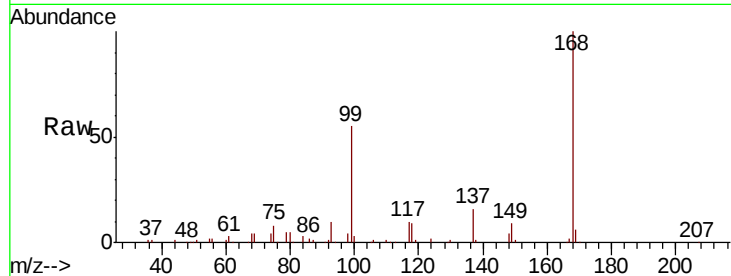
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 199304

Ion Ratio Lower Upper

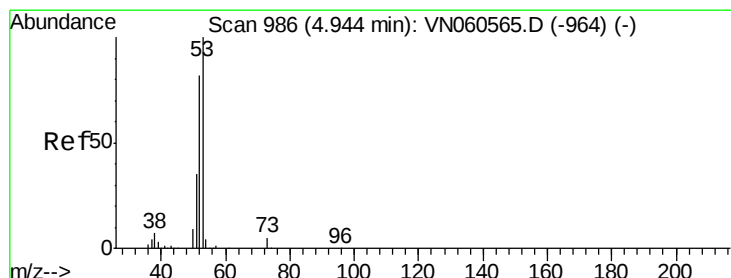
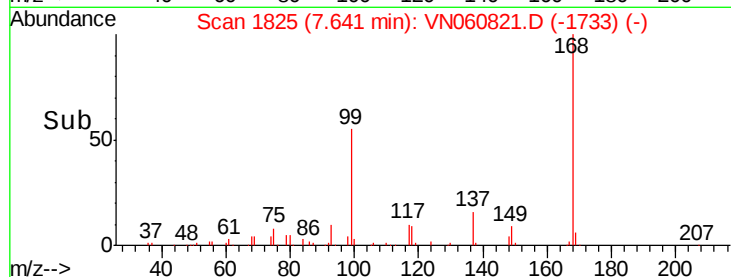
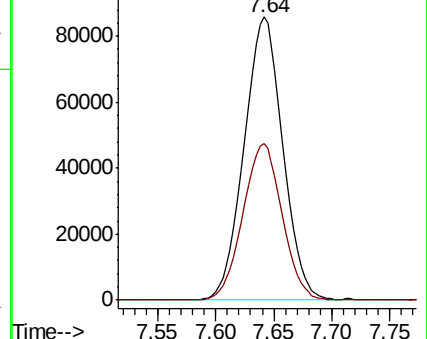
168 100

99 55.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#15

Acrylonitrile

Concen: 0.505 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.07 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

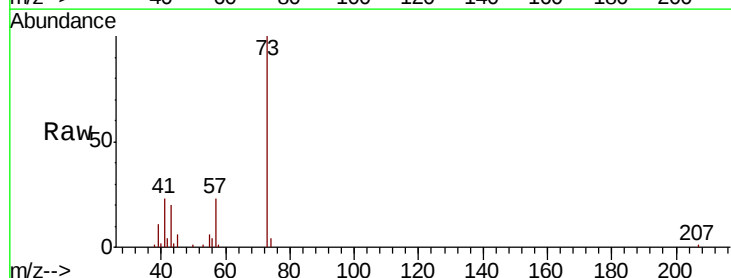
Tgt Ion: 53 Resp: 598

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.4#

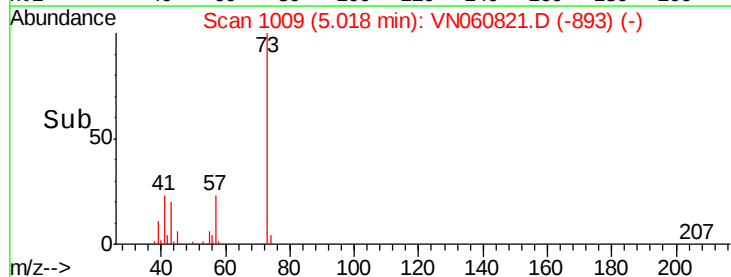
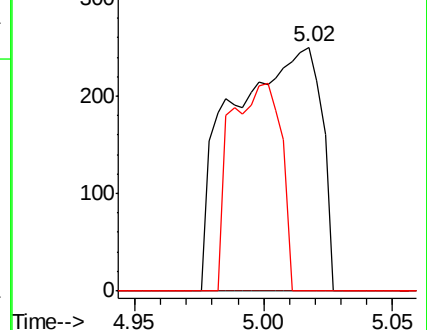
51 48.5 28.7 43.1#

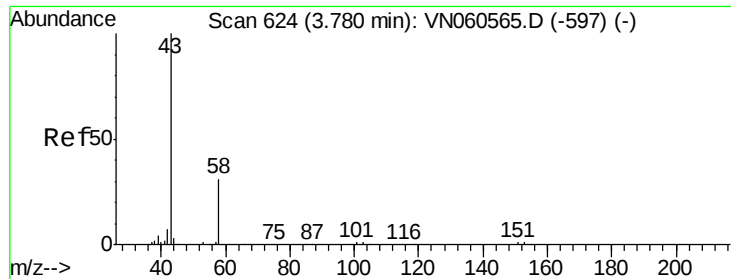


Abundance Ion 53.00 (52.70 to 53.70): VN

Ion 52.00 (51.70 to 52.70): VN

Ion 51.00 (50.70 to 51.70): VN

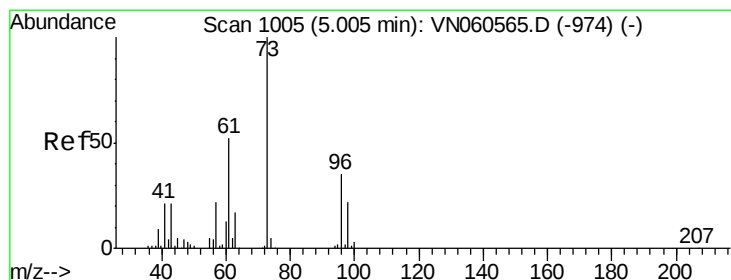
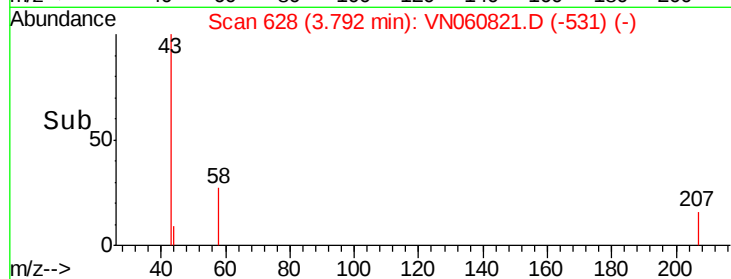
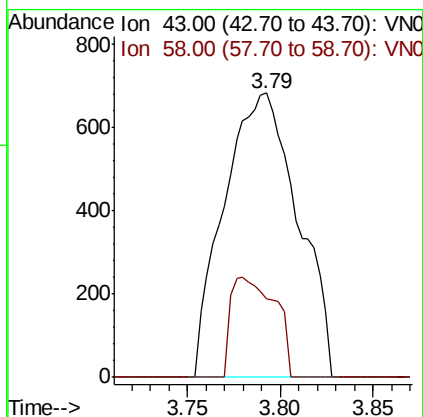
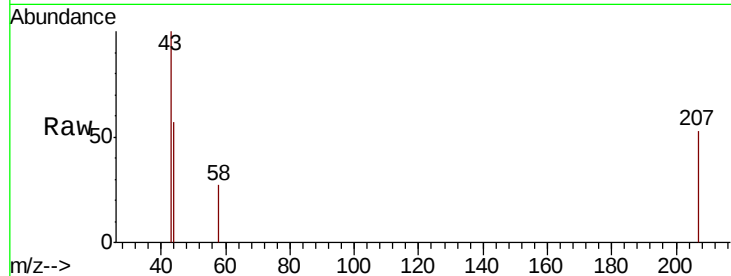




#16
Acetone
Concen: 1.941 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

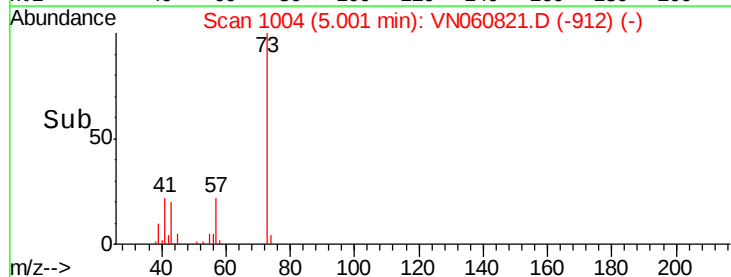
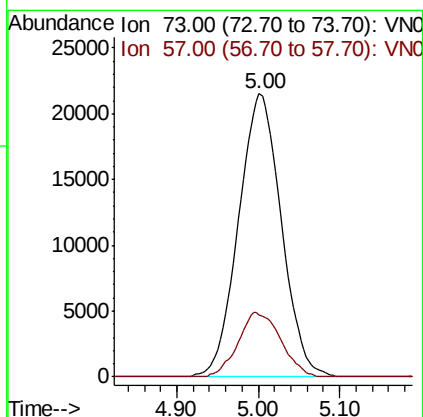
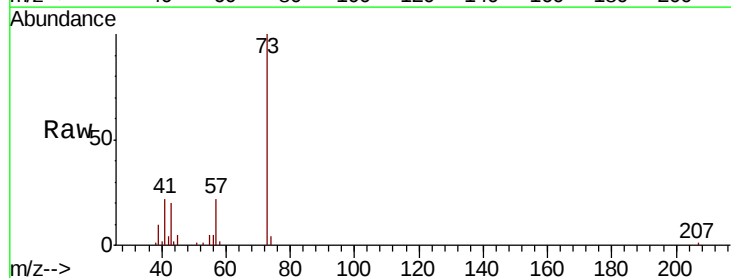
Instrument :
MSVOA_N
ClientSampleId :

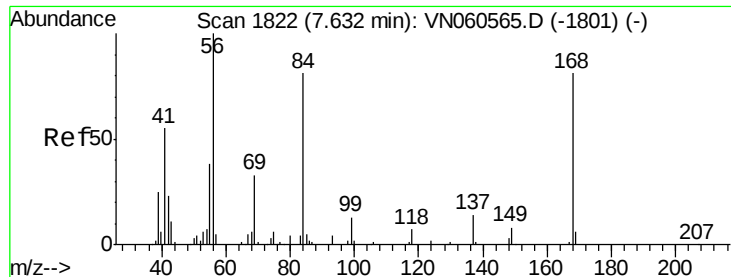
Tot Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 27.2 25.1 37.7



#19
Methyl tert-butyl Ether
Concen: 10.538 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Tgt Ion: 73 Resp: 78179
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

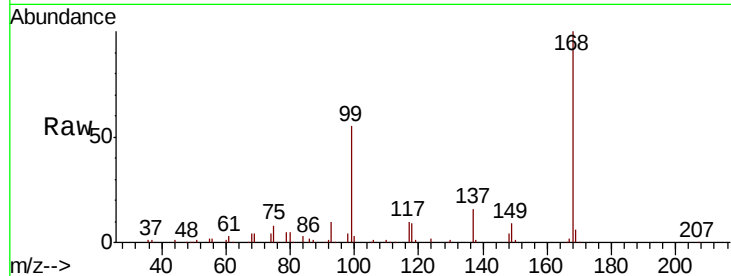




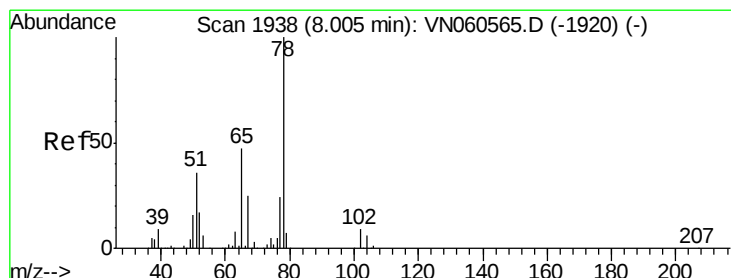
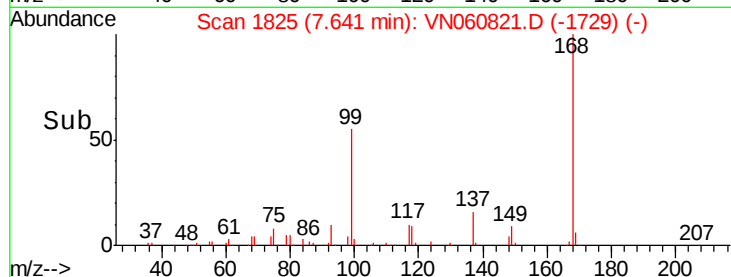
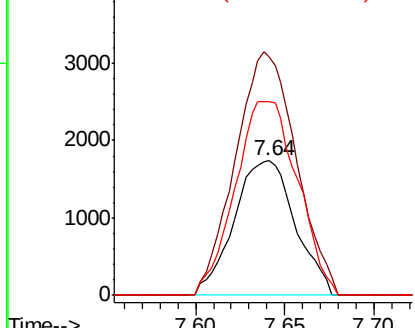
#31
Cyclohexane
Concen: 0.944 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 177.7 26.6 40.0#
84 143.6 64.3 96.5#

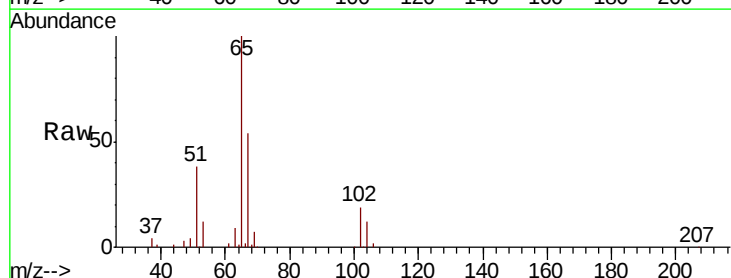


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

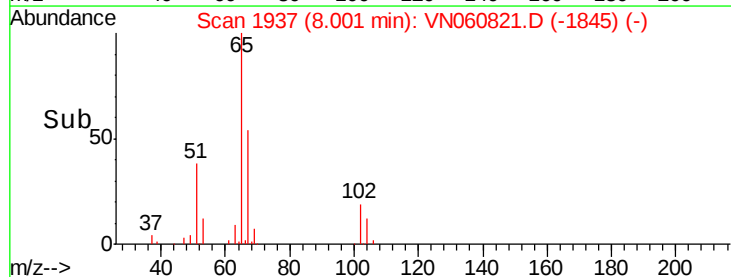
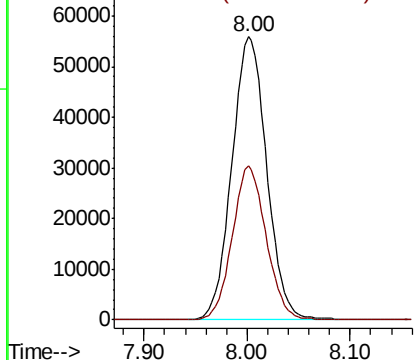


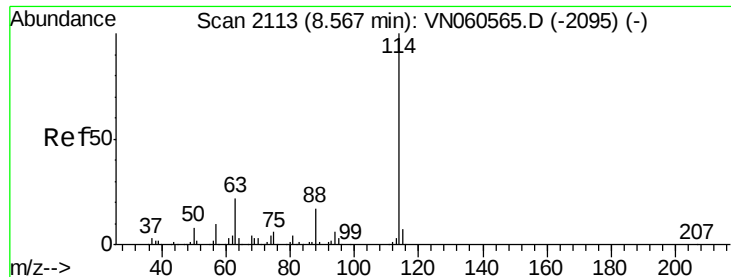
#33
1,2-Dichloroethane-d4
Concen: 48.019 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Tgt Ion: 65 Resp: 131380
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.6



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

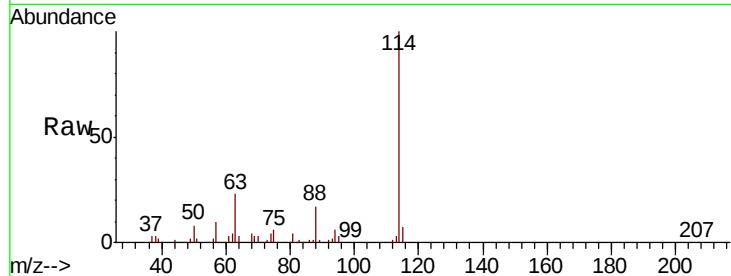




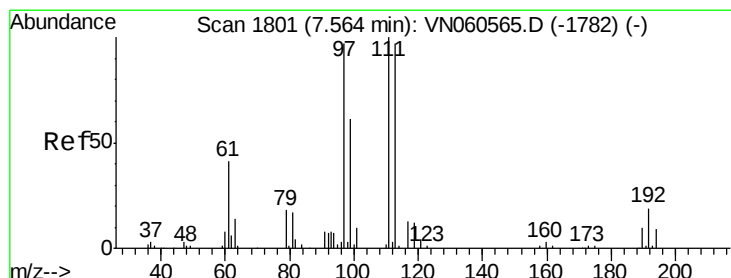
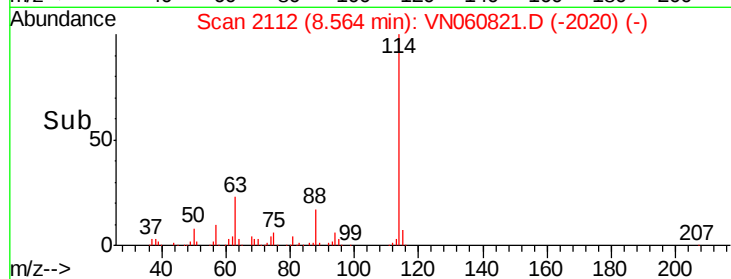
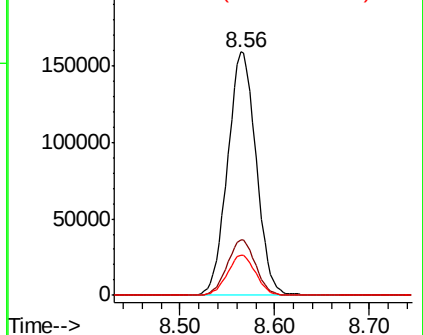
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060821.D
 Acq: 2 Apr 2020 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.8
88	16.7	0.0	33.0

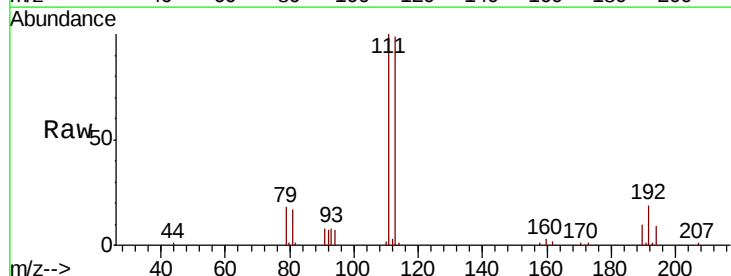


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

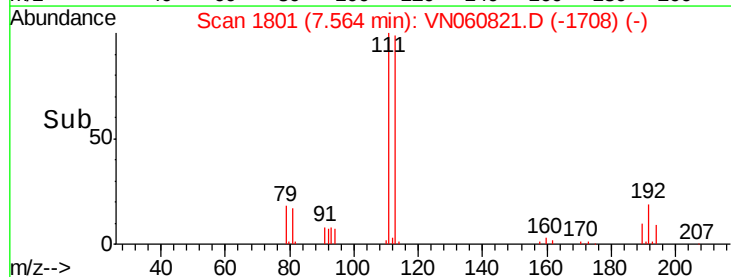
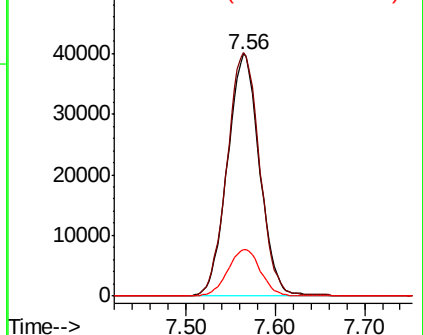


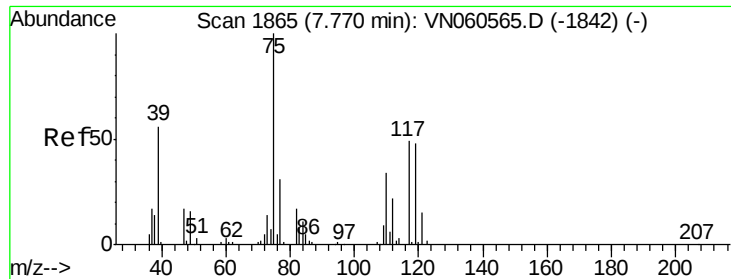
#35
 Dibromofluoromethane
 Concen: 49.550 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060821.D
 Acq: 2 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.9	124.3
192	19.4	15.8	23.8



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





#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

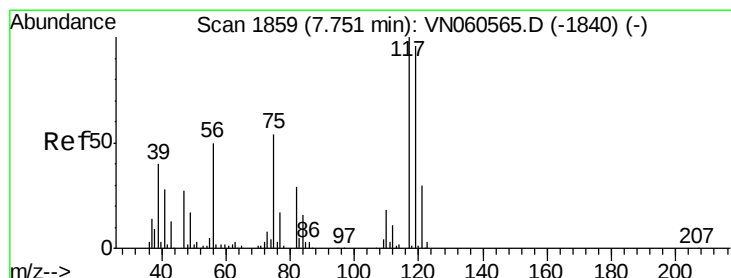
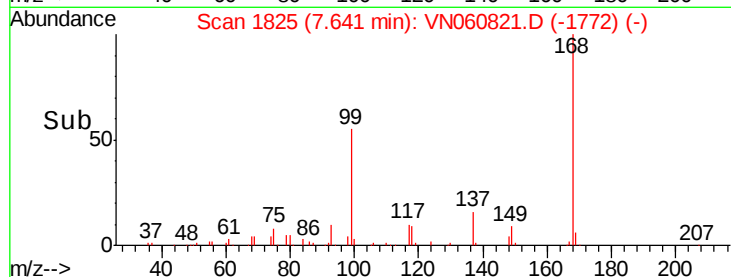
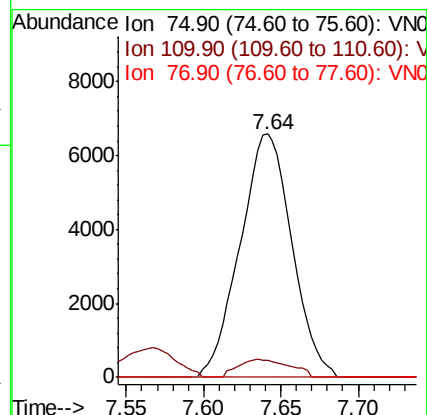
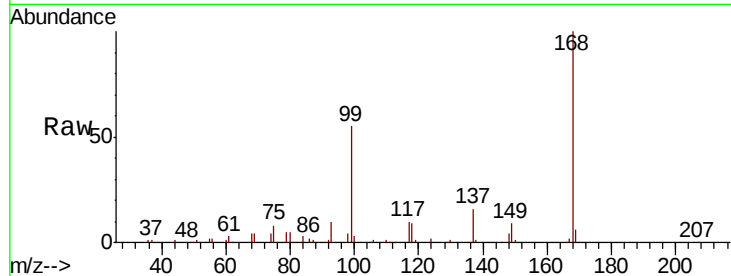
Tot Ion: 75 Resp: 15341

Ion Ratio Lower Upper

75 100

110 7.3 16.9 50.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.628 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

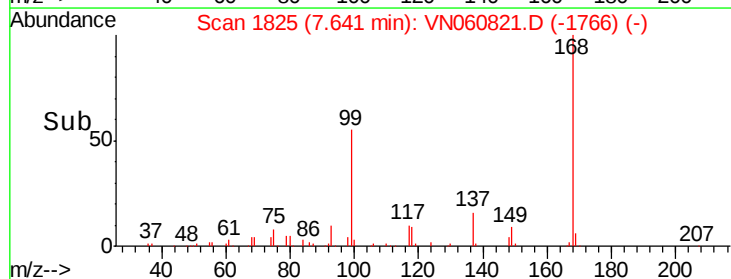
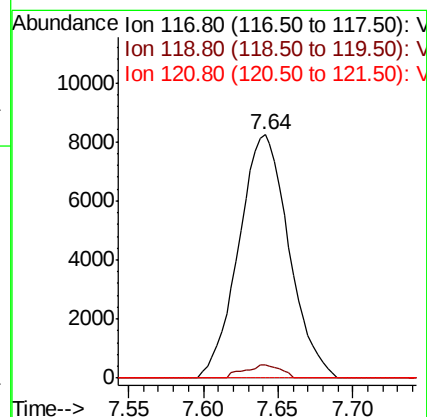
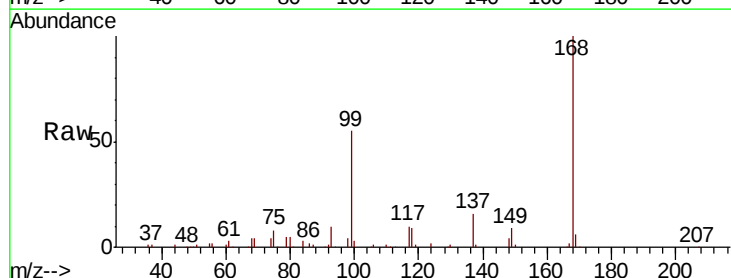
Tgt Ion: 117 Resp: 19168

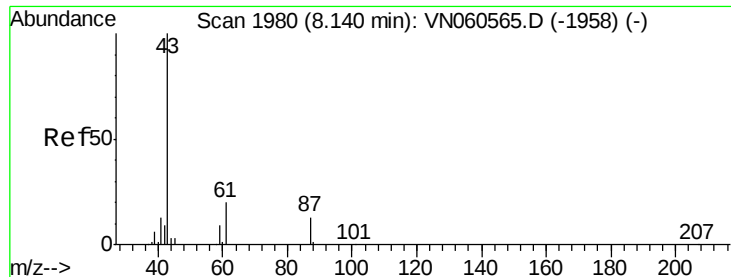
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

121 0.0 23.7 35.5#

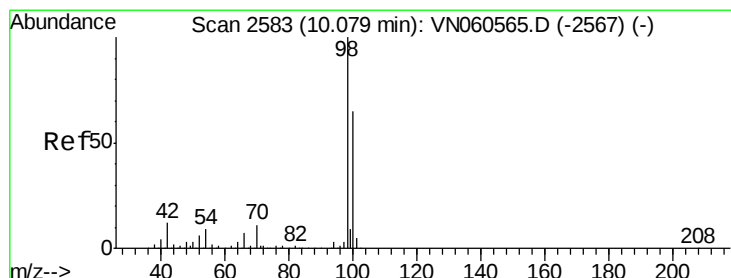
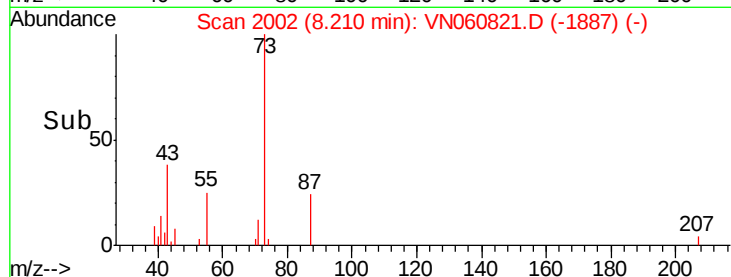
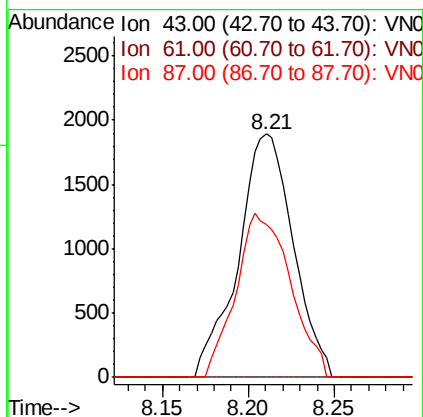
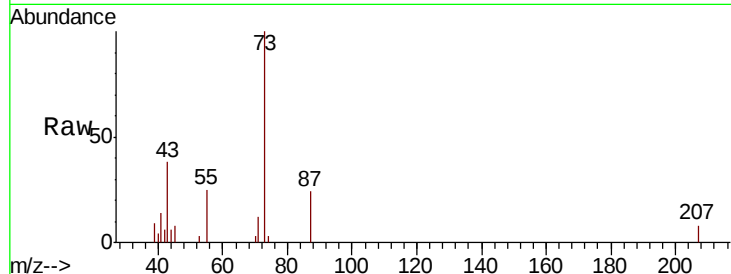




#43
Isopropyl Acetate
Concen: 0.731 ug/l
RT: 8.21 min Scan# 2002
Delta R.T. 0.07 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

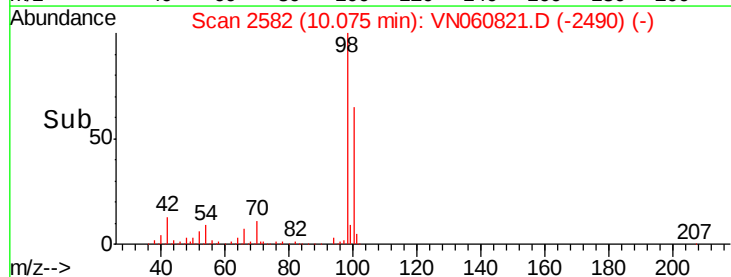
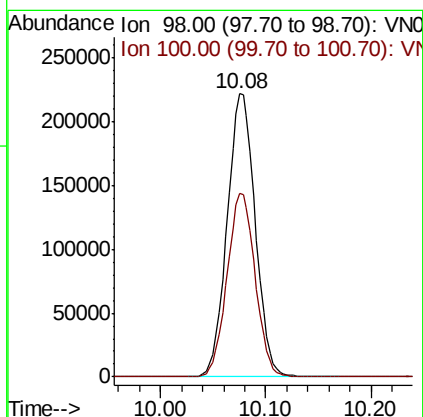
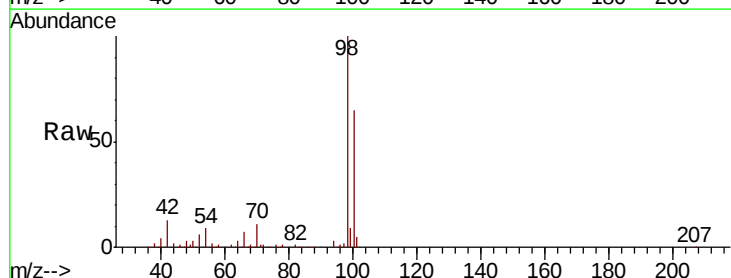
Instrument :
MSVOA_N
ClientSampleId :

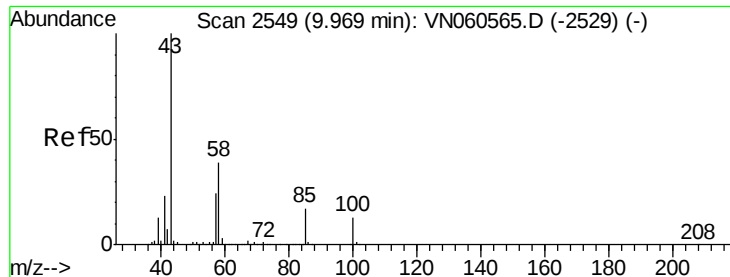
Tot Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 66.8 9.8 14.8#



#50
Toluene-d8
Concen: 49.539 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Tgt Ion: 98 Resp: 407722
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

Instrument :

MSVOA_N

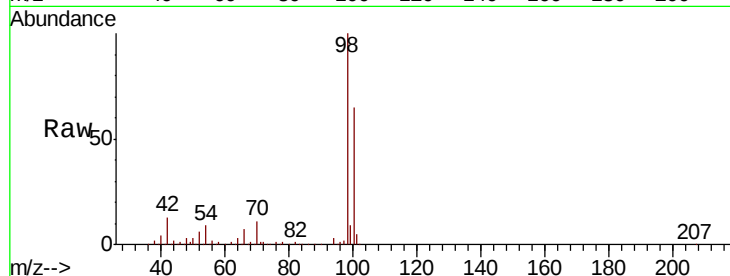
ClientSampleId :

Tot Ion: 43 Resp: 1805

Ion Ratio Lower Upper

43 100

58 193.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060821.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060821.D (-2529) (-)

10.08

2000

1500

1000

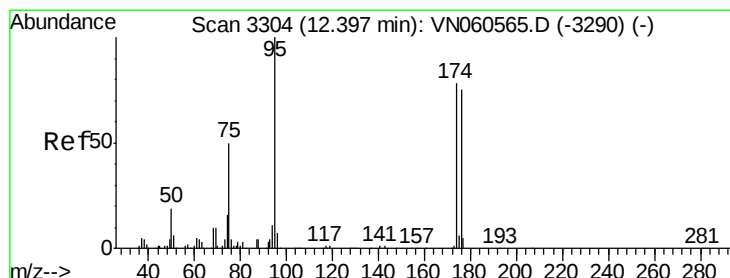
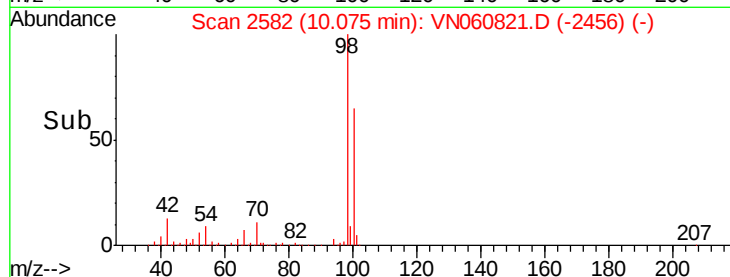
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 51.241 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060821.D

Acq: 2 Apr 2020 14:27

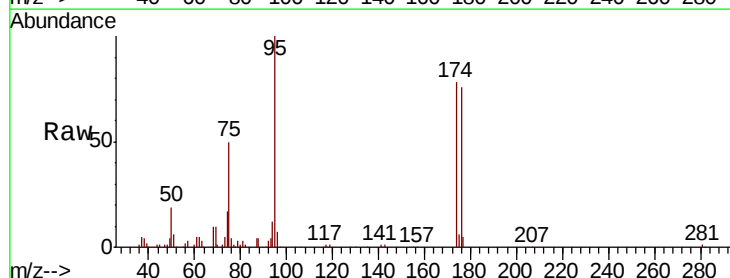
Tgt Ion: 95 Resp: 154560

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

176 75.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060821.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060821.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060821.D (-3211) (-)

120000

100000

80000

60000

40000

20000

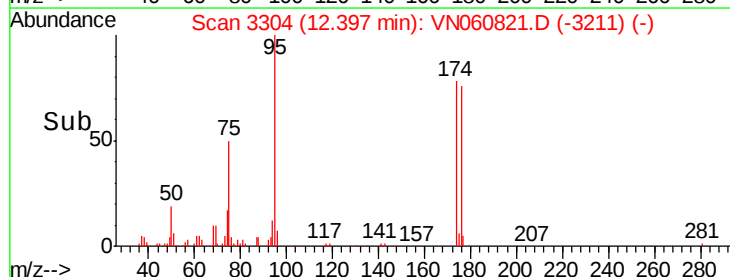
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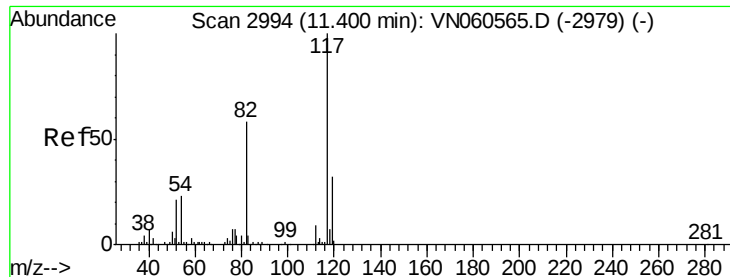
12.30

12.40

12.50

Time-->

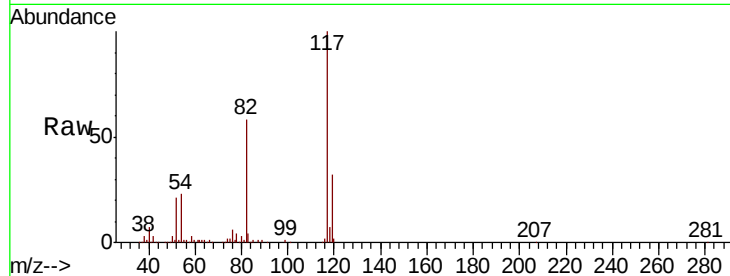




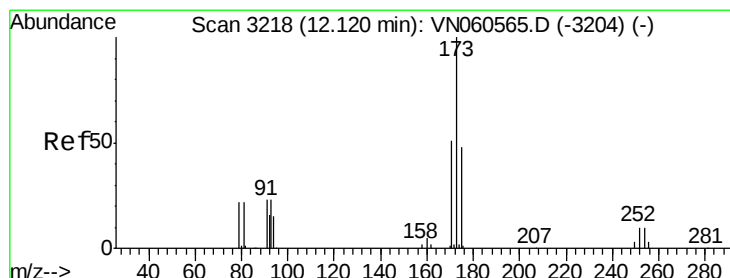
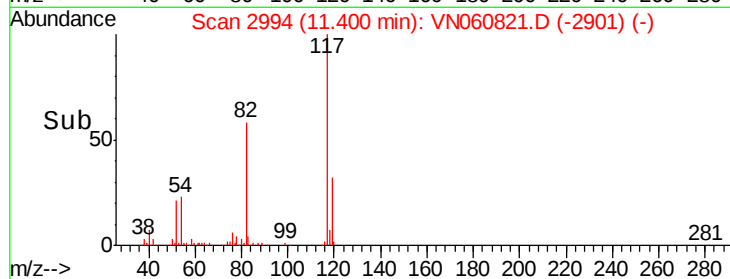
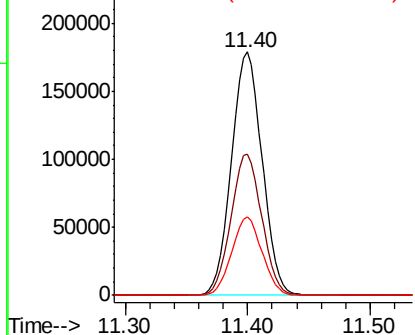
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 313187
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.0 25.5 38.3

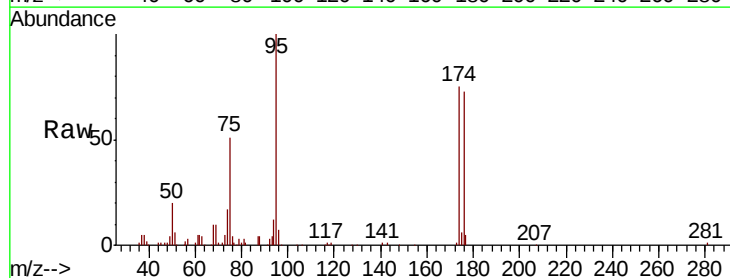


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

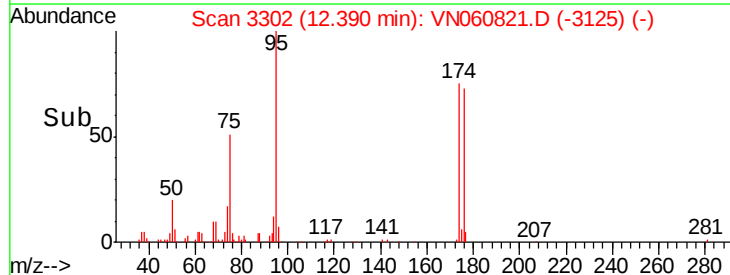
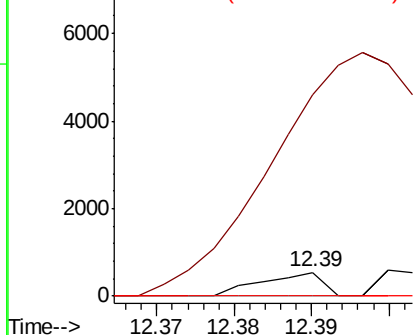


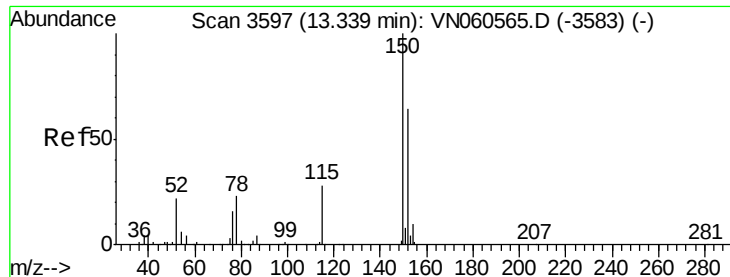
#71
Bromoform
Concen: 1.832 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060821.D
Acq: 2 Apr 2020 14:27

Tgt Ion:173 Resp: 293
Ion Ratio Lower Upper
173 100
175 0.0 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: VN060821.D

Acq: 2 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

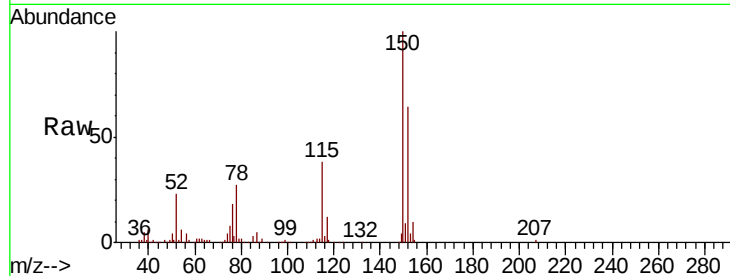
Tot Ion:152 Resp: 143711

Ion Ratio Lower Upper

152 100

115 59.3 30.2 90.6

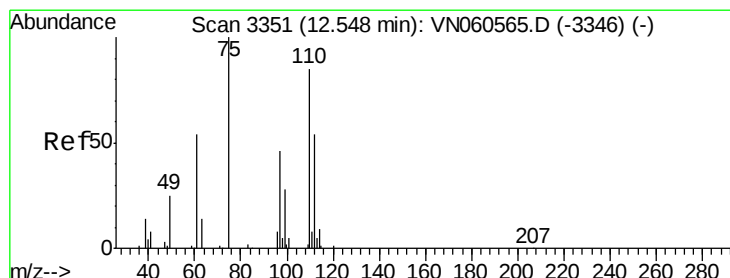
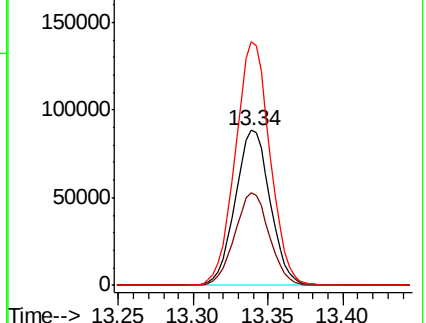
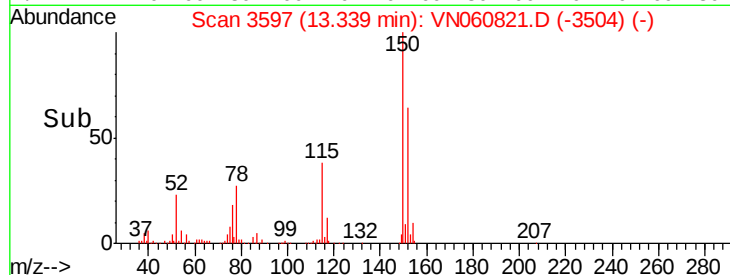
150 156.0 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 24.974 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060821.D

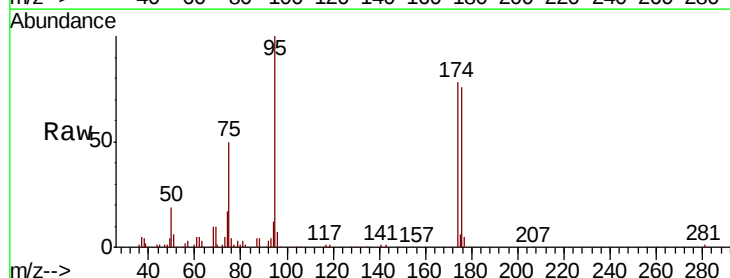
Acq: 2 Apr 2020 14:27

Tgt Ion: 75 Resp: 77445

Ion Ratio Lower Upper

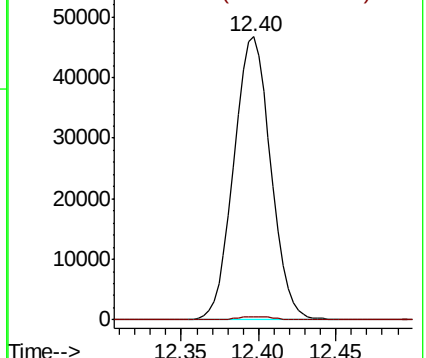
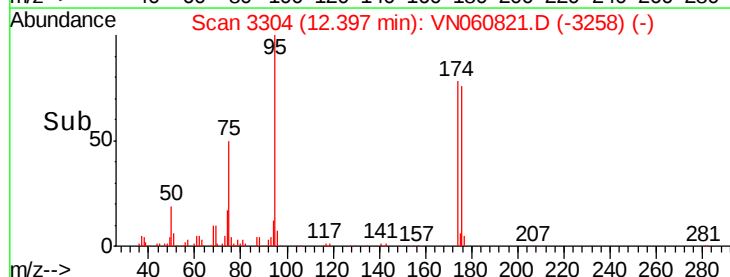
75 100

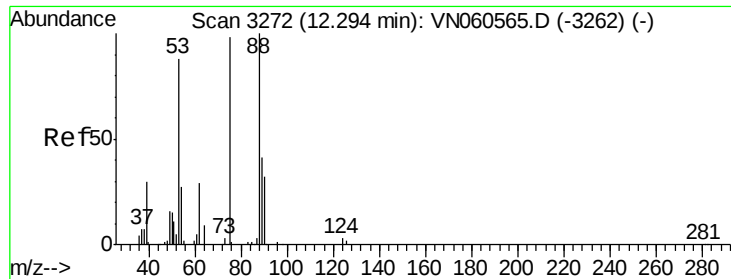
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.141 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060821.D
 Acq: 2 Apr 2020 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 77445
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

