

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060917.D
 Acq On : 13 Apr 2020 22:50
 Operator : JC/MD
 Sample : L2195-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-204

Quant Time: Apr 14 07:25:41 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	141989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	242183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	224706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98074	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	94513	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	7.56	113	71555	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.08	98	300065	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	110283	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	

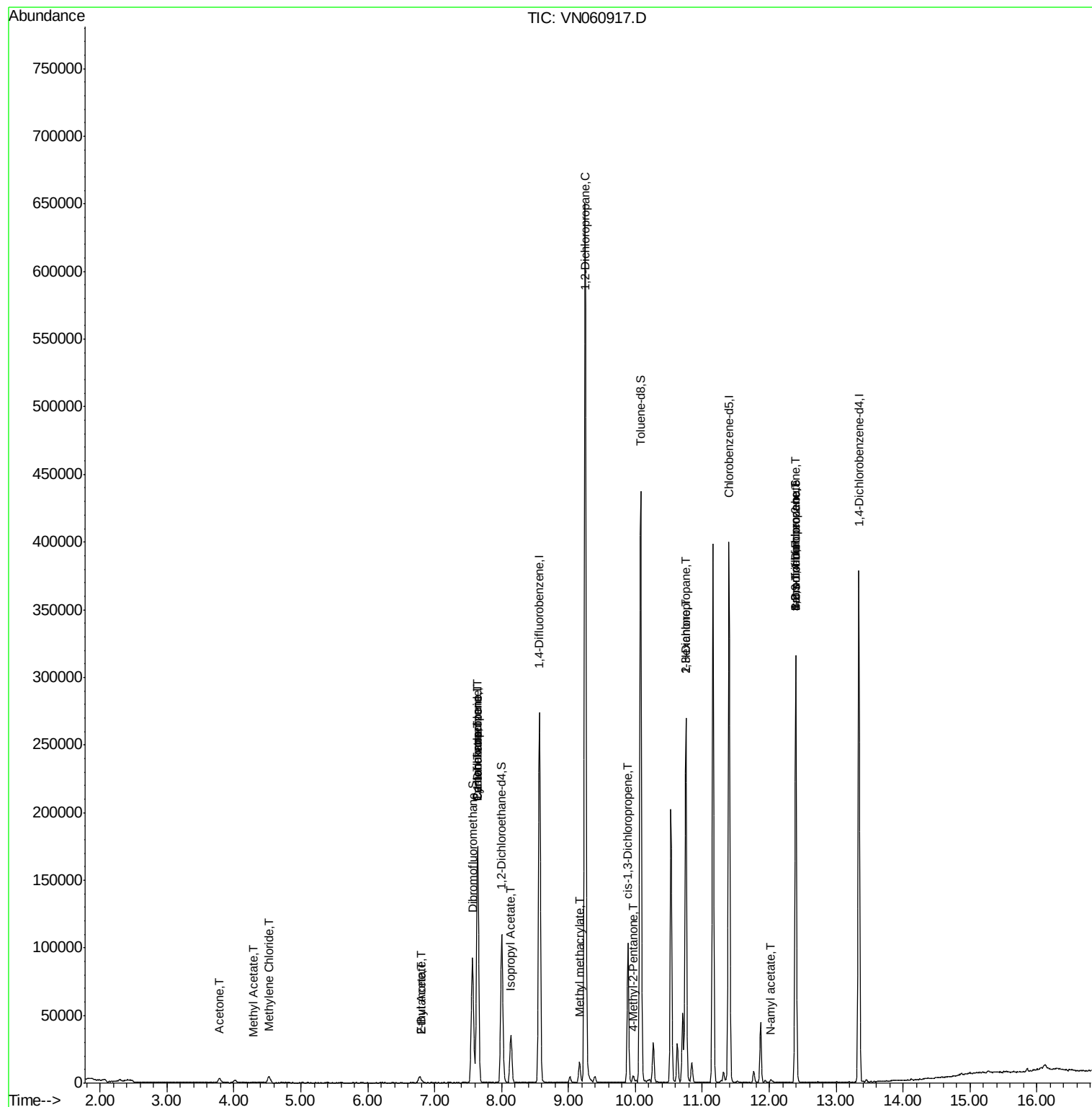
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6857	9.931	ug/l	99
18) Methyl Acetate	4.29	43	1334	0.686	ug/l #	54
20) Methylene Chloride	4.52	84	3725	2.193	ug/l	96
25) 2-Butanone	6.81	43	1759	1.574	ug/l #	50
31) Cyclohexane	7.64	56	3020	0.962	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11254	4.799	ug/l #	49
37) Ethyl Acetate	6.81	43	1759	0.694	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13562	6.453	ug/l #	16
43) Isopropyl Acetate	8.14	43	42926	10.272	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	678	0.363	ug/l #	43
48) Methyl methacrylate	9.17	41	2120	1.139	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4174	1.755	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	17900	6.053	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2644	0.926	ug/l #	42
59) 2-Hexanone	10.75	43	41170	24.034	ug/l #	52
71) Bromoform	12.40	173	380	1.954	ug/l #	1
74) N-amyl acetate	12.02	43	2430	0.714	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	55612	26.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55612	67.492	ug/l #	13

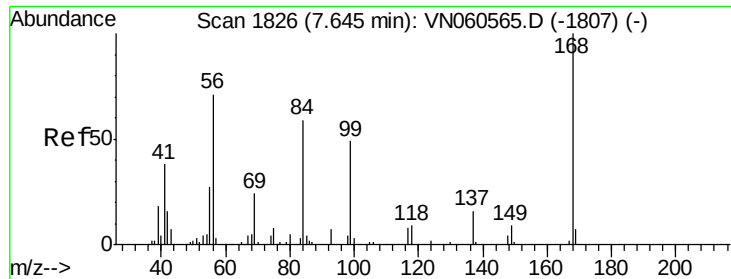
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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: VN060917.D

Acq: 13 Apr 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

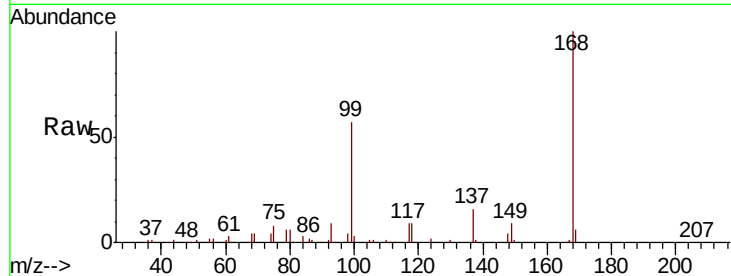
VNJ-204

Tot Ion:168 Resp: 141989

Ion Ratio Lower Upper

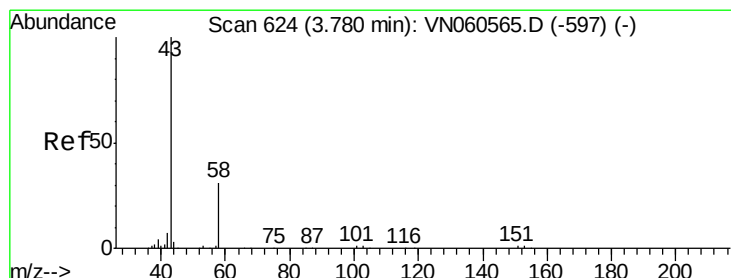
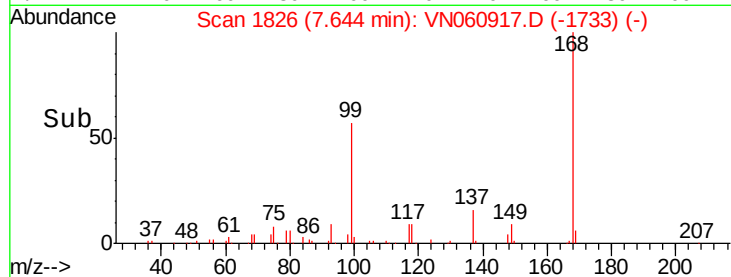
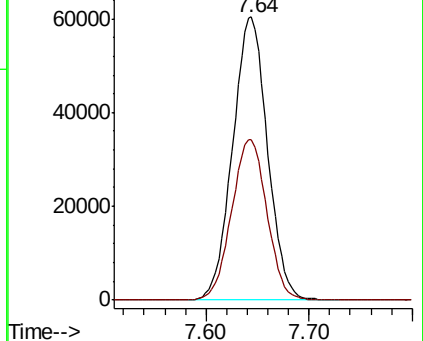
168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 9.931 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060917.D

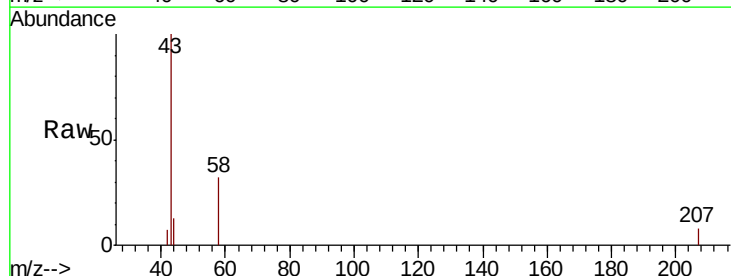
Acq: 13 Apr 2020 22:50

Tgt Ion: 43 Resp: 6857

Ion Ratio Lower Upper

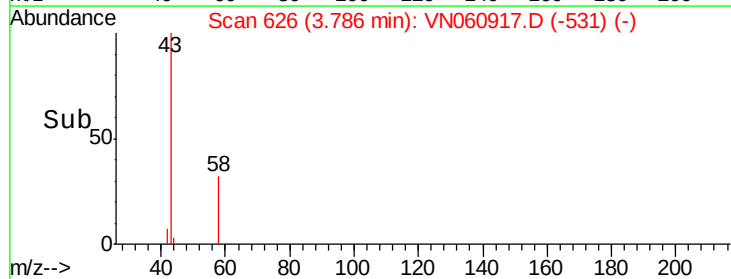
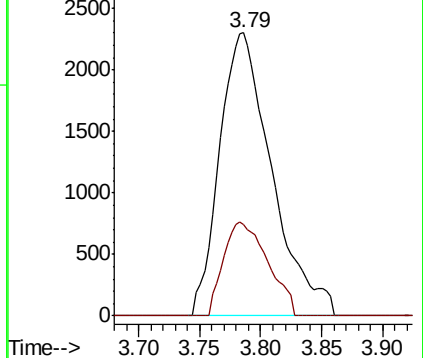
43 100

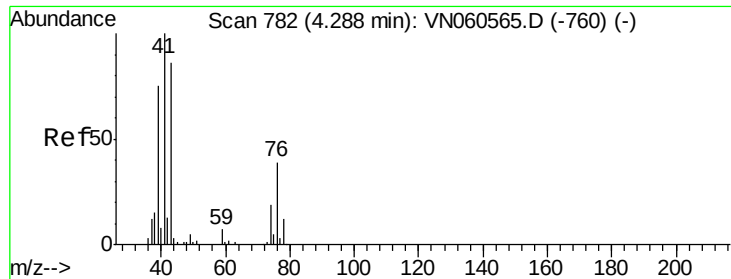
58 32.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

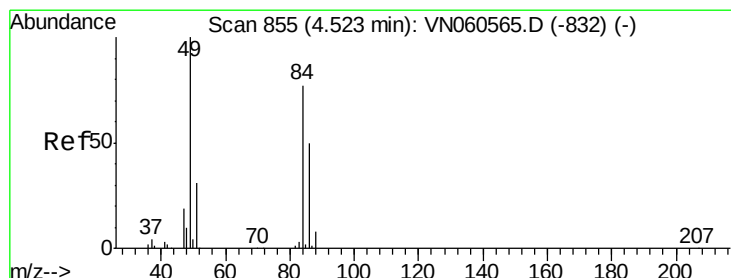
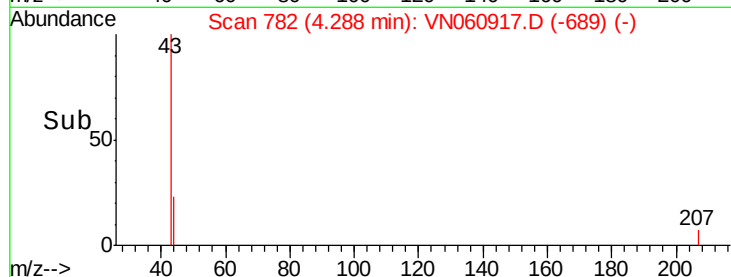
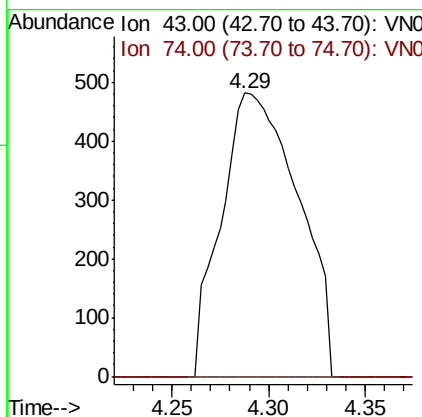
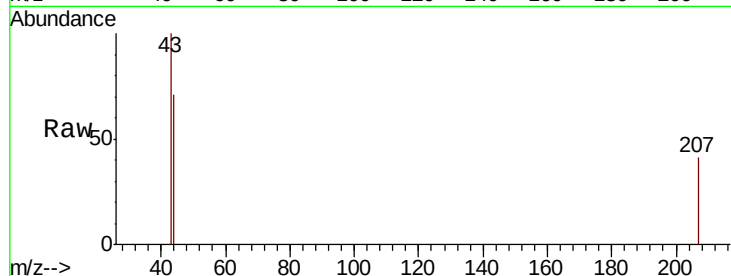




#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

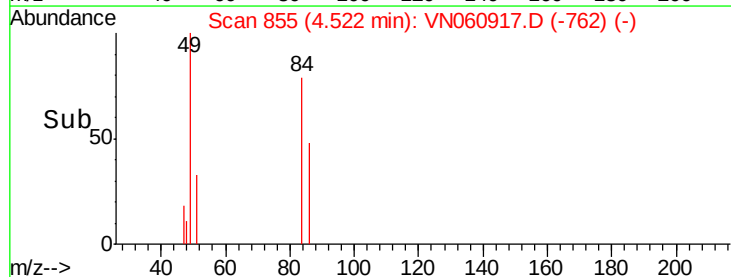
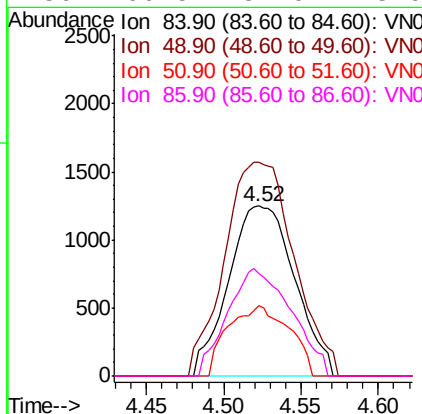
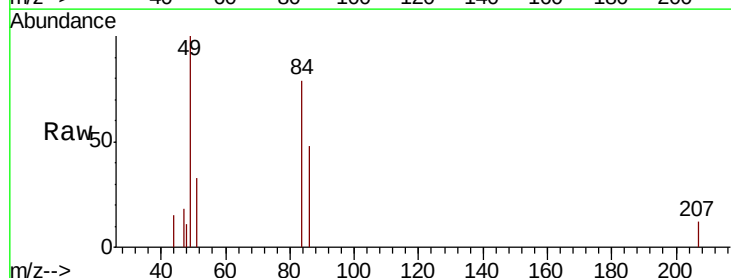
Instrument :
MSVOA_N
ClientSampled :
VNJ-204

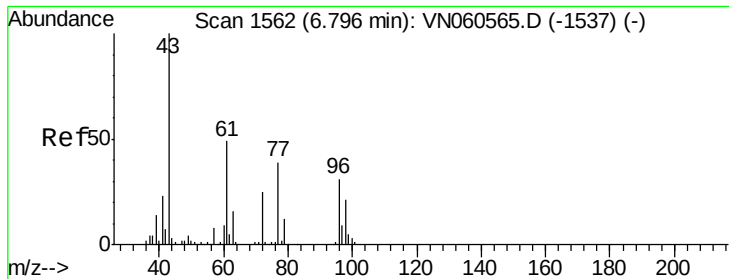
Tot Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.193 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Tgt Ion: 84 Resp: 3725
Ion Ratio Lower Upper
84 100
49 125.9 103.3 154.9
51 41.6 31.6 47.4
86 60.5 52.0 78.0





#25

2-Butanone

Concen: 1.574 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

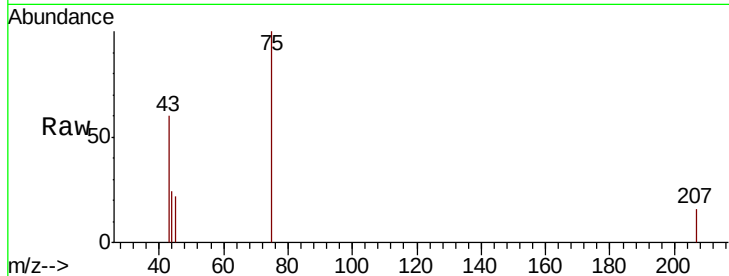
VNJ-204

Tot Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN060917.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN060917.D (-1537) (-)

6.81

600

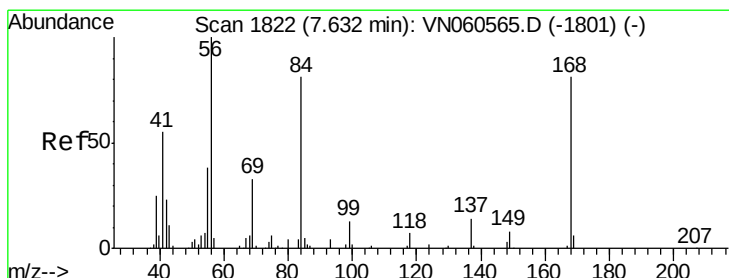
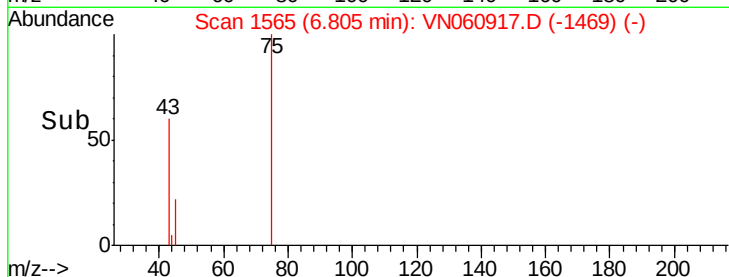
400

200

0

6.75 6.80 6.85

Time-->



#31

Cyclohexane

Concen: 0.962 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

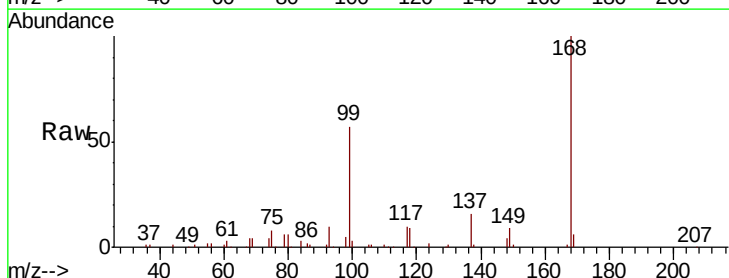
Tgt Ion: 56 Resp: 3020

Ion Ratio Lower Upper

56 100

69 175.5 26.6 40.0#

84 137.3 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060917.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060917.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060917.D (-1729) (-)

3000

2500

2000

1500

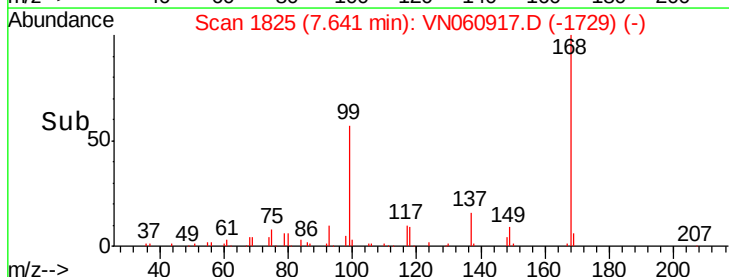
1000

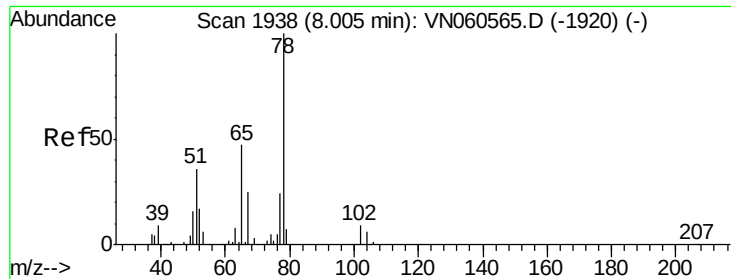
500

0

7.60 7.65 7.70

Time-->

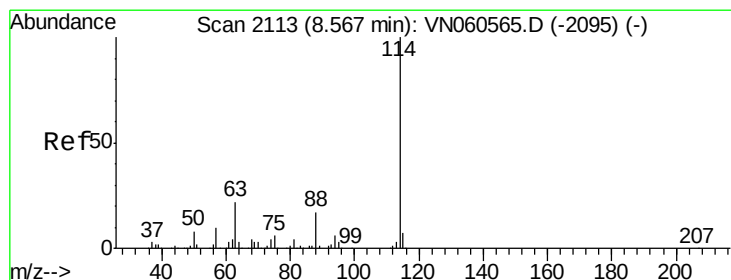
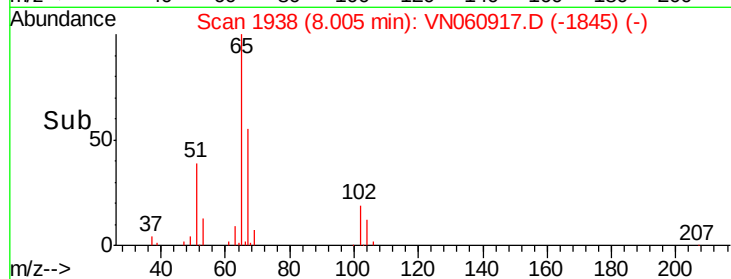
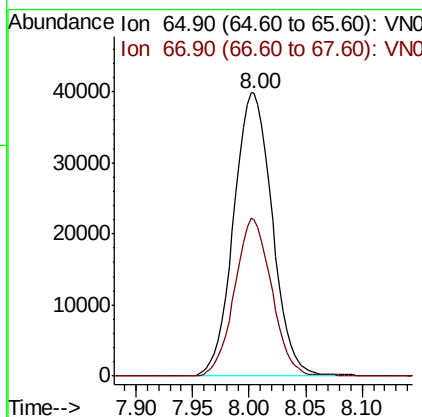
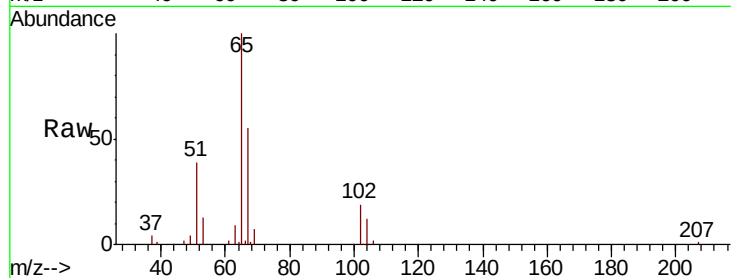




#33
 1,2-Dichloroethane-d4
 Concen: 48.488 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

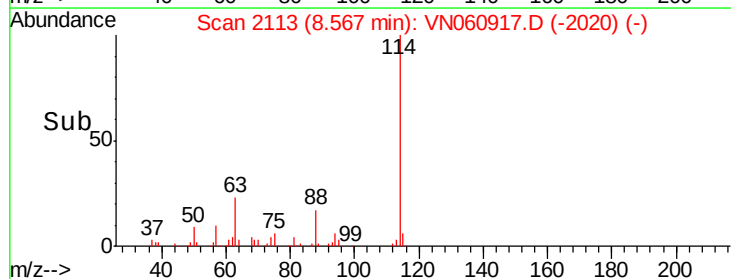
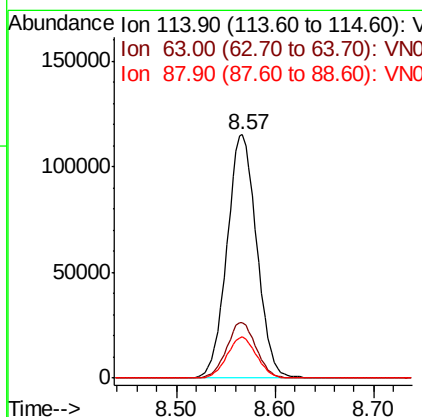
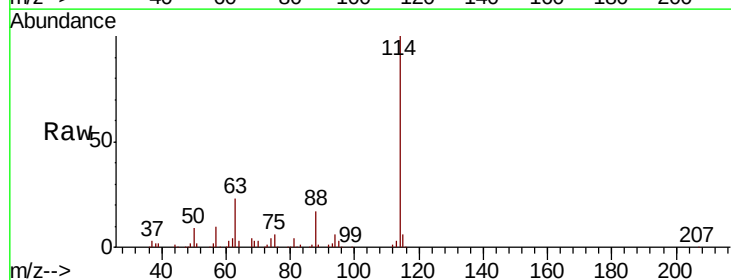
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-204

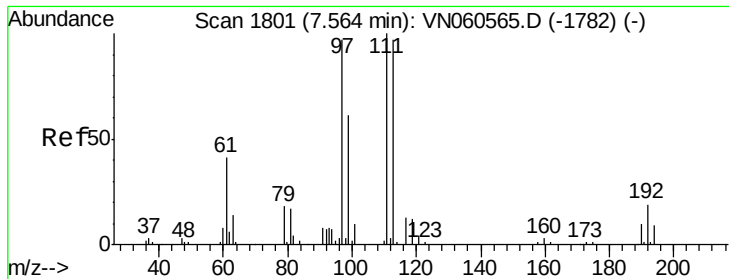
Tot Ion: 65 Resp: 94513
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

Tgt Ion: 114 Resp: 242183
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.8 0.0 33.0

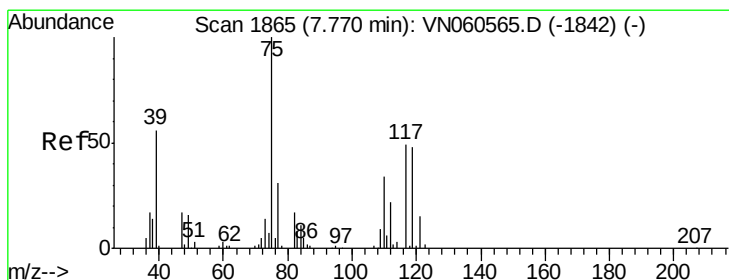
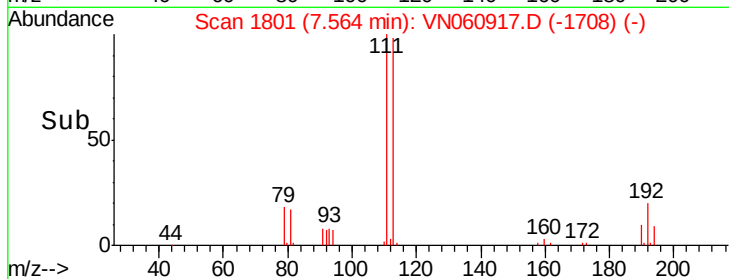
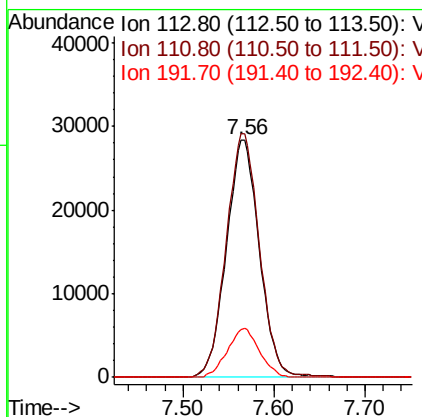
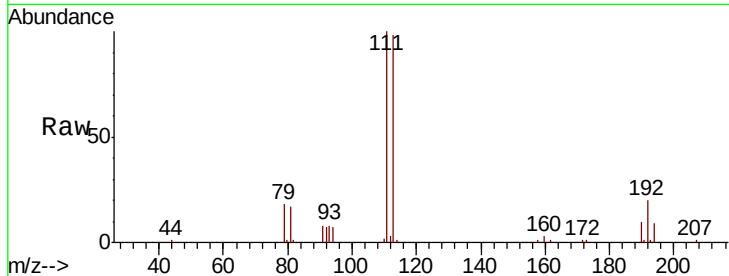




#35
 Dibromofluoromethane
 Concen: 48.863 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

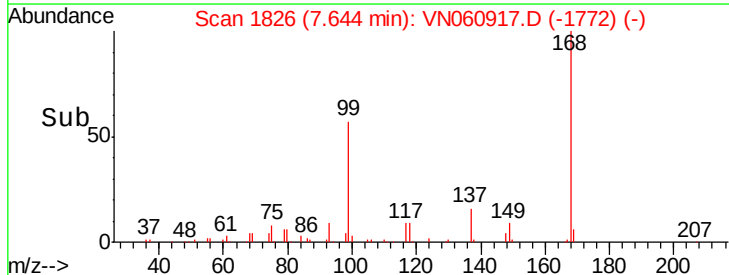
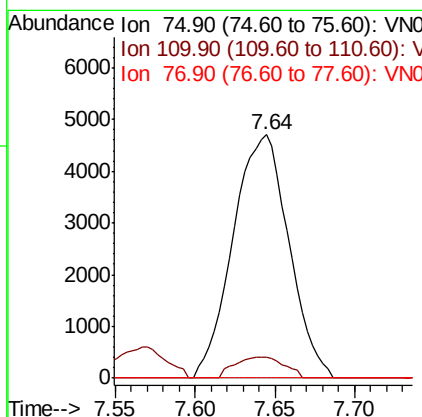
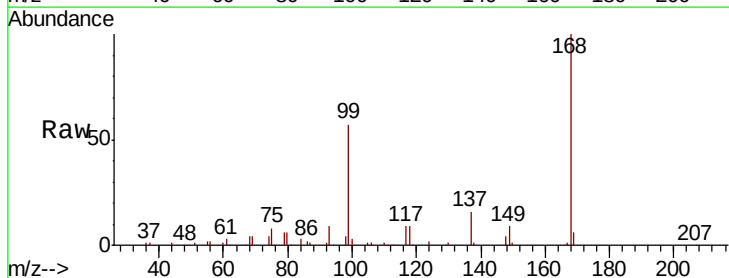
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-204

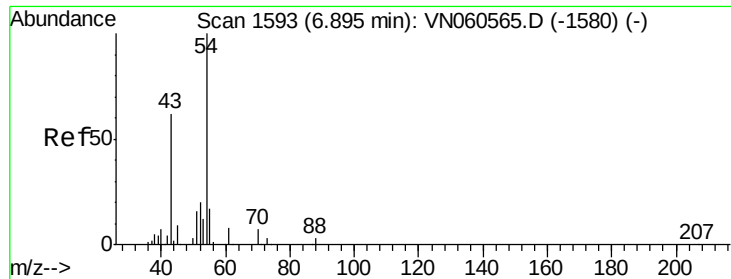
Tot Ion:113 Resp: 71555
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

Tgt Ion: 75 Resp: 11254
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.6 36.8#

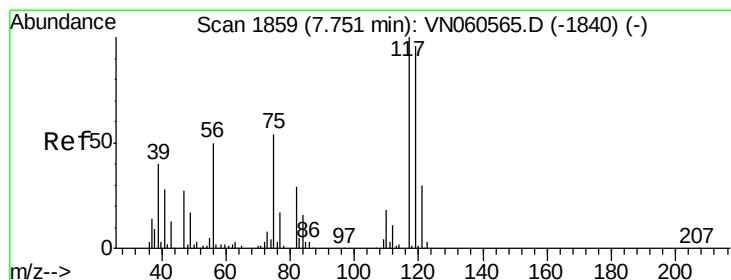
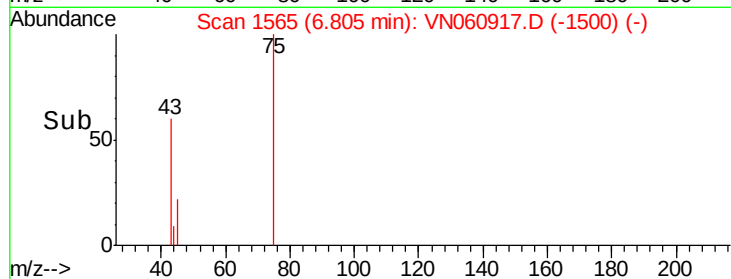
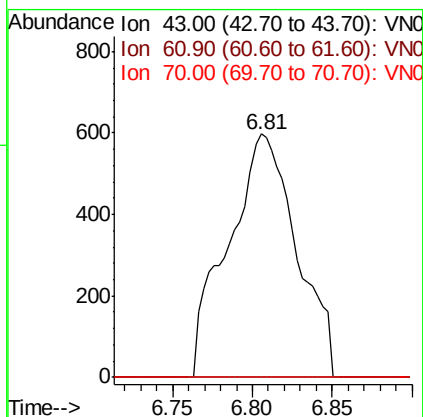
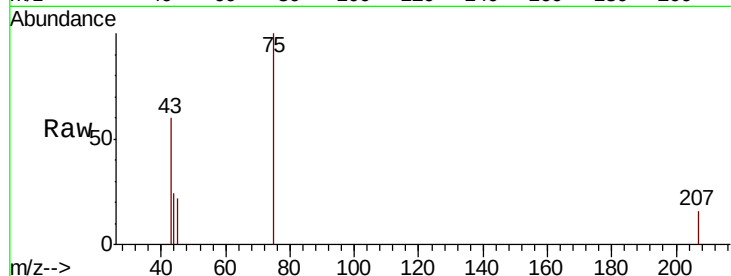




#37
Ethyl Acetate
Concen: 0.694 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

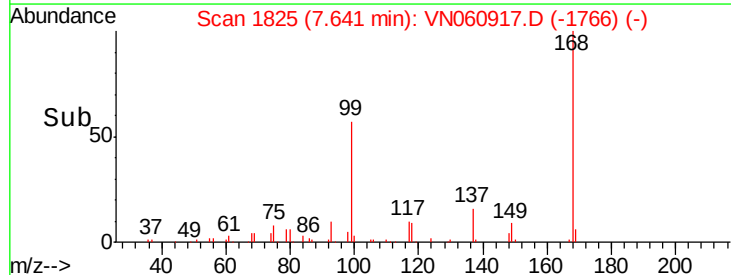
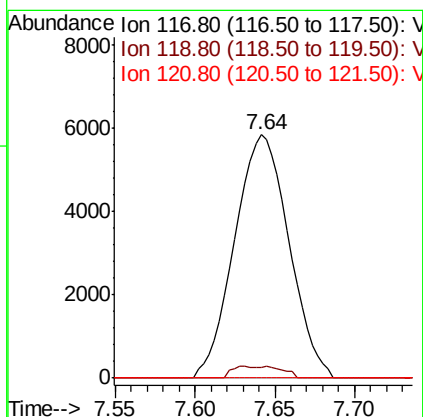
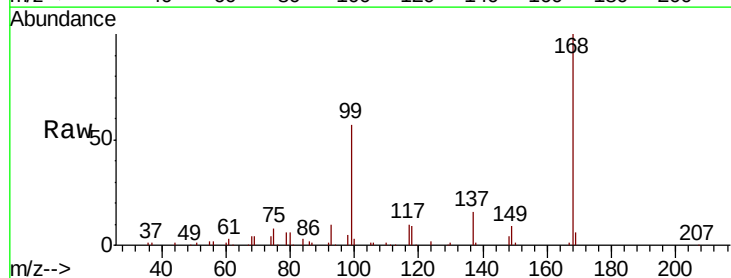
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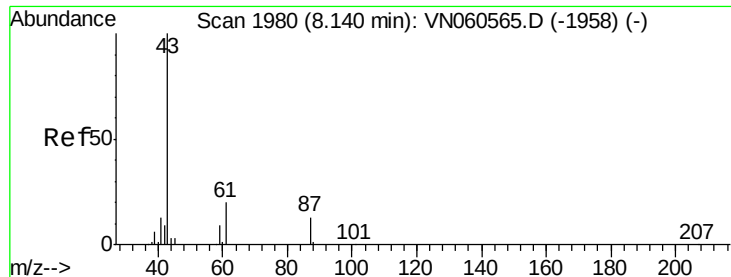
Tot Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Tgt Ion: 117 Resp: 13562
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.272 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

VNJ-204

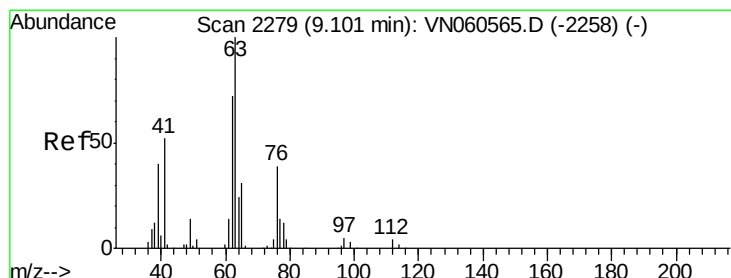
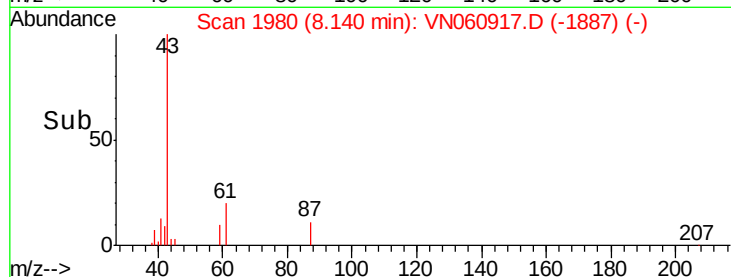
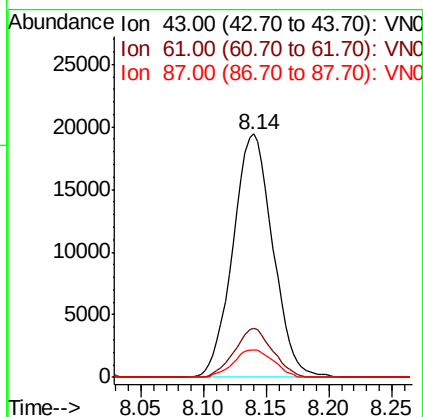
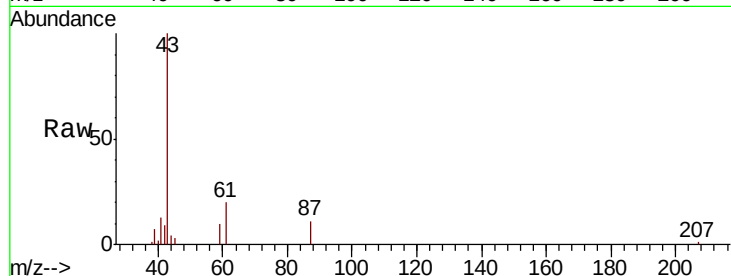
Tot Ion: 43 Resp: 42926

Ion Ratio Lower Upper

43 100

61 19.2 20.7 31.1#

87 11.3 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.363 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060917.D

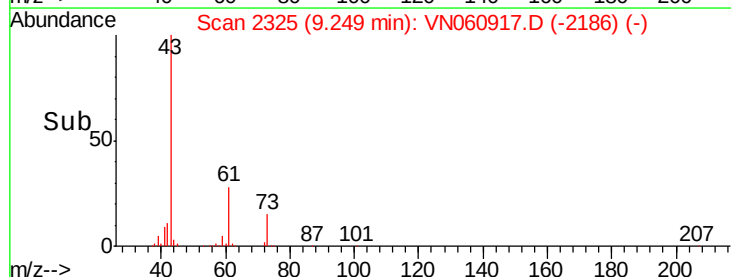
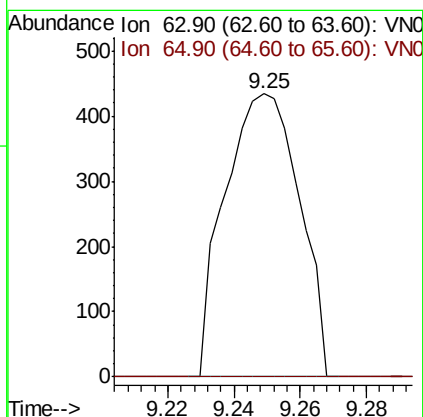
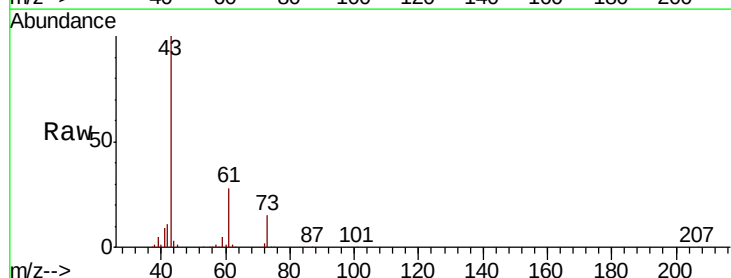
Acq: 13 Apr 2020 22:50

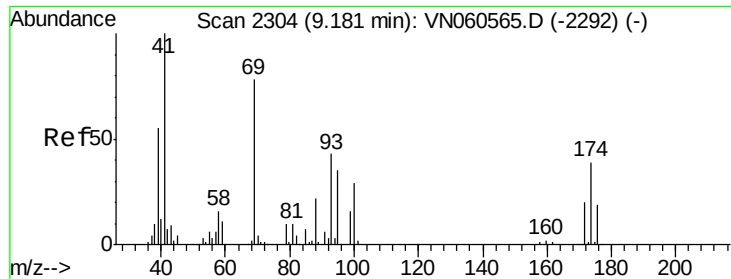
Tgt Ion: 63 Resp: 678

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

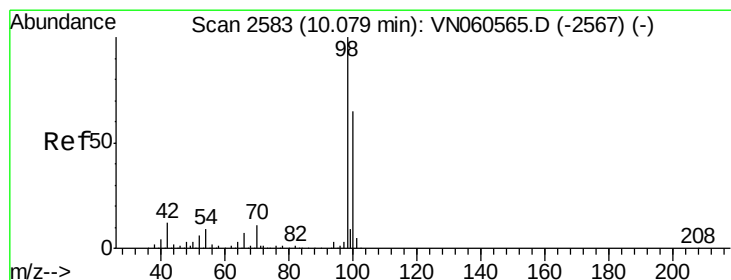
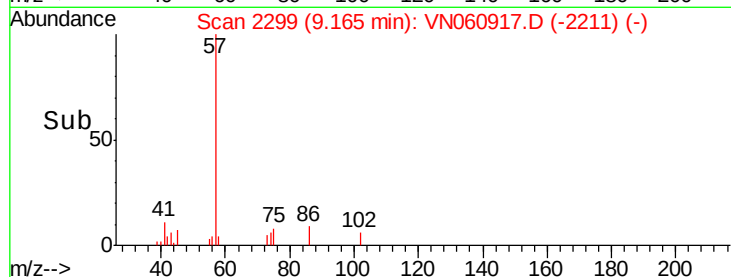
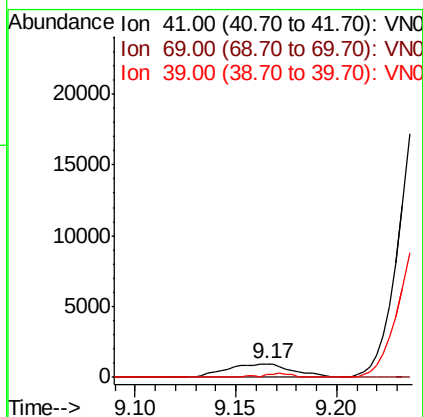
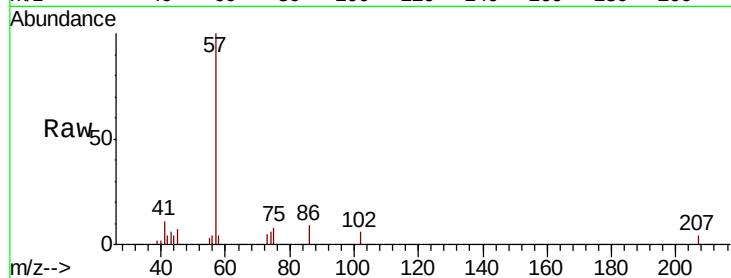




#48
Methvl methacrylate
Concen: 1.139 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

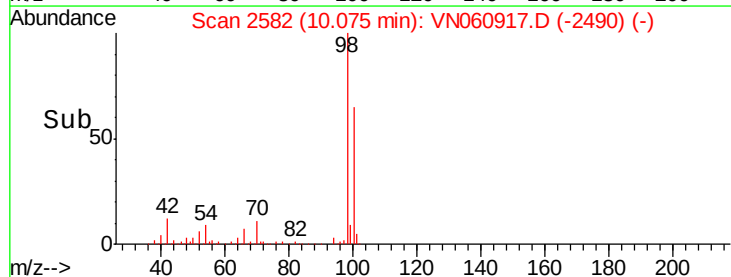
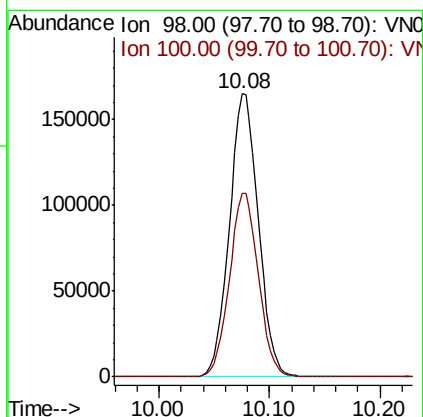
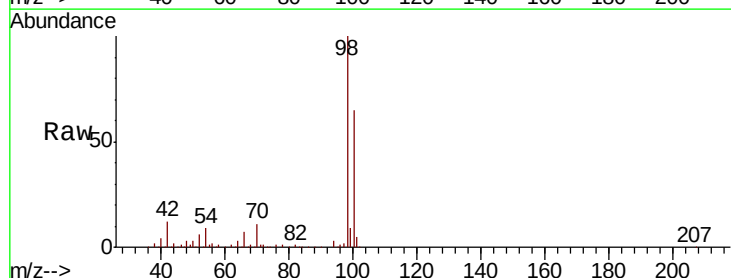
Instrument :
MSVOA_N
ClientSampled :
VNJ-204

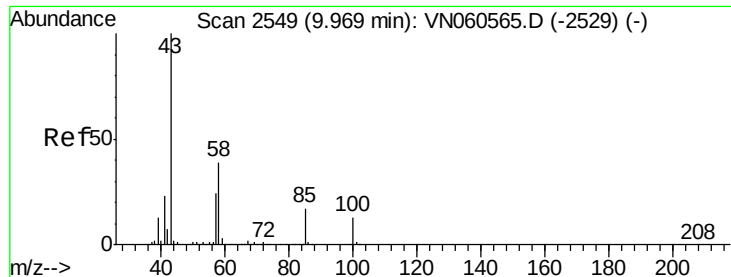
Tot Ion: 41 Resp: 2120
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Tgt Ion: 98 Resp: 300065
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

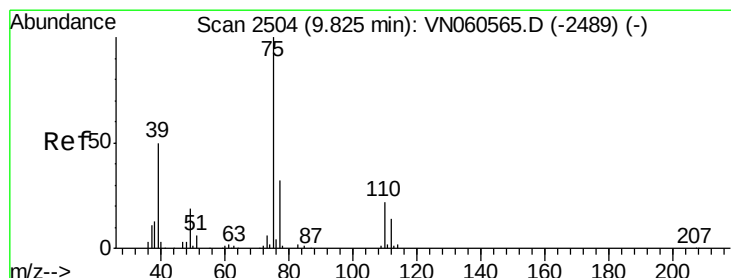
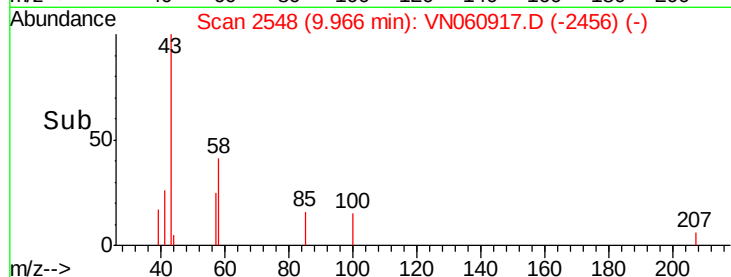
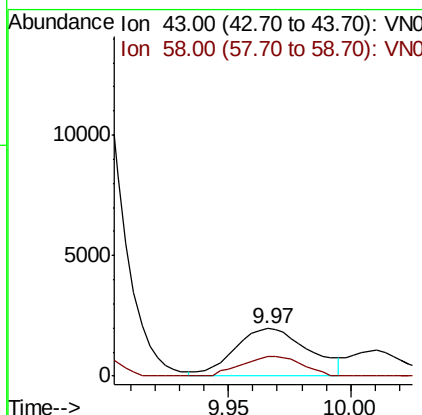
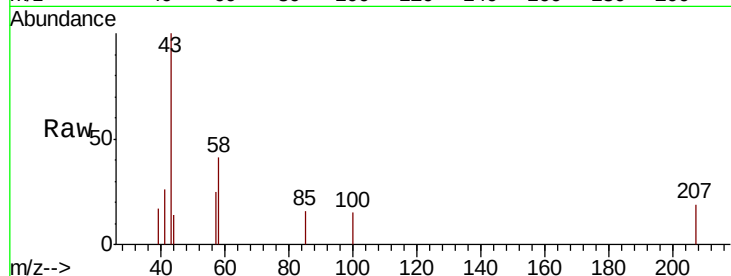




#51
 4-Methyl-2-Pentanone
 Concen: 1.755 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

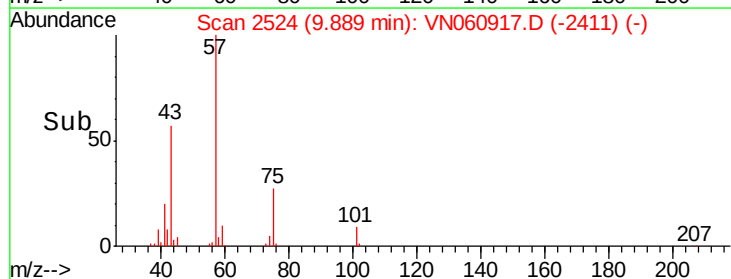
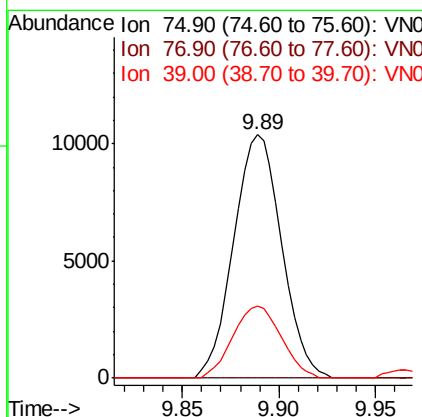
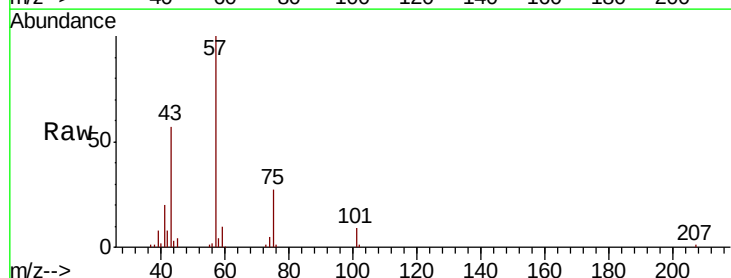
Instrument :
 MSVOA_N
 ClientSampled :
 VNJ-204

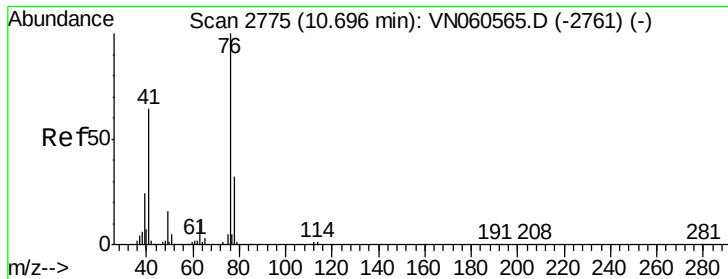
Tot Ion: 43 Resp: 4174
 Ion Ratio Lower Upper
 43 100
 58 33.4 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.053 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

Tgt Ion: 75 Resp: 17900
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 29.6 40.2 60.4#

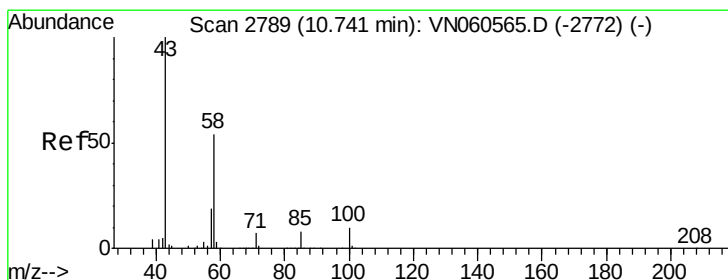
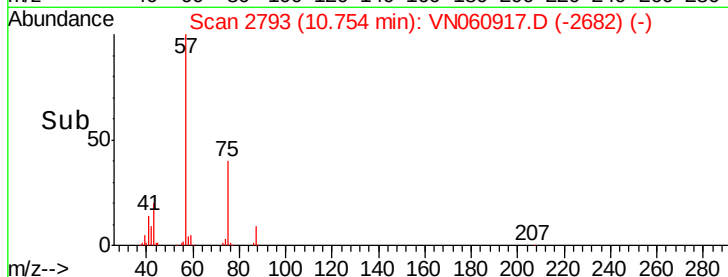
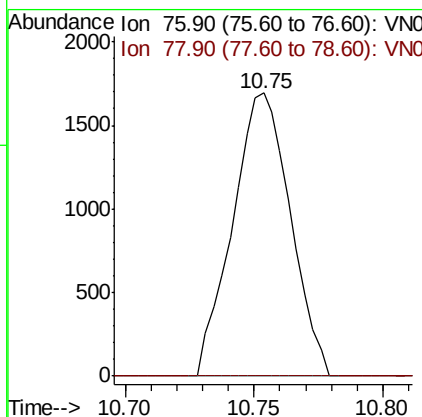
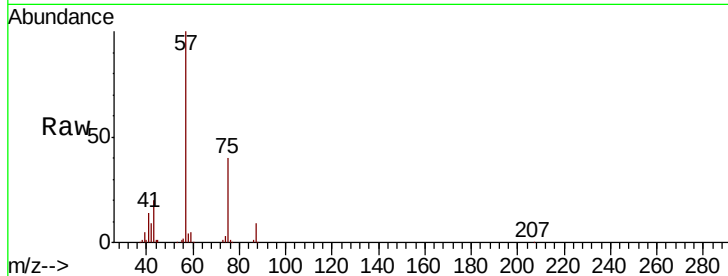




#57
 1,3-Dichloropropane
 Concen: 0.926 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

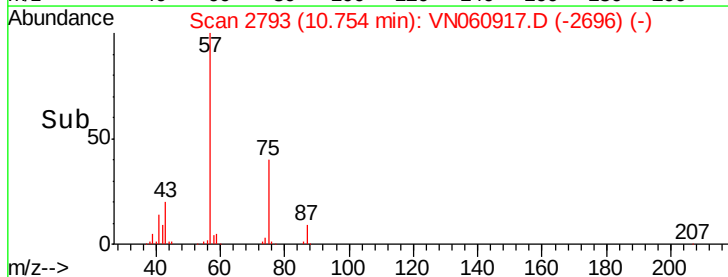
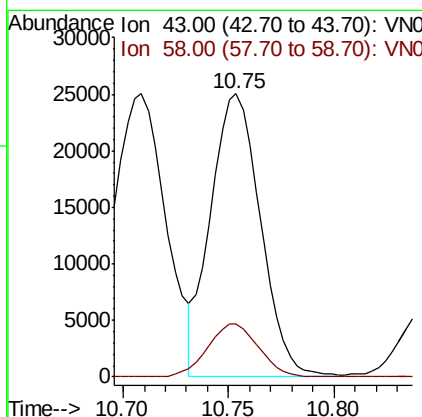
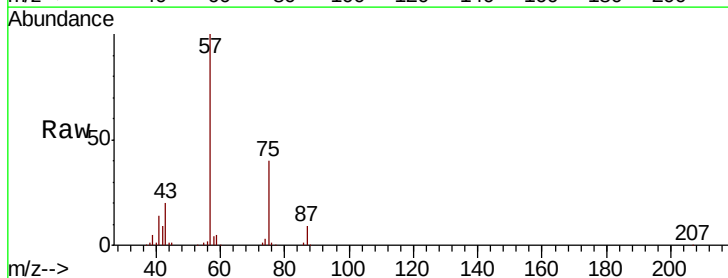
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-204

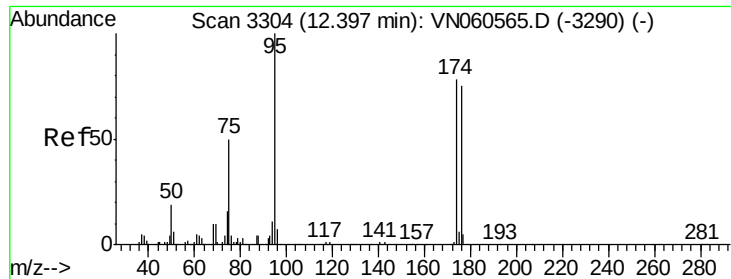
Tot Ion: 76 Resp: 2644
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 24.034 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060917.D
 Acq: 13 Apr 2020 22:50

Tgt Ion: 43 Resp: 41170
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 50.308 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

VNJ-204

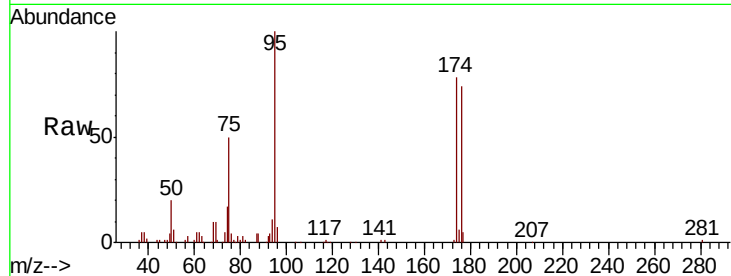
Tot Ion: 95 Resp: 110283

Ion Ratio Lower Upper

95 100

174 76.2 0.0 157.6

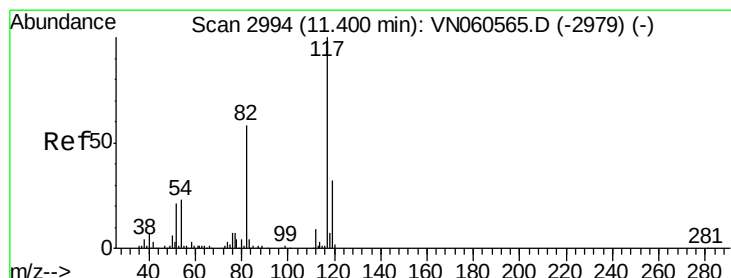
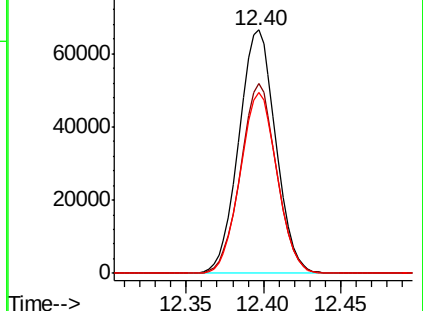
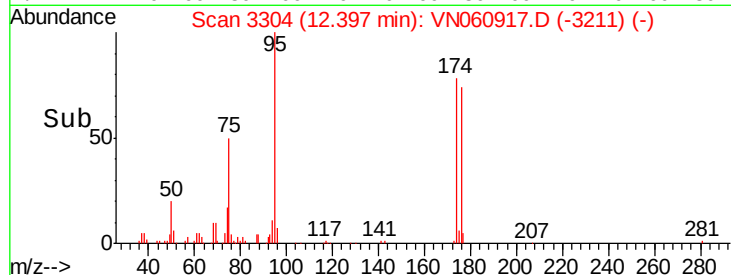
176 74.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060917.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060917.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060917.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

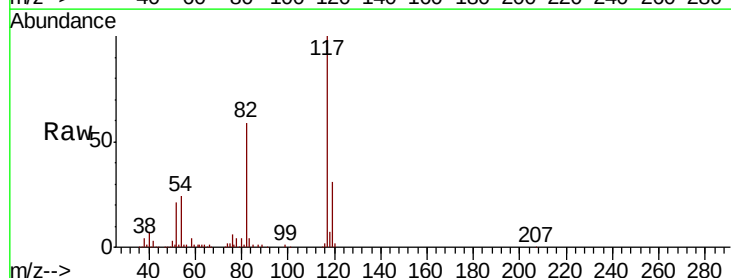
Tgt Ion: 117 Resp: 224706

Ion Ratio Lower Upper

117 100

82 58.6 46.7 70.1

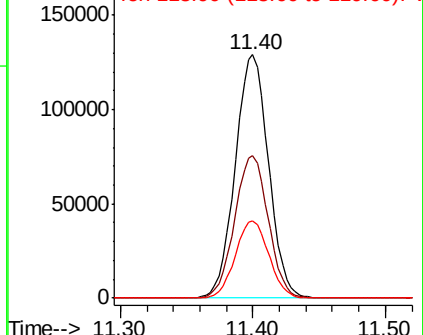
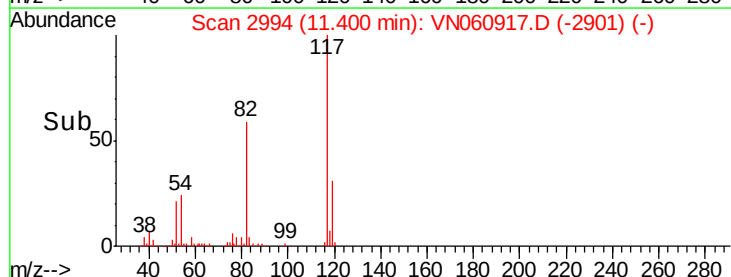
119 31.5 25.5 38.3

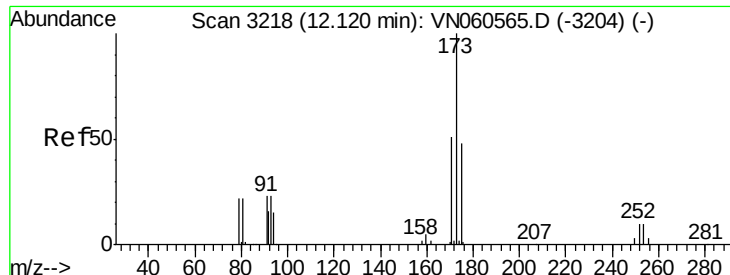


Abundance Ion 116.90 (116.60 to 117.60): VN060917.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060917.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060917.D (-2901) (-)

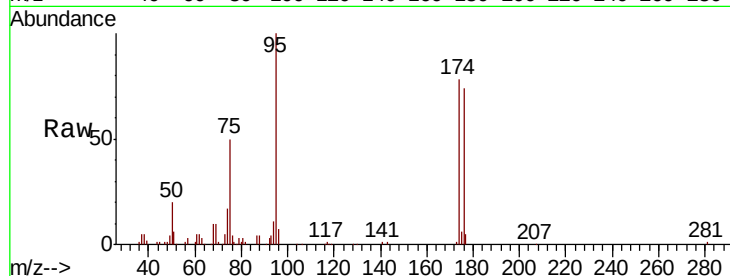




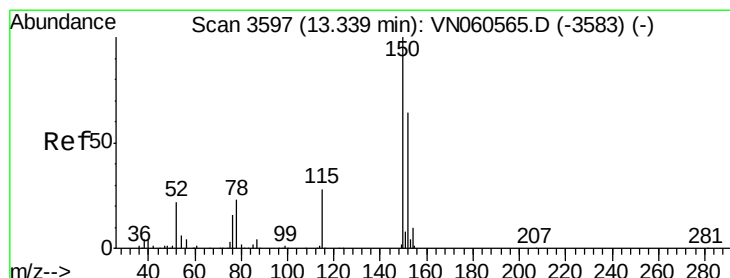
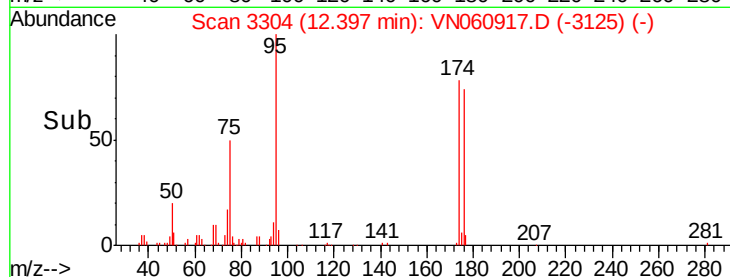
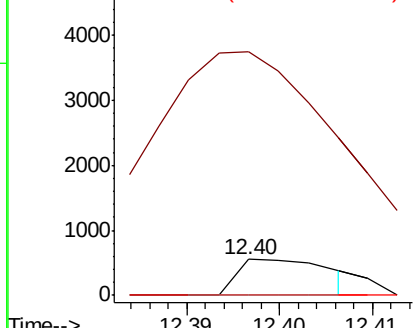
#71
Bromoform
Concen: 1.954 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Instrument :
MSVOA_N
ClientSampleId :
VNJ-204

Tot Ion:173 Resp: 380
Ion Ratio Lower Upper
173 100
175 1372.4 24.1 72.4#
254 0.0 0.0 0.0

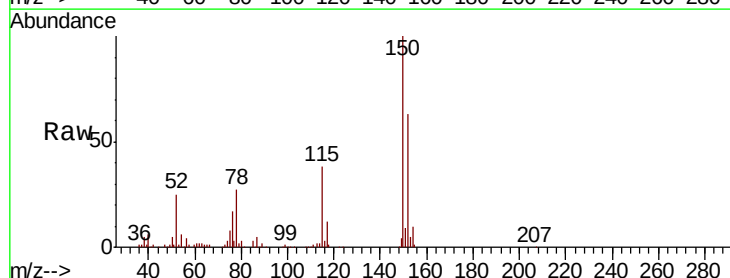


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

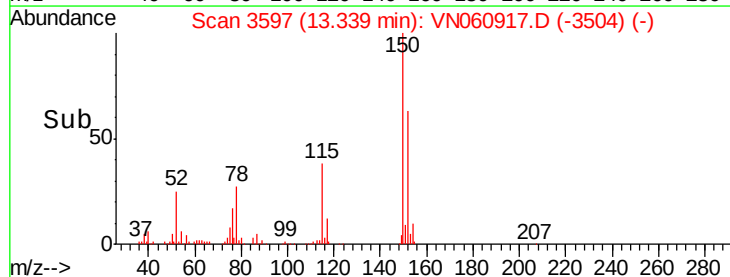
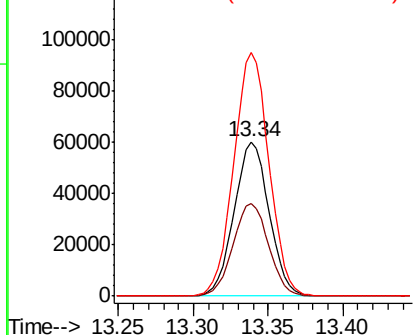


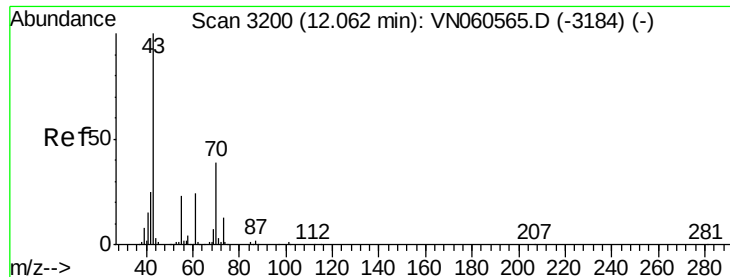
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Tgt Ion:152 Resp: 98074
Ion Ratio Lower Upper
152 100
115 60.9 30.2 90.6
150 158.3 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

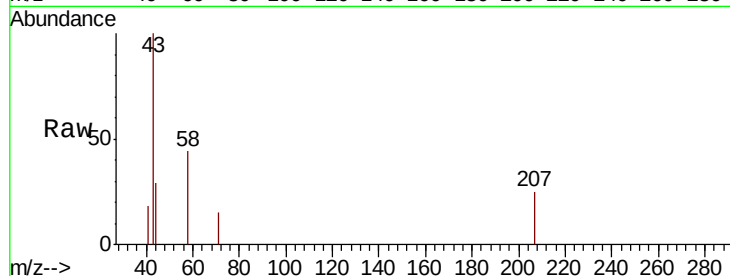




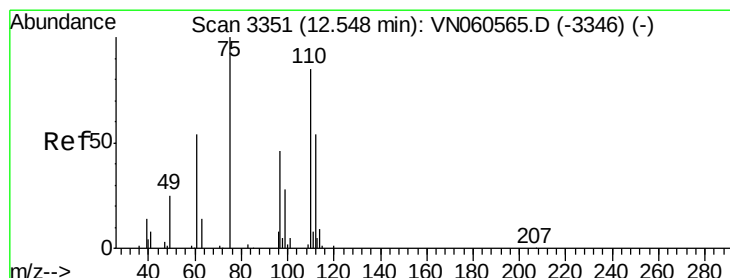
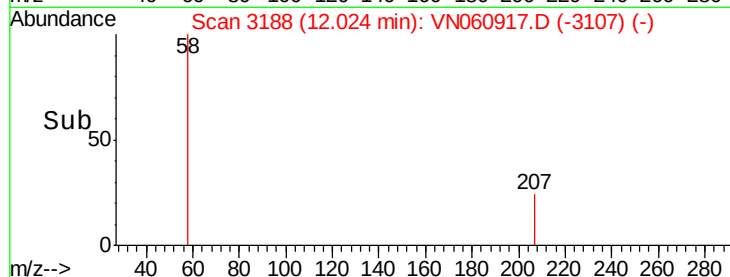
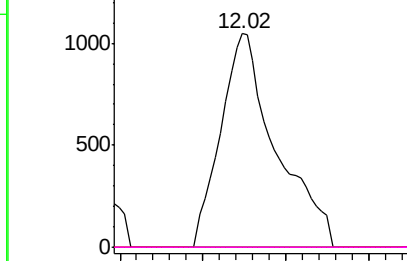
#74
N-amvl acetate
Concen: 0.714 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Instrument :
MSVOA_N
ClientSampleId :
VNJ-204

Tot Ion: 43 Resp: 2430
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#

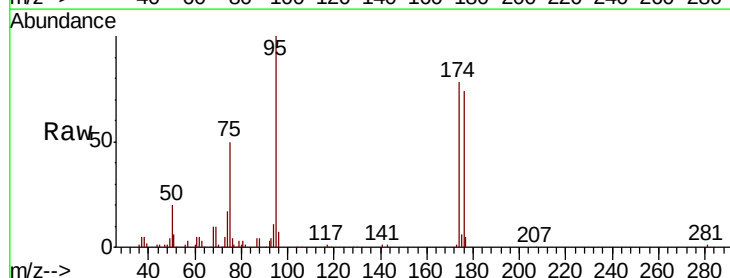


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

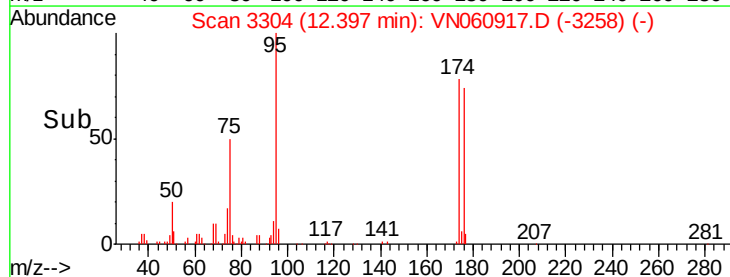
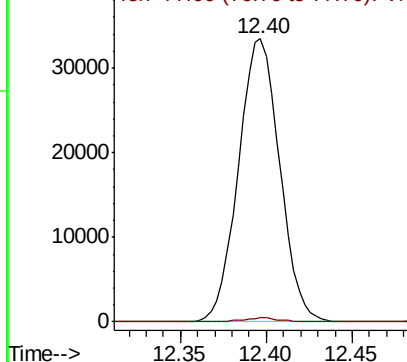


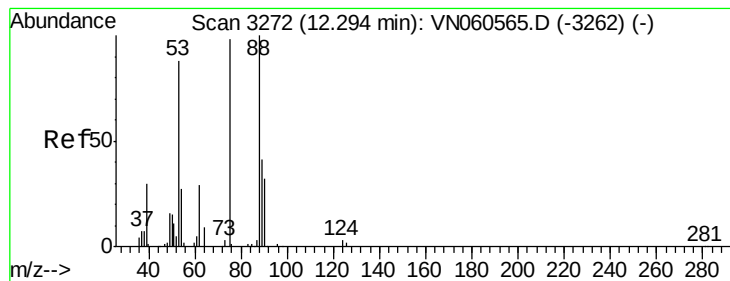
#76
1,2,3-Trichloropropane
Concen: 26.279 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060917.D
Acq: 13 Apr 2020 22:50

Tgt Ion: 75 Resp: 55612
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 67.492 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060917.D

Acq: 13 Apr 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

VNJ-204

Tot Ion: 75 Resp: 55612

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

