

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060938.D
 Acq On : 14 Apr 2020 17:00
 Operator : JC/MD
 Sample : L2230-70
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-40-41-42

Quant Time: Apr 15 07:47:28 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	144155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	248172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	233447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105164	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	96895	48.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.92%	
35) Dibromofluoromethane	7.56	113	72936	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	309079	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.39	95	116575	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	

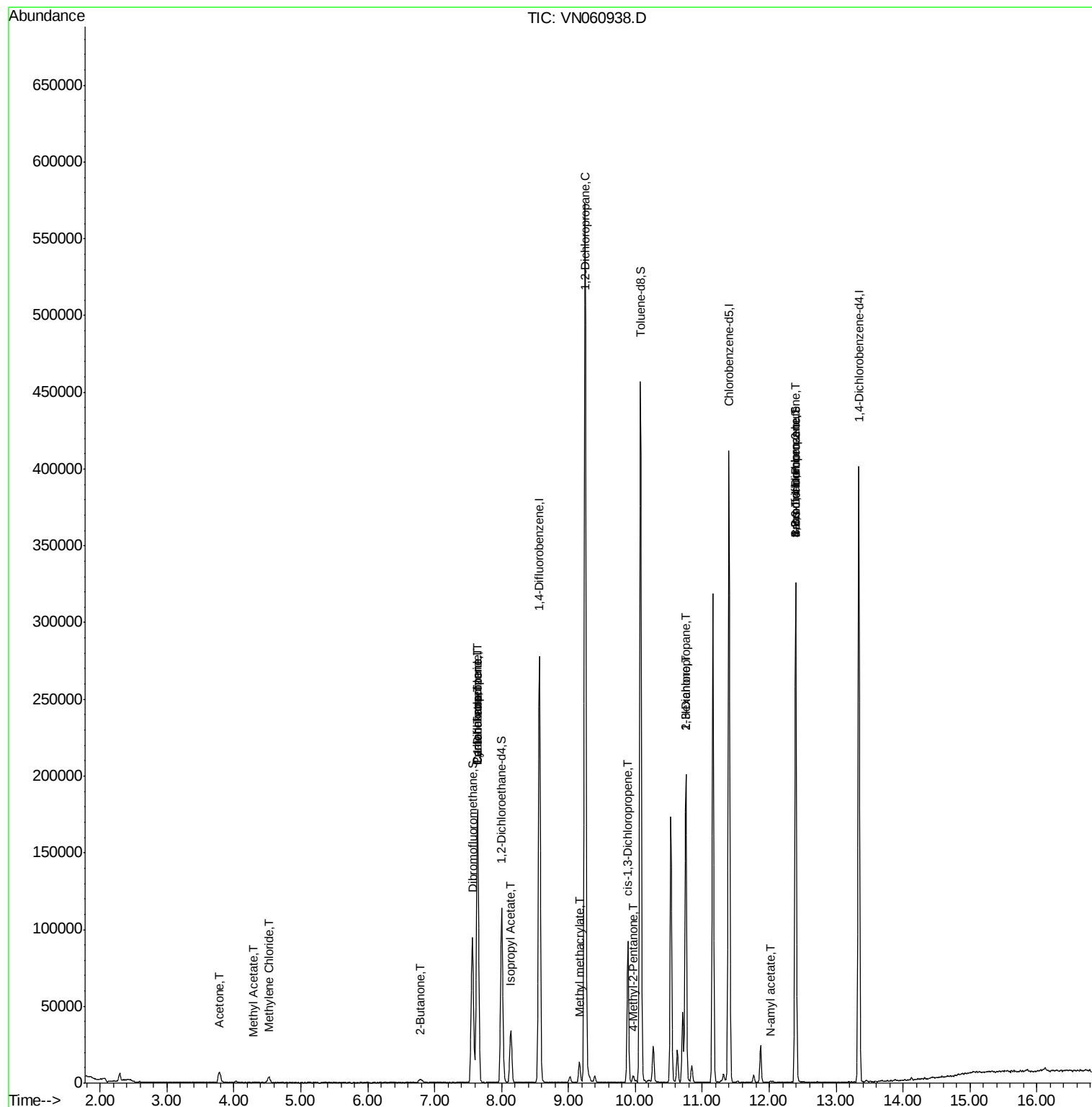
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13528	19.299	ug/l	99
18) Methyl Acetate	4.30	43	920	0.466	ug/l #	54
20) Methylene Chloride	4.53	84	2858	1.657	ug/l	96
25) 2-Butanone	6.80	43	3734	3.292	ug/l #	90
31) Cyclohexane	7.64	56	3027	0.950	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11820	4.919	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14007	6.503	ug/l #	16
43) Isopropyl Acetate	8.14	43	41729	9.745	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	626	0.327	ug/l #	43
48) Methyl methacrylate	9.16	41	2114	1.109	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	2750	1.129	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	16551	5.462	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	1976	0.676	ug/l #	42
59) 2-Hexanone	10.75	43	29826	16.992	ug/l #	52
71) Bromoform	12.39	173	351	1.924	ug/l #	1
74) N-amyl acetate	12.02	43	1556	0.427	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	59792	26.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	59792	67.672	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

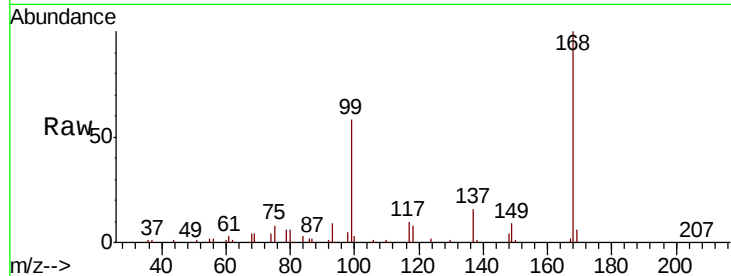
TP-40-41-42

Tot Ion:168 Resp: 144155

Ion Ratio Lower Upper

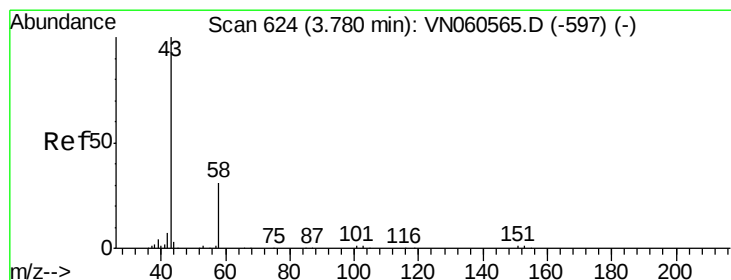
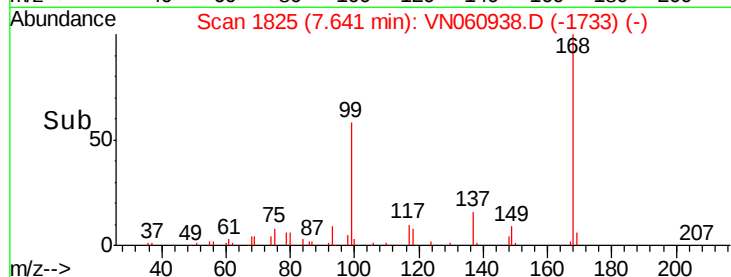
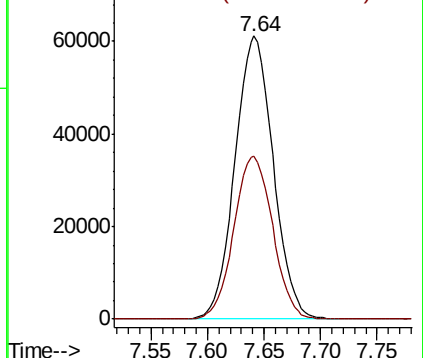
168 100

99 57.6 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: 19.299 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060938.D

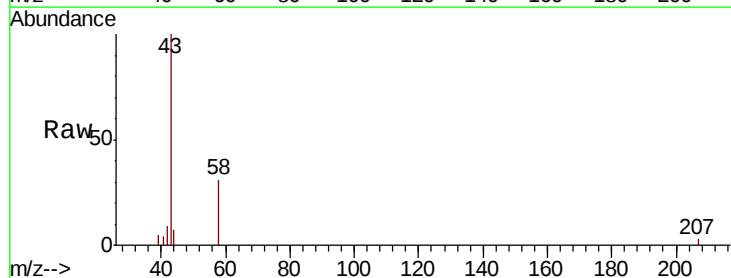
Acq: 14 Apr 2020 17:00

Tgt Ion: 43 Resp: 13528

Ion Ratio Lower Upper

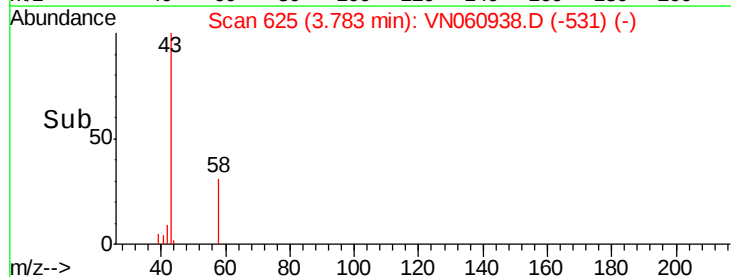
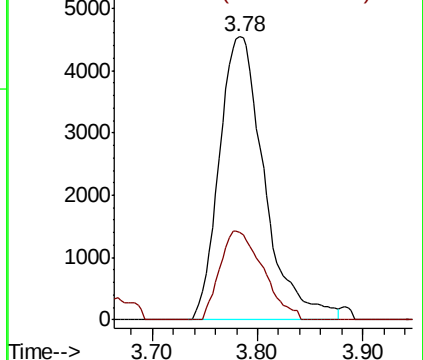
43 100

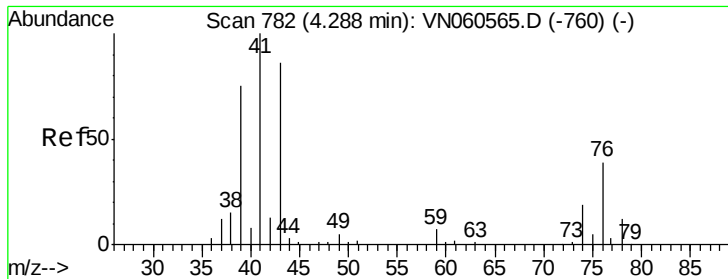
58 30.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

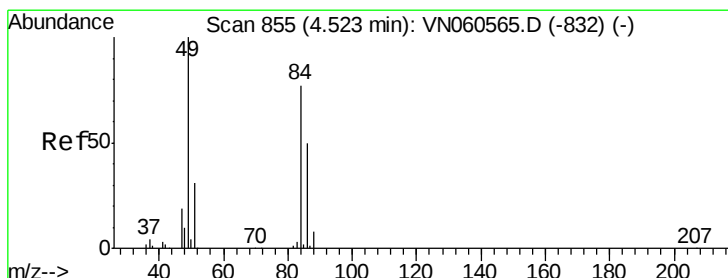
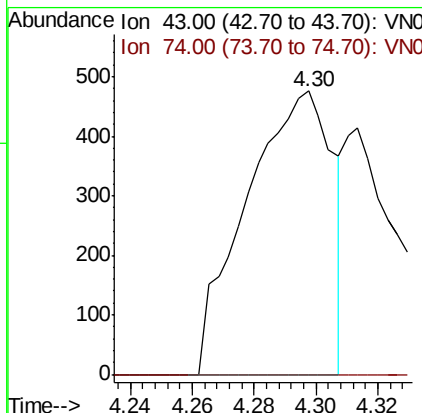
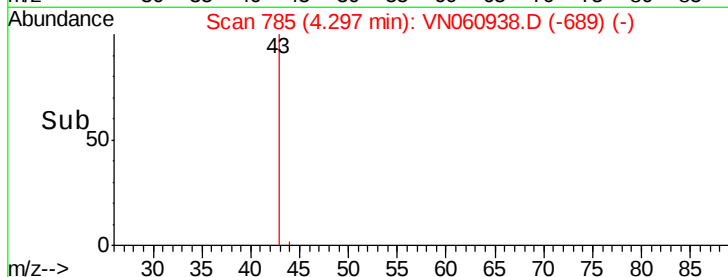
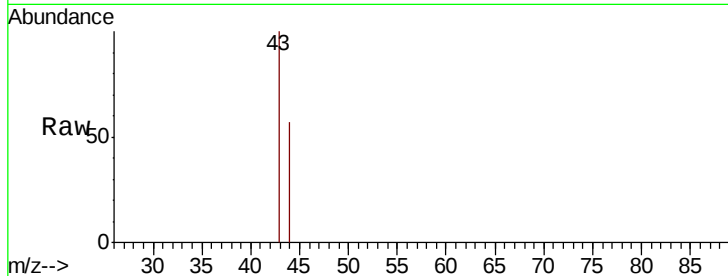




#18
Methyl Acetate
Concen: 0.466 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

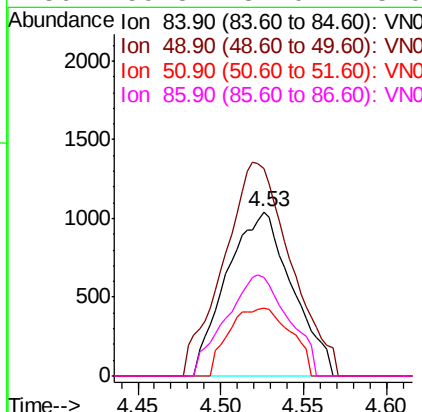
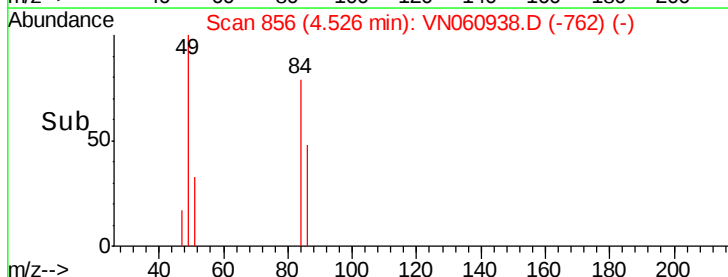
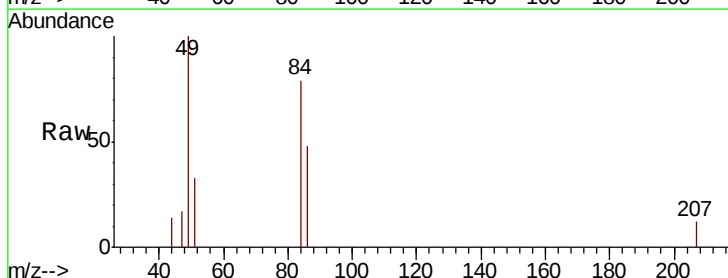
Instrument :
MSVOA_N
ClientSampled :
TP-40-41-42

Tot Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.657 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

Tgt Ion: 84 Resp: 2858
Ion Ratio Lower Upper
84 100
49 125.9 103.3 154.9
51 41.1 31.6 47.4
86 59.8 52.0 78.0

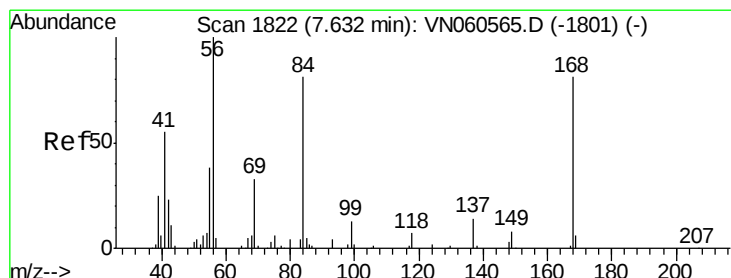
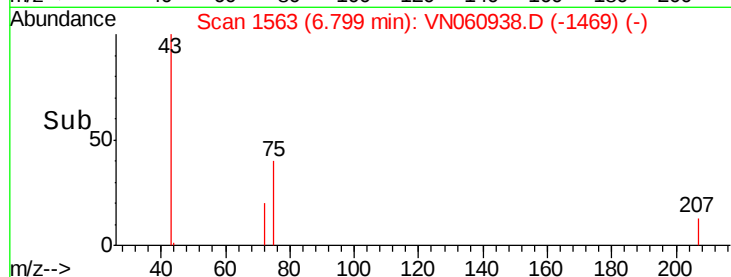
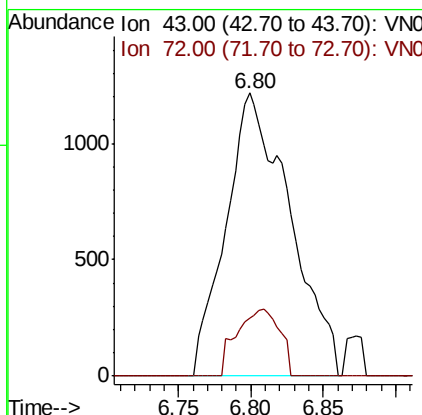
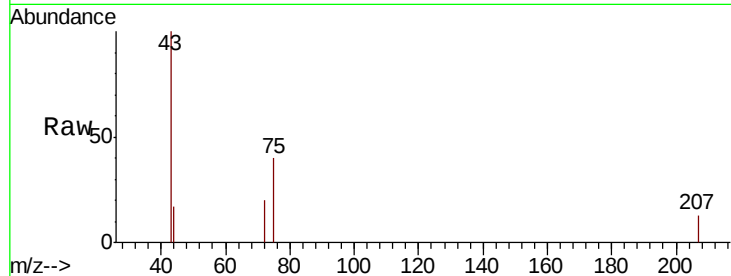




#25
2-Butanone
Concen: 3.292 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

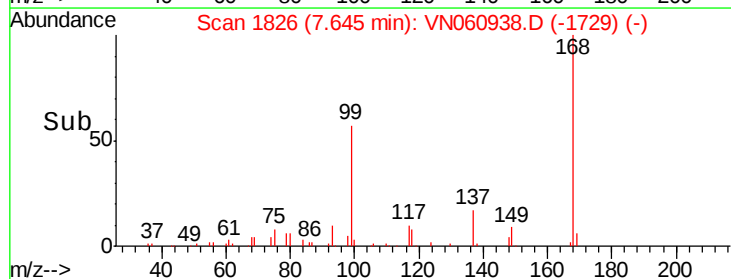
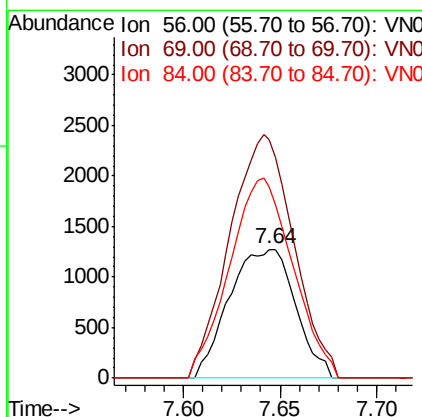
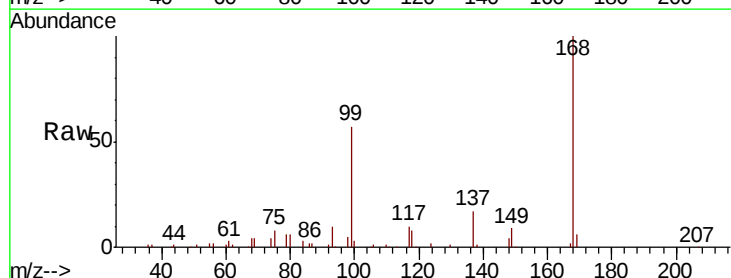
Instrument :
MSVOA_N
ClientSampled :
TP-40-41-42

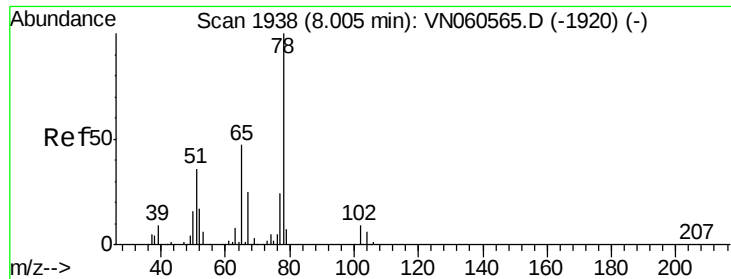
Tot Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
72 20.4 20.4 30.6#



#31
Cyclohexane
Concen: 0.950 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

Tgt Ion: 56 Resp: 3027
Ion Ratio Lower Upper
56 100
69 185.2 26.6 40.0#
84 148.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.964 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

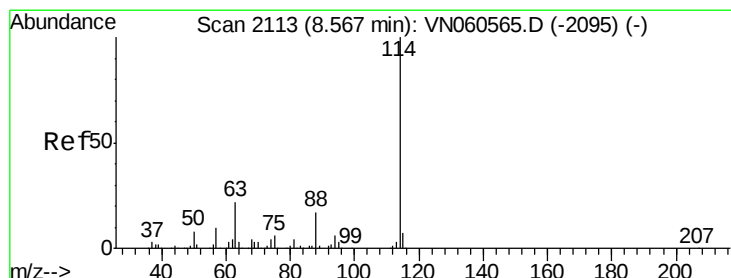
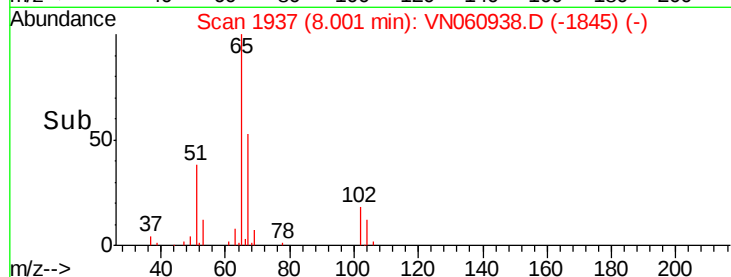
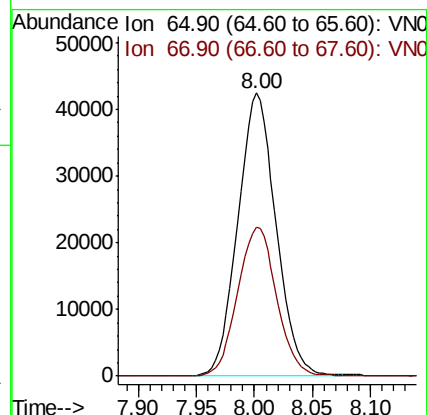
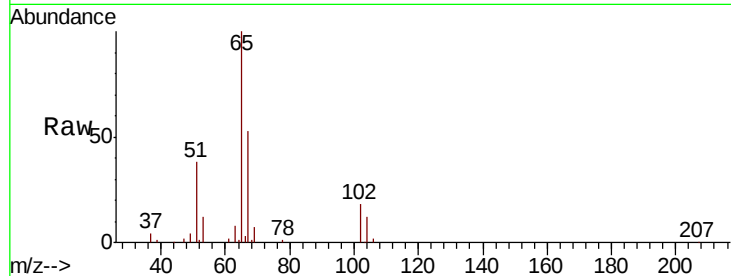
TP-40-41-42

Tot Ion: 65 Resp: 96895

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

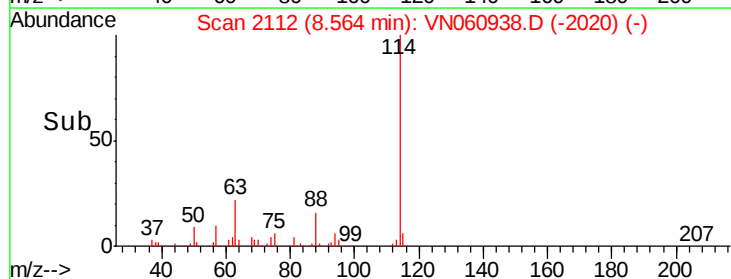
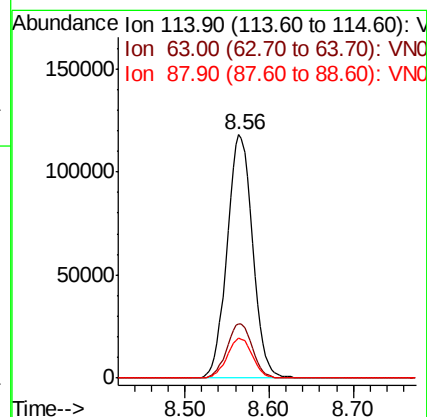
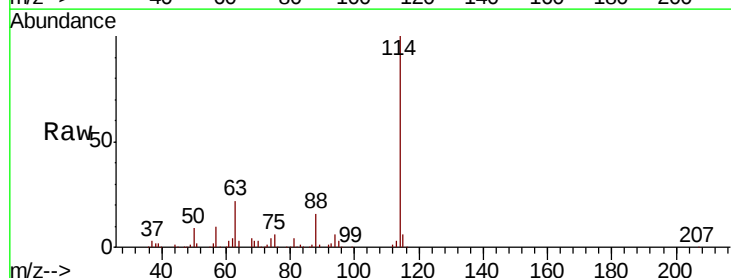
Tgt Ion: 114 Resp: 248172

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 16.3 0.0 33.0

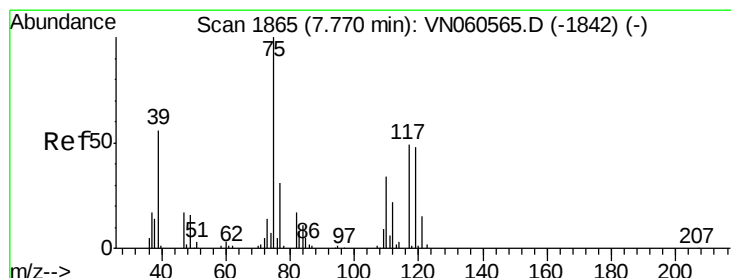
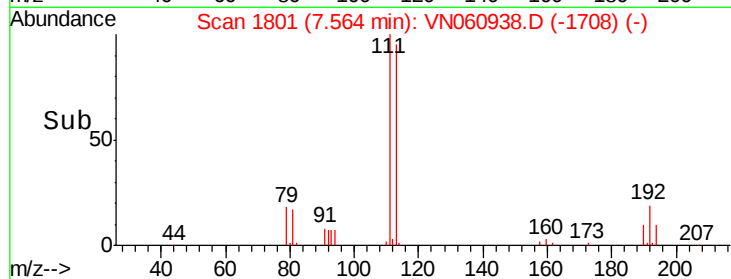
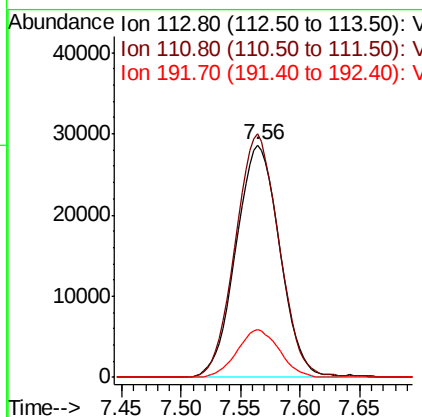
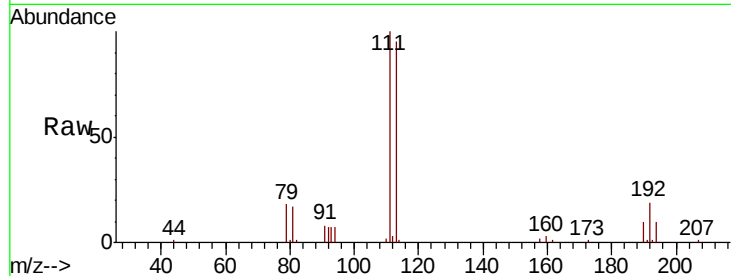




#35
 Dibromofluoromethane
 Concen: 48.604 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060938.D
 Acq: 14 Apr 2020 17:00

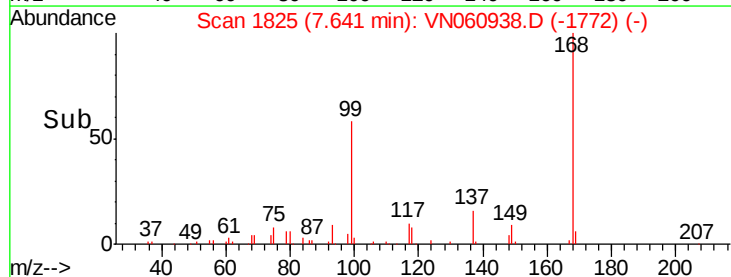
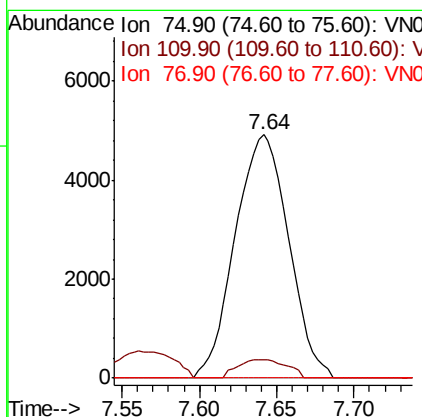
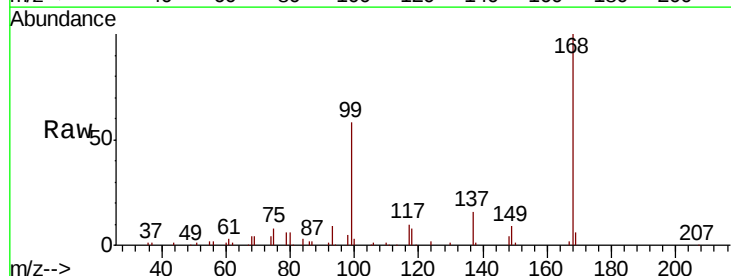
Instrument :
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 TP-40-41-42

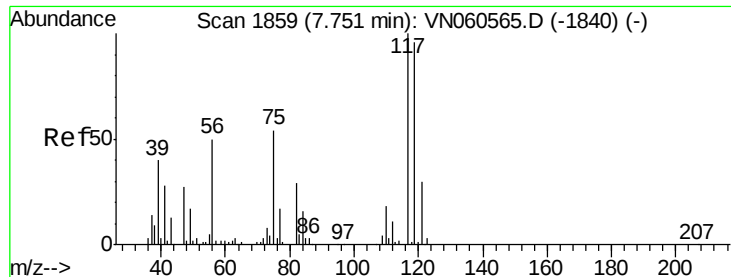
Tot Ion:113 Resp: 72936
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060938.D
 Acq: 14 Apr 2020 17:00

Tgt Ion: 75 Resp: 11820
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampled :

TP-40-41-42

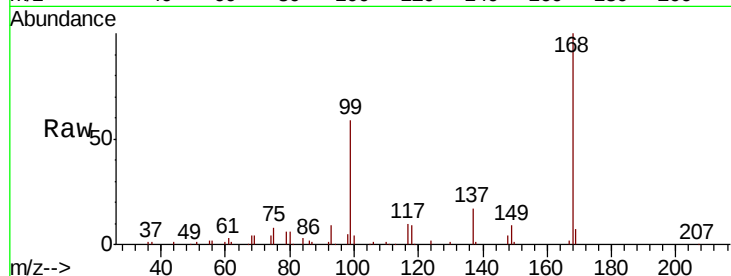
Tot Ion:117 Resp: 14007

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

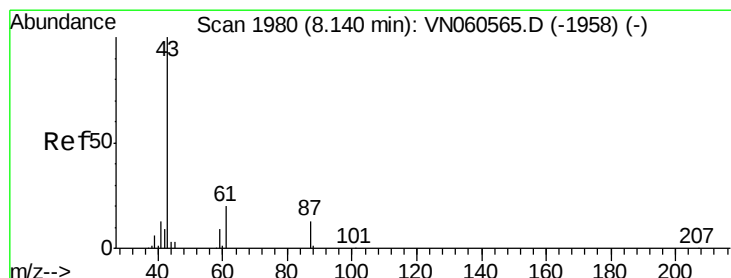
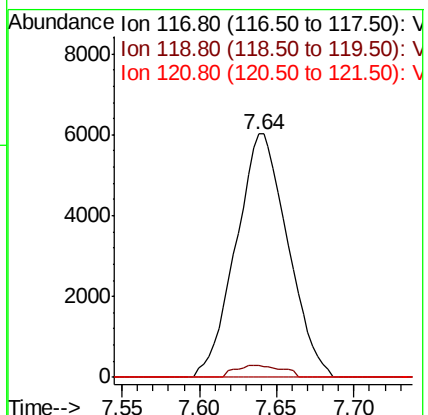
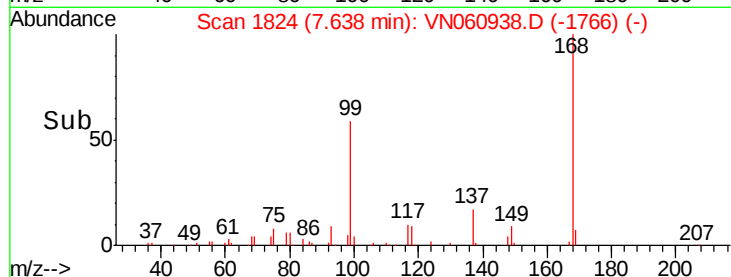
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.745 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

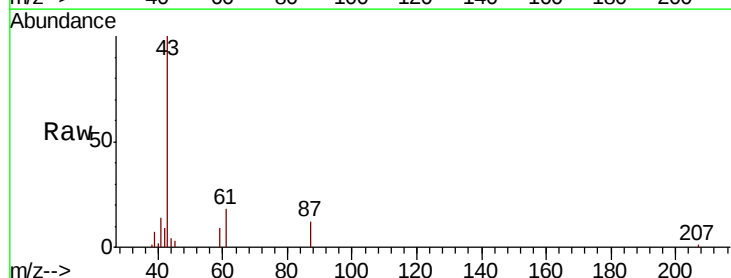
Tgt Ion: 43 Resp: 41729

Ion Ratio Lower Upper

43 100

61 18.1 20.7 31.1#

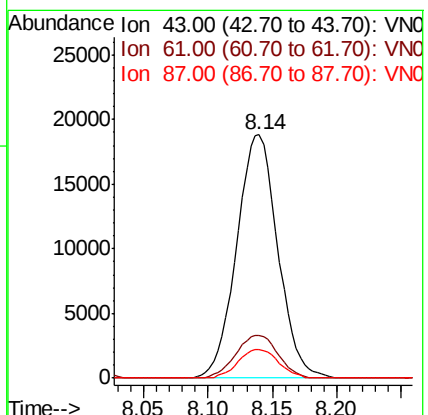
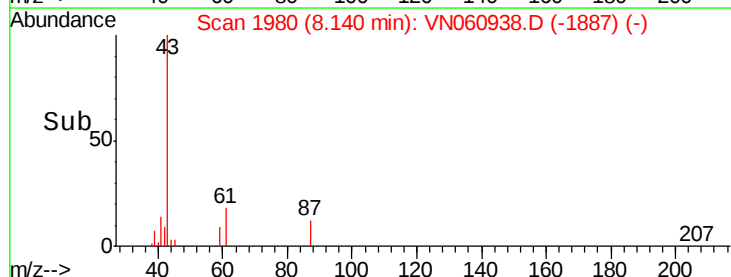
87 11.5 9.8 14.8

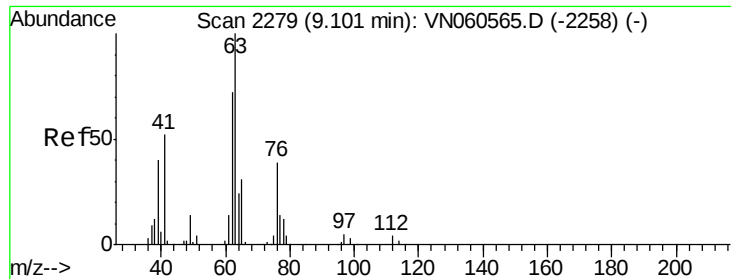


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

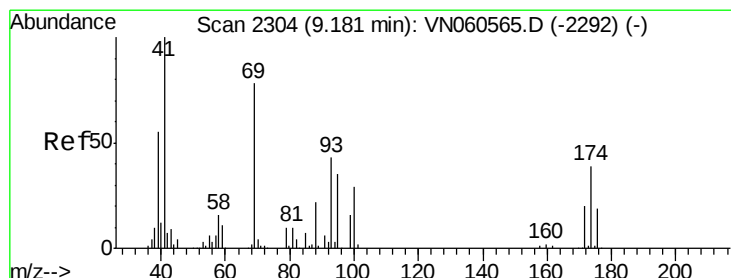
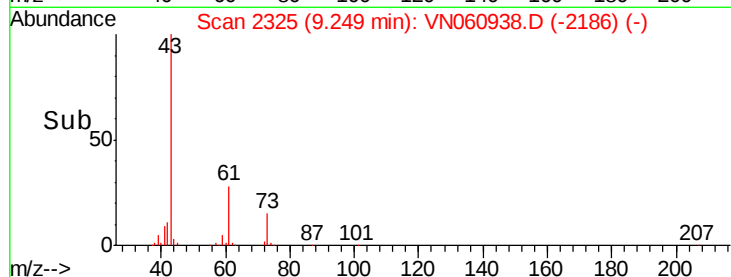
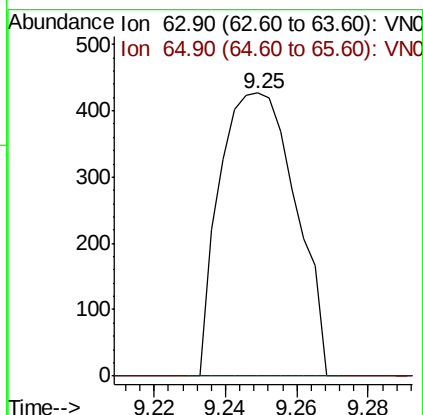
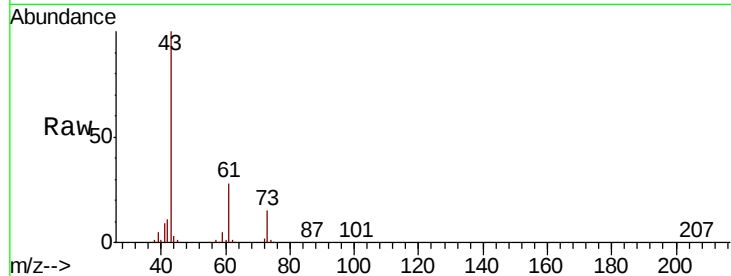




#45
 1,2-Dichloropropane
 Concen: 0.327 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060938.D
 Acq: 14 Apr 2020 17:00

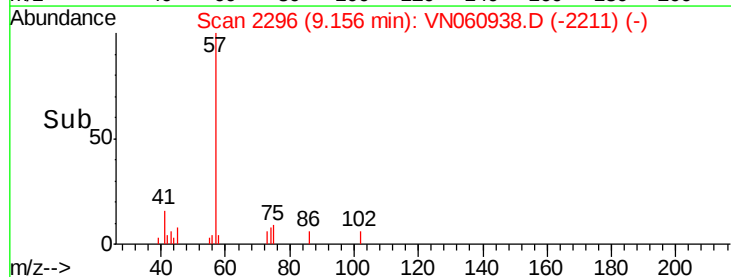
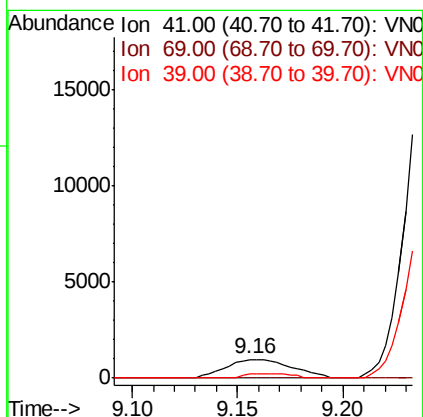
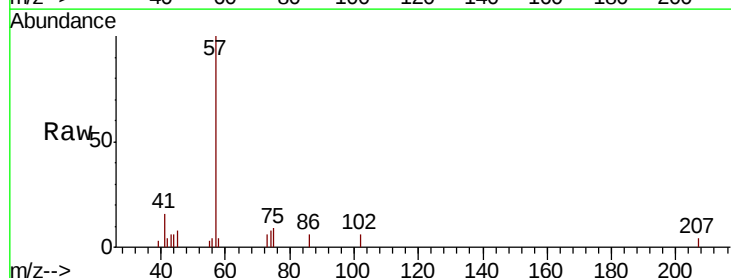
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-40-41-42

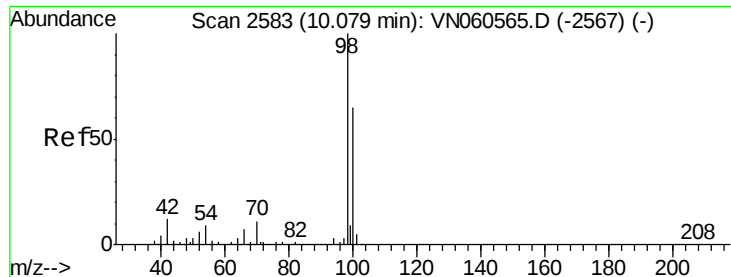
Tot Ion: 63 Resp: 626
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.109 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060938.D
 Acq: 14 Apr 2020 17:00

Tgt Ion: 41 Resp: 2114
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.425 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

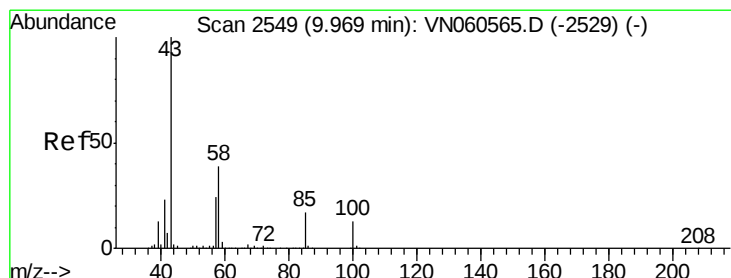
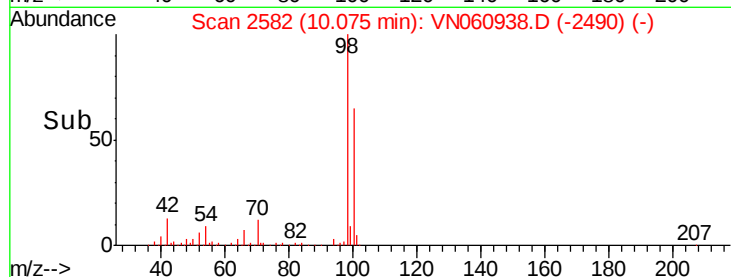
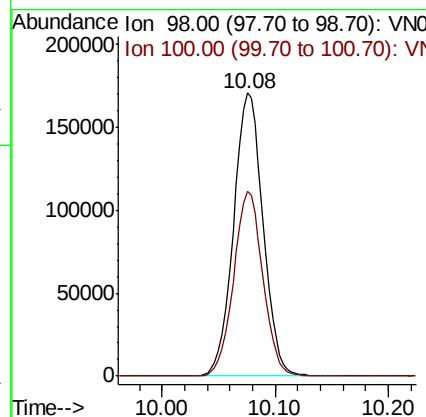
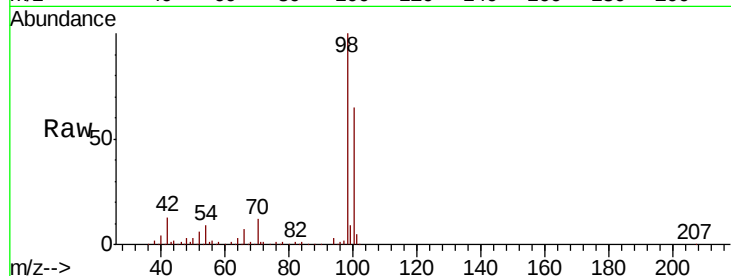
TP-40-41-42

Tot Ion: 98 Resp: 309079

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.129 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060938.D

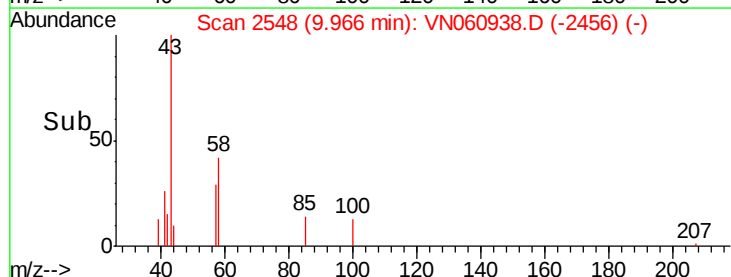
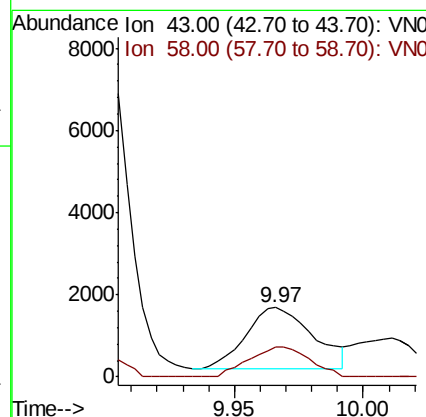
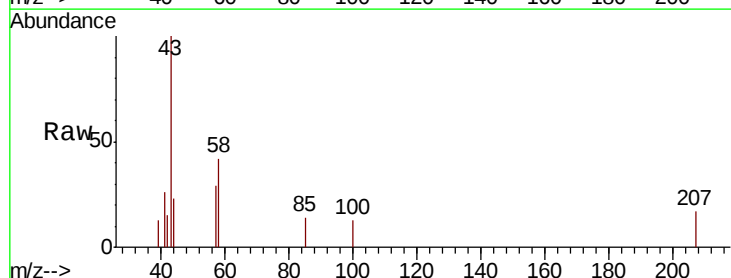
Acq: 14 Apr 2020 17:00

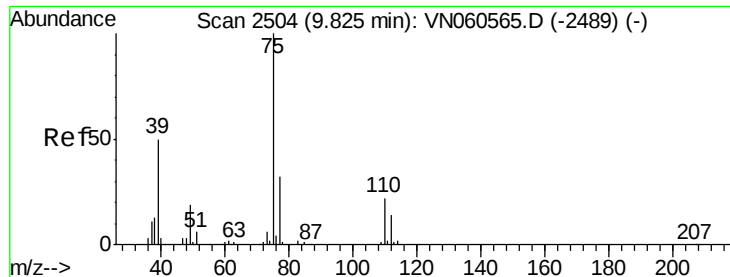
Tgt Ion: 43 Resp: 2750

Ion Ratio Lower Upper

43 100

58 43.7 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 5.462 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

TP-40-41-42

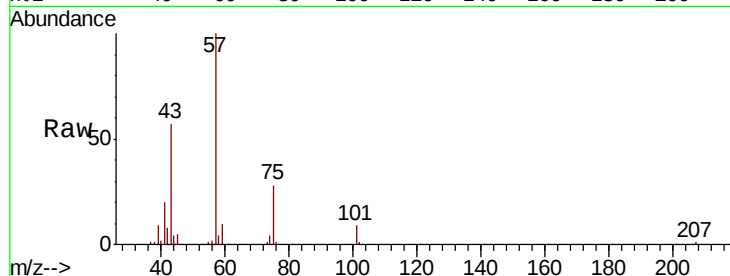
Tot Ion: 75 Resp: 16551

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

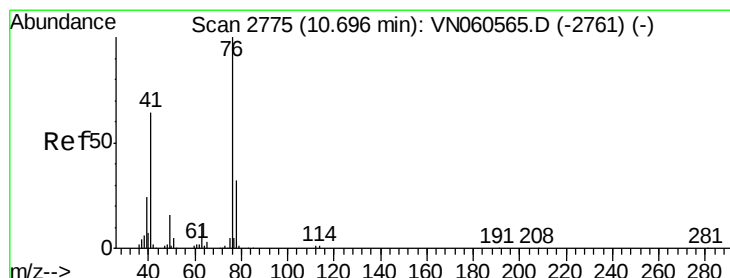
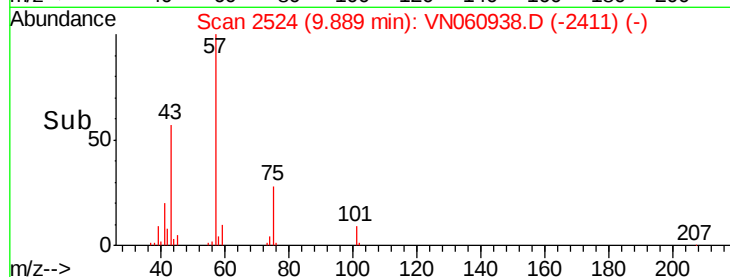
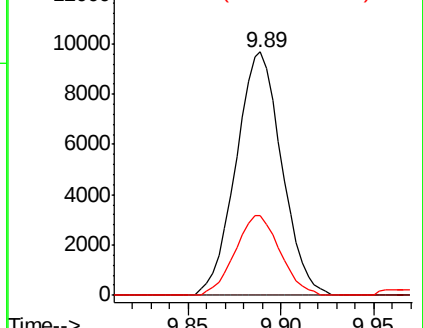
39 32.6 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060938.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060938.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060938.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.676 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060938.D

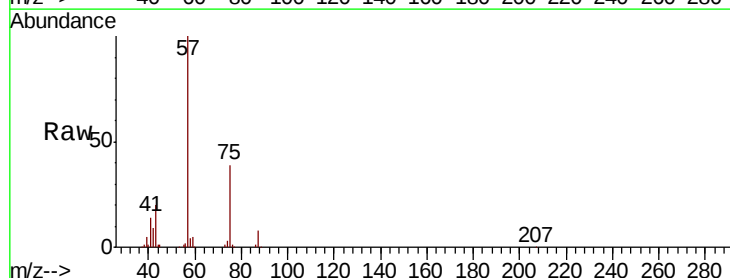
Acq: 14 Apr 2020 17:00

Tgt Ion: 76 Resp: 1976

Ion Ratio Lower Upper

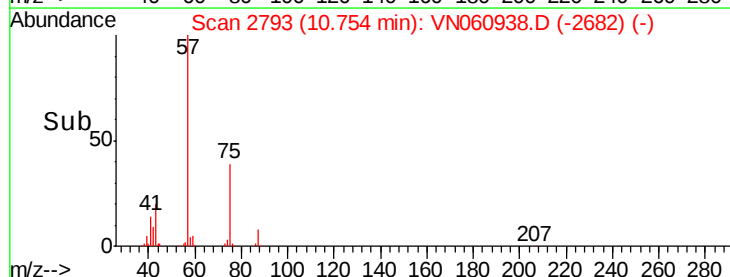
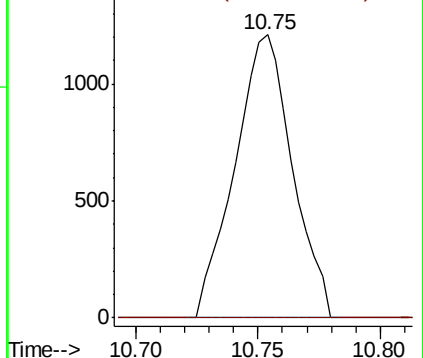
76 100

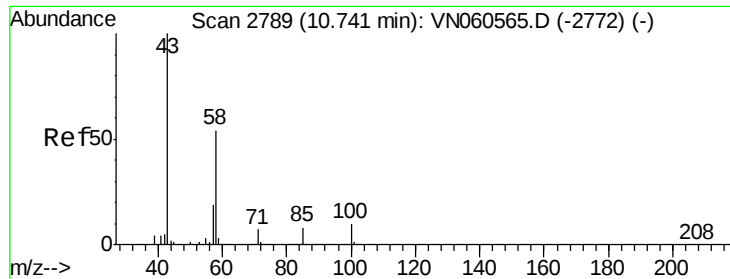
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060938.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060938.D (-2682) (-)

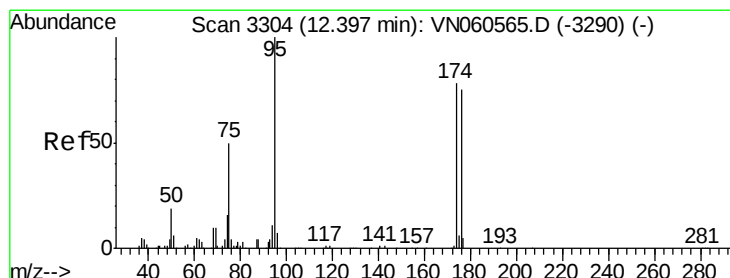
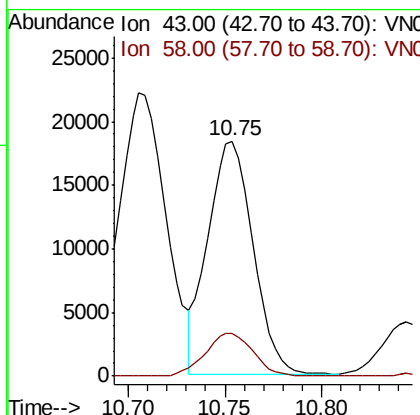
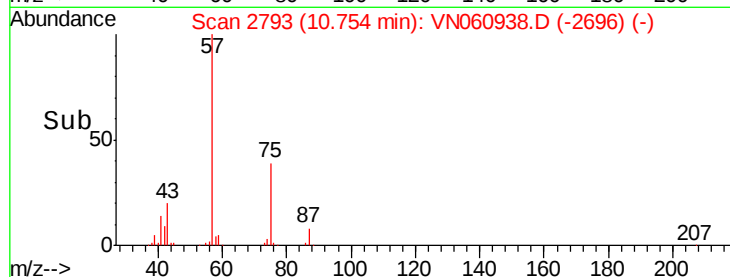
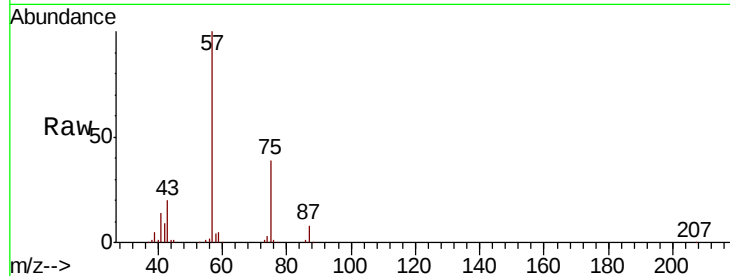




#59
2-Hexanone
Concen: 16.992 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

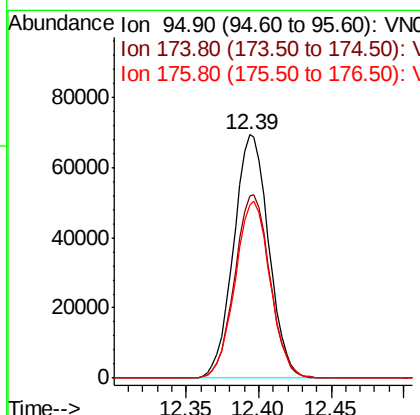
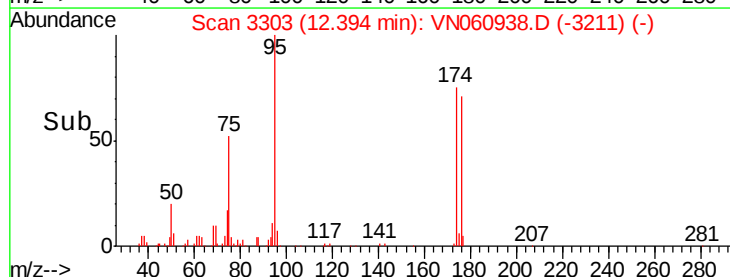
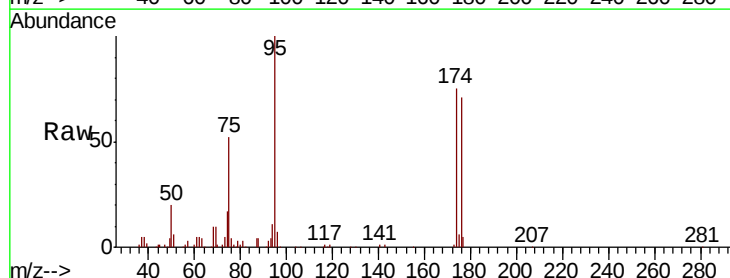
Instrument :
MSVOA_N
ClientSampled :
TP-40-41-42

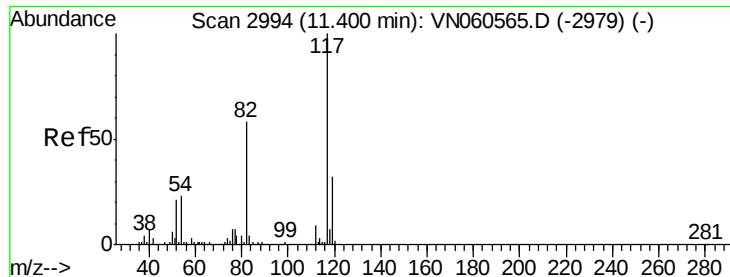
Tot Ion: 43 Resp: 29826
Ion Ratio Lower Upper
43 100
58 19.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.895 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.00 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

Tgt Ion: 95 Resp: 116575
Ion Ratio Lower Upper
95 100
174 75.5 0.0 157.6
176 72.8 0.0 150.6

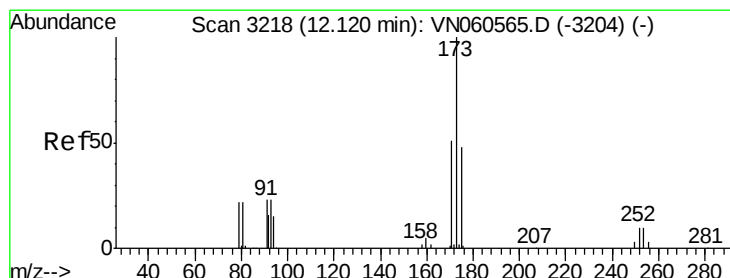
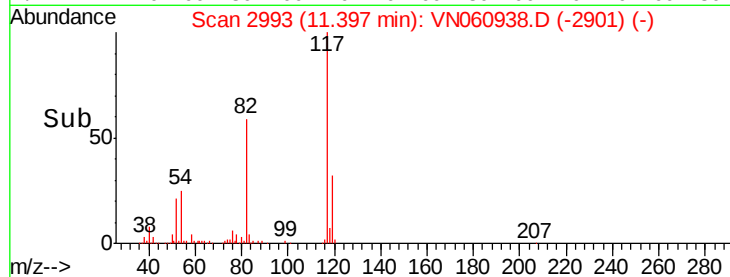
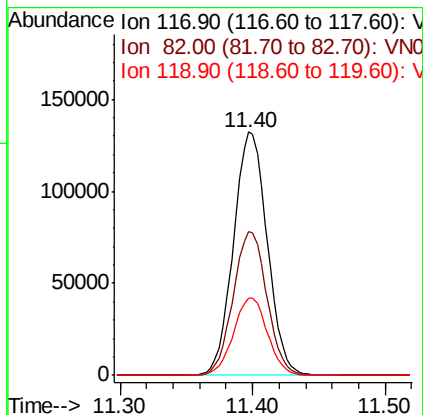
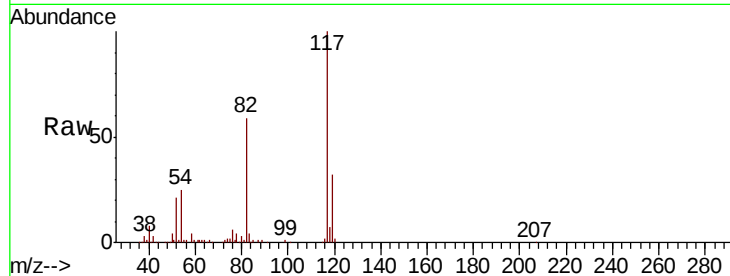




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

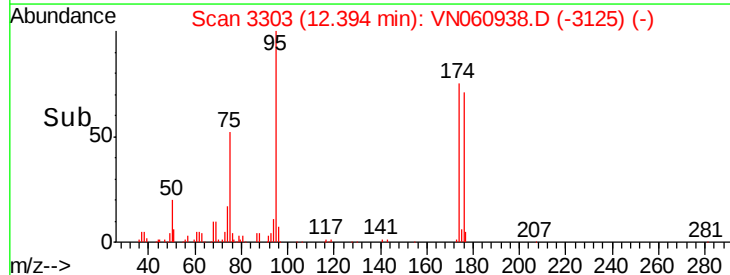
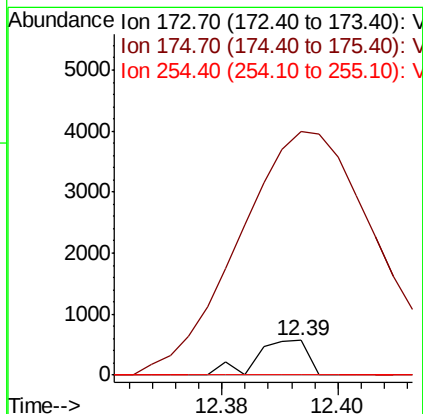
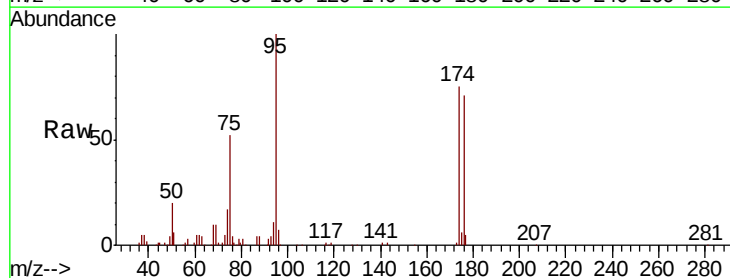
Instrument :
MSVOA_N
ClientSampleId :
TP-40-41-42

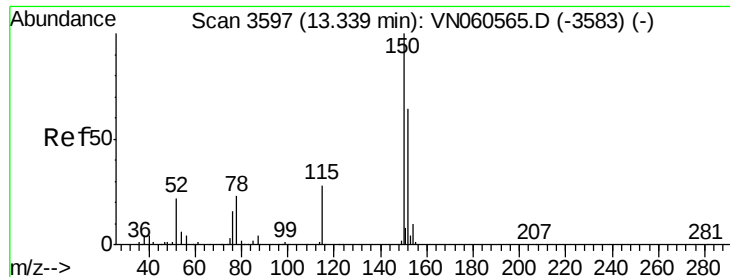
Tot Ion:117 Resp: 233447
Ion Ratio Lower Upper
117 100
82 59.0 46.7 70.1
119 31.8 25.5 38.3



#71
Bromoform
Concen: 1.924 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060938.D
Acq: 14 Apr 2020 17:00

Tgt Ion:173 Resp: 351
Ion Ratio Lower Upper
173 100
175 1650.7 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

TP-40-41-42

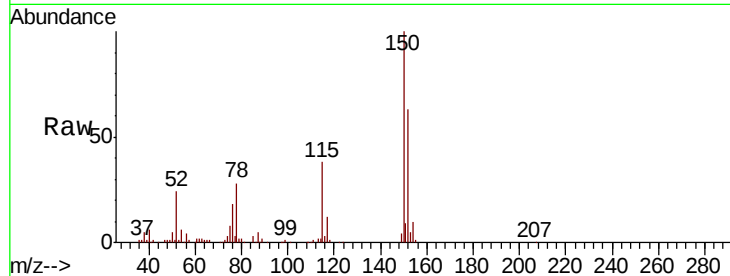
Tot Ion:152 Resp: 105164

Ion Ratio Lower Upper

152 100

115 60.8 30.2 90.6

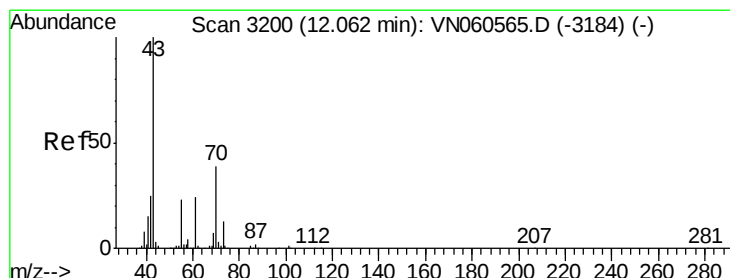
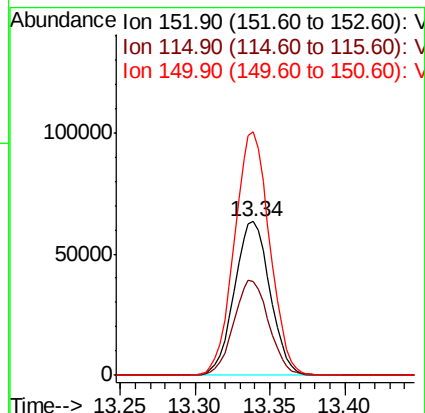
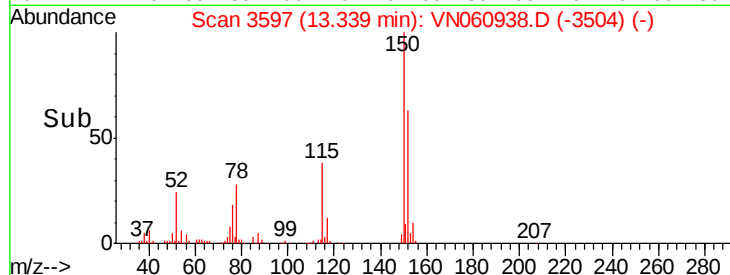
150 156.8 0.0 350.2



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-ethyl acetate

Concen: 0.427 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Tgt Ion: 43 Resp: 1556

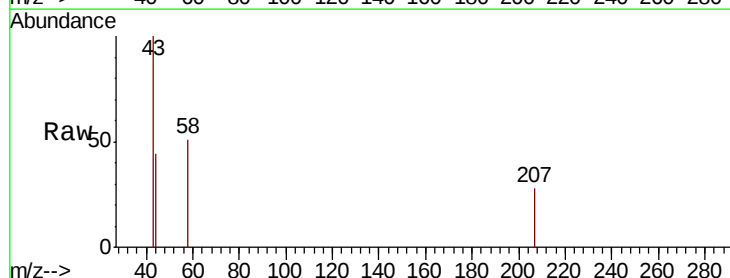
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

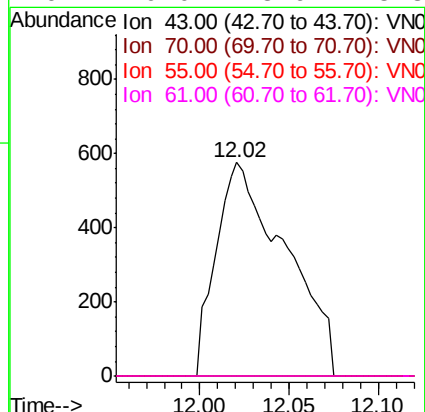
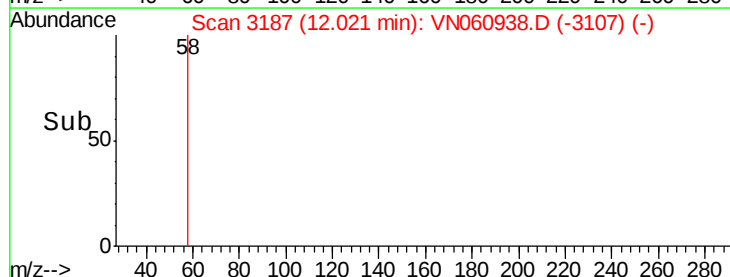


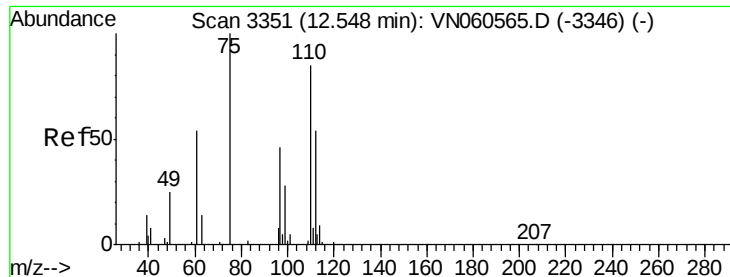
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.349 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Instrument :

MSVOA_N

ClientSampled :

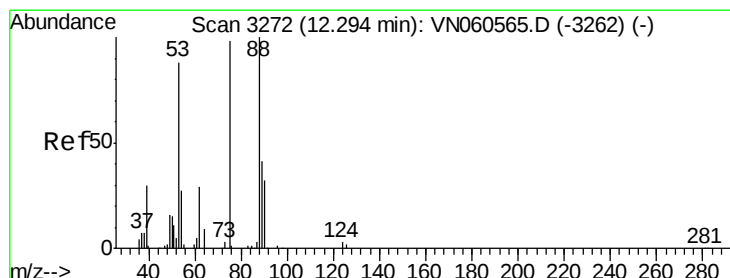
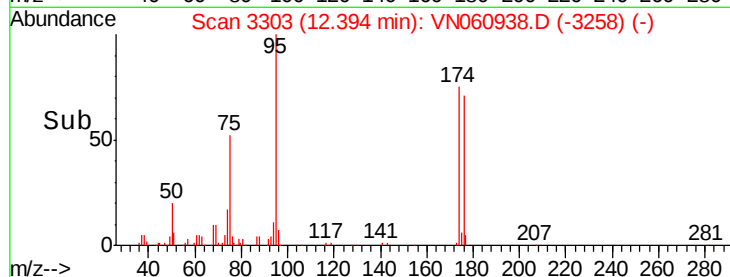
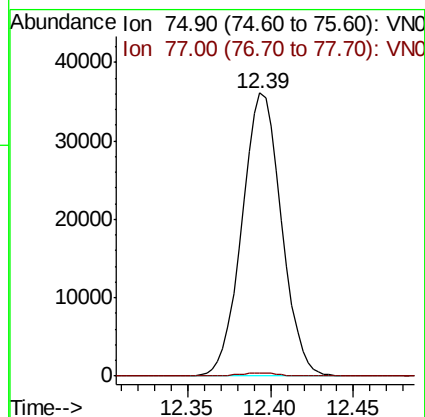
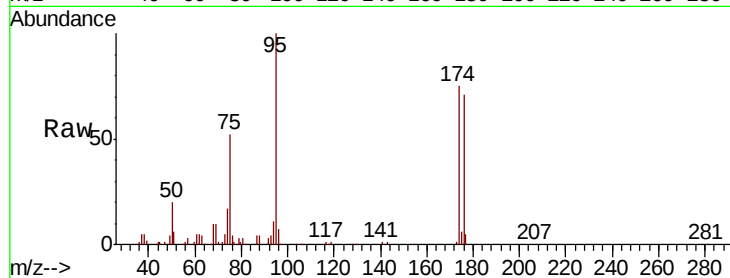
TP-40-41-42

Tot Ion: 75 Resp: 59792

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.672 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060938.D

Acq: 14 Apr 2020 17:00

Tgt Ion: 75 Resp: 59792

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

