

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060852.D
 Acq On : 6 Apr 2020 15:35
 Operator : JC/MD
 Sample : L2129-34
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Apr 07 07:05:00 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	213349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	134899	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	7.56	113	105512	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.08	98	437398	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	161174	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

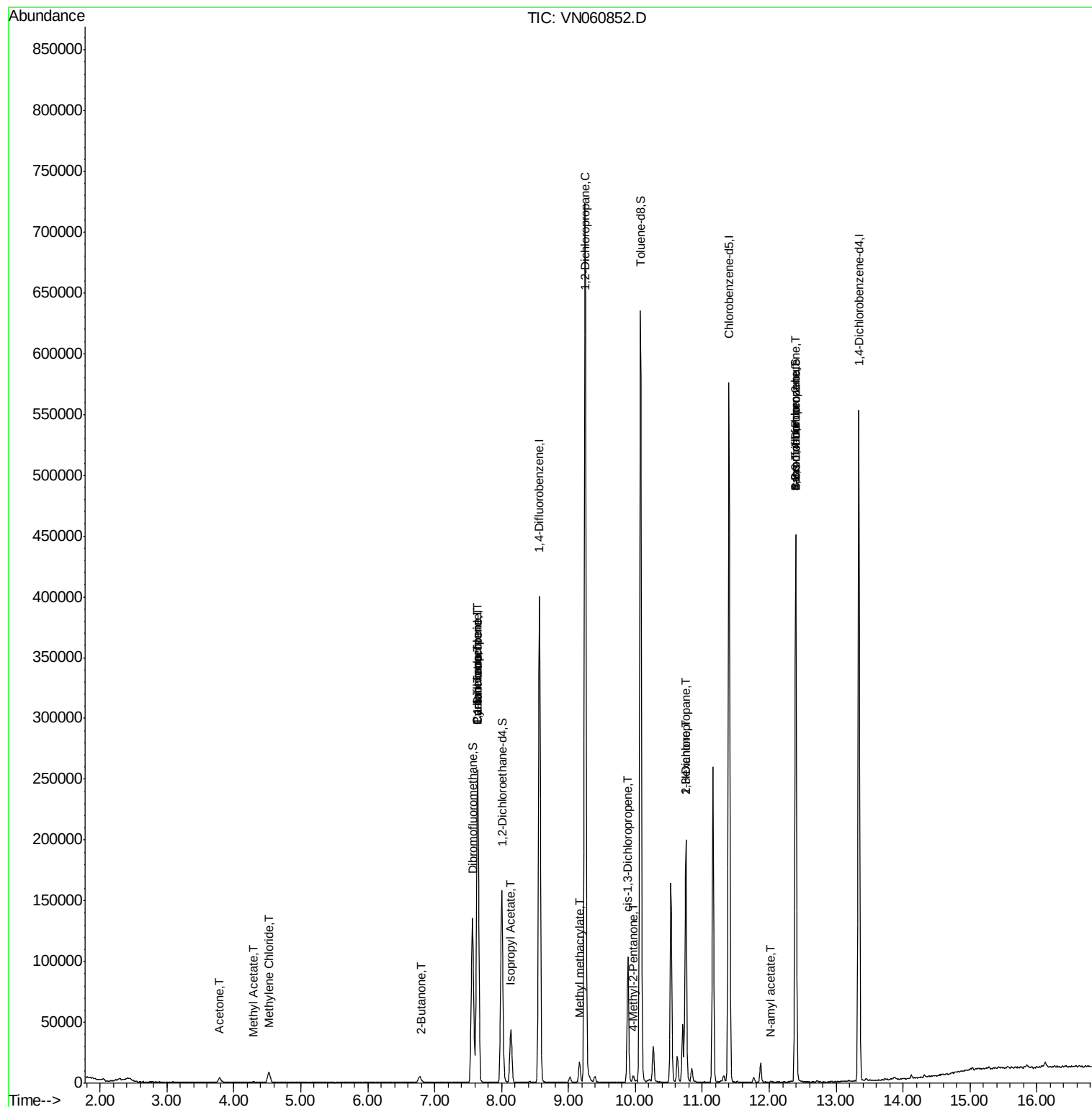
						Qvalue
16) Acetone	3.79	43	7355	7.090	ug/l	100
18) Methyl Acetate	4.29	43	2043	0.700	ug/l #	60
20) Methylene Chloride	4.53	84	6412	2.512	ug/l	91
25) 2-Butanone	6.81	43	1711	1.019	ug/l #	50
31) Cyclohexane	7.64	56	4546	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16302	4.755	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19975	6.500	ug/l #	17
43) Isopropyl Acetate	8.14	43	53330	8.729	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	737	0.270	ug/l #	43
48) Methyl methacrylate	9.16	41	2507	0.922	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4110	1.182	ug/l #	85
54) cis-1,3-Dichloropropene	9.89	75	18145	4.197	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	1702	0.408	ug/l #	42
59) 2-Hexanone	10.75	43	30402	12.139	ug/l #	51
71) Bromoform	12.40	173	549	1.949	ug/l #	1
74) N-amyl acetate	12.02	43	1110	0.216	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	81489	25.529	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	81489	65.566	ug/l #	13

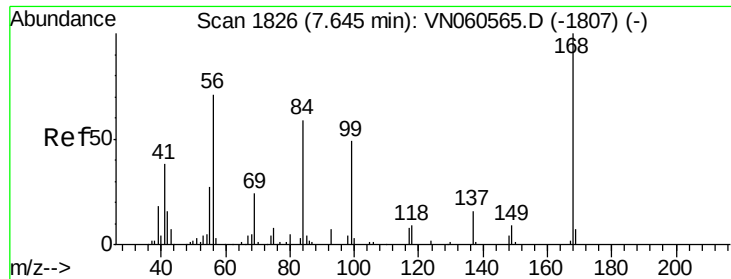
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060852.D

Acq: 6 Apr 2020 15:35

Instrument :

MSVOA_N

ClientSampled :

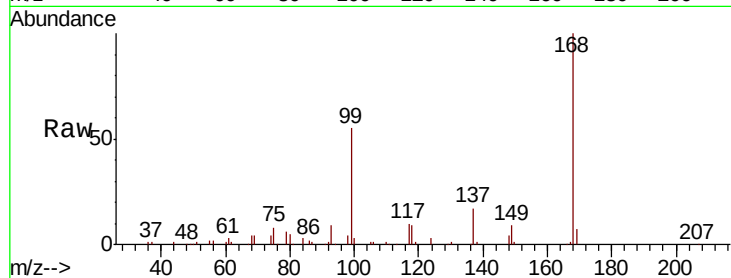
TP-5

Tot Ion:168 Resp: 213349

Ion Ratio Lower Upper

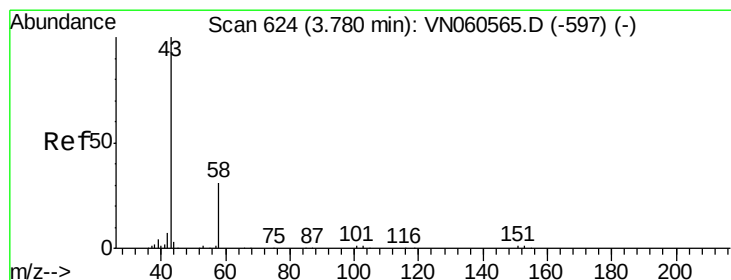
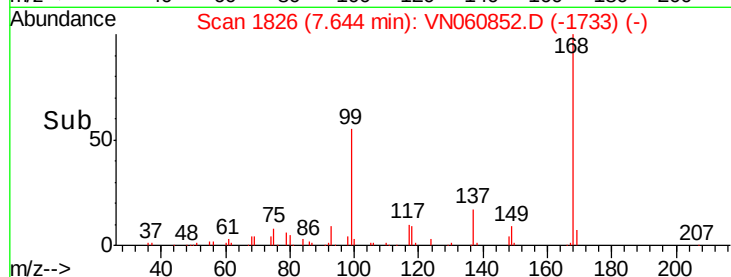
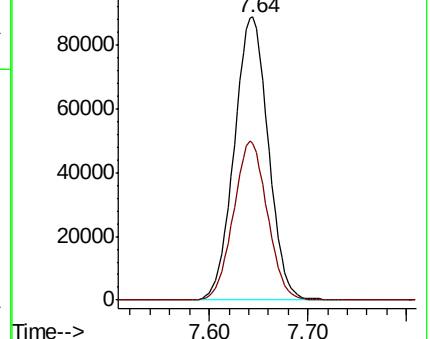
168 100

99 55.3 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: 7.090 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060852.D

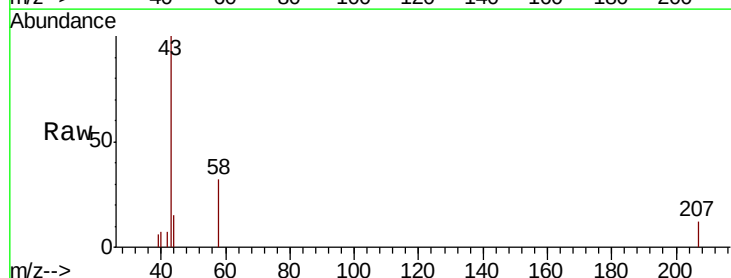
Acq: 6 Apr 2020 15:35

Tgt Ion: 43 Resp: 7355

Ion Ratio Lower Upper

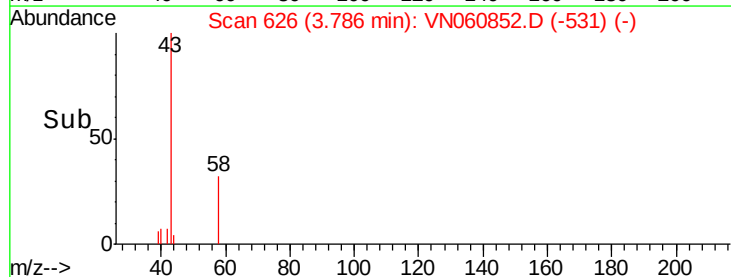
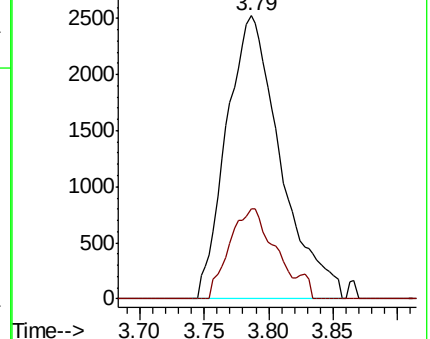
43 100

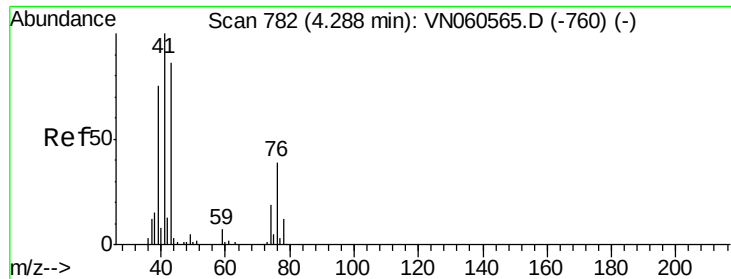
58 31.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

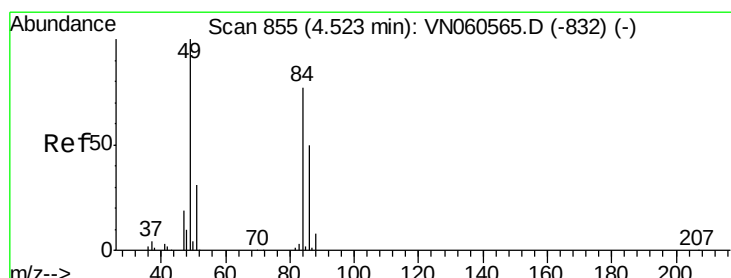
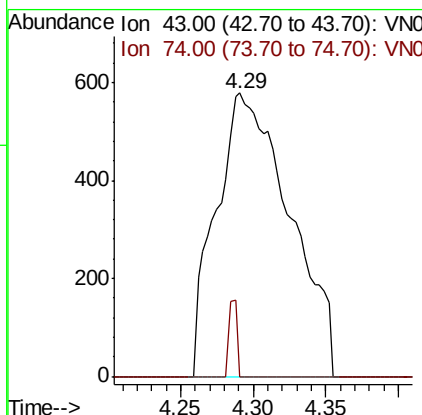
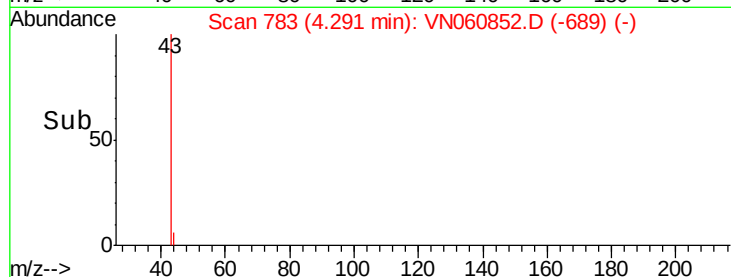
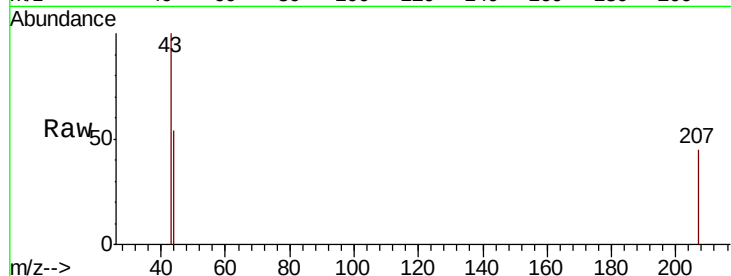




#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

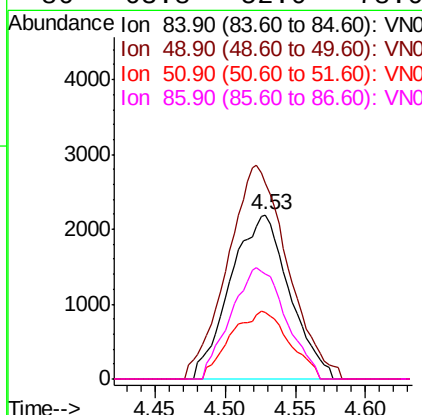
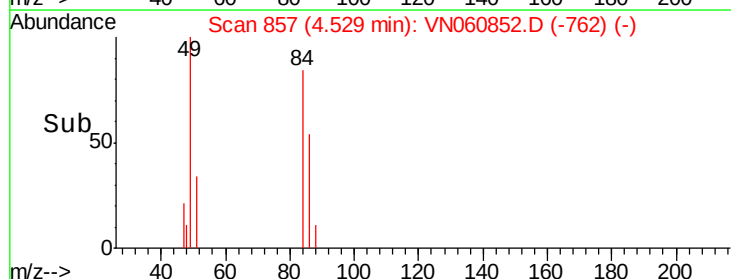
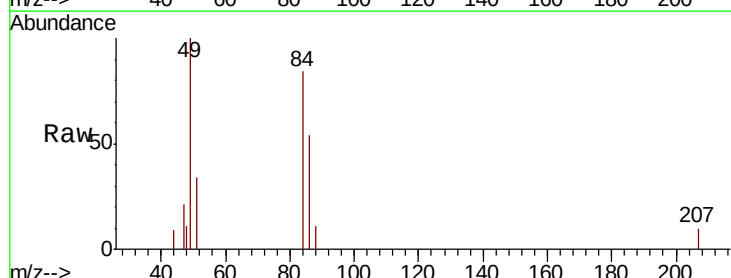
Instrument :
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ClientSampled :
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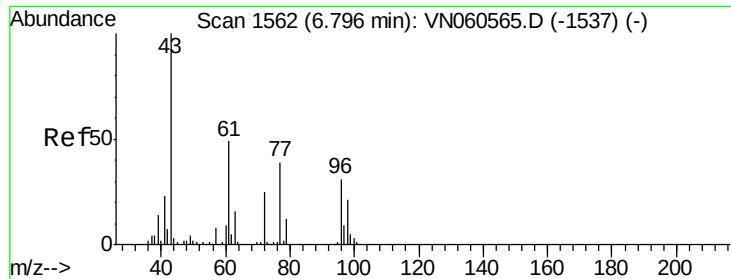
Tot Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
74 2.9 17.5 26.3#



#20
Methylene Chloride
Concen: 2.512 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Tgt Ion: 84 Resp: 6412
Ion Ratio Lower Upper
84 100
49 111.8 103.3 154.9
51 40.8 31.6 47.4
86 63.8 52.0 78.0

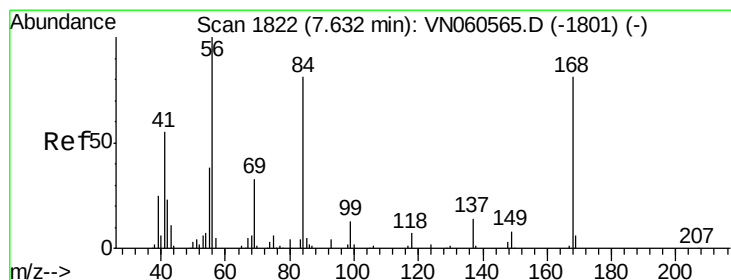
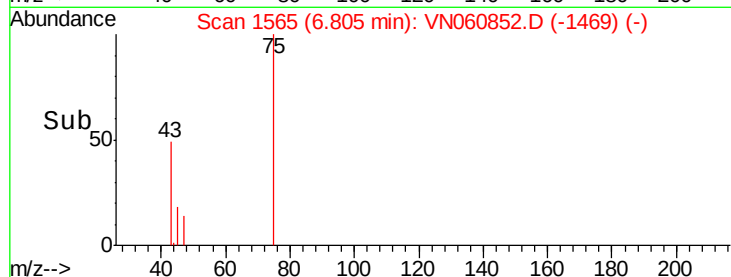
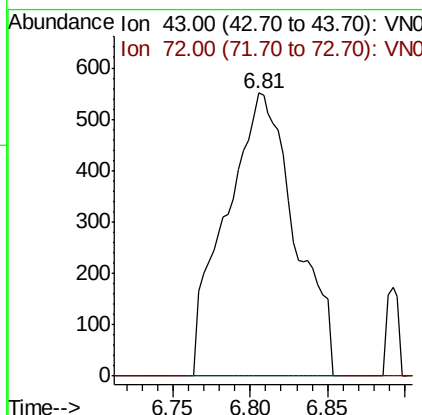
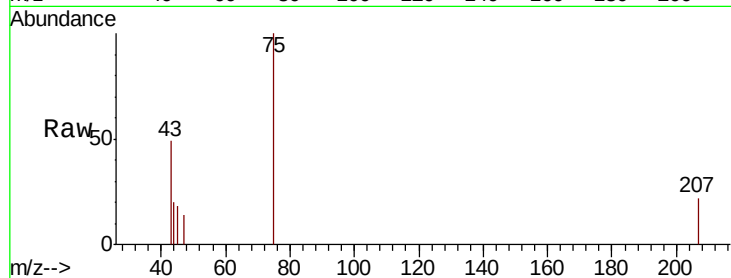




#25
2-Butanone
Concen: 1.019 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

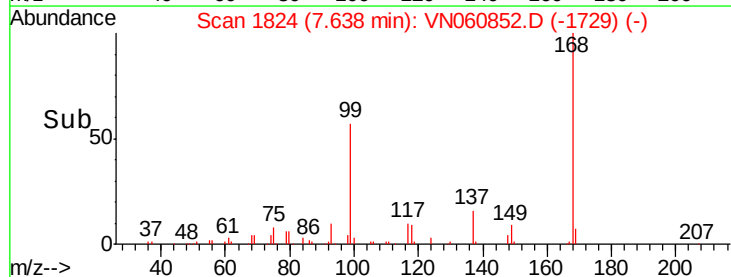
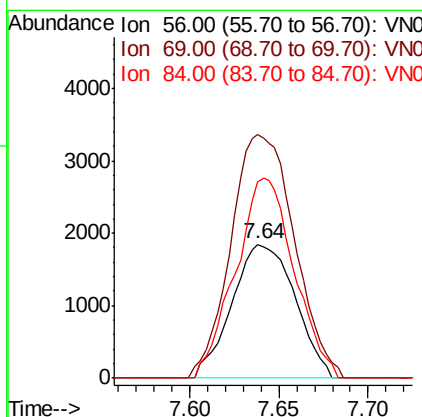
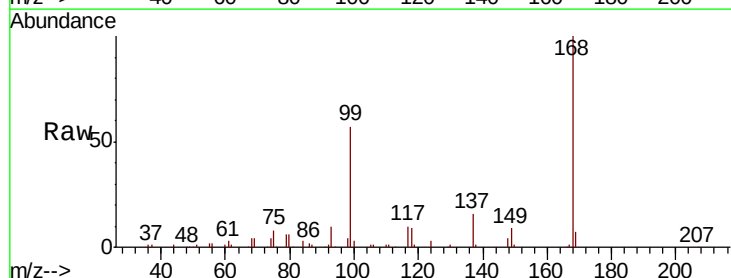
Instrument :
MSVOA_N
ClientSampled :
TP-5

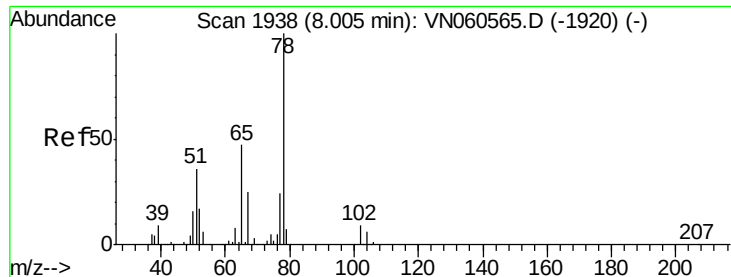
Tot Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.964 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Tgt Ion: 56 Resp: 4546
Ion Ratio Lower Upper
56 100
69 182.1 26.6 40.0#
84 147.2 64.3 96.5#

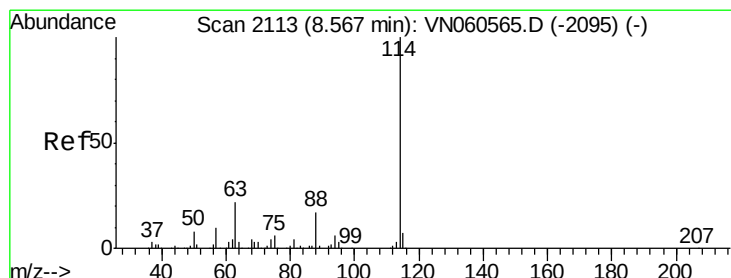
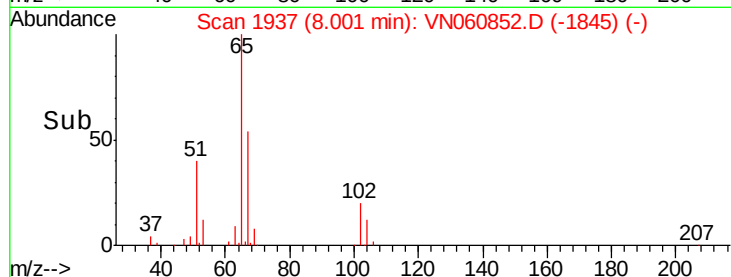
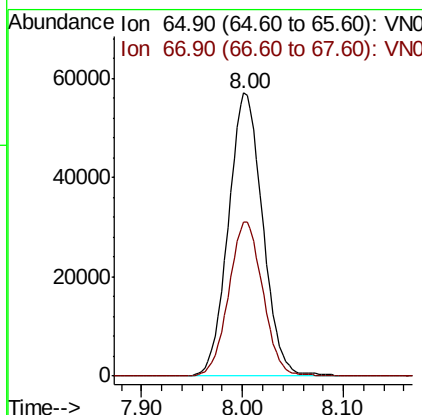
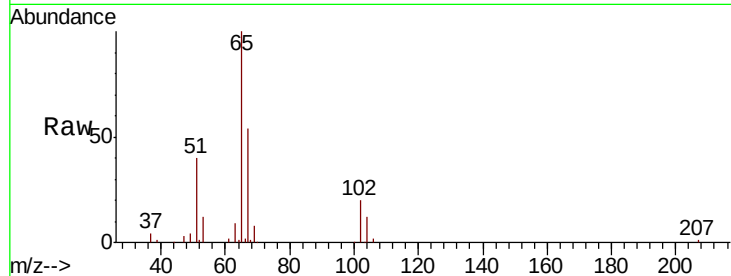




#33
 1,2-Dichloroethane-d4
 Concen: 46.060 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

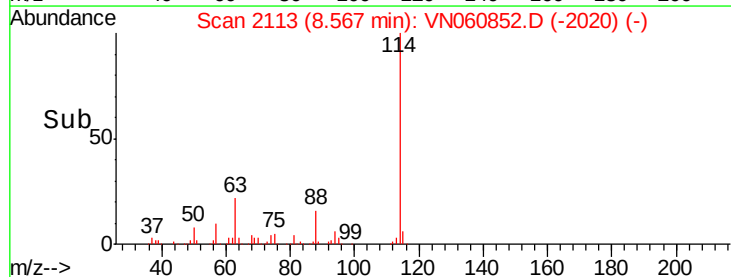
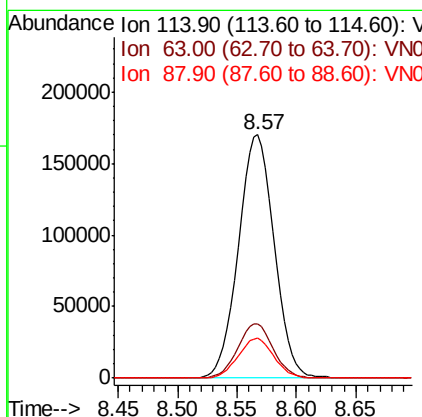
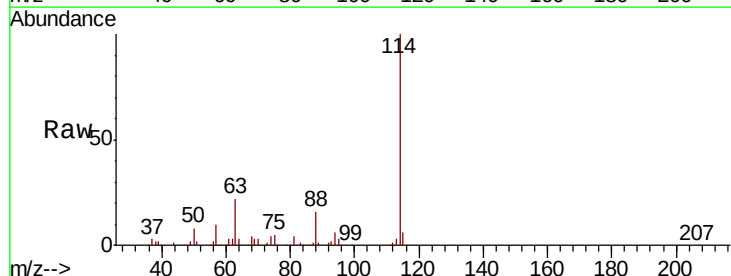
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

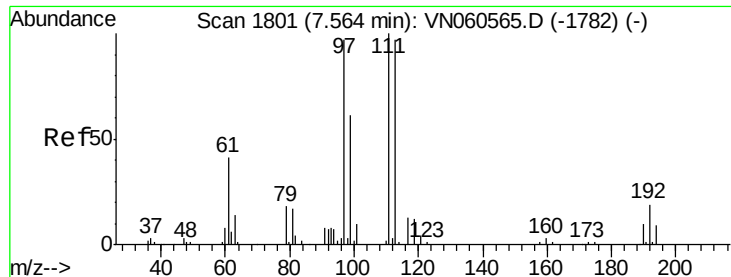
Tot Ion: 65 Resp: 134899
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

Tgt Ion: 114 Resp: 354088
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.2 0.0 33.0

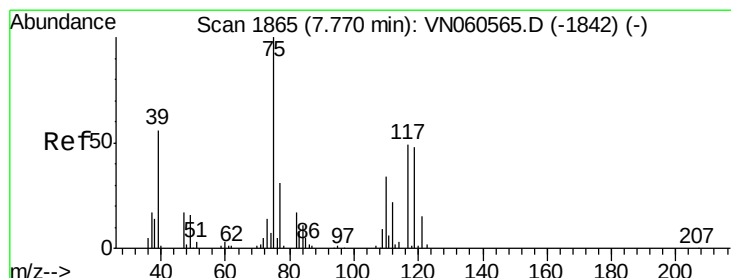
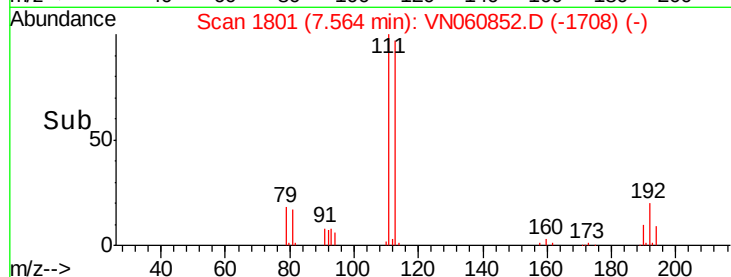
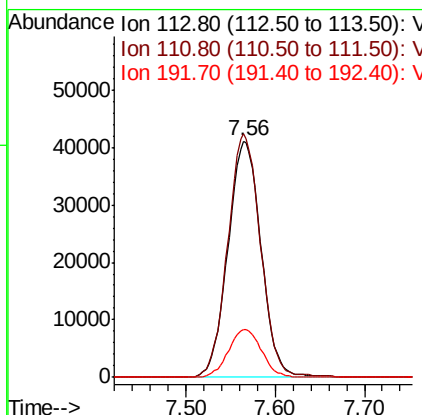
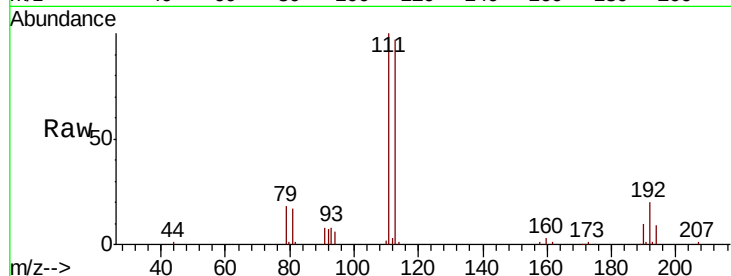




#35
 Dibromofluoromethane
 Concen: 49.280 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

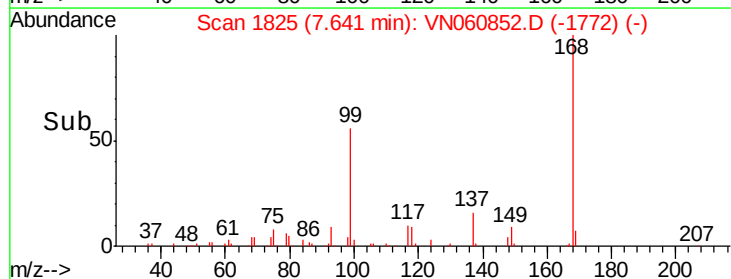
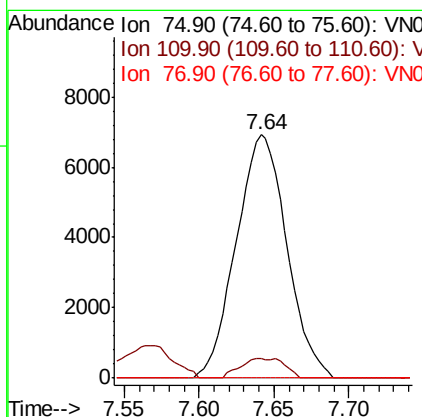
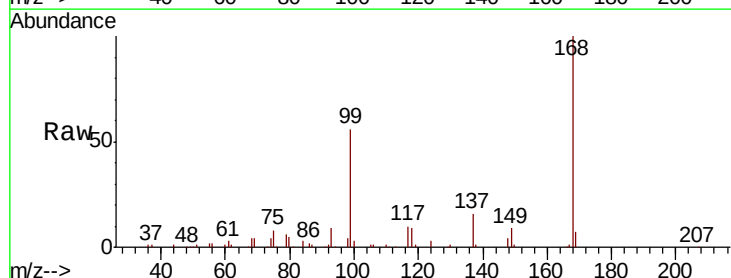
Instrument :
 MSVOA_N
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 TP-5

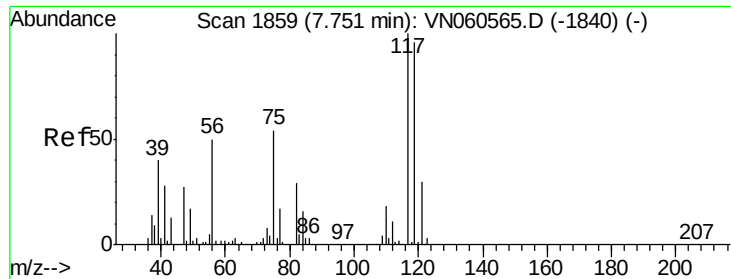
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.2	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.9	50.6#
77	0.0	24.6	36.8#

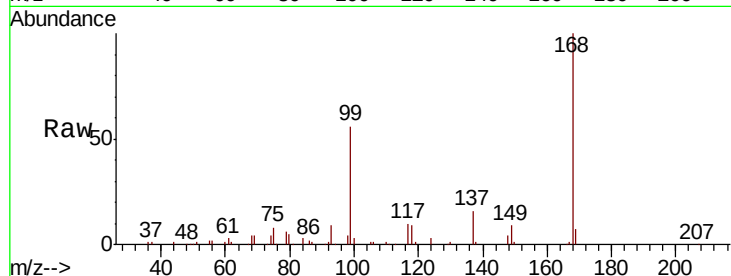




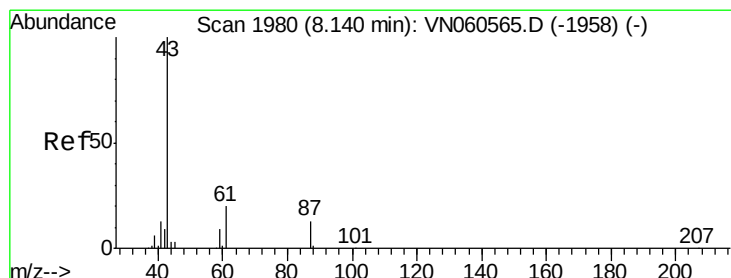
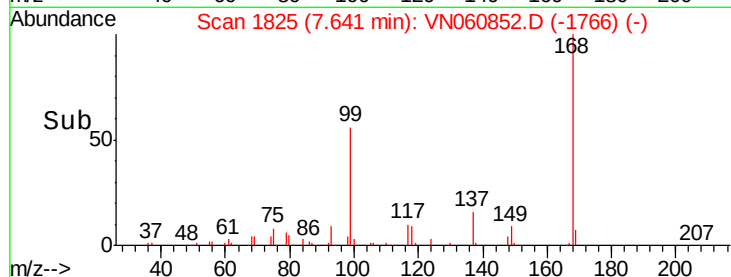
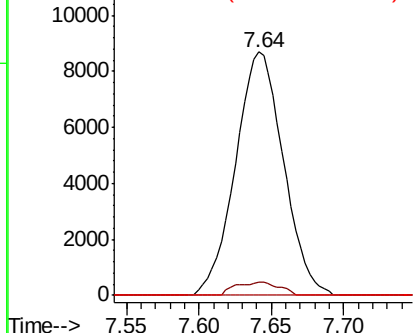
#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tot Ion:117 Resp: 19975
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 23.7 35.5#

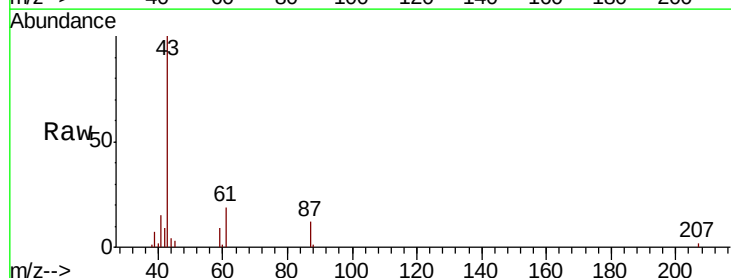


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

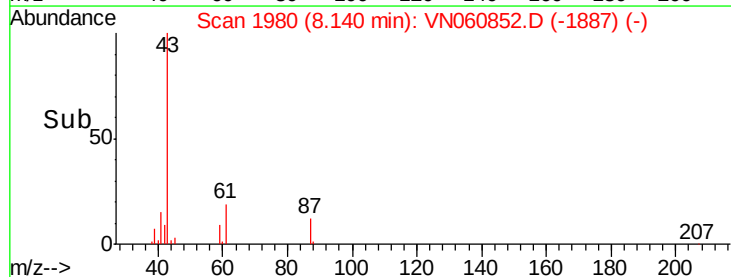
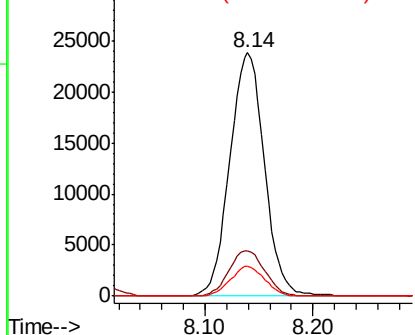


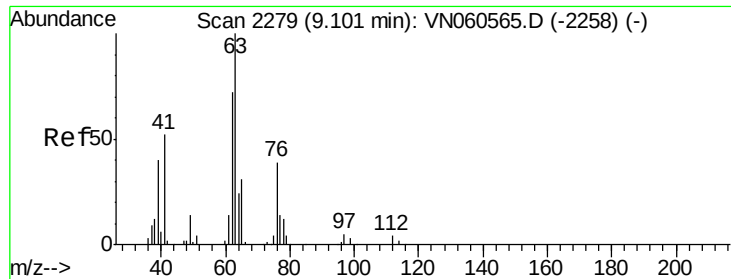
#43
Isopropyl Acetate
Concen: 8.729 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Tgt Ion: 43 Resp: 53330
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 11.9 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

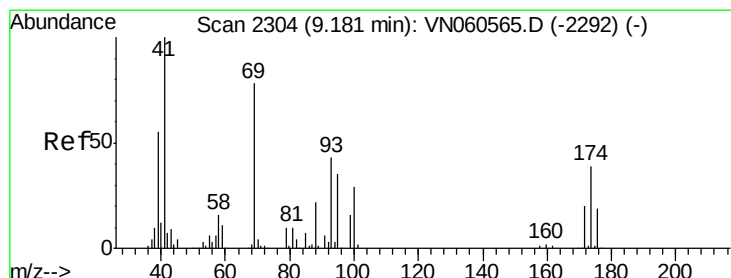
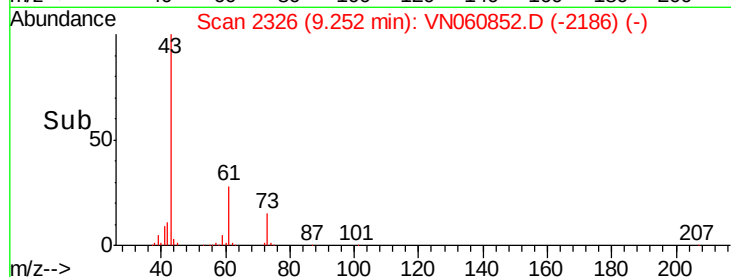
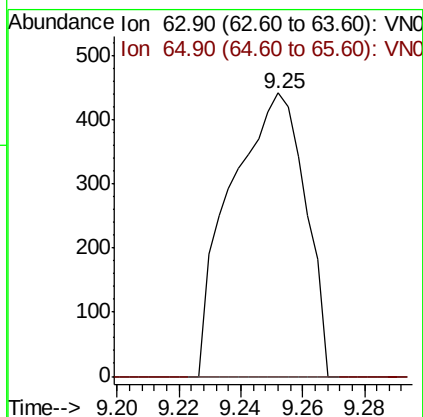
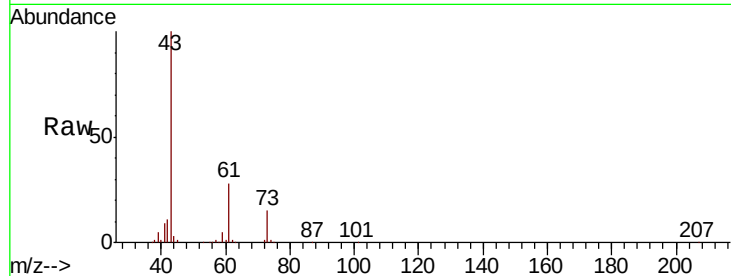




#45
 1,2-Dichloropropane
 Concen: 0.270 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

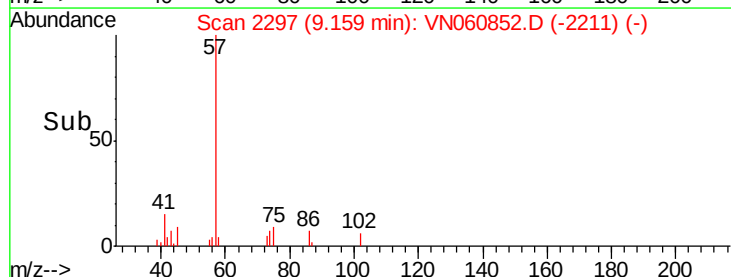
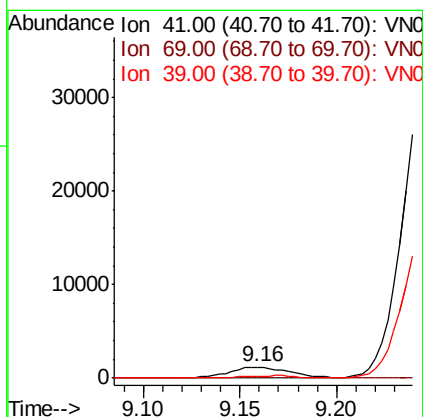
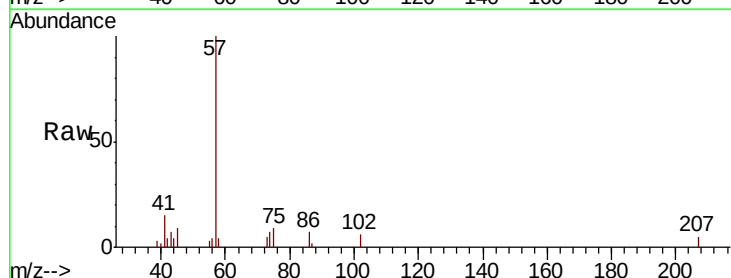
Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

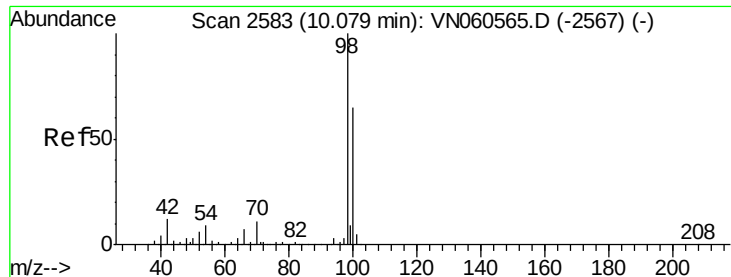
Tot Ion: 63 Resp: 737
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 0.922 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

Tgt Ion: 41 Resp: 2507
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.015 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060852.D

Acq: 6 Apr 2020 15:35

Instrument :

MSVOA_N

ClientSampled :

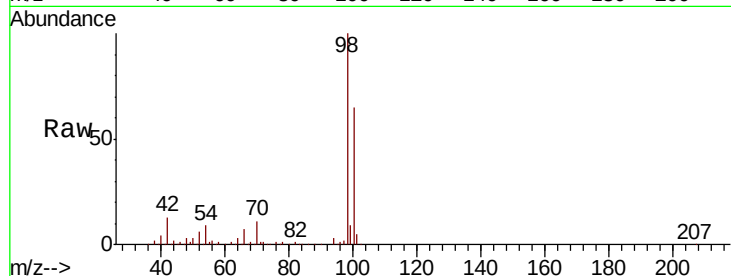
TP-5

Tot Ion: 98 Resp: 437398

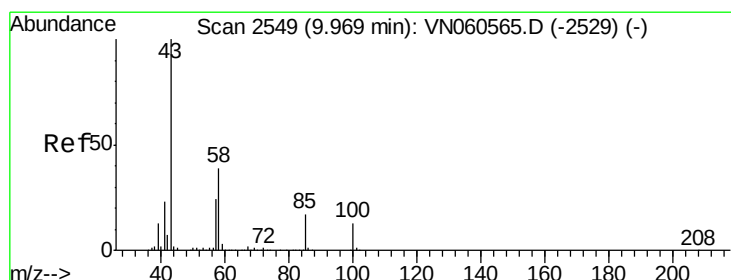
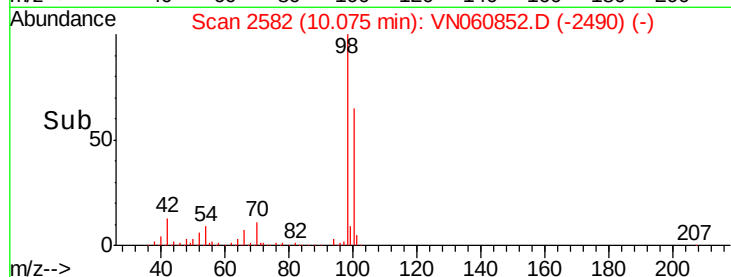
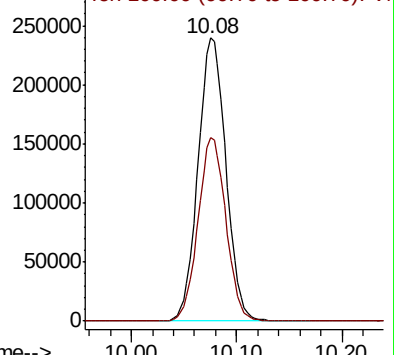
Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060852.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.182 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060852.D

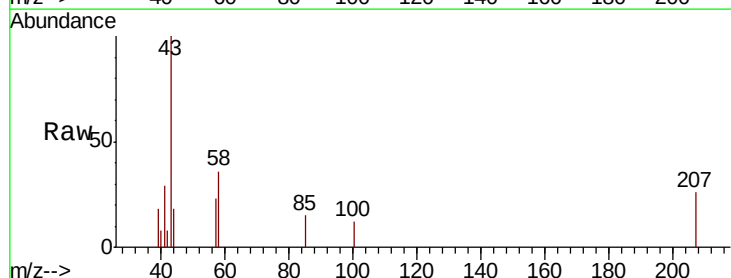
Acq: 6 Apr 2020 15:35

Tgt Ion: 43 Resp: 4110

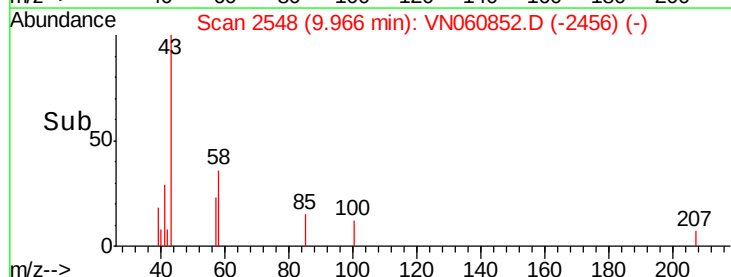
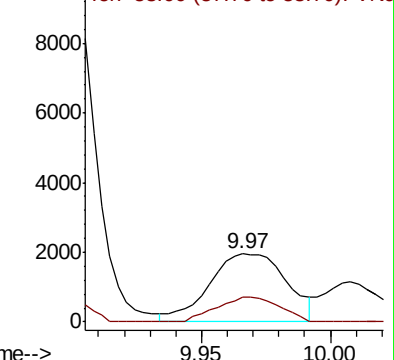
Ion Ratio Lower Upper

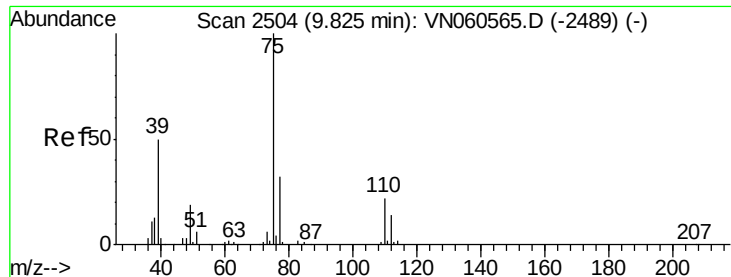
43 100

58 29.4 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060852.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 4.197 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060852.D

Acq: 6 Apr 2020 15:35

Instrument :

MSVOA_N

ClientSampled :

TP-5

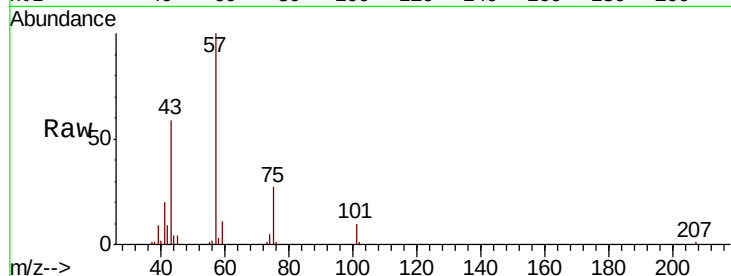
Tot Ion: 75 Resp: 18145

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

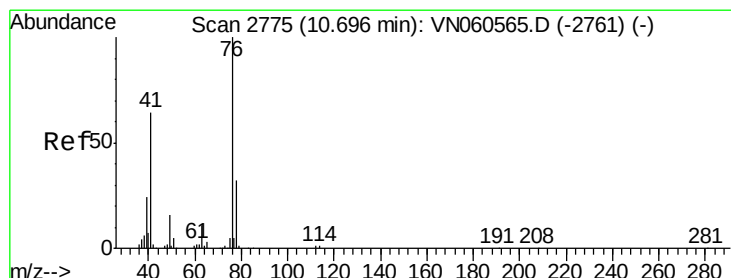
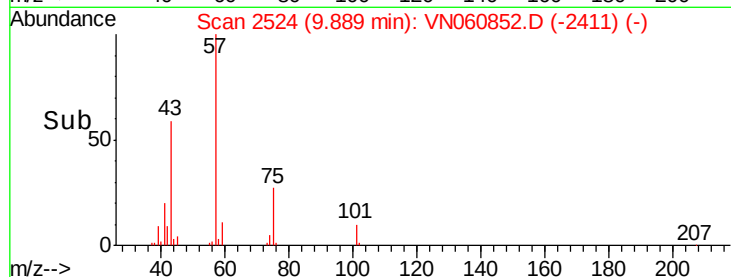
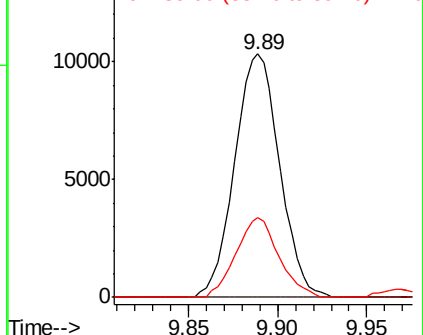
39 32.8 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.408 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060852.D

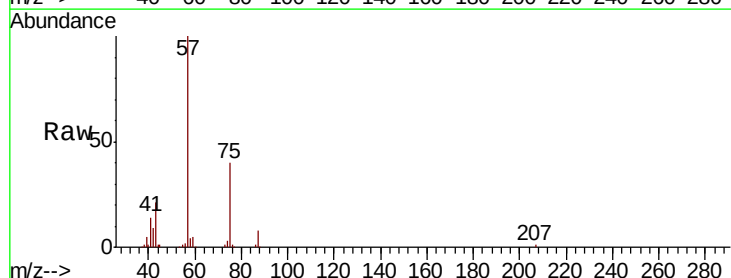
Acq: 6 Apr 2020 15:35

Tgt Ion: 76 Resp: 1702

Ion Ratio Lower Upper

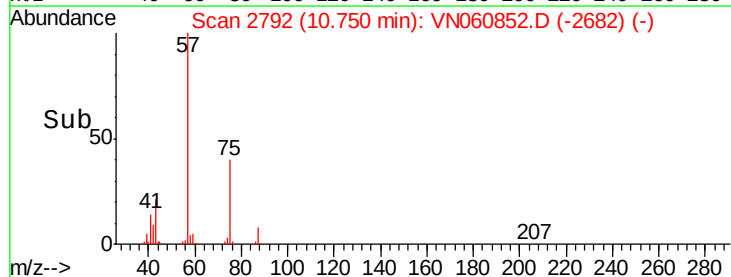
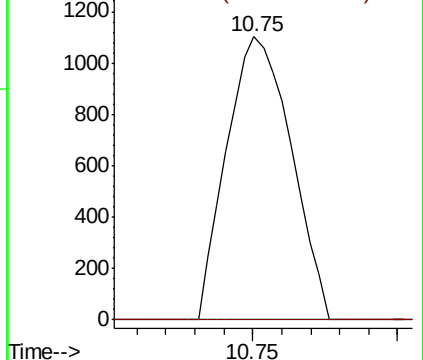
76 100

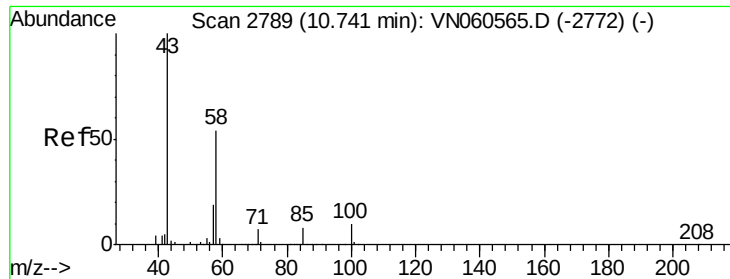
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

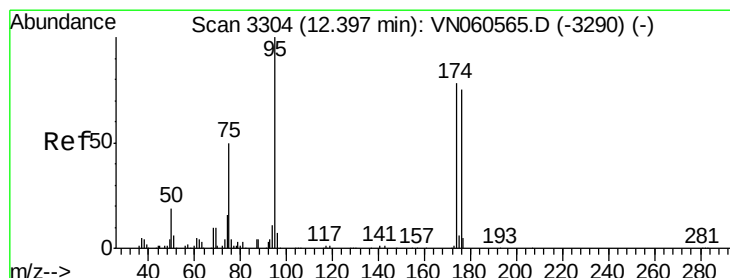
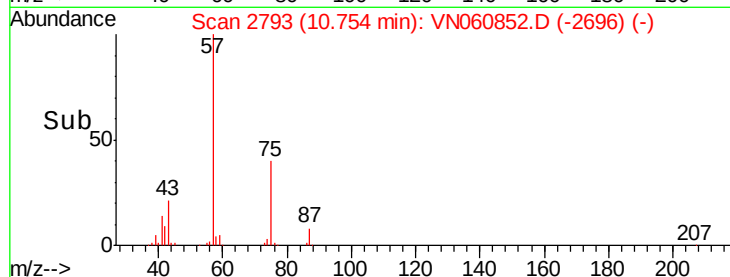
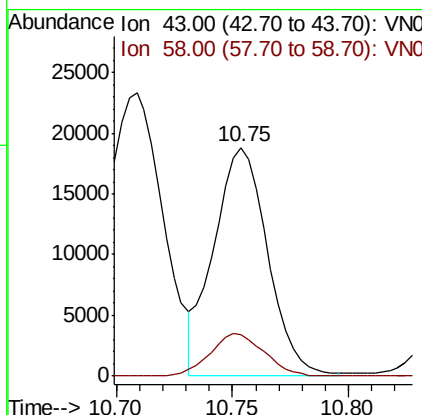
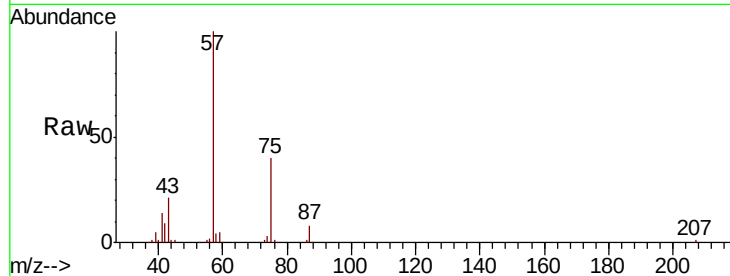




#59
2-Hexanone
Concen: 12.139 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

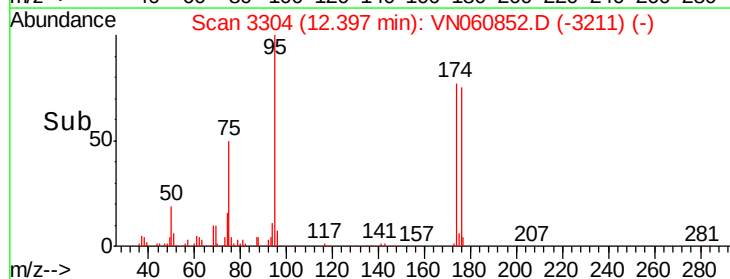
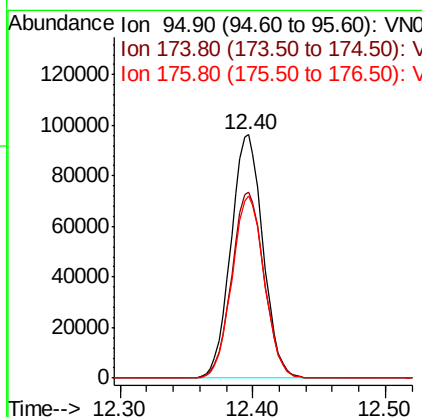
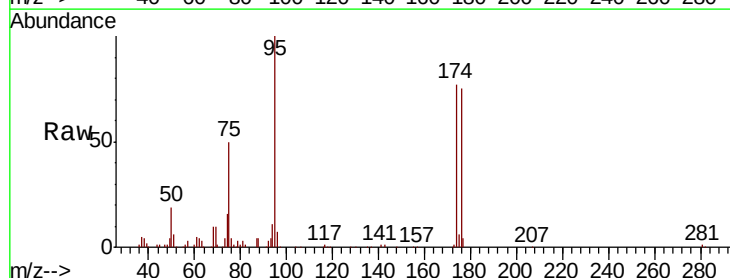
Instrument :
MSVOA_N
ClientSampled :
TP-5

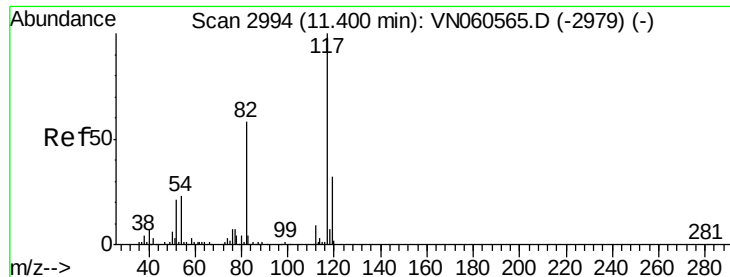
Tot Ion: 43 Resp: 30402
Ion Ratio Lower Upper
43 100
58 18.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Tgt Ion: 95 Resp: 161174
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.6
176 75.3 0.0 150.6

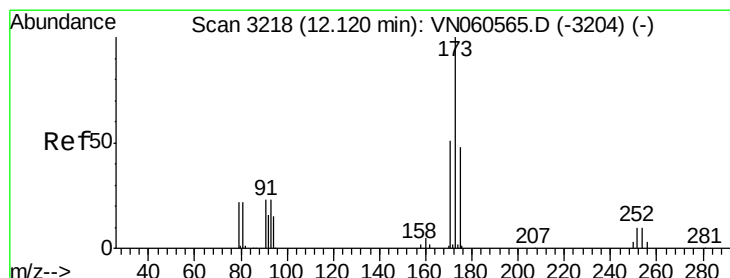
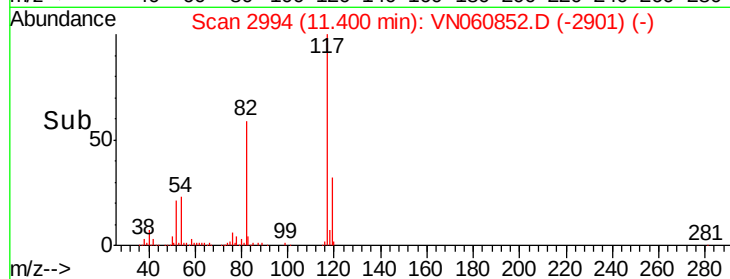
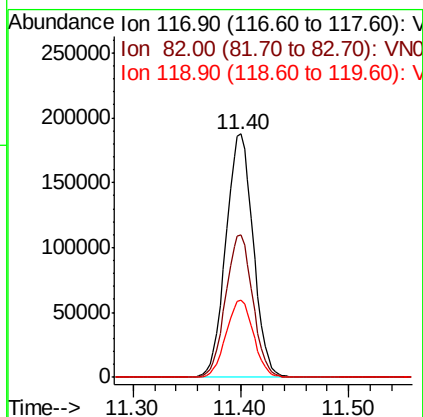
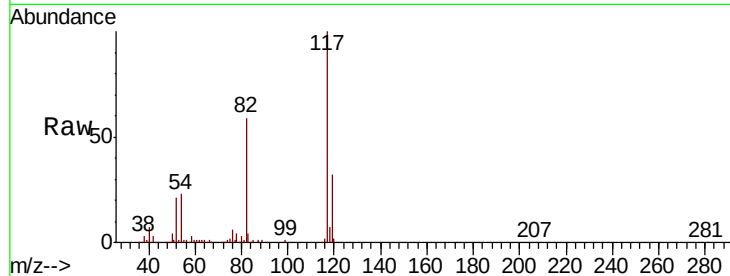




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

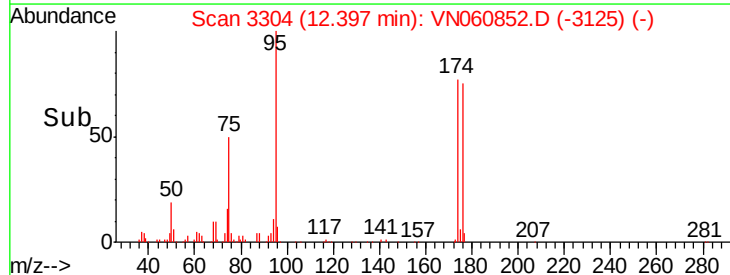
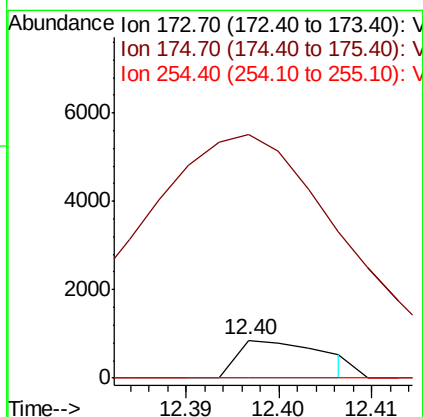
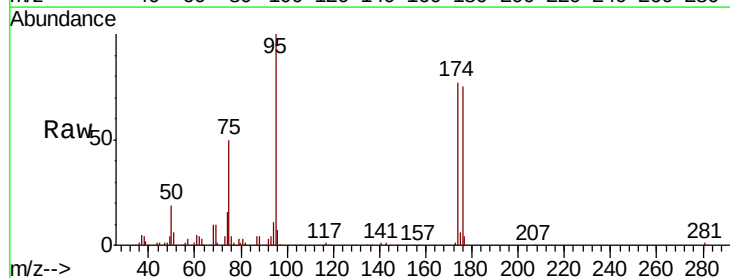
Instrument :
MSVOA_N
ClientSampled :
TP-5

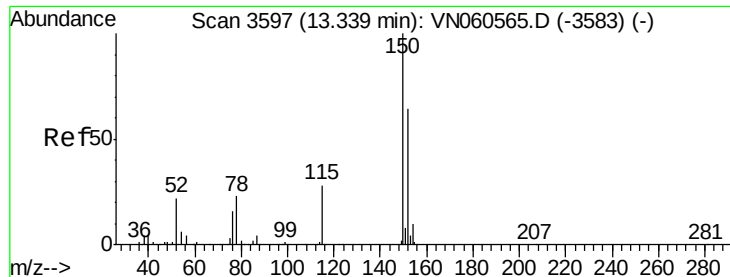
Tot Ion:117 Resp: 331100
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 31.7 25.5 38.3



#71
Bromoform
Concen: 1.949 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060852.D
Acq: 6 Apr 2020 15:35

Tgt Ion:173 Resp: 549
Ion Ratio Lower Upper
173 100
175 1433.3 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: VN060852.D

Acq: 6 Apr 2020 15:35

Instrument :

MSVOA_N

ClientSampleId :

TP-5

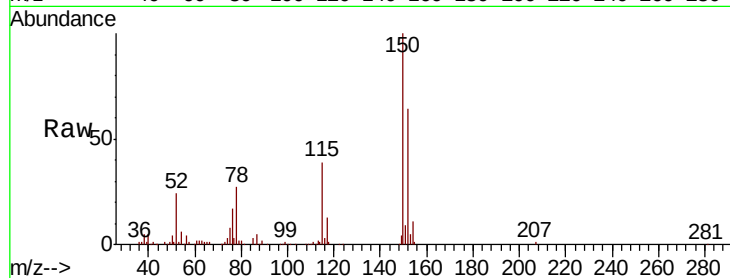
Tot Ion:152 Resp: 147929

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

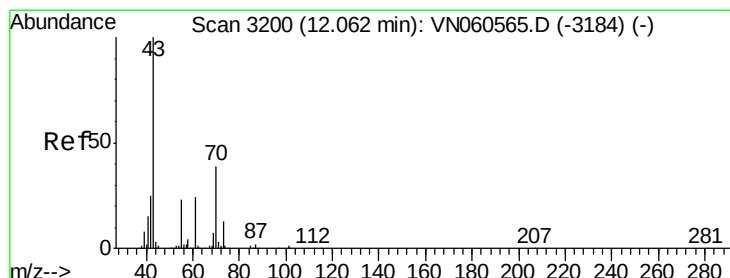
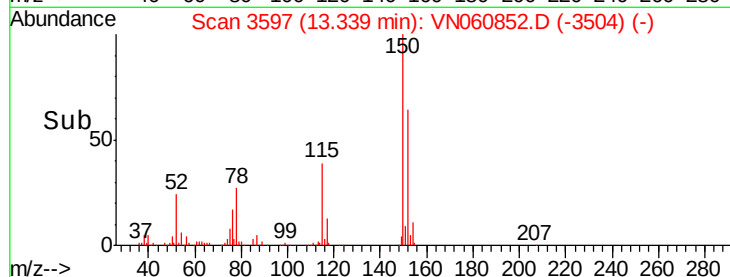
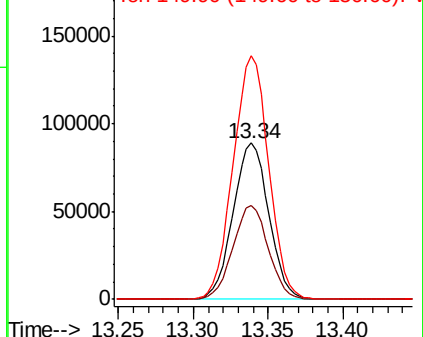
150 155.3 0.0 350.2



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-ethyl acetate

Concen: 0.216 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060852.D

Acq: 6 Apr 2020 15:35

Tgt Ion: 43 Resp: 1110

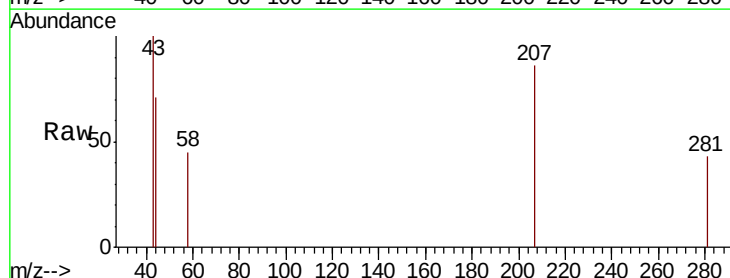
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

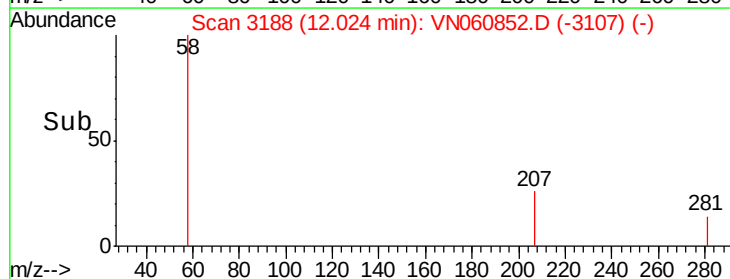
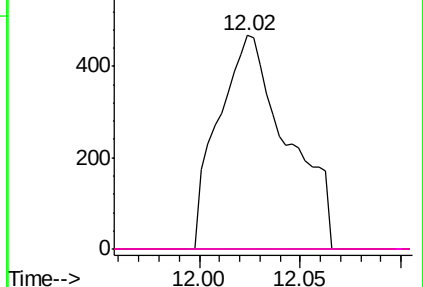


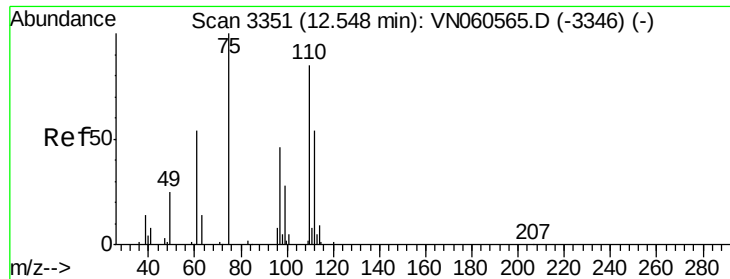
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

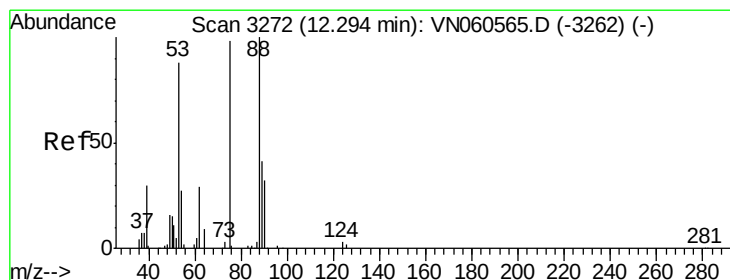
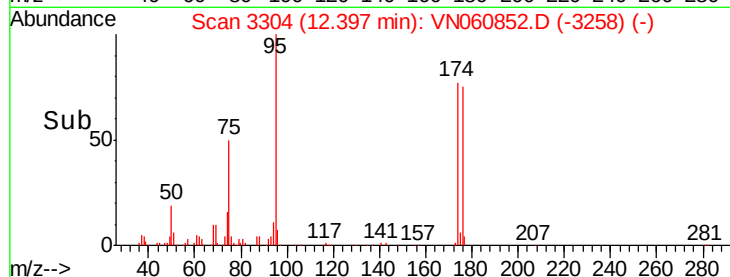
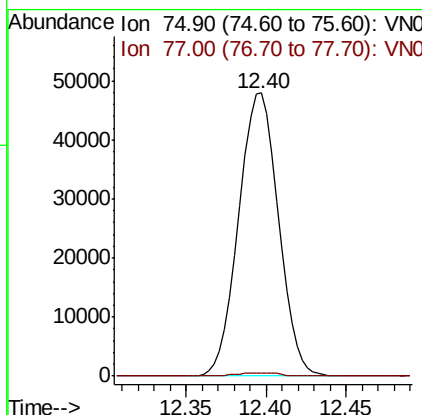
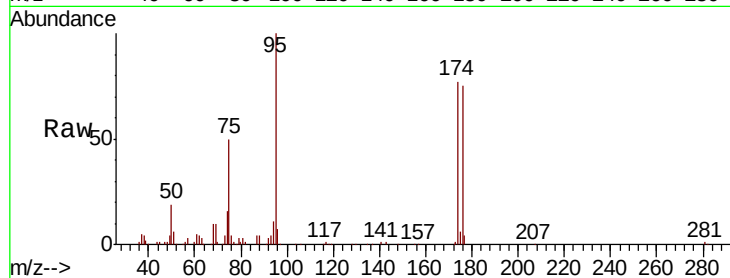




#76
 1,2,3-Trichloropropane
 Concen: 25.529 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

Tot Ion: 75 Resp: 81489
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.566 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060852.D
 Acq: 6 Apr 2020 15:35

Tgt Ion: 75 Resp: 81489
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

