

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060619.D
 Acq On : 19 Mar 2020 2:36
 Operator : JC/MD
 Sample : L1954-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10A

Quant Time: Mar 19 05:07:48 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	200177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142803	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	127909	46.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.10%	
35) Dibromofluoromethane	7.56	113	97858	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
50) Toluene-d8	10.08	98	408670	49.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	153078	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	

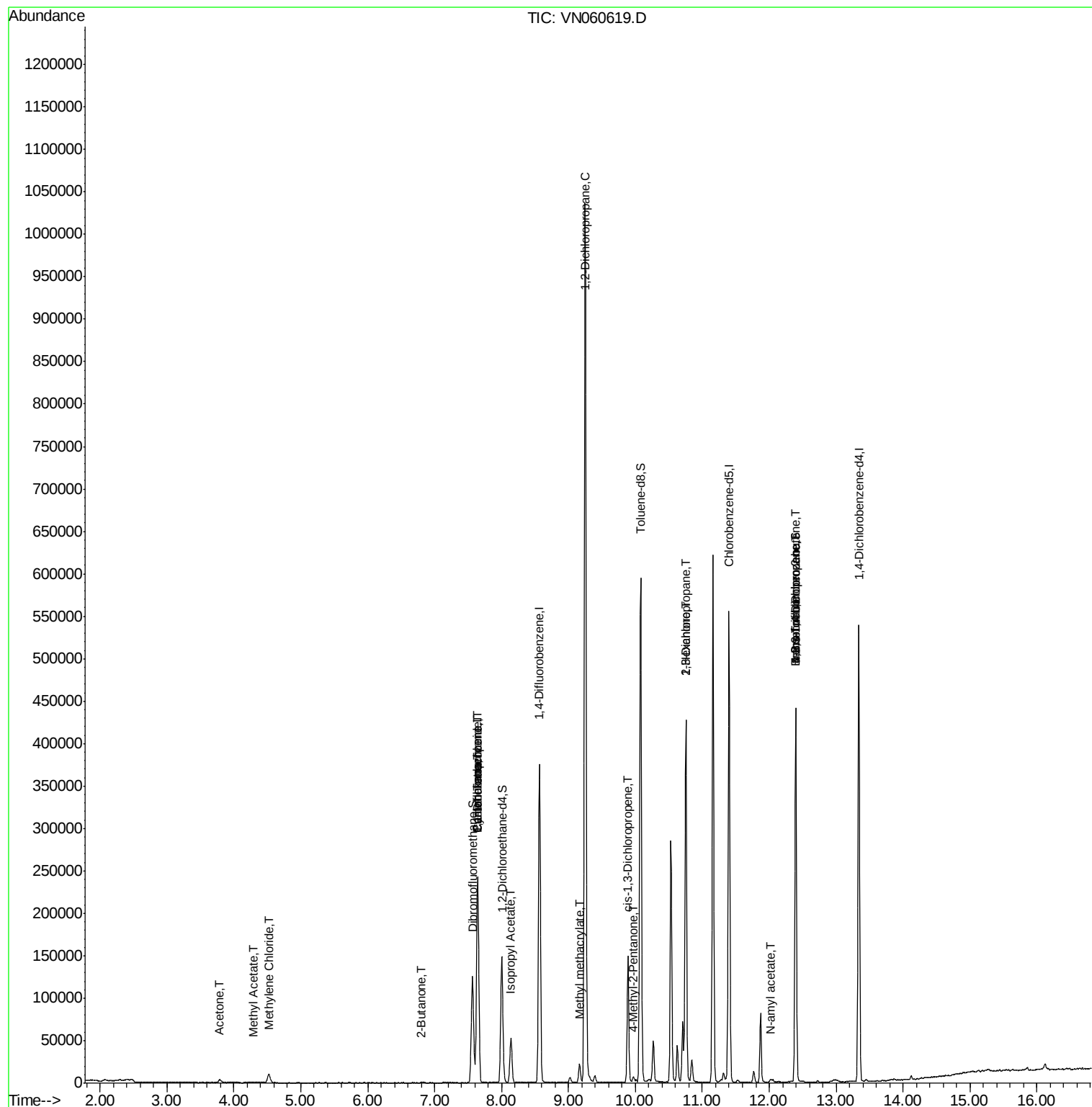
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7372	7.574	ug/l	92
18) Methyl Acetate	4.30	43	1809	0.660	ug/l #	54
20) Methylene Chloride	4.52	84	7623	3.184	ug/l	91
25) 2-Butanone	6.80	43	451	0.286	ug/l #	50
31) Cyclohexane	7.64	56	4116	0.930	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15446	4.765	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18721	6.444	ug/l #	16
43) Isopropyl Acetate	8.14	43	63028	10.912	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1227	0.475	ug/l #	43
48) Methyl methacrylate	9.16	41	3165	1.231	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4742	1.443	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	26271	6.427	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4513	1.144	ug/l #	42
59) 2-Hexanone	10.75	43	64417	27.208	ug/l #	51
71) Bromoform	12.38	173	193	1.781	ug/l #	29
74) N-amyl acetate	12.02	43	3465	0.700	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	76408	24.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	76408	63.685	ug/l #	13

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

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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: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampleId :

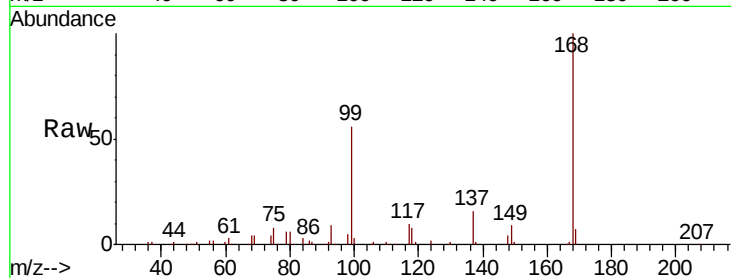
TP-10A

Tot Ion:168 Resp: 200177

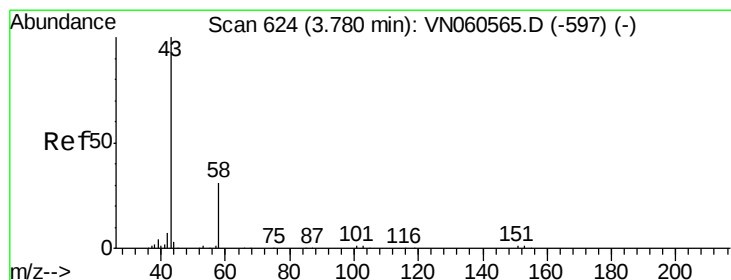
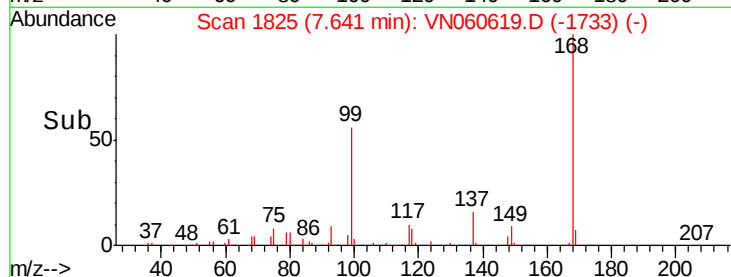
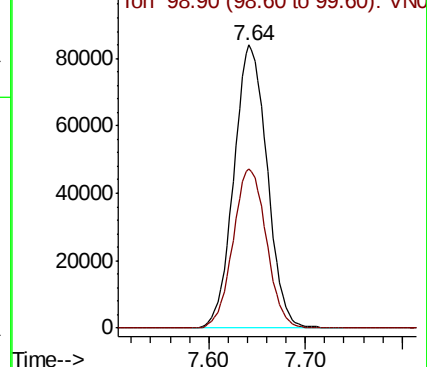
Ion Ratio Lower Upper

168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060619.D (-1733) (-)



#16

Acetone

Concen: 7.574 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060619.D

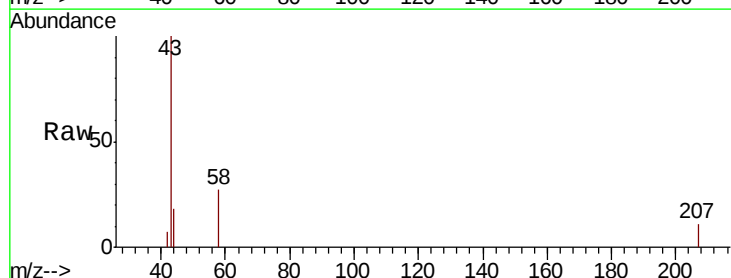
Acq: 19 Mar 2020 2:36

Tgt Ion: 43 Resp: 7372

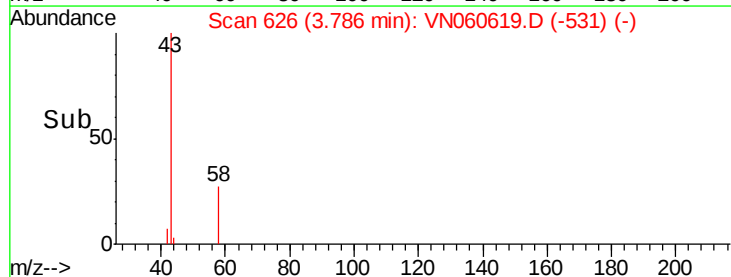
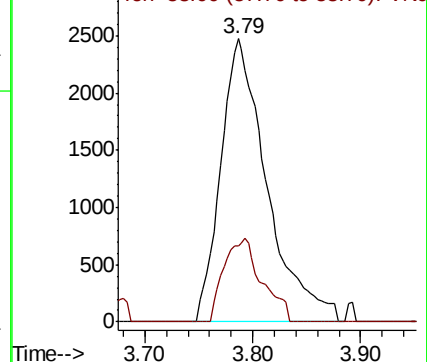
Ion Ratio Lower Upper

43 100

58 27.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060619.D (-531) (-)

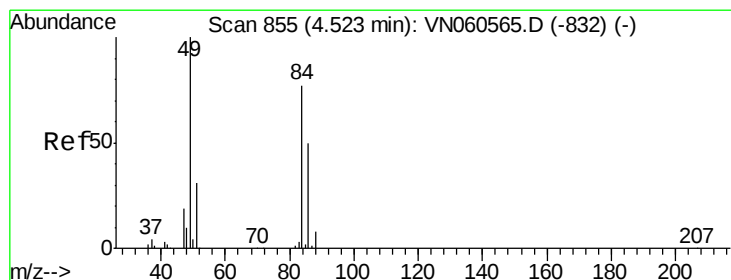
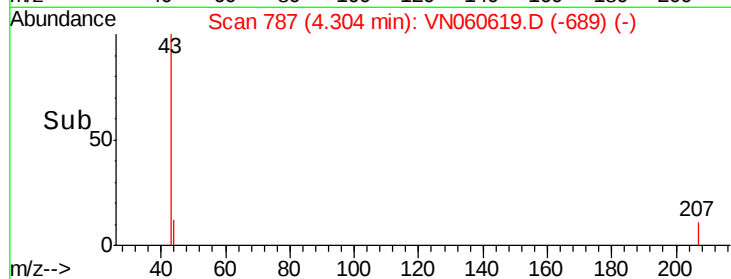
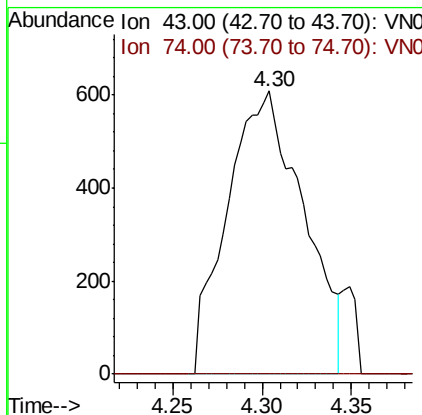
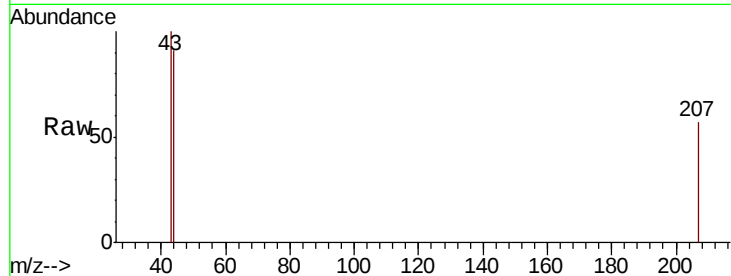




#18
Methyl Acetate
Concen: 0.660 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

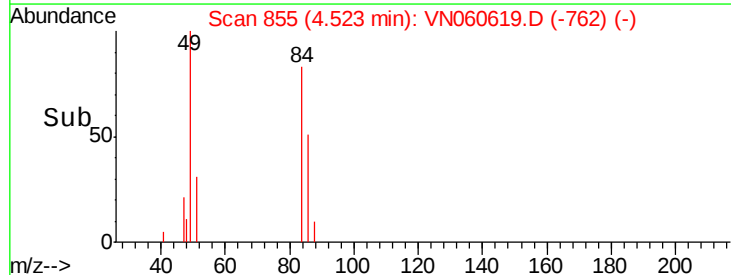
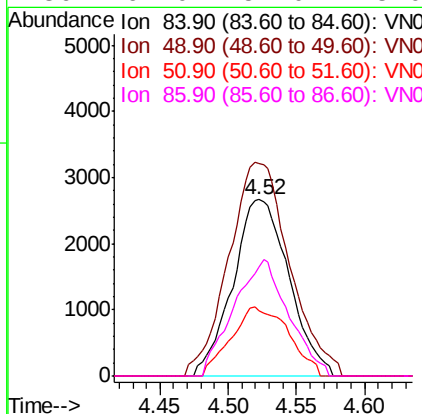
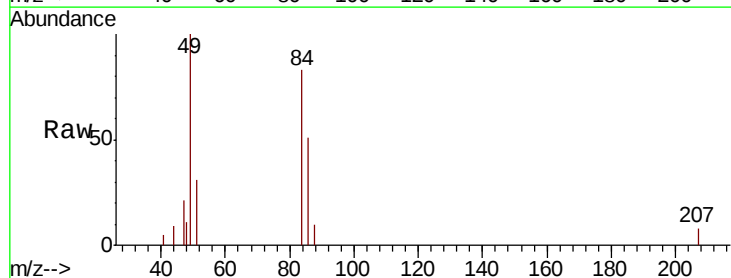
Instrument :
MSVOA_N
ClientSampled :
TP-10A

Tot Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 3.184 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

Tgt Ion: 84 Resp: 7623
Ion Ratio Lower Upper
84 100
49 114.3 103.3 154.9
51 37.3 31.6 47.4
86 62.0 52.0 78.0

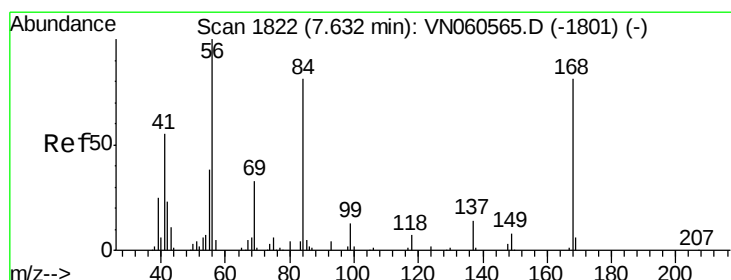
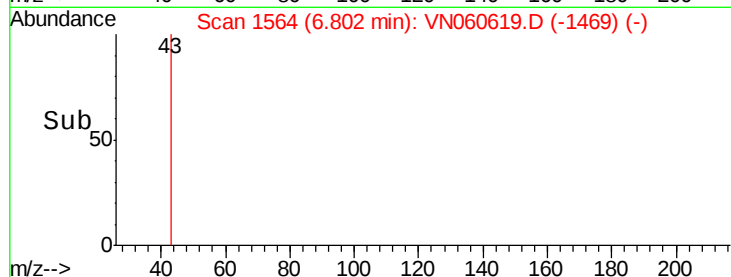
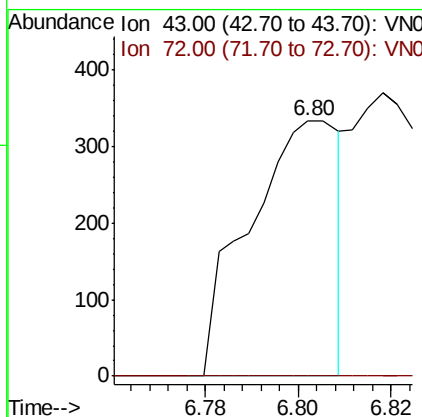
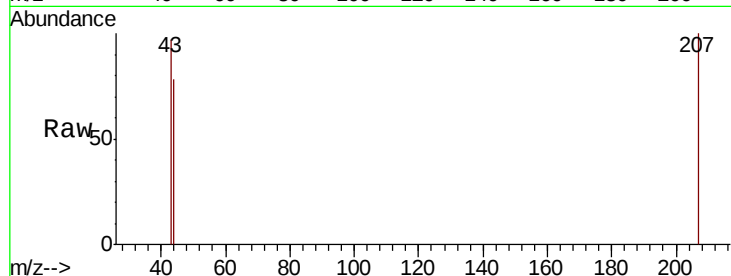




#25
2-Butanone
Concen: 0.286 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

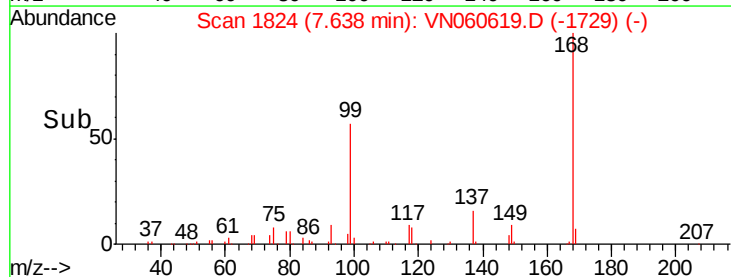
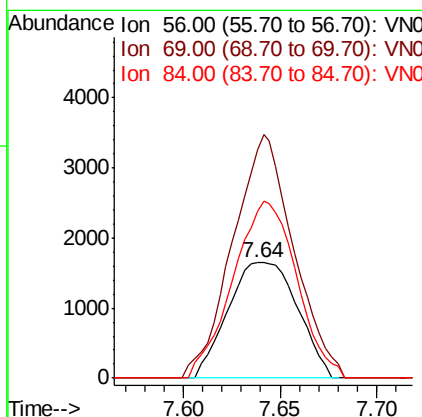
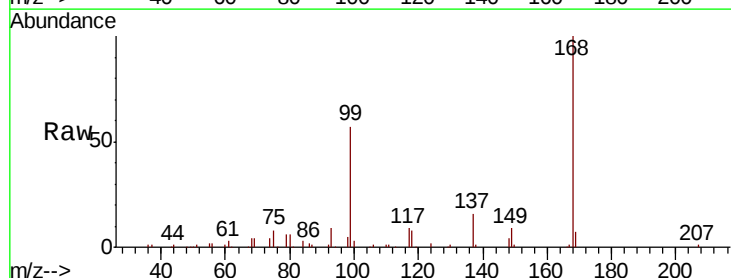
Instrument :
MSVOA_N
ClientSampleId :
TP-10A

Tot Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

Tgt Ion: 56 Resp: 4116
Ion Ratio Lower Upper
56 100
69 187.3 26.6 40.0#
84 144.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.547 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampleId :

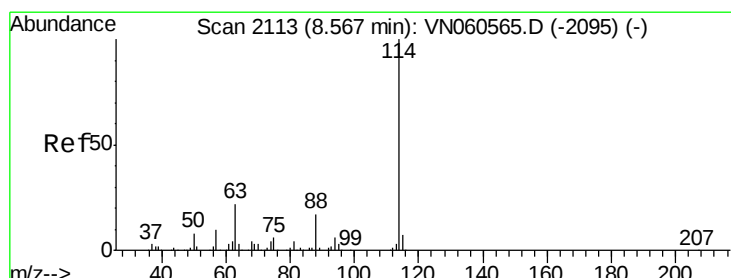
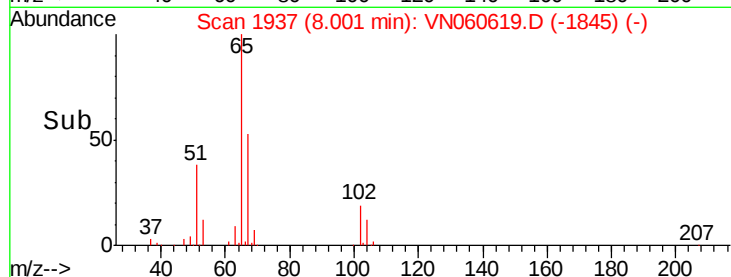
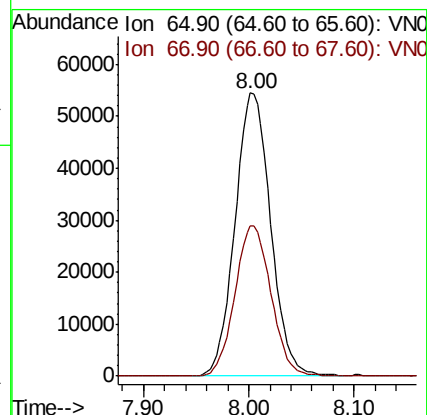
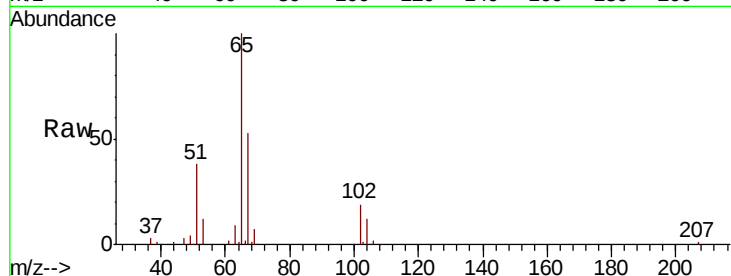
TP-10A

Tot Ion: 65 Resp: 127909

Ion Ratio Lower Upper

65 100

67 53.7 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: VN060619.D

Acq: 19 Mar 2020 2:36

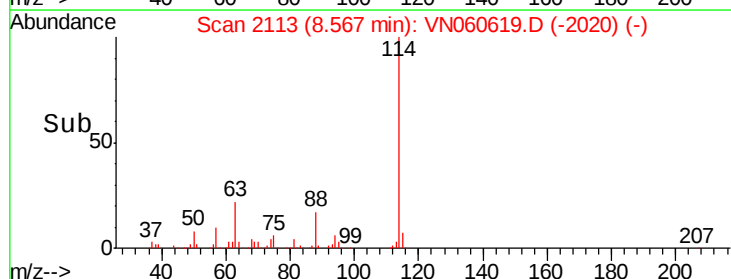
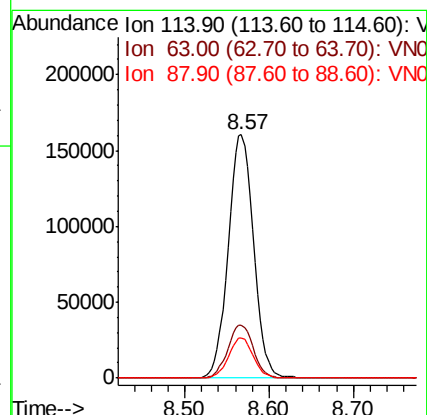
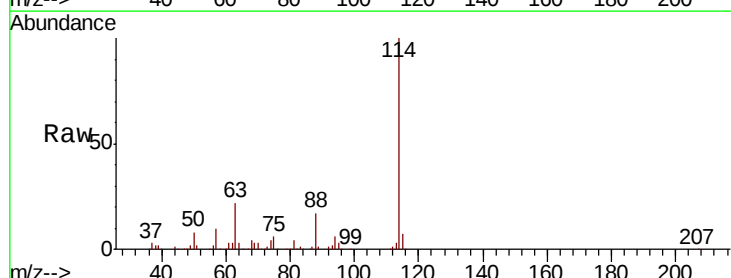
Tgt Ion: 114 Resp: 334733

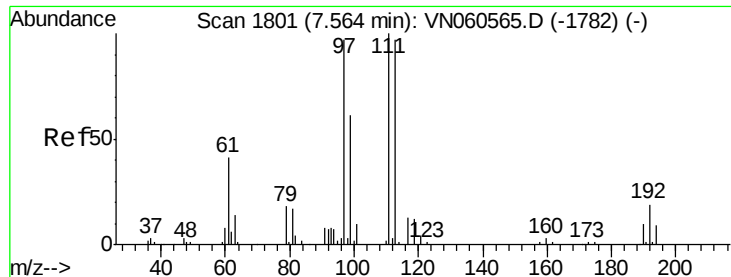
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 16.6 0.0 33.0

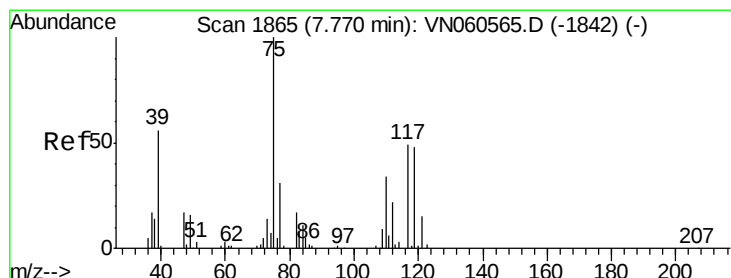
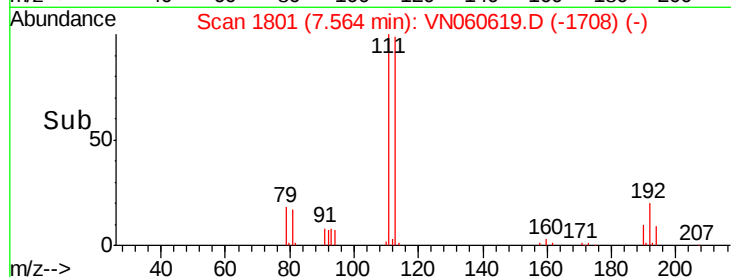
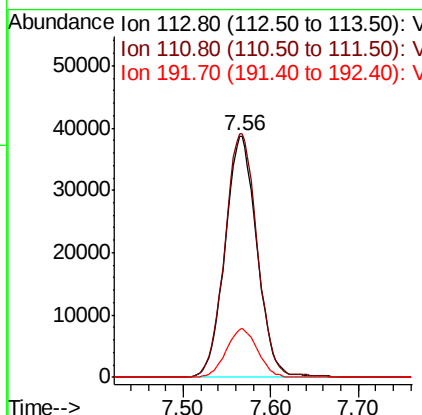
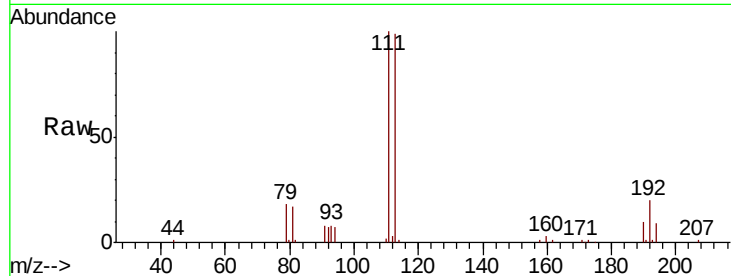




#35
 Dibromofluoromethane
 Concen: 48.348 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060619.D
 Acq: 19 Mar 2020 2:36

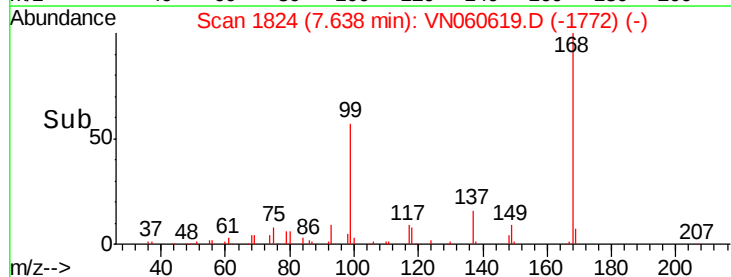
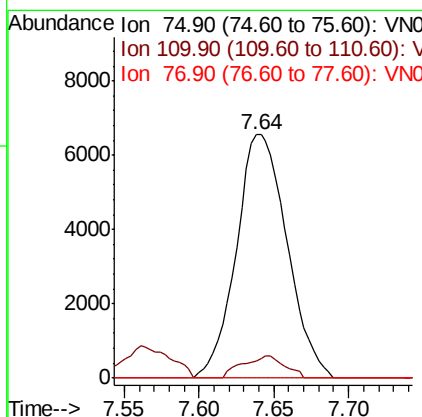
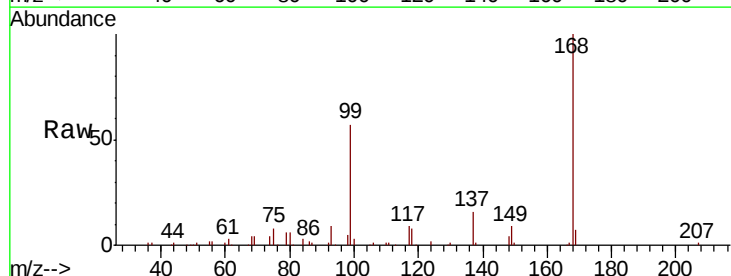
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10A

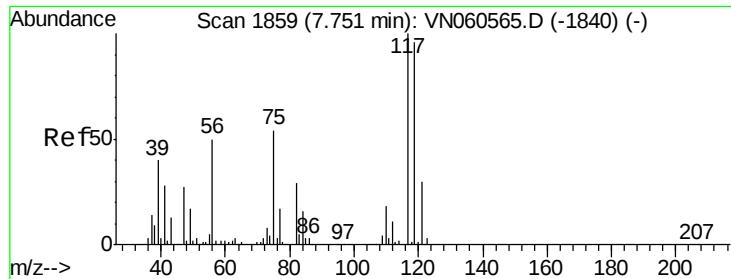
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060619.D
 Acq: 19 Mar 2020 2:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.9	50.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.444 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampled :

TP-10A

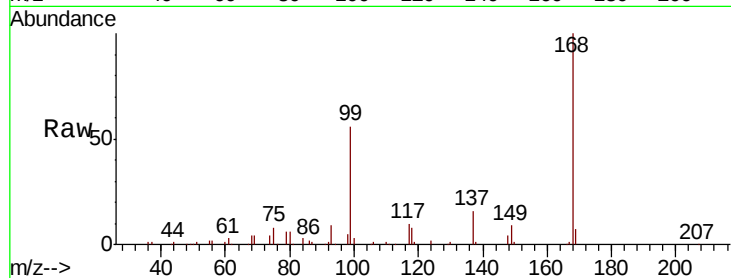
Tot Ion:117 Resp: 18721

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

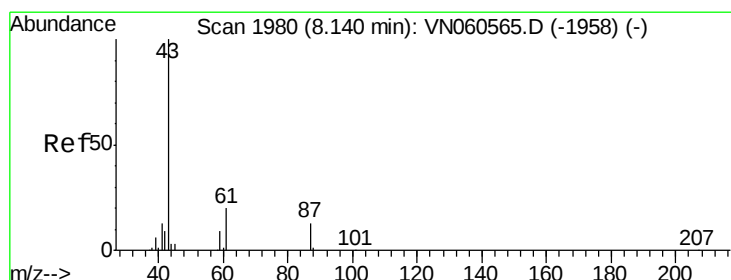
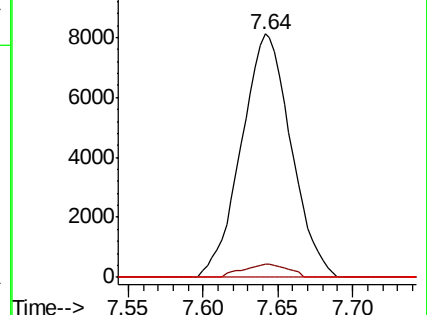
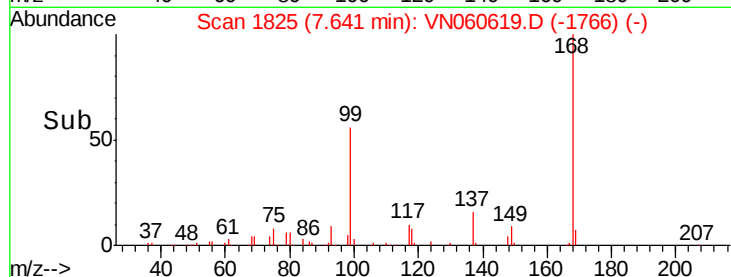
121 0.0 23.7 35.5#



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: 10.912 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

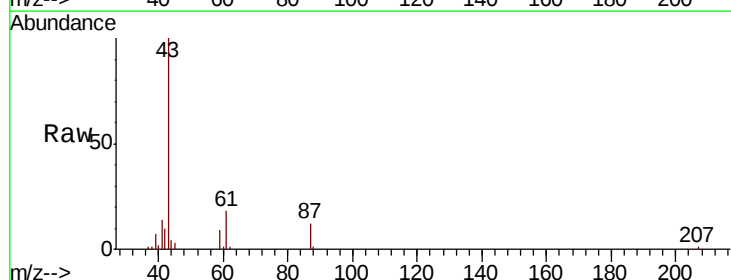
Tgt Ion: 43 Resp: 63028

Ion Ratio Lower Upper

43 100

61 18.7 20.7 31.1#

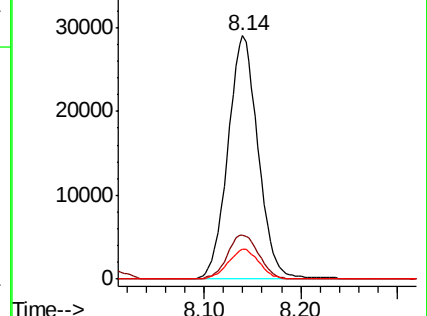
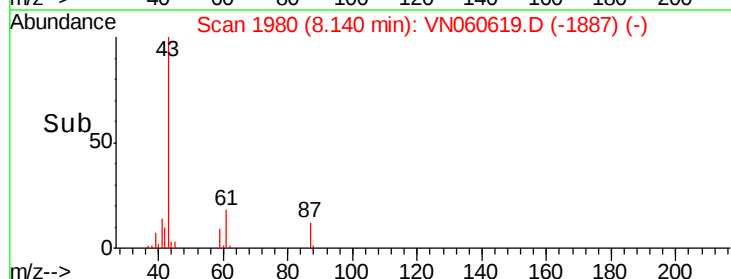
87 12.4 9.8 14.8

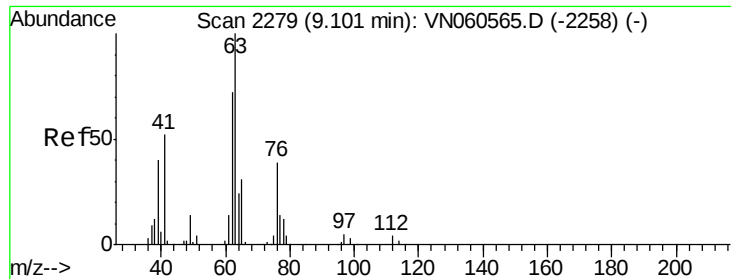


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

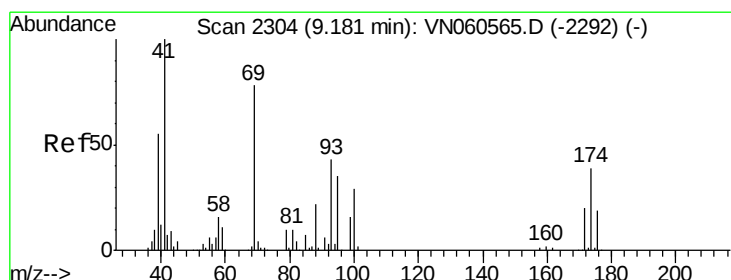
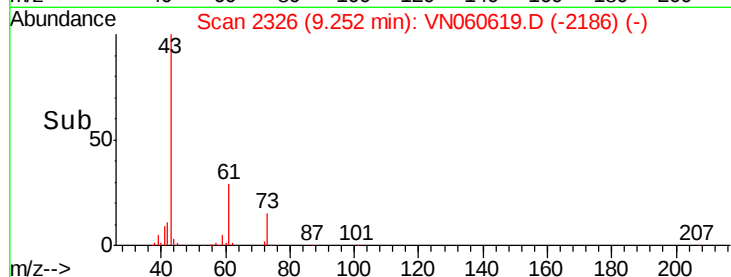
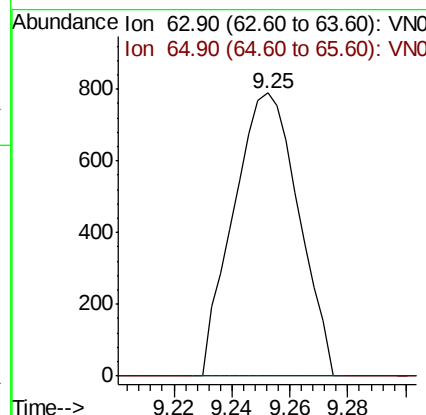
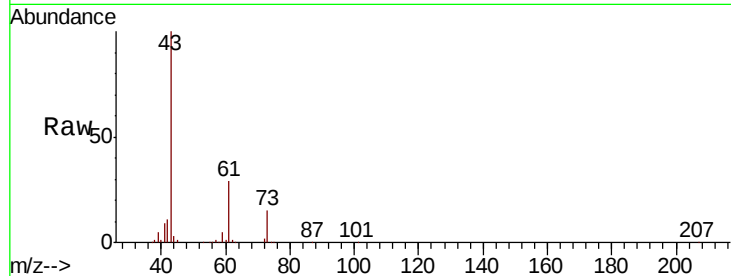




#45
 1,2-Dichloropropane
 Concen: 0.475 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060619.D
 Acq: 19 Mar 2020 2:36

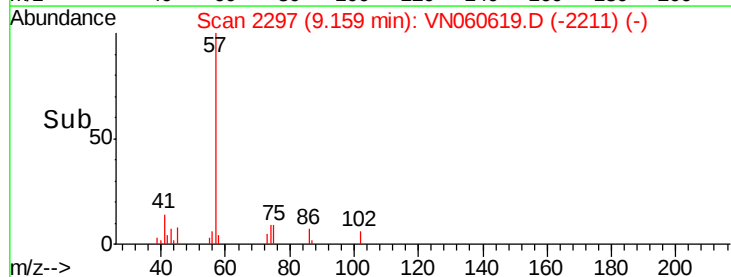
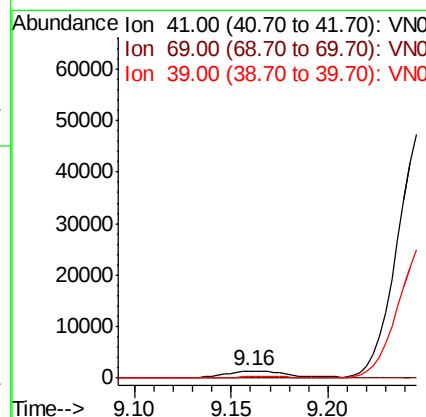
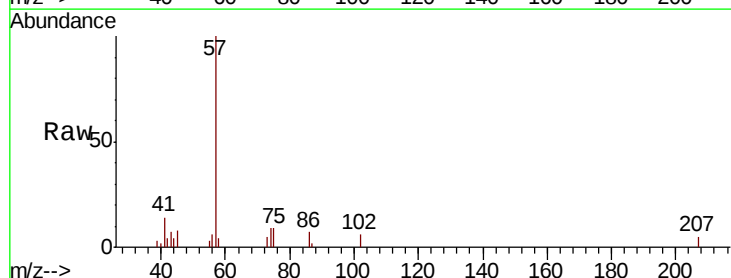
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10A

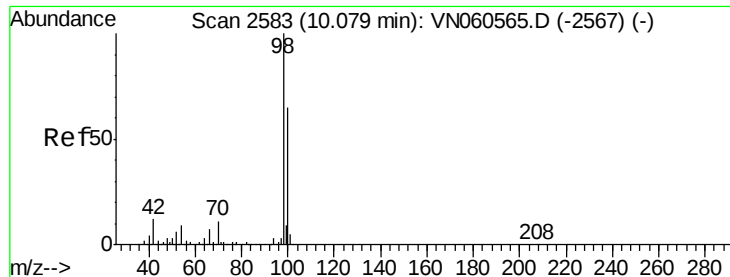
Tot Ion: 63 Resp: 1227
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.231 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060619.D
 Acq: 19 Mar 2020 2:36

Tgt Ion: 41 Resp: 3165
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampled :

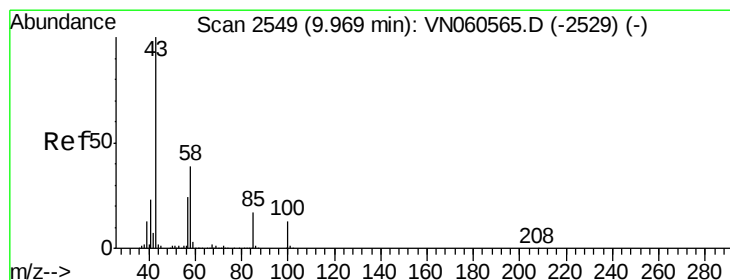
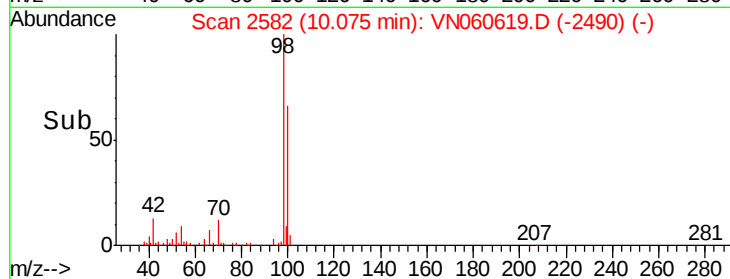
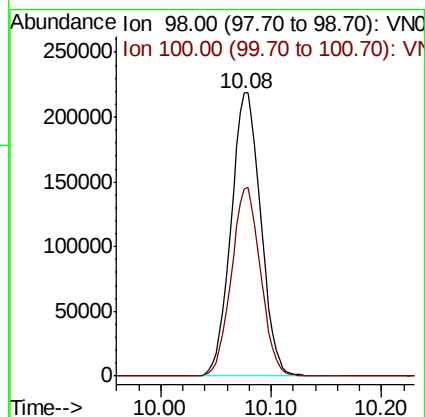
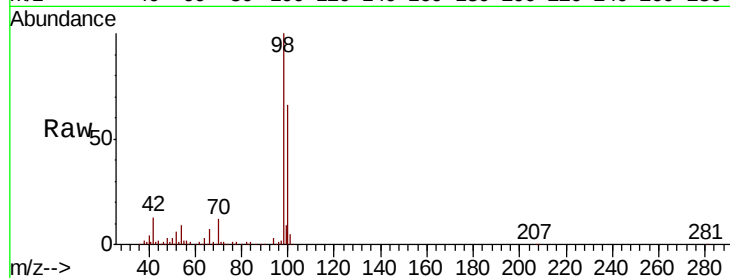
TP-10A

Tot Ion: 98 Resp: 408670

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.443 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060619.D

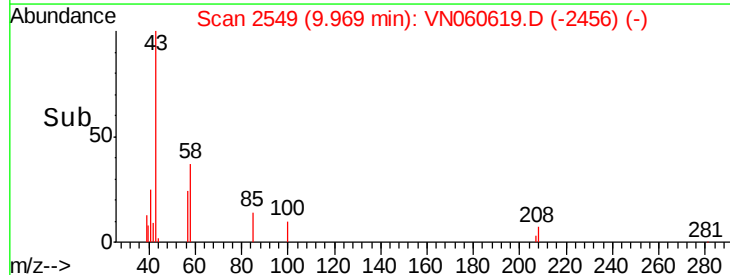
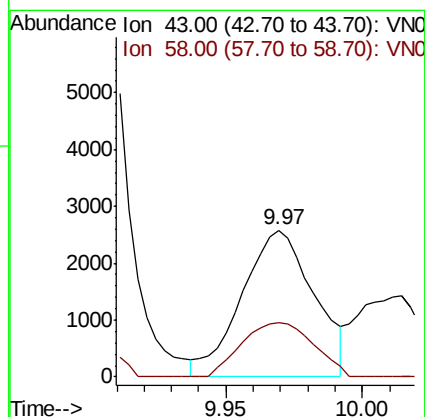
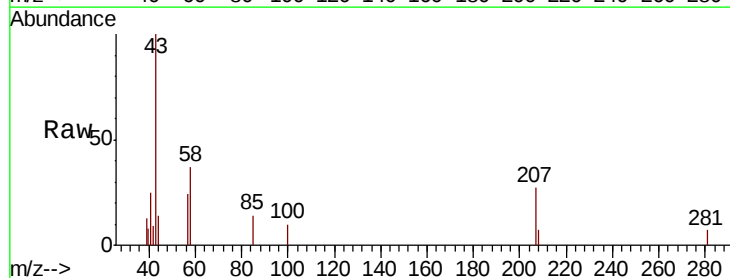
Acq: 19 Mar 2020 2:36

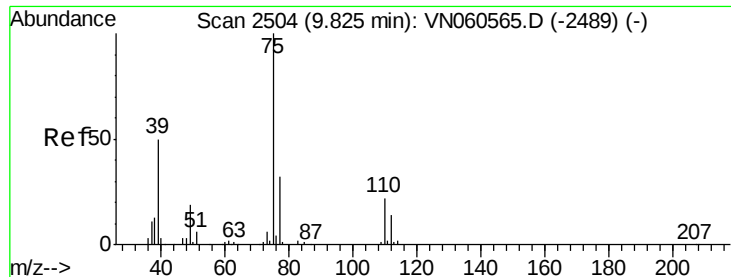
Tgt Ion: 43 Resp: 4742

Ion Ratio Lower Upper

43 100

58 37.1 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.427 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampled :

TP-10A

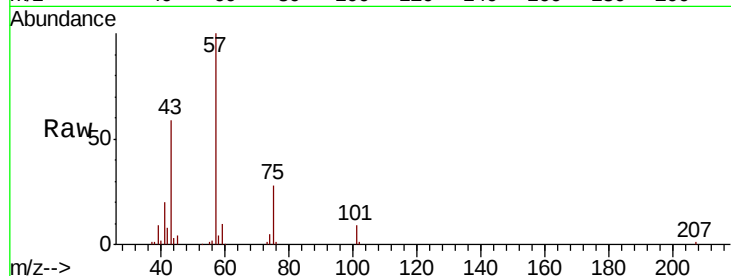
Tot Ion: 75 Resp: 26271

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

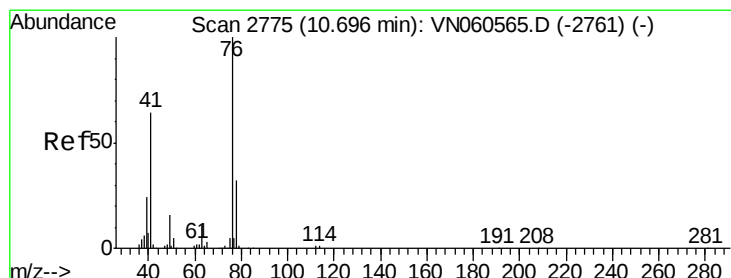
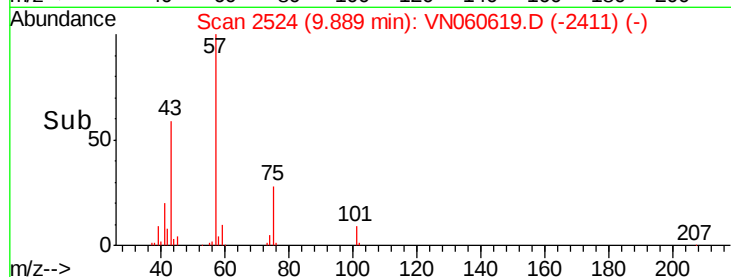
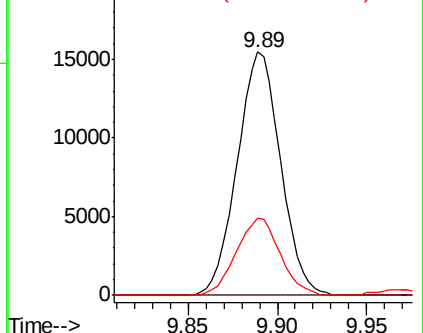
39 31.5 40.2 60.4#



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: 1.144 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060619.D

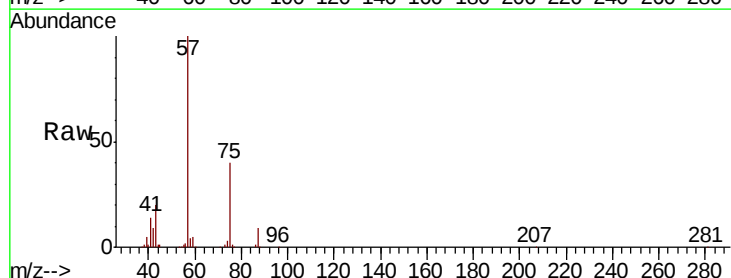
Acq: 19 Mar 2020 2:36

Tgt Ion: 76 Resp: 4513

Ion Ratio Lower Upper

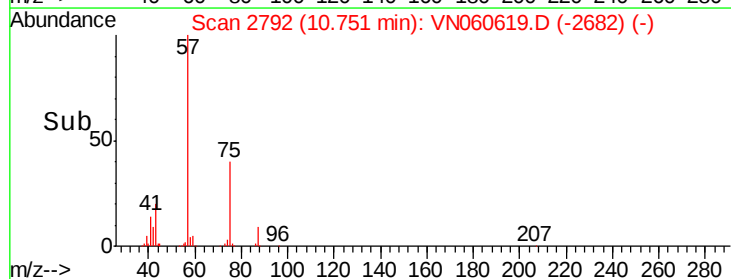
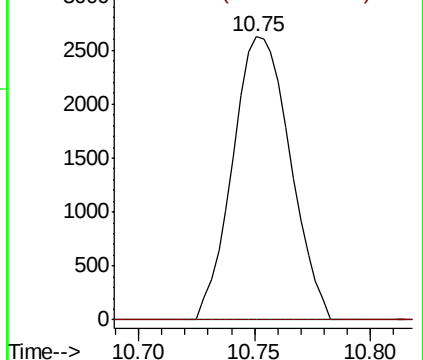
76 100

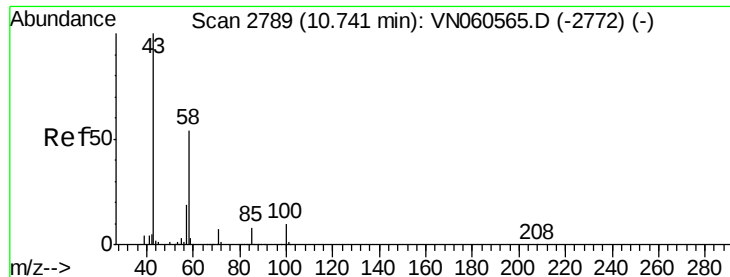
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 27.208 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampleId :

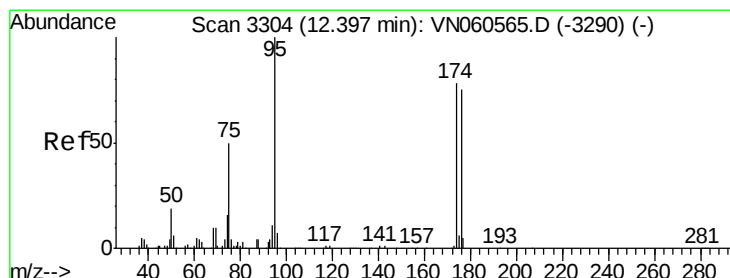
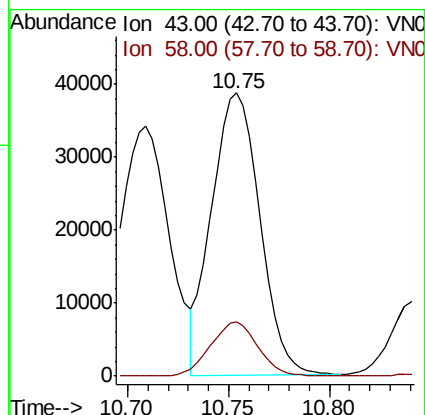
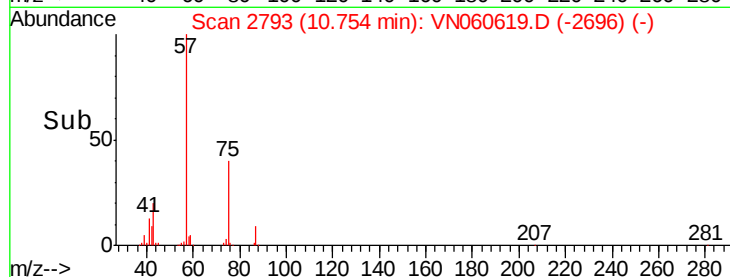
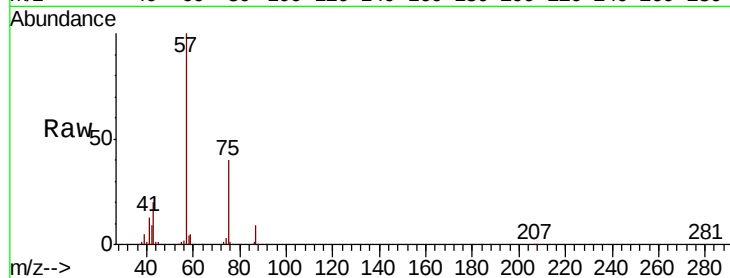
TP-10A

Tot Ion: 43 Resp: 64417

Ion Ratio Lower Upper

43 100

58 18.7 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 50.523 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

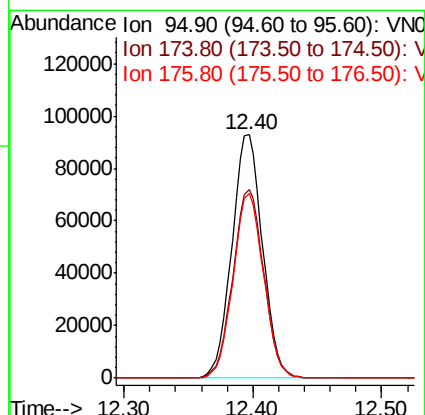
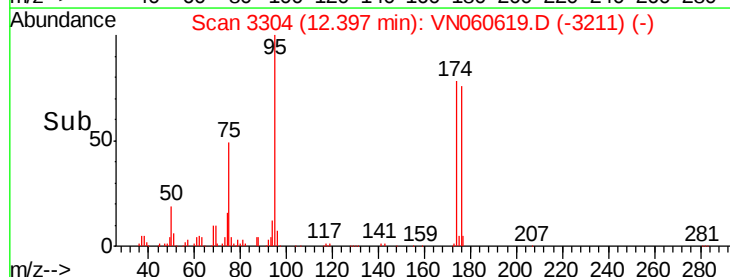
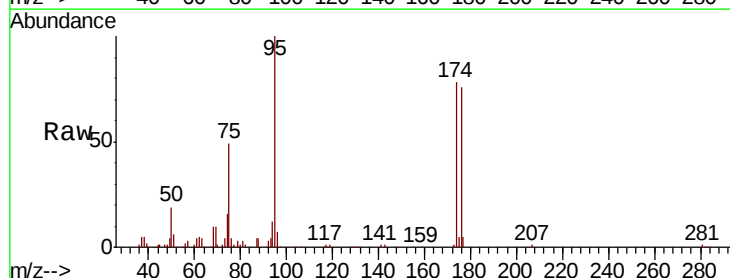
Tgt Ion: 95 Resp: 153078

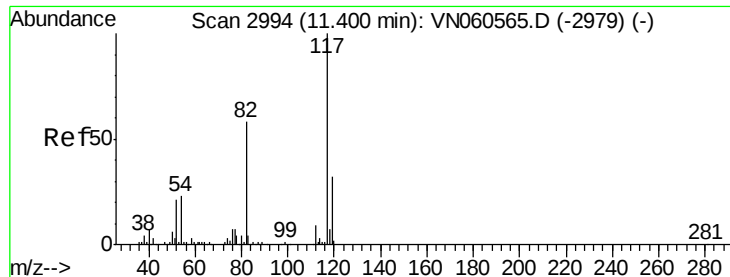
Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

176 75.6 0.0 150.6

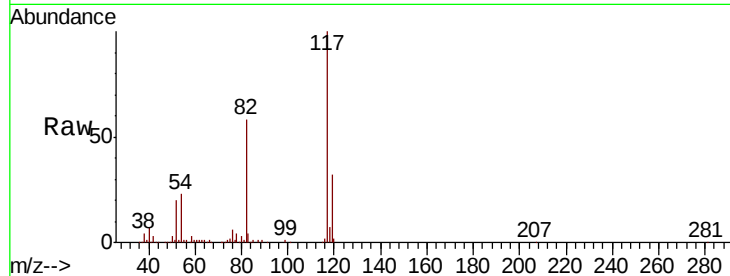




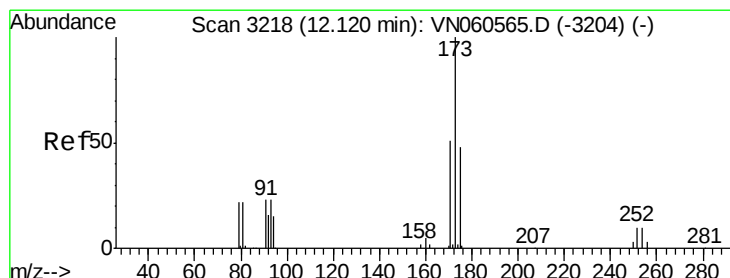
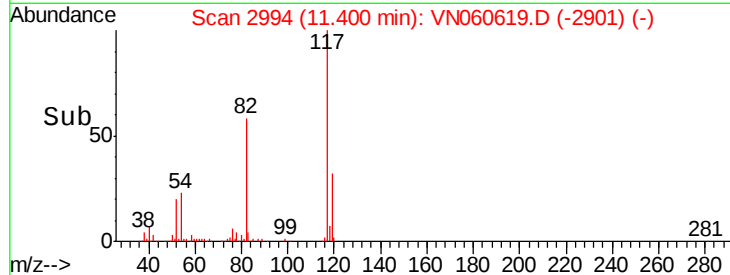
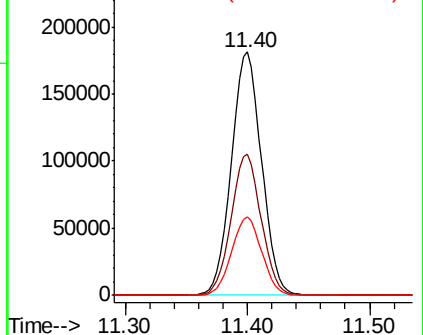
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

Instrument :
MSVOA_N
ClientSampleId :
TP-10A

Tot Ion:117 Resp: 312015
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.4 25.5 38.3

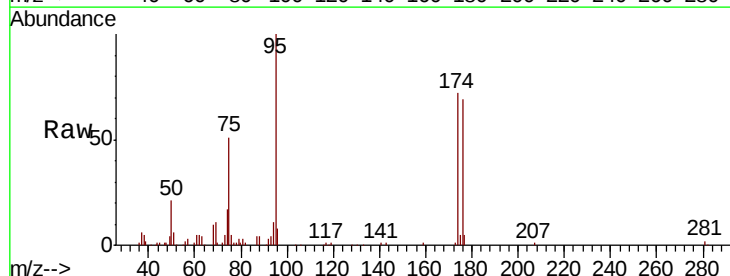


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

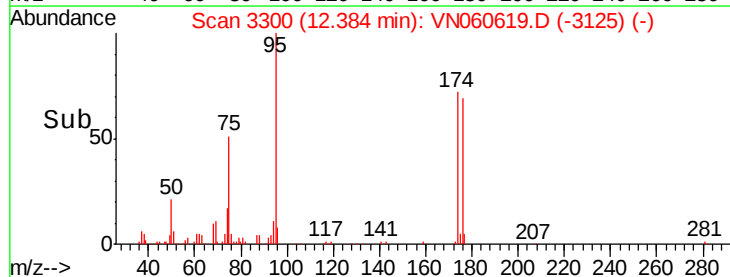
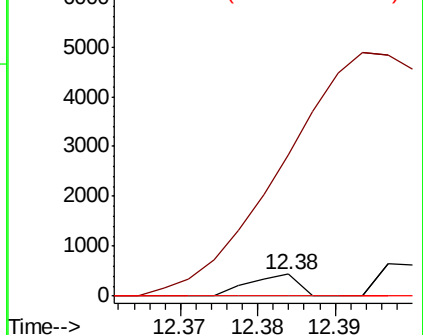


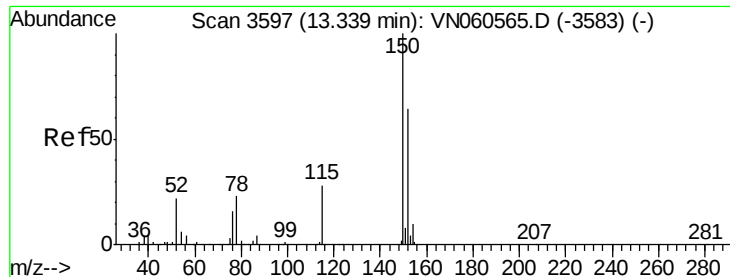
#71
Bromoform
Concen: 1.781 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN060619.D
Acq: 19 Mar 2020 2:36

Tgt Ion:173 Resp: 193
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: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampleId :

TP-10A

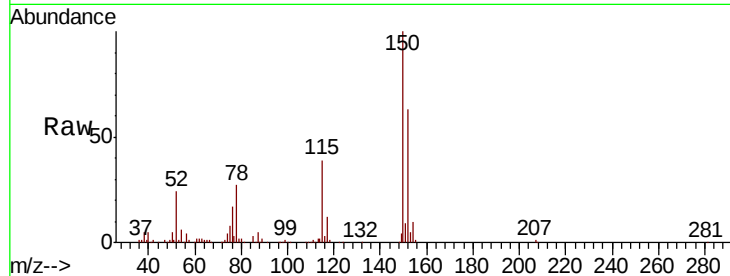
Tot Ion:152 Resp: 142803

Ion Ratio Lower Upper

152 100

115 60.5 30.2 90.6

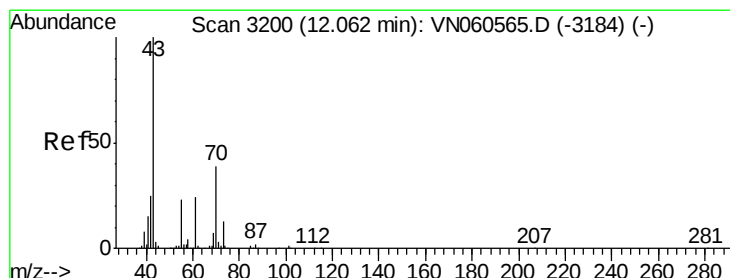
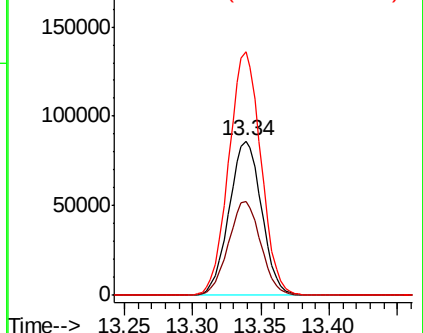
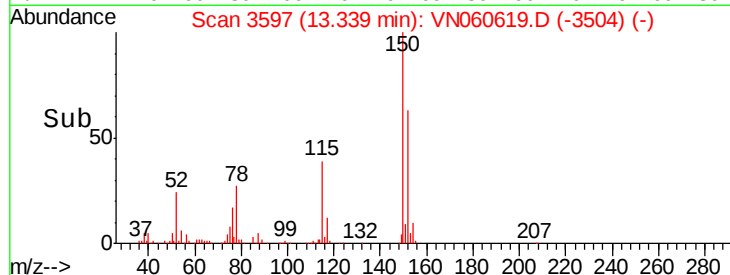
150 156.4 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.700 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Tgt Ion: 43 Resp: 3465

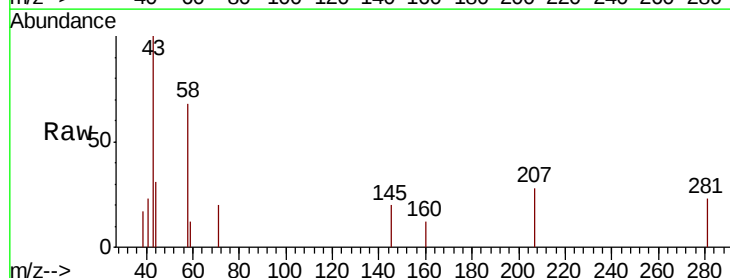
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

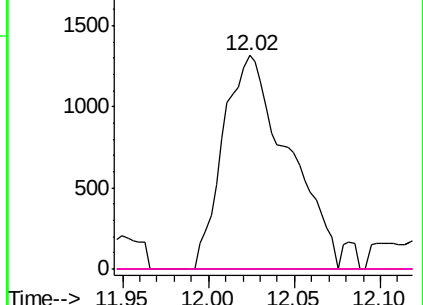
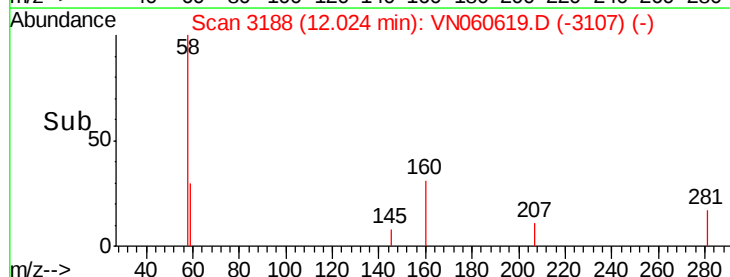


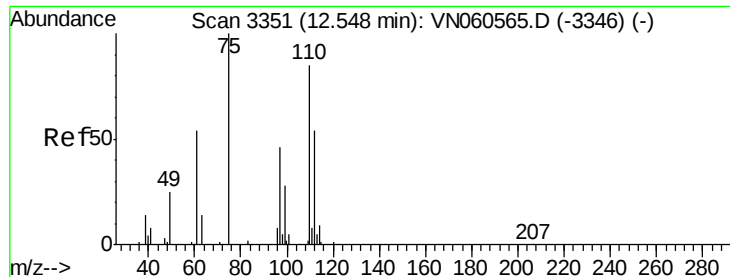
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.797 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Instrument :

MSVOA_N

ClientSampled :

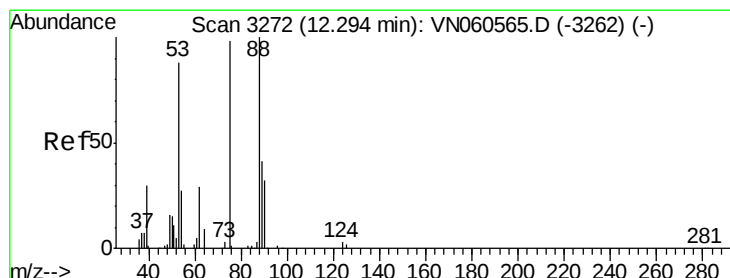
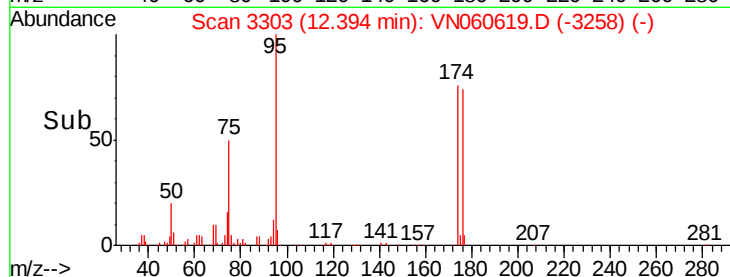
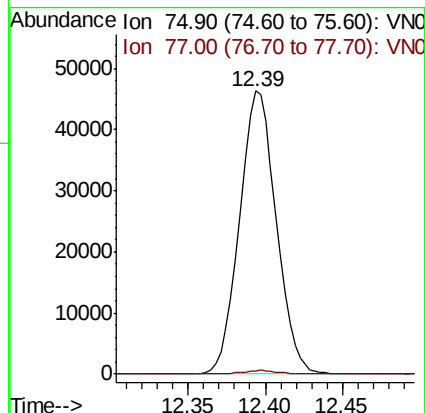
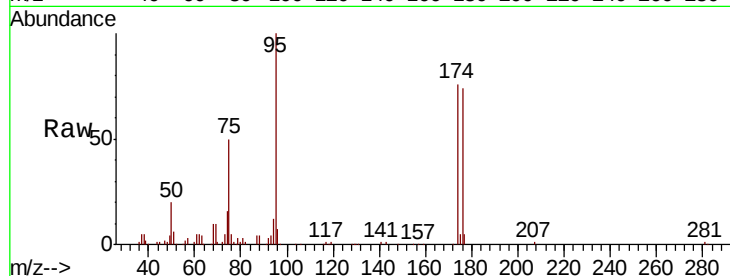
TP-10A

Tot Ion: 75 Resp: 76408

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.685 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060619.D

Acq: 19 Mar 2020 2:36

Tgt Ion: 75 Resp: 76408

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

