

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059843.D
 Acq On : 24 Jan 2020 14:20
 Operator : JC/MD
 Sample : L1007-26
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:28:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	213443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	120866	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	111381	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.57	113	97036	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.08	98	375035	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.40	95	128372	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	

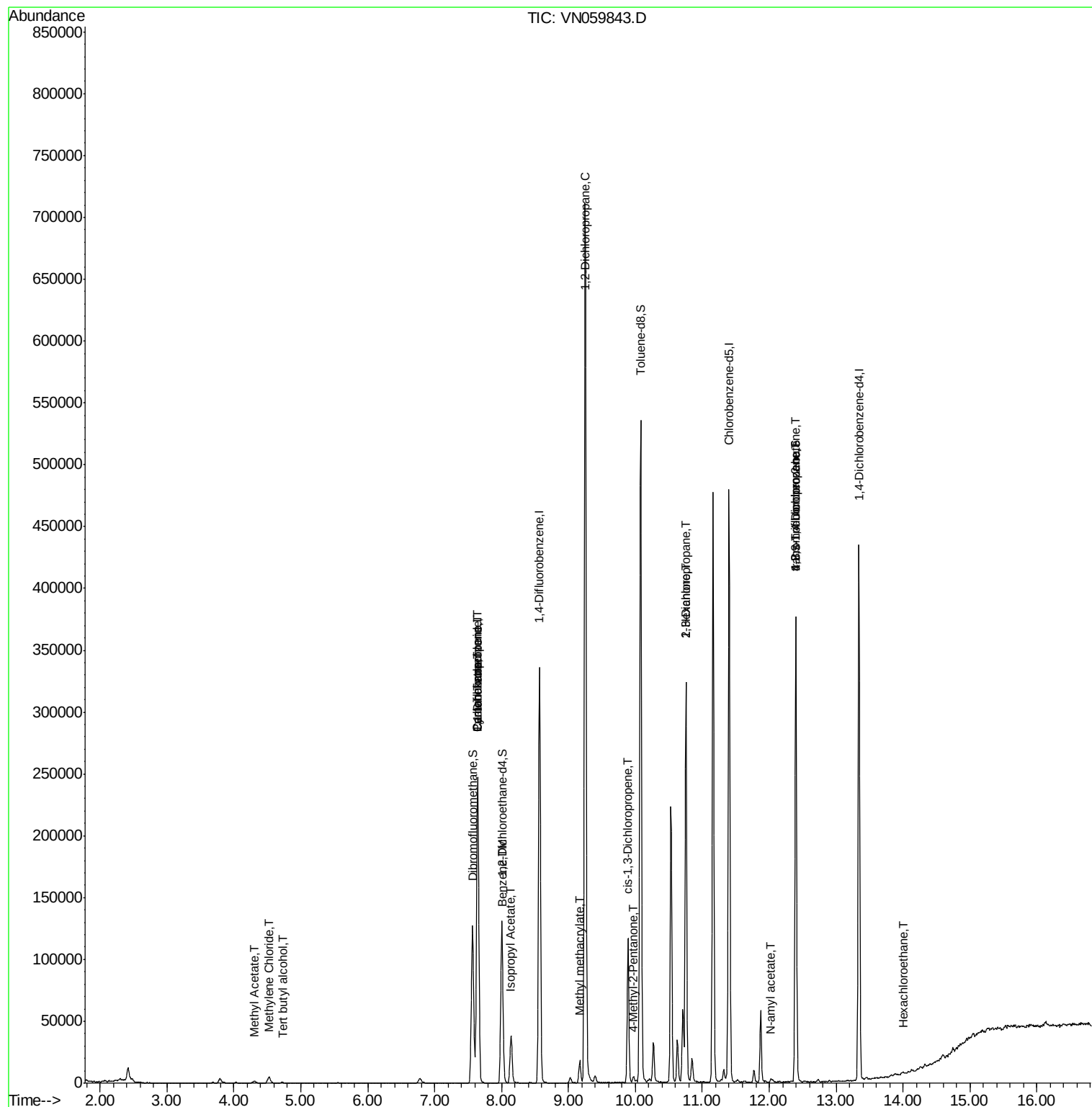
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	748	1.875	ug/l #	72
16) Acetone	3.79	43	6141	Below Cal	#	81
18) Methyl Acetate	4.30	43	2558	0.924	ug/l #	77
20) Methylene Chloride	4.52	84	4288	0.724	ug/l #	80
31) Cyclohexane	7.63	56	3984	1.136	ug/l #	15
36) 1,1-Dichloropropene	7.64	75	14249	5.175	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19666	6.566	ug/l #	16
40) Benzene	8.02	78	1908	0.232	ug/l	99
43) Isopropyl Acetate	8.14	43	45718	10.293	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	861	0.424	ug/l #	44
48) Methyl methacrylate	9.17	41	2535	1.276	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3393	1.321	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	22149	6.527	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3498	1.073	ug/l #	42
59) 2-Hexanone	10.75	43	45251	23.922	ug/l #	56
74) N-amyl acetate	12.03	43	2945	0.856	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	63437	31.187	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63437	66.975	ug/l #	11
90) Hexachloroethane	13.99	117	610	0.416	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61	Below Cal	#	6

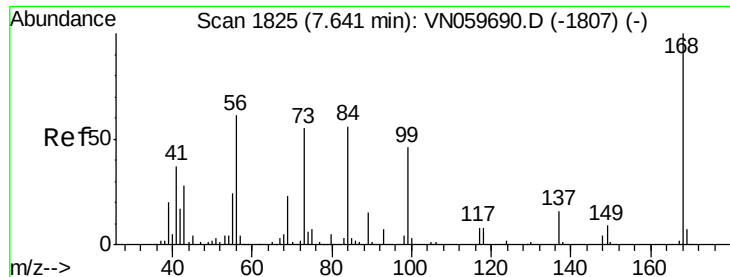
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012420\
Data File : VN059843.D
Acq On : 24 Jan 2020 14:20
Operator : JC/MD
Sample : L1007-26
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 25 00:28:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

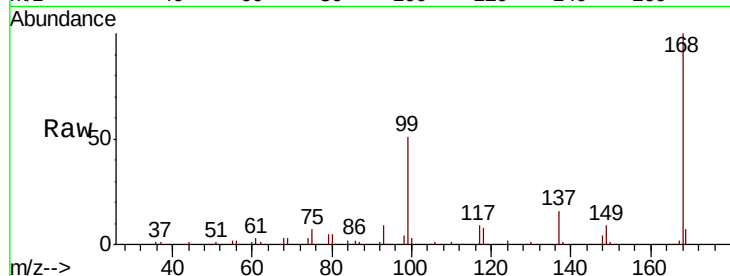
ClientSampleId :

Tot Ion:168 Resp: 213443

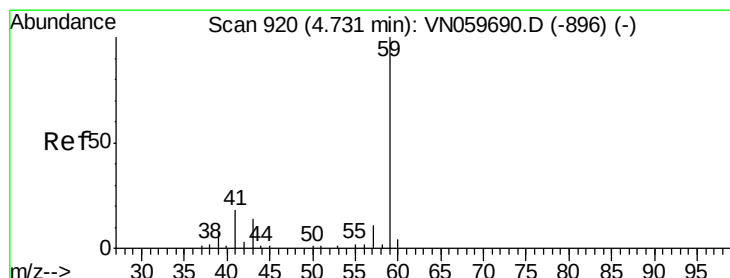
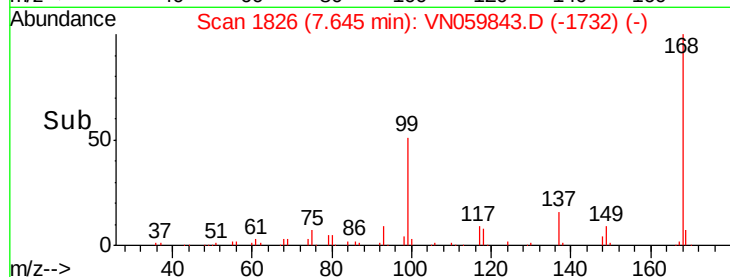
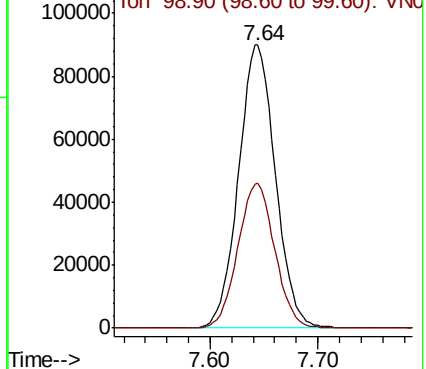
Ion Ratio Lower Upper

168 100

99 51.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)



#11

Tert butyl alcohol

Concen: 1.875 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN059843.D

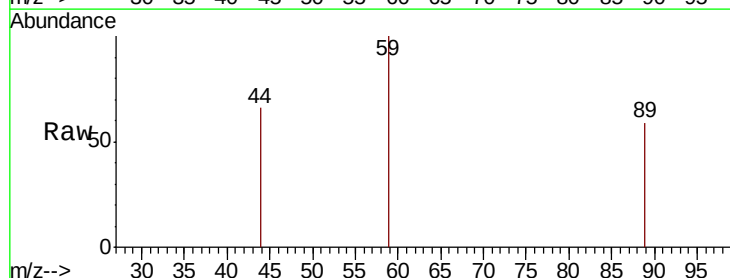
Acq: 24 Jan 2020 14:20

Tgt Ion: 59 Resp: 748

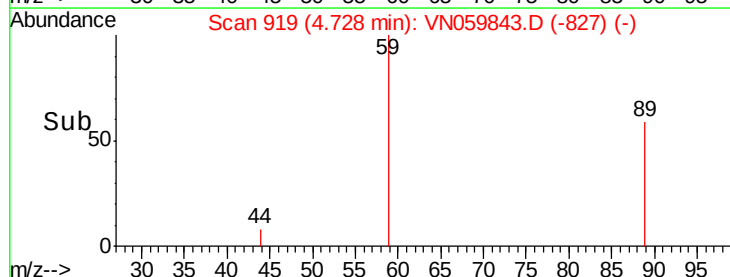
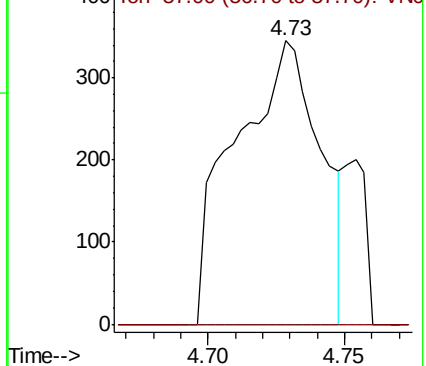
Ion Ratio Lower Upper

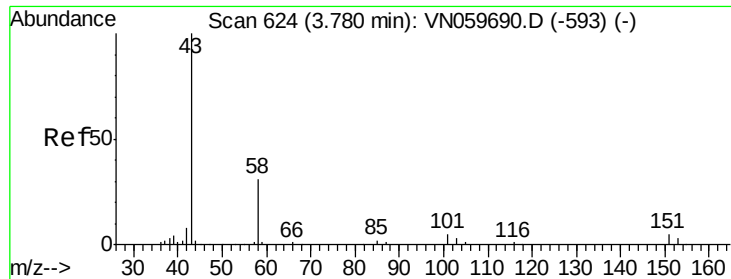
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059690.D (-896) (-)





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

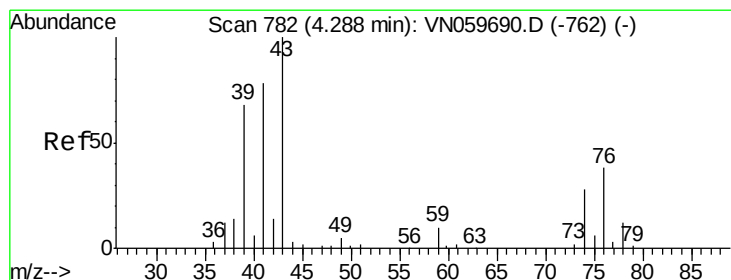
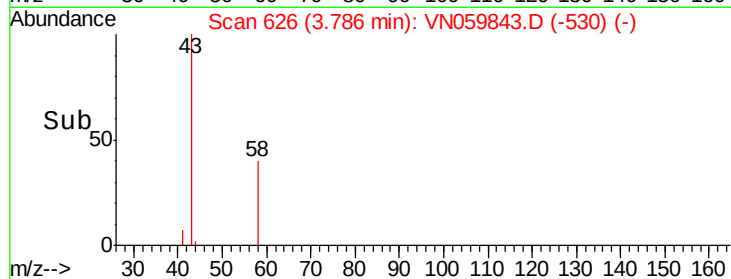
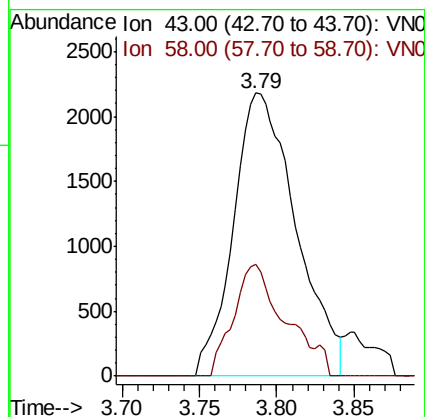
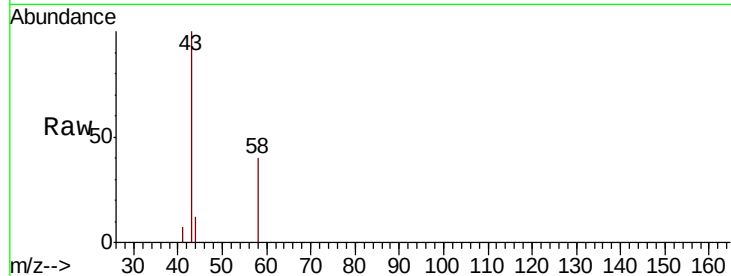
ClientSampled :

Tot Ion: 43 Resp: 6141

Ion Ratio Lower Upper

43 100

58 39.7 23.6 35.4#



#18

Methyl Acetate

Concen: 0.924 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN059843.D

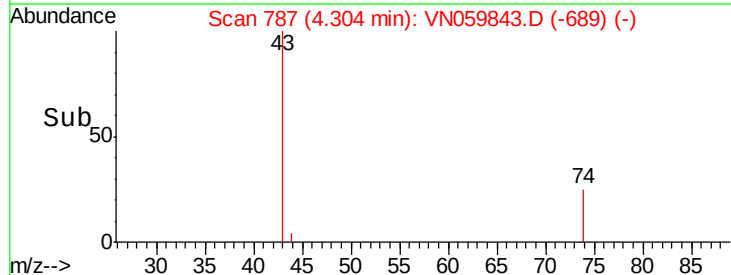
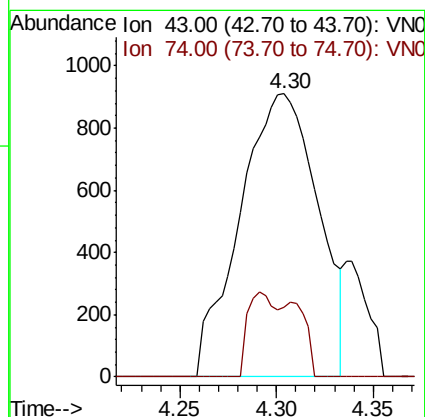
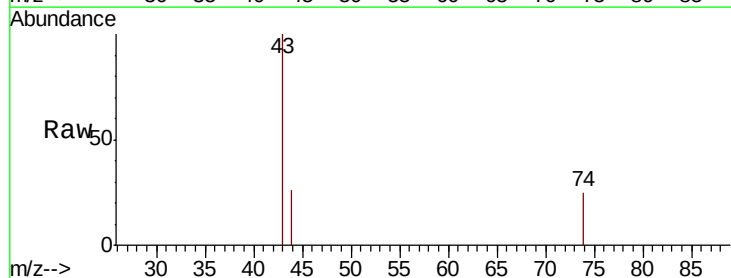
Acq: 24 Jan 2020 14:20

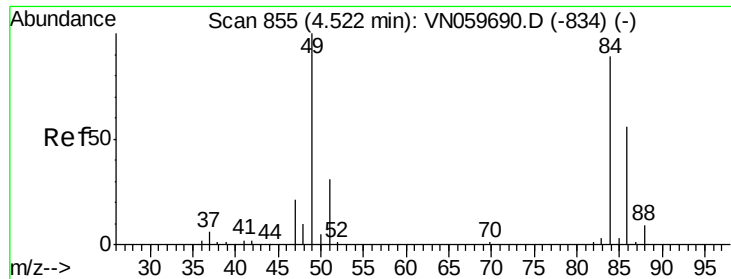
Tgt Ion: 43 Resp: 2558

Ion Ratio Lower Upper

43 100

74 10.8 17.5 26.3#

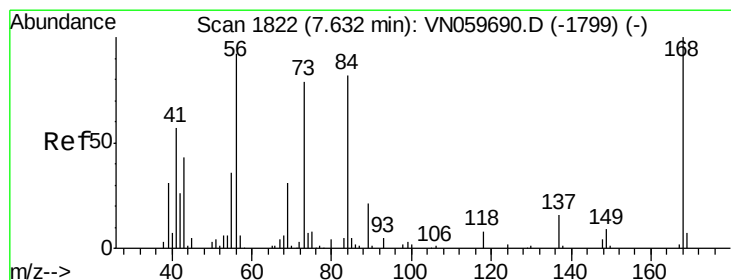
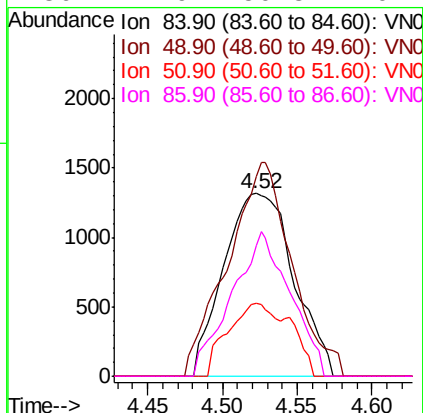
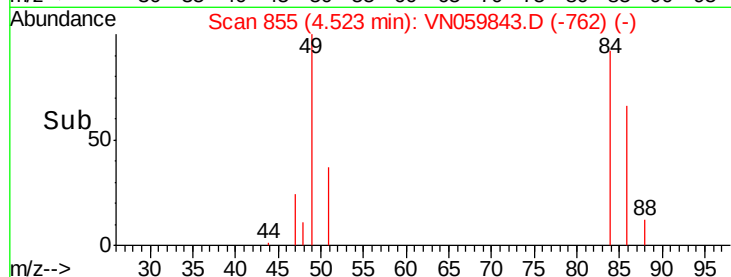
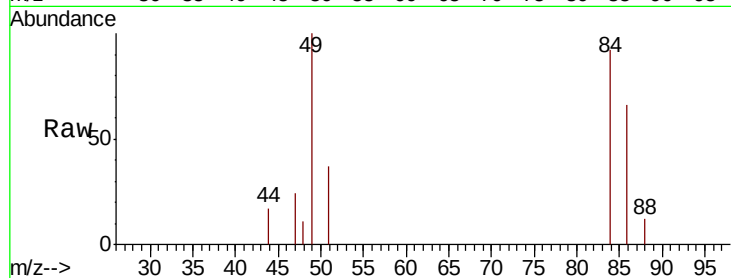




#20
Methvlene Chloride
Concen: 0.724 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

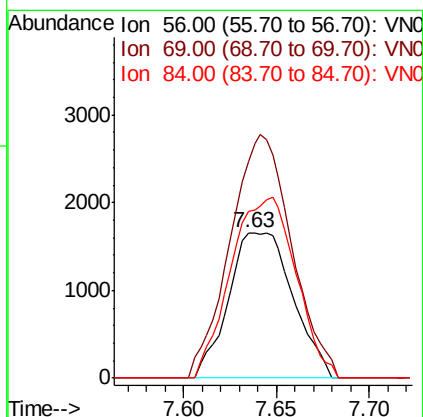
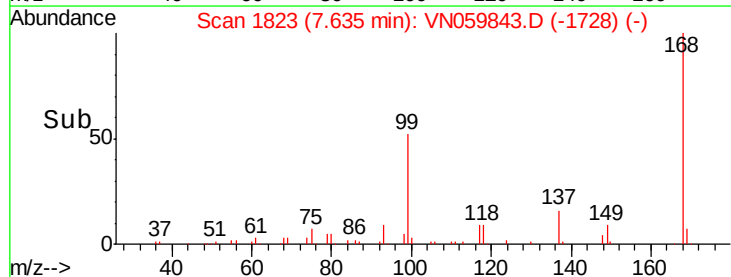
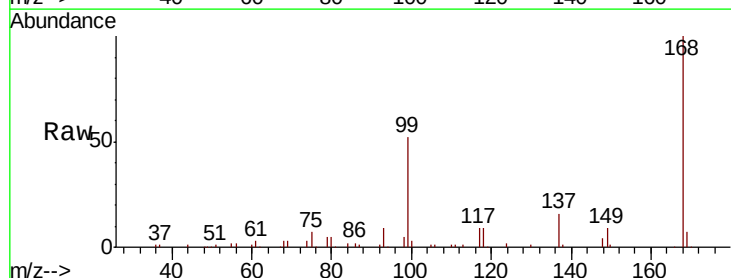
Instrument :
MSVOA_N
ClientSampled :

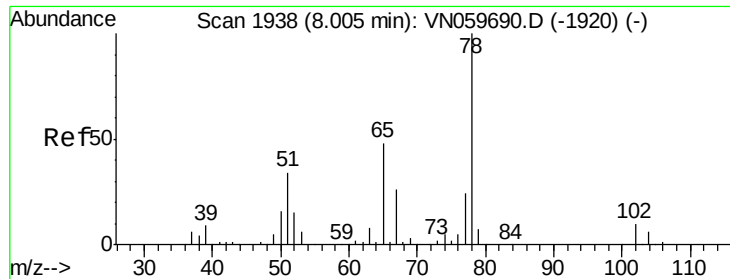
Tot Ion:	84	Resp:	4288
Ion	Ratio	Lower	Upper
84	100		
49	97.8	106.6	160.0#
51	40.2	31.9	47.9
86	71.9	50.8	76.2



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

Tgt Ion:	56	Resp:	3984
Ion	Ratio	Lower	Upper
56	100		
69	149.1	26.5	39.7#
84	114.6	65.3	97.9#

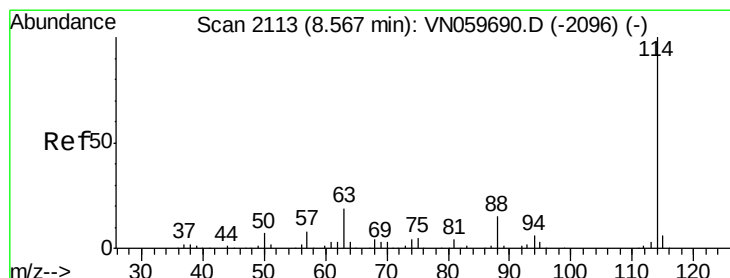
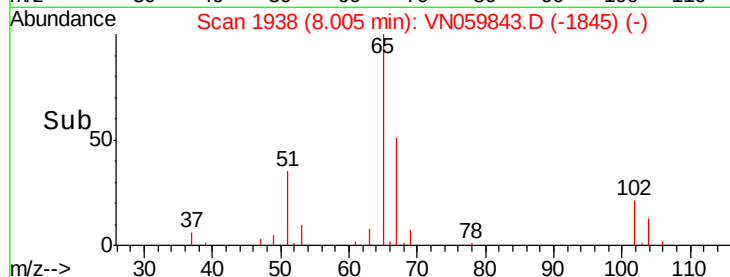
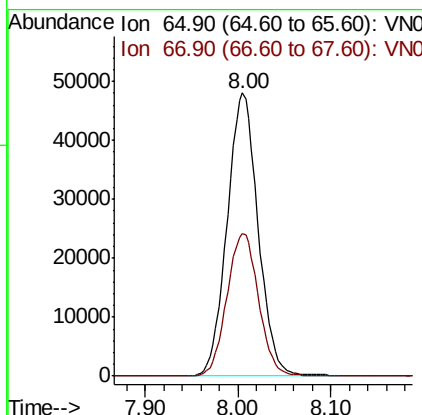
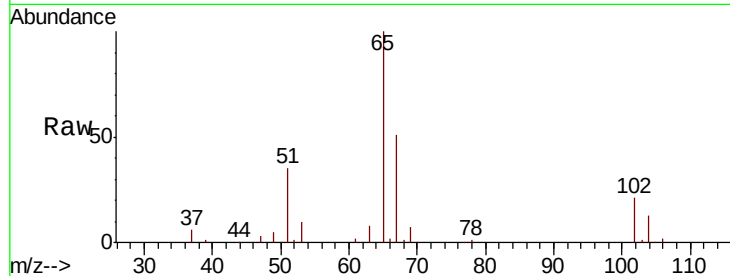




#33
 1,2-Dichloroethane-d4
 Concen: 46.989 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

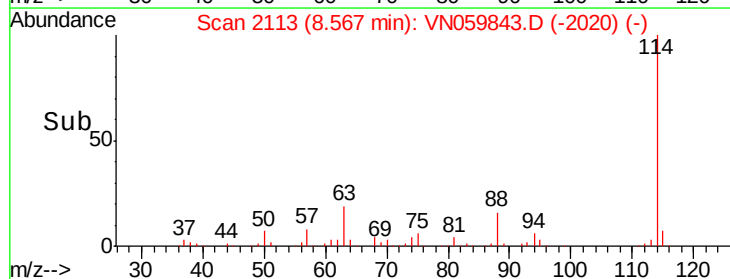
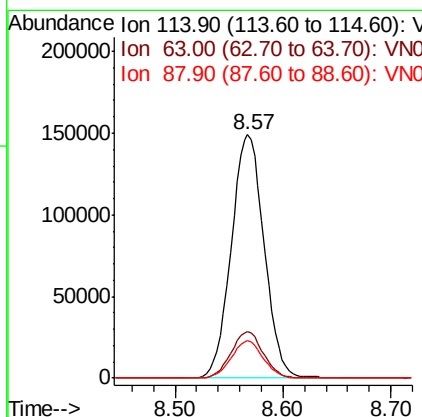
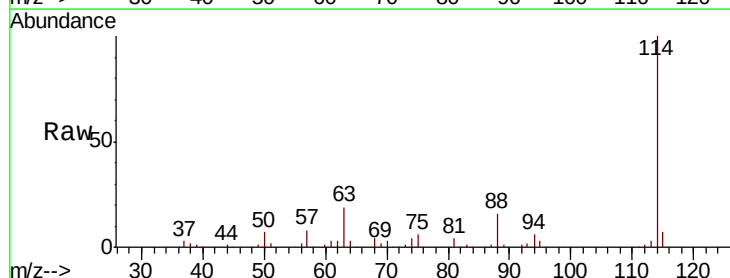
Instrument :
 MSVOA_N
 ClientSampleId :

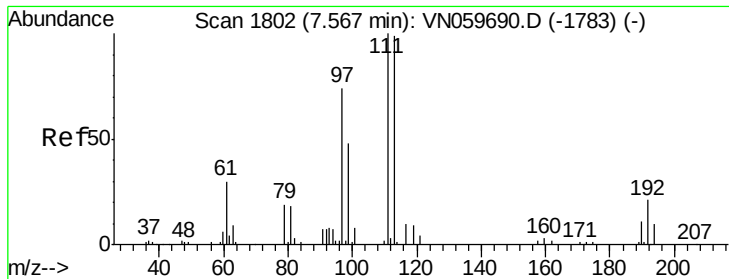
Tot Ion: 65 Resp: 111381
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

Tgt Ion: 114 Resp: 316172
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 15.6 0.0 31.4

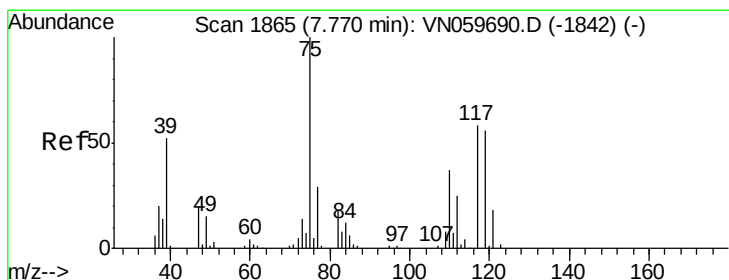
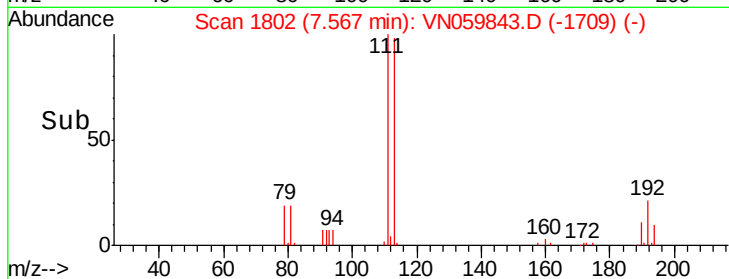
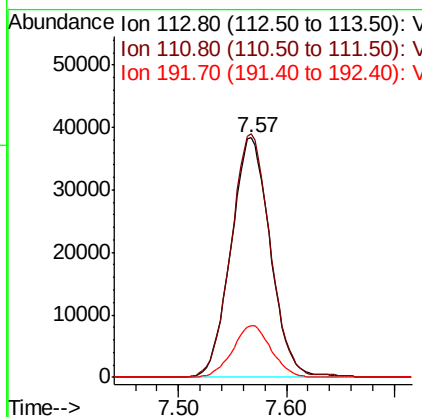
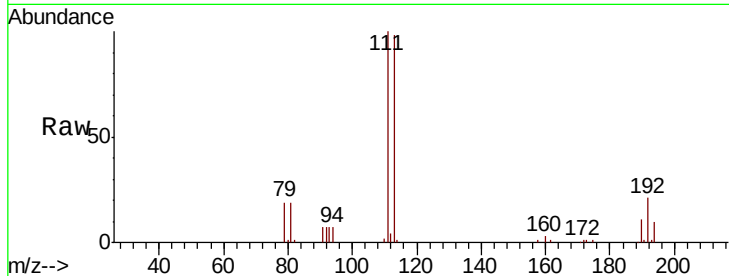




#35
 Dibromofluoromethane
 Concen: 51.465 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

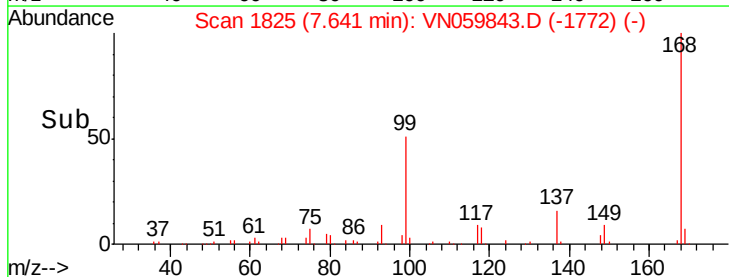
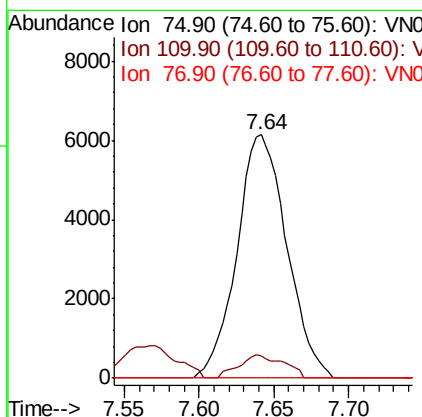
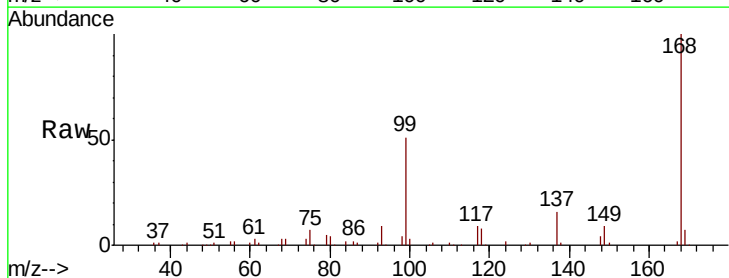
Instrument :
 MSVOA_N
 ClientSampled :

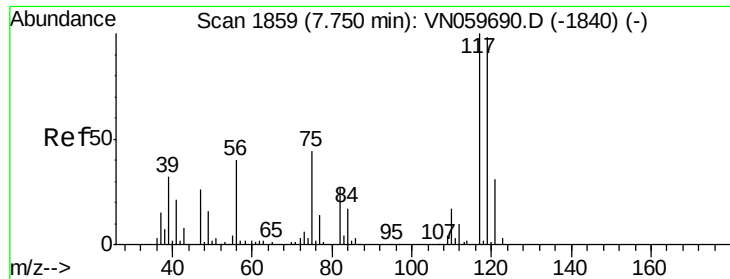
Tot Ion:113 Resp: 97036
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.5 125.3
 192 21.2 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

Tgt Ion: 75 Resp: 14249
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.566 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

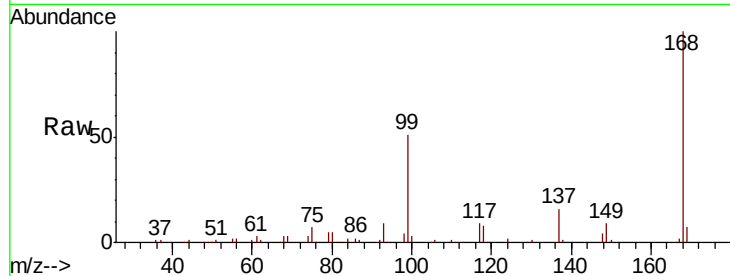
Tot Ion:117 Resp: 19666

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

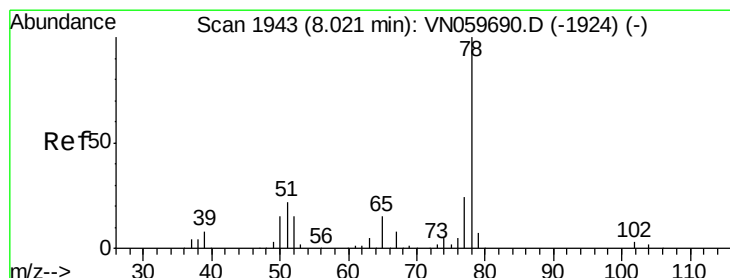
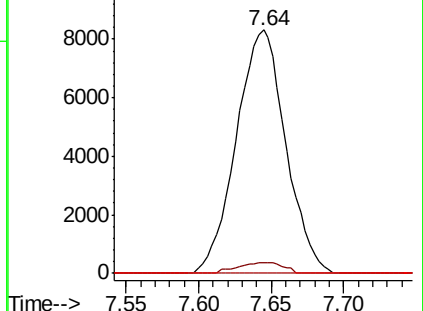
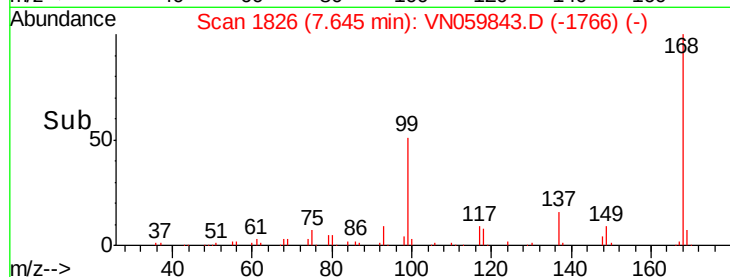
121 0.0 25.1 37.7#



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



#40

Benzene

Concen: 0.232 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059843.D

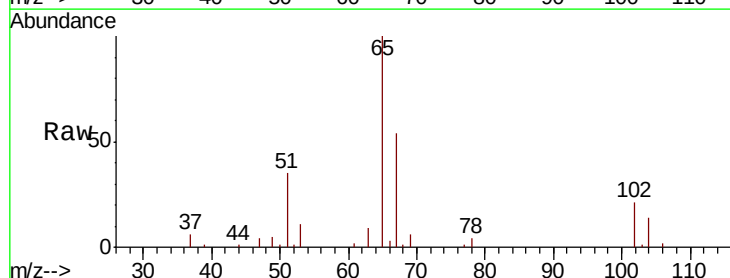
Acq: 24 Jan 2020 14:20

Tgt Ion: 78 Resp: 1908

Ion Ratio Lower Upper

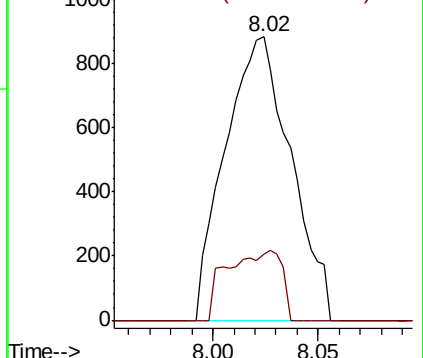
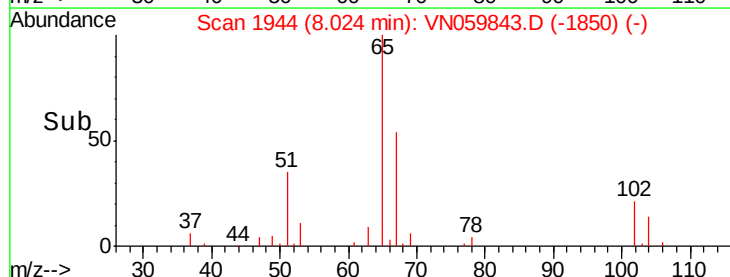
78 100

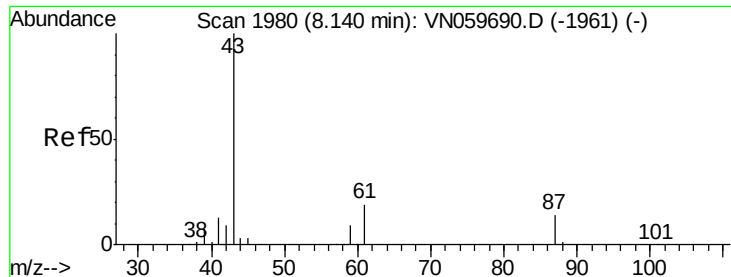
77 23.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 10.293 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

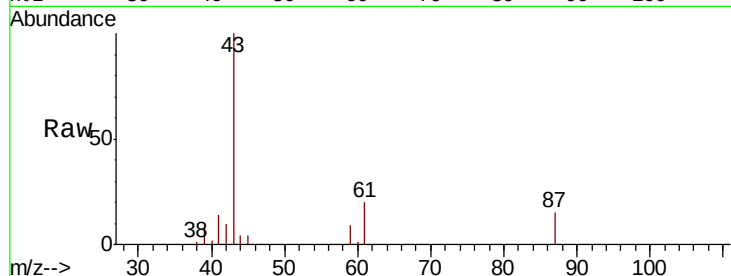
Tot Ion: 43 Resp: 45718

Ion Ratio Lower Upper

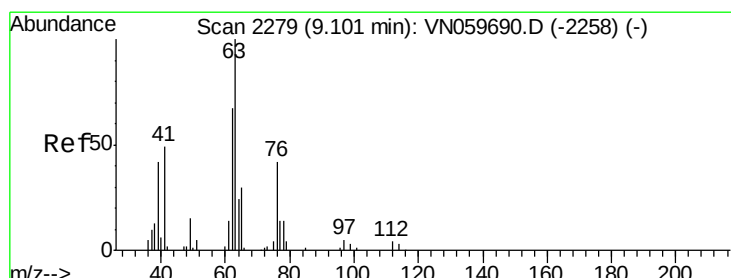
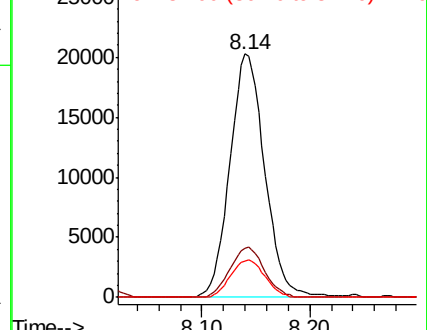
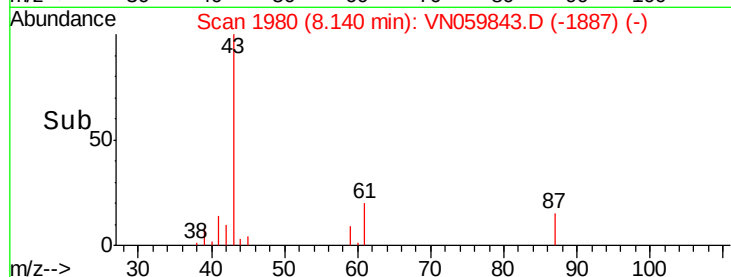
43 100

61 20.2 20.2 30.2

87 15.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059843.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.424 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059843.D

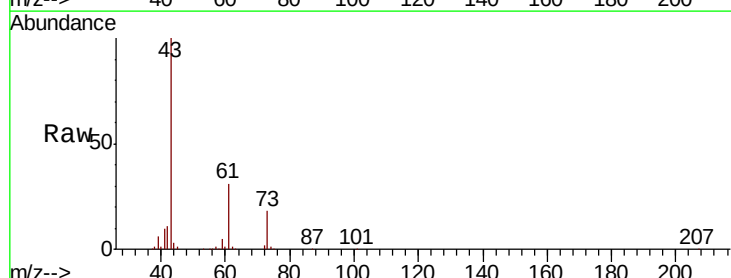
Acq: 24 Jan 2020 14:20

Tgt Ion: 63 Resp: 861

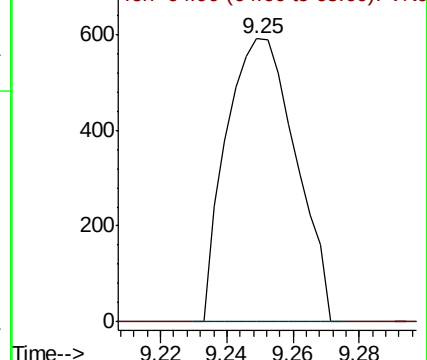
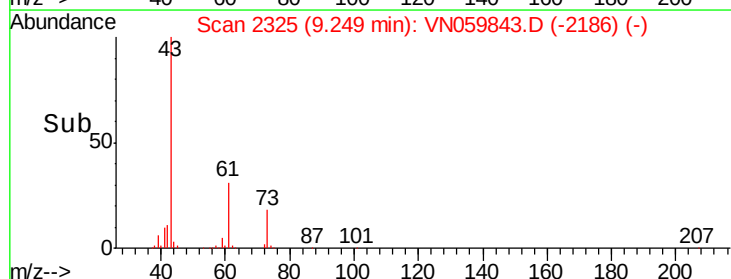
Ion Ratio Lower Upper

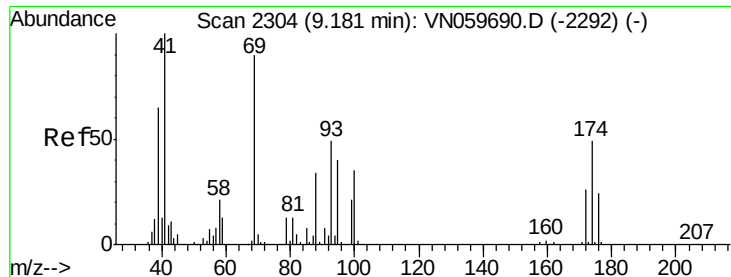
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059843.D (-2186) (-)

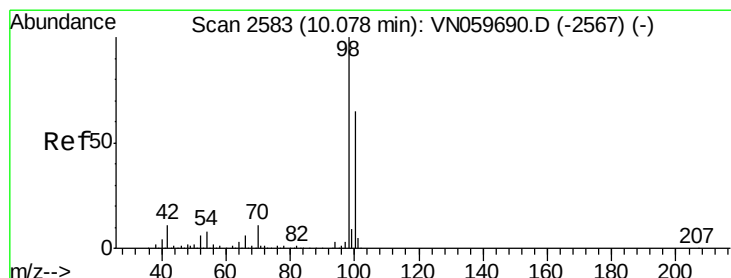
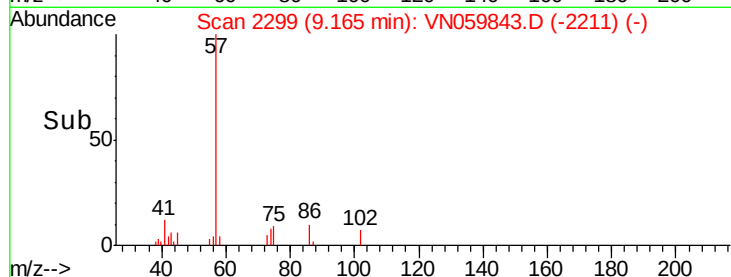
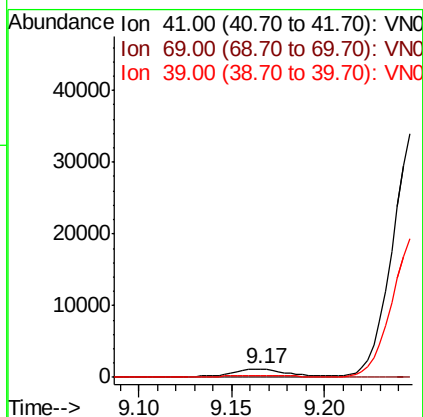
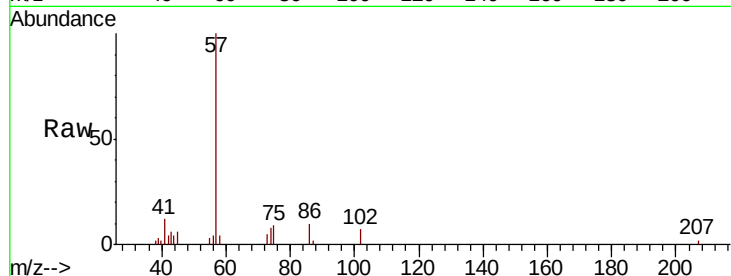




#48
Methvl methacrylate
Concen: 1.276 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

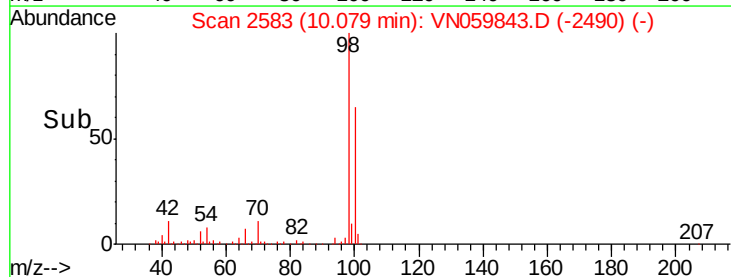
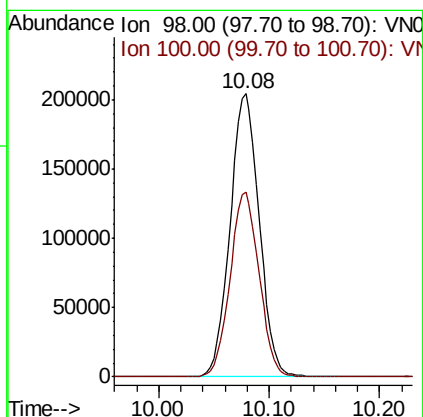
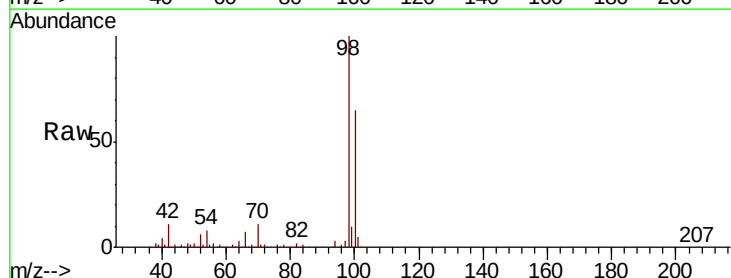
Instrument :
MSVOA_N
ClientSampled :

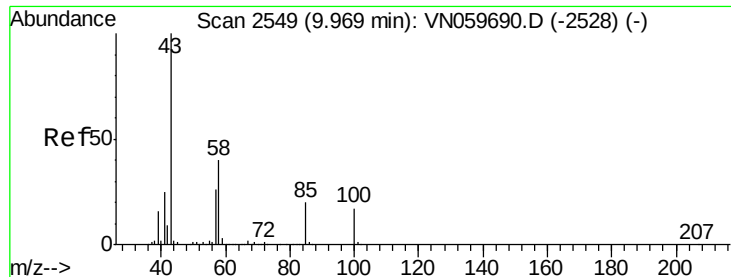
Tot Ion: 41 Resp: 2535
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.338 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

Tgt Ion: 98 Resp: 375035
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8

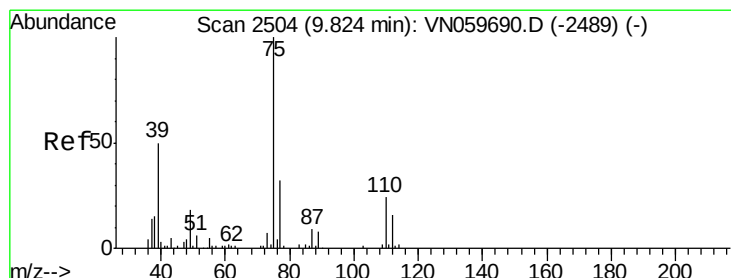
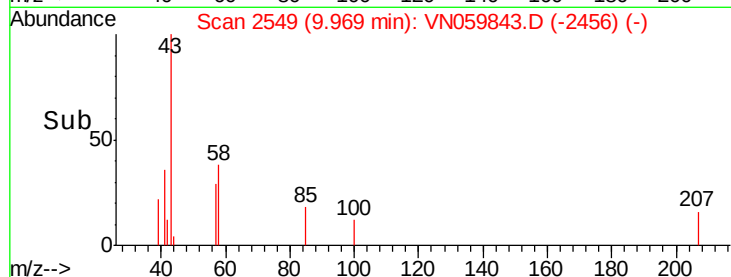
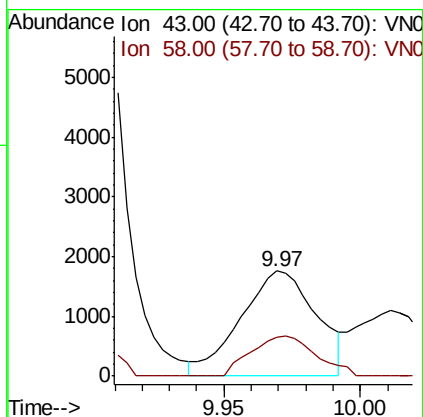
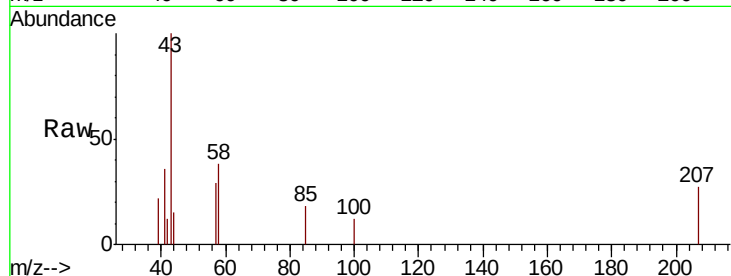




#51
 4-Methyl-2-Pentanone
 Concen: 1.321 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

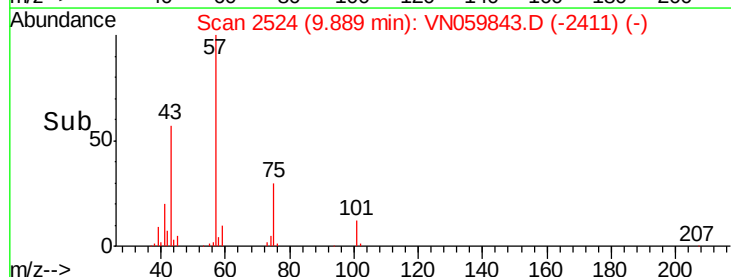
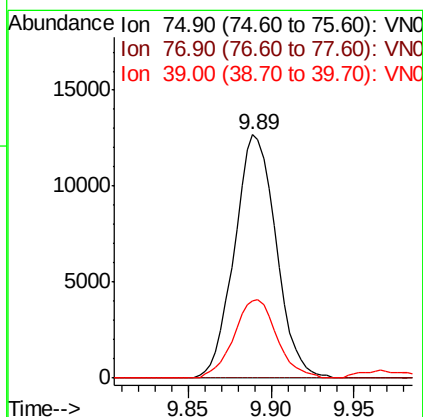
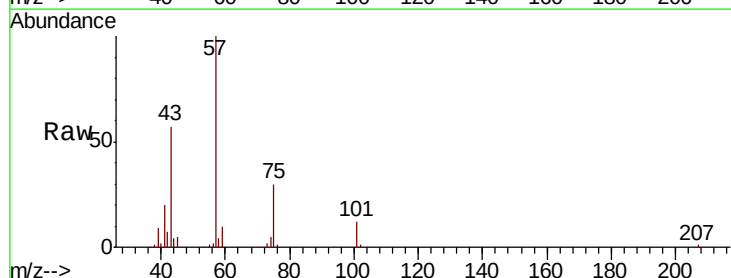
Instrument :
 MSVOA_N
 ClientSampled :

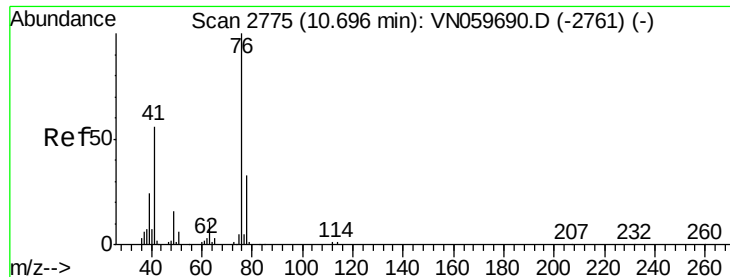
Tot Ion: 43 Resp: 3393
 Ion Ratio Lower Upper
 43 100
 58 32.7 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.527 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

Tgt Ion: 75 Resp: 22149
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 31.8 46.1 69.1#

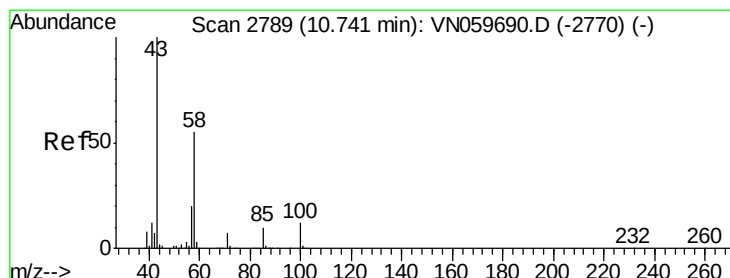
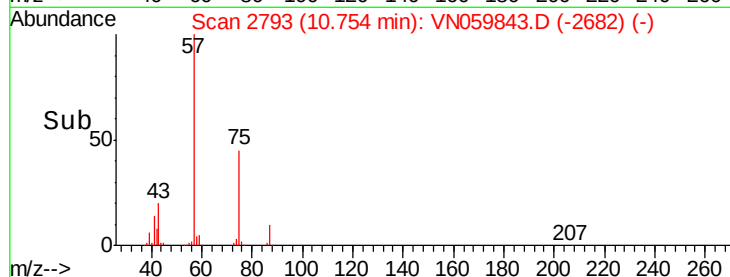
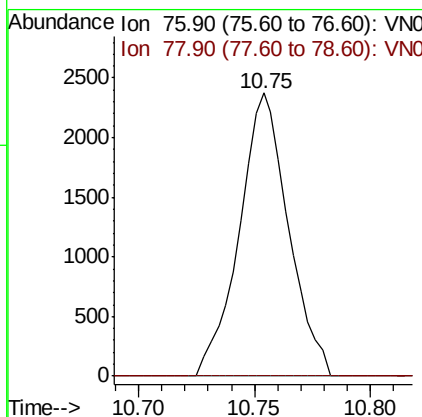
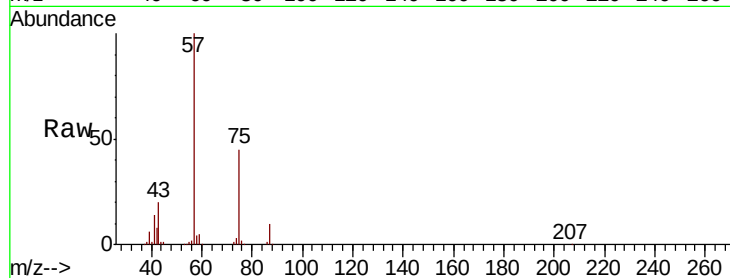




#57
 1,3-Dichloropropane
 Concen: 1.073 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

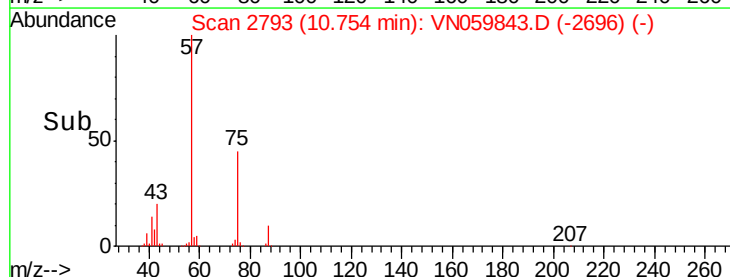
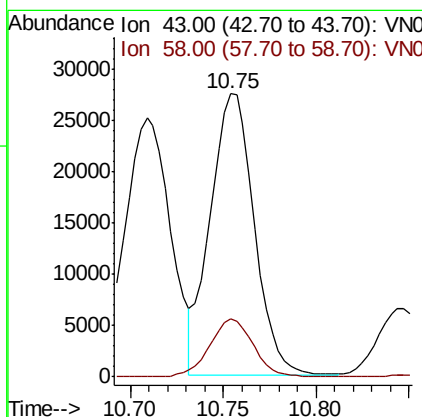
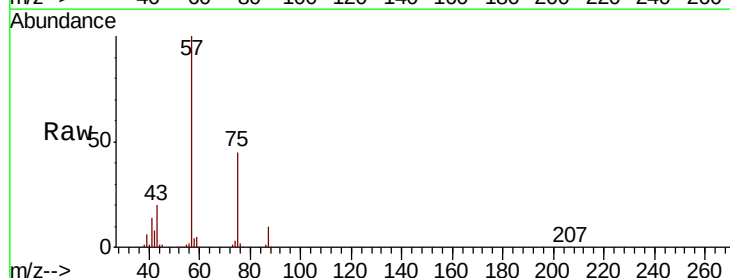
Instrument :
 MSVOA_N
 ClientSampled :

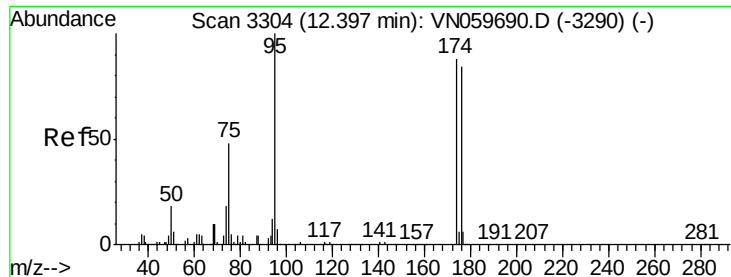
Tot Ion: 76 Resp: 3498
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 23.922 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059843.D
 Acq: 24 Jan 2020 14:20

Tgt Ion: 43 Resp: 45251
 Ion Ratio Lower Upper
 43 100
 58 20.5 25.8 77.3#

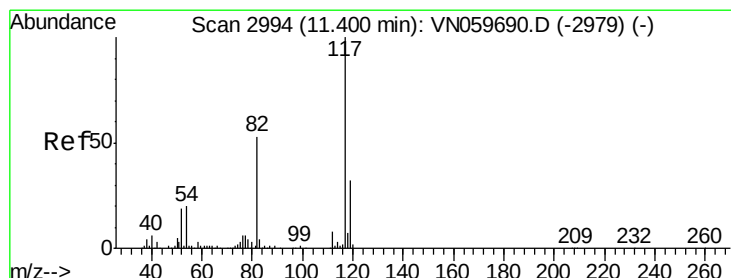
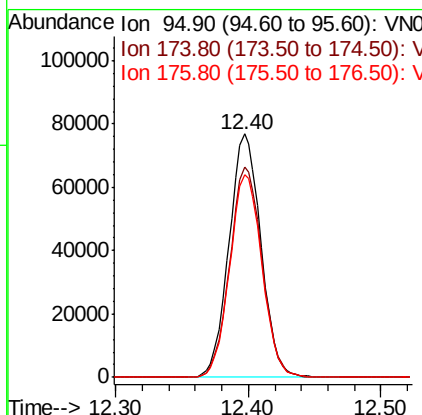
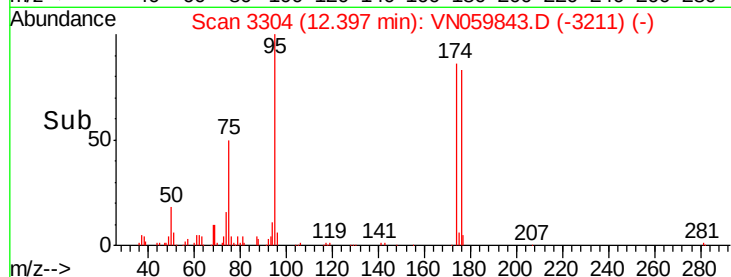
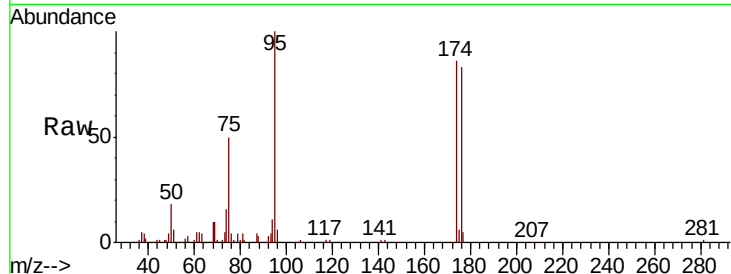




#62
4-Bromofluorobenzene
Concen: 48.745 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

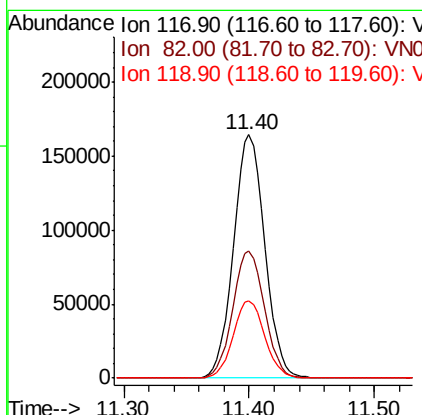
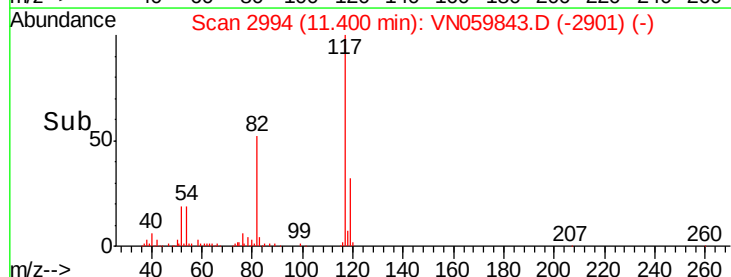
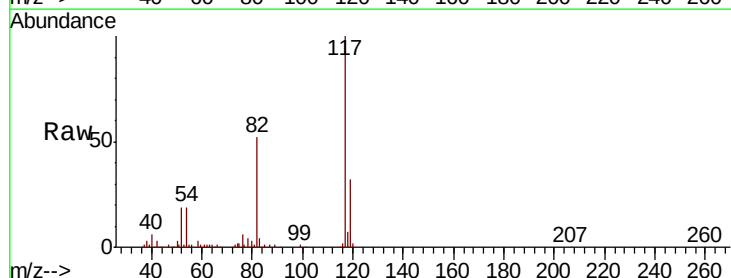
Instrument :
MSVOA_N
ClientSampled :

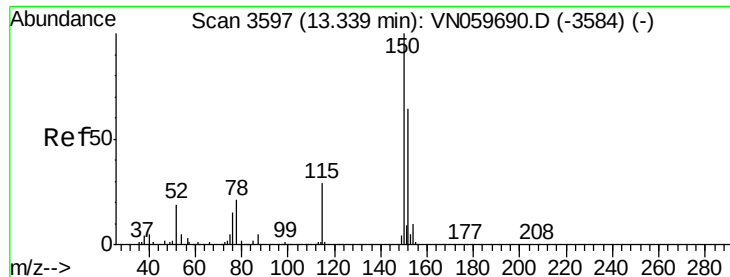
Tot Ion: 95 Resp: 128372
Ion Ratio Lower Upper
95 100
174 87.4 0.0 151.4
176 84.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

Tgt Ion: 117 Resp: 284772
Ion Ratio Lower Upper
117 100
82 52.1 45.9 68.9
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

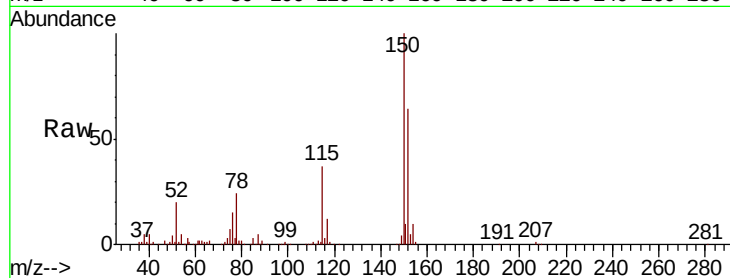
Tot Ion:152 Resp: 120866

Ion Ratio Lower Upper

152 100

115 57.1 30.3 90.9

150 155.8 0.0 345.2

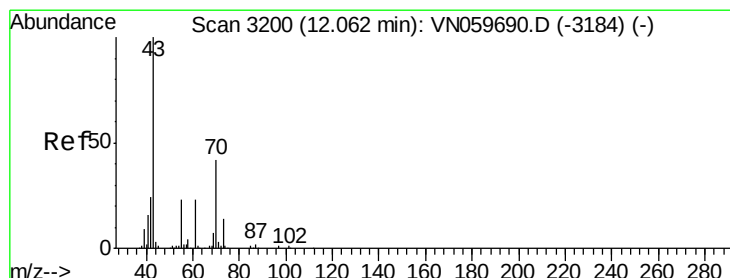
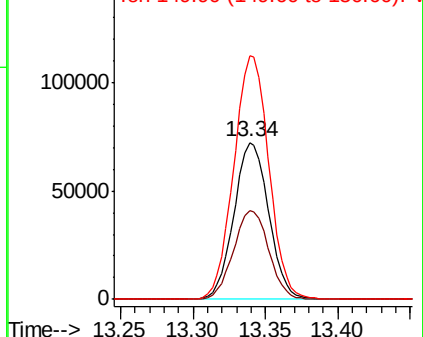
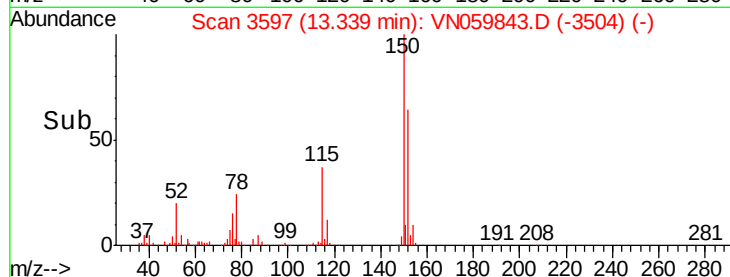


Abundance

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: 0.856 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Tgt Ion: 43 Resp: 2945

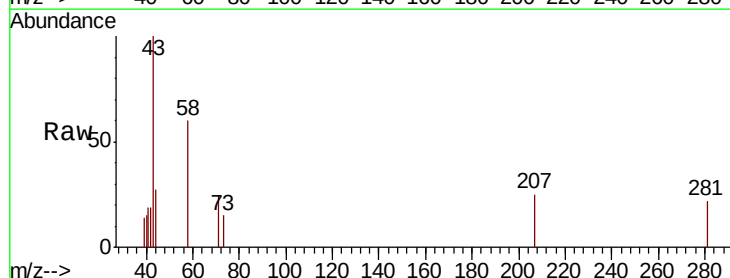
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



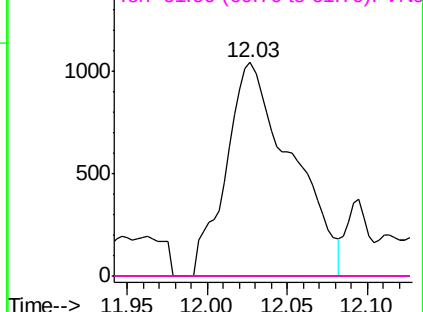
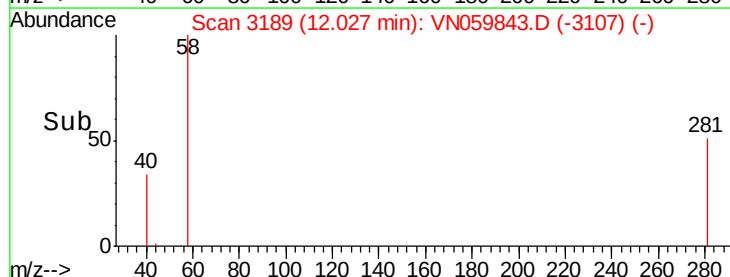
Abundance

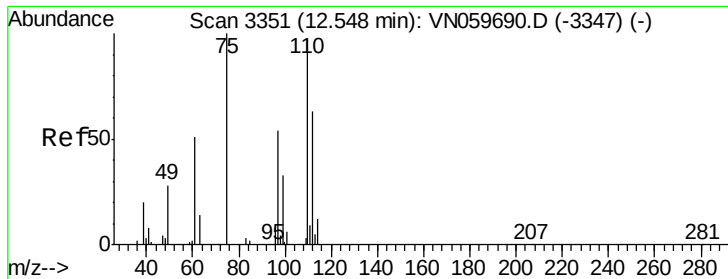
Ion 43.00 (42.70 to 43.70): VNO

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: 31.187 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

Instrument :

MSVOA_N

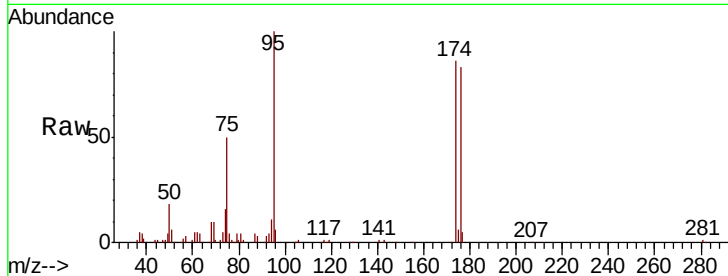
ClientSampled :

Tot Ion: 75 Resp: 63437

Ion Ratio Lower Upper

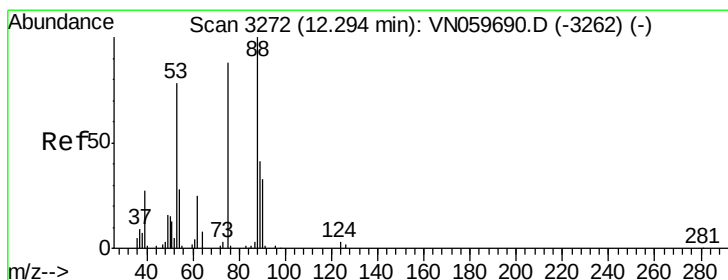
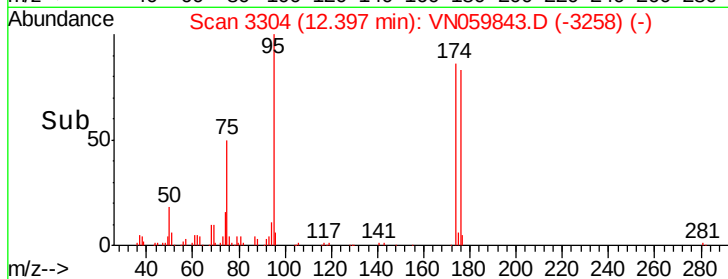
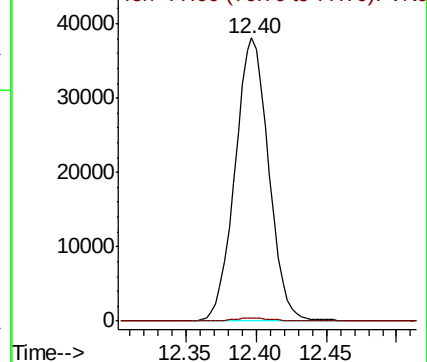
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.975 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059843.D

Acq: 24 Jan 2020 14:20

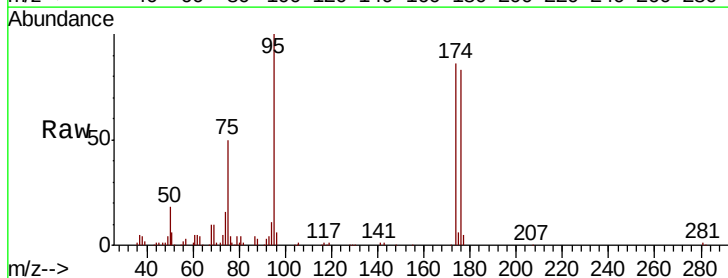
Tgt Ion: 75 Resp: 63437

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

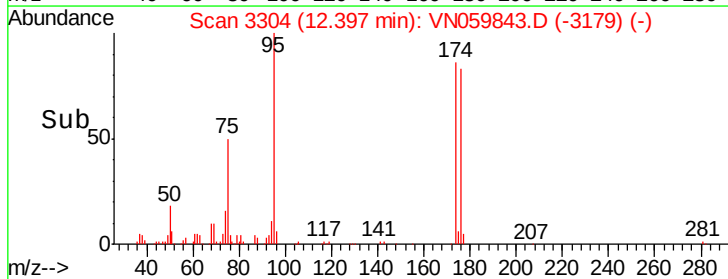
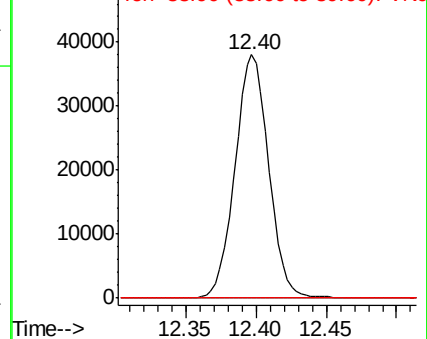
89 0.0 35.4 53.2#

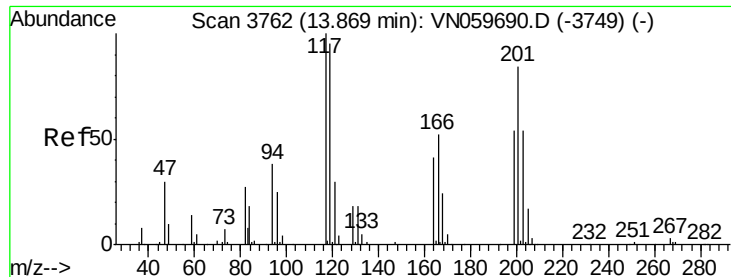


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

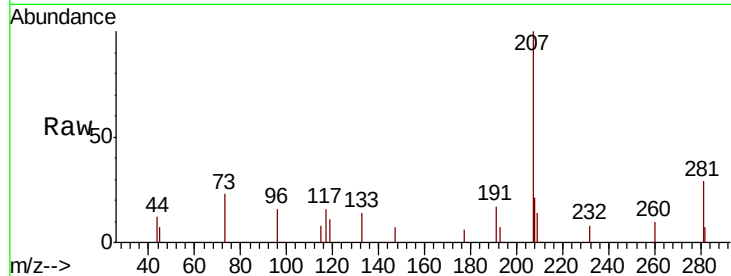




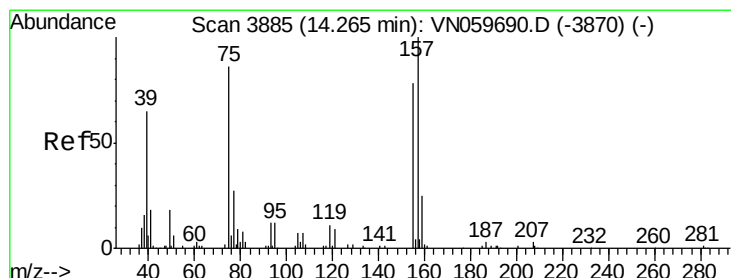
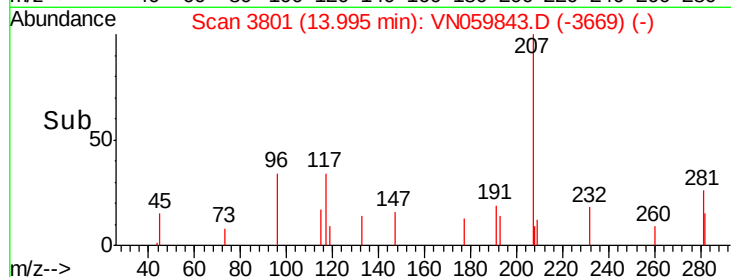
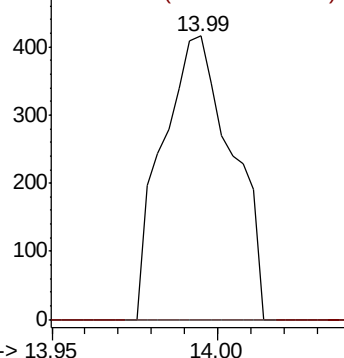
#90
Hexachloroethane
Concen: 0.416 ug/l
RT: 13.99 min Scan# 3801
Delta R.T. 0.13 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 610
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.4#

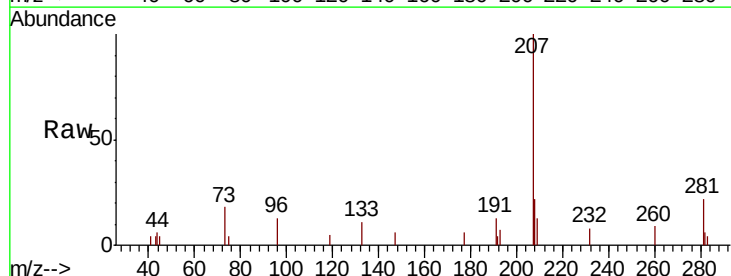


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.27 min Scan# 3887
Delta R.T. 0.01 min
Lab File: VN059843.D
Acq: 24 Jan 2020 14:20

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

