

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054854.D
 Acq On : 31 Mar 2019 16:52
 Operator : JC/SP
 Sample : K2180-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

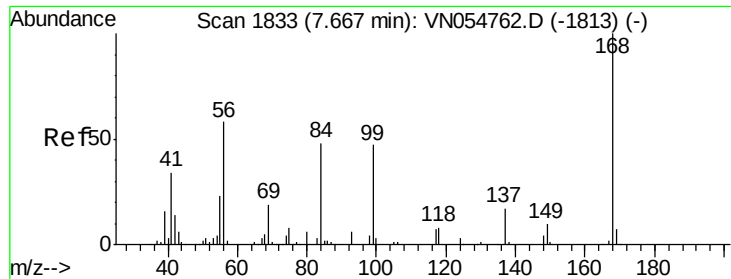
Quant Time: Apr 01 02:48:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	507233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	847336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	718984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	340368	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	272484	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	1006710	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	309523	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	438	Below Cal	#	54
13) Acrolein	3.61	56	144	0.452	ug/l #	14
14) Allyl chloride	4.55	41	17971	1.830	ug/l #	21
16) Acetone	3.83	43	8270	5.072	ug/l #	71
18) Methyl Acetate	4.34	43	1945	Below Cal		94
20) Methylene Chloride	4.55	84	393680	68.448	ug/l #	83
29) Tetrahydrofuran	7.22	42	463	0.277	ug/l #	51
30) Chloroform	7.38	83	5660	0.573	ug/l	88
31) Cyclohexane	7.67	56	12097	Below Cal	#	23
36) 1,1-Dichloropropene	7.67	75	39464	4.998	ug/l #	48
38) Carbon Tetrachloride	7.67	117	47283	6.166	ug/l #	17
43) Isopropyl Acetate	8.17	43	16123	1.714	ug/l #	93
45) 1,2-Dichloropropane	9.27	63	1726	0.268	ug/l #	43
48) Methyl methacrylate	9.18	41	6830	1.339	ug/l #	11
49) 1,4-Dioxane	9.26	88	61	1.205	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	9487	1.794	ug/l #	36
54) cis-1,3-Dichloropropene	9.91	75	55748	6.587	ug/l #	69
57) 1,3-Dichloropropane	10.77	76	10265	1.194	ug/l #	43
59) 2-Hexanone	10.77	43	177740	52.492	ug/l #	48
71) Bromoform	12.40	173	1968	0.638	ug/l #	1
74) N-amyl acetate	12.08	43	3189	0.496	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.51	83	287	Below Cal	#	92
76) 1,2,3-Trichloropropane	12.40	75	161073	36.691	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6151	0.363	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	161073	142.718	ug/l #	11
83) tert-Butylbenzene	12.99	119	677	Below Cal	#	86
84) 1,2,4-Trimethylbenzene	13.04	105	6422	0.398	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	1597	0.393	ug/l	87
94) Hexachlorobutadiene	15.01	225	448	Below Cal		88
95) Naphthalene	15.14	128	14146	1.553	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	1104	0.269	ug/l #	32

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

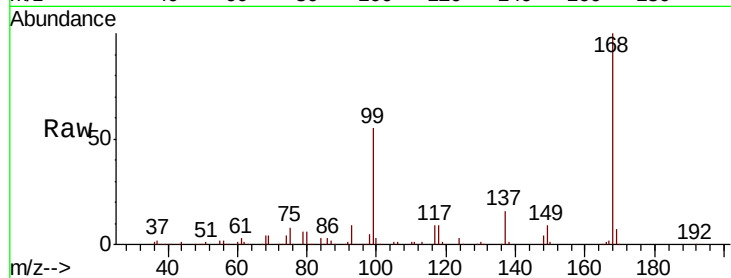
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 507233

Ion Ratio Lower Upper

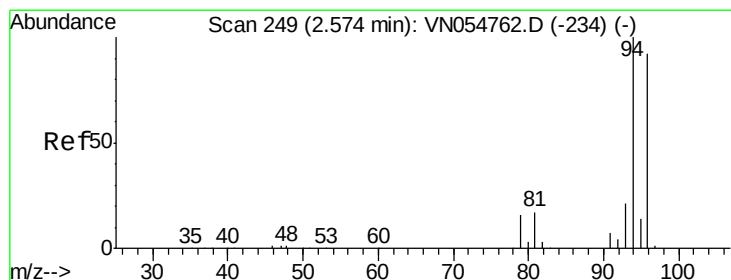
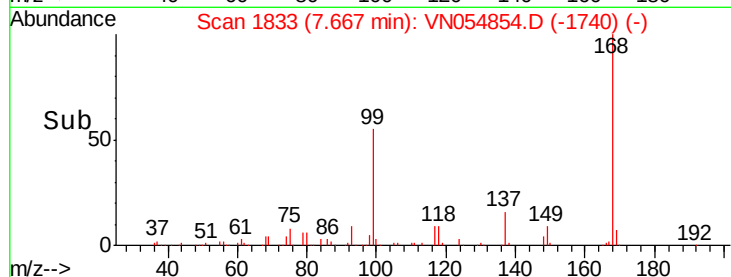
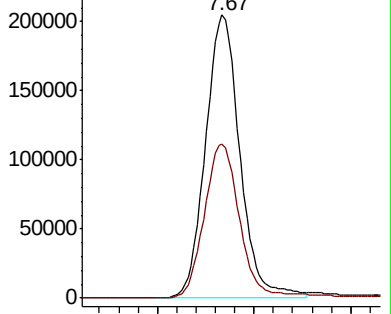
168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN054854.D

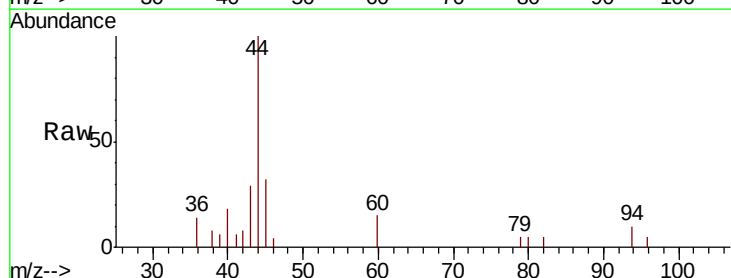
Acq: 31 Mar 2019 16:52

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

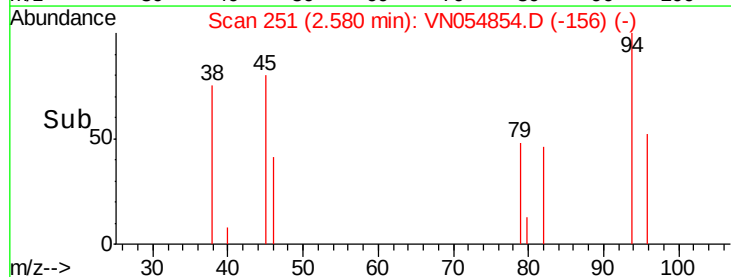
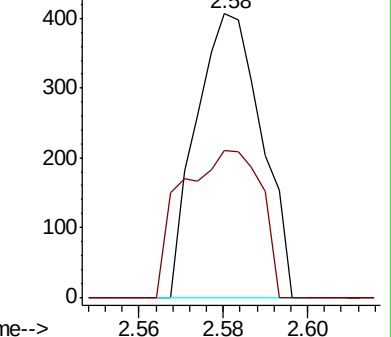
94 100

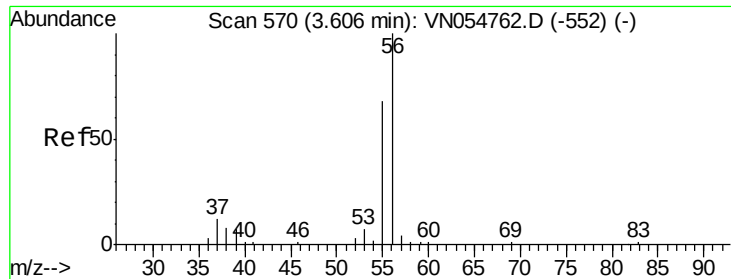
96 51.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

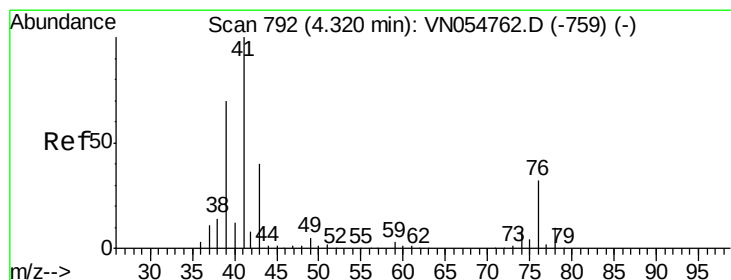
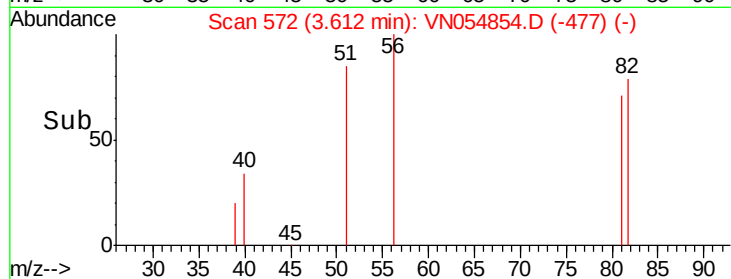
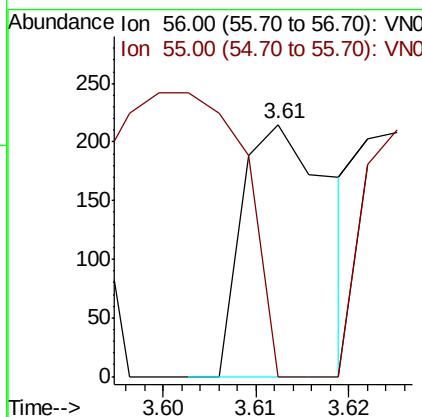
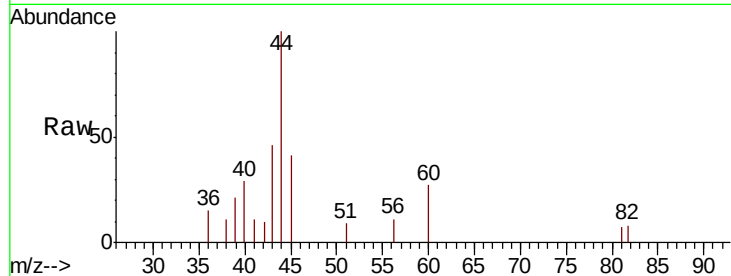




#13
 Acrolein
 Concen: 0.452 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

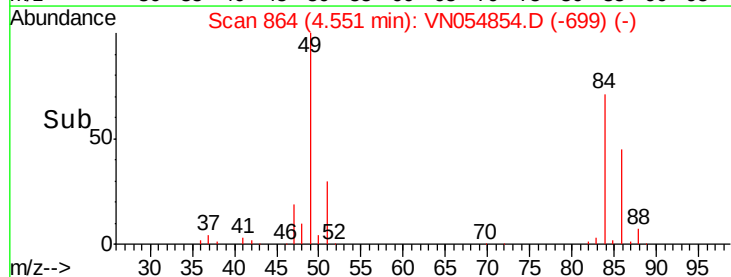
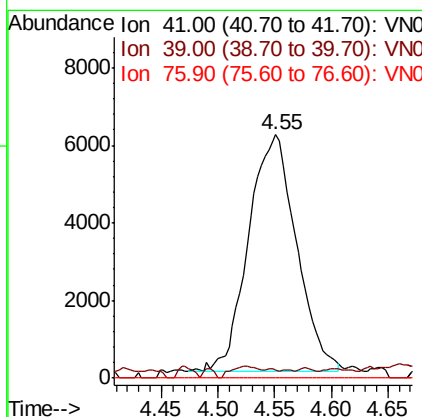
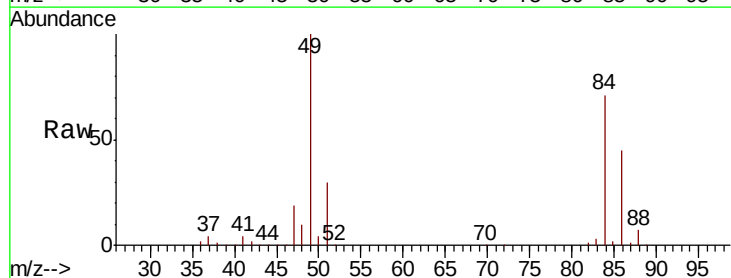
Instrument :
 MSVOA_N
 ClientSampled :

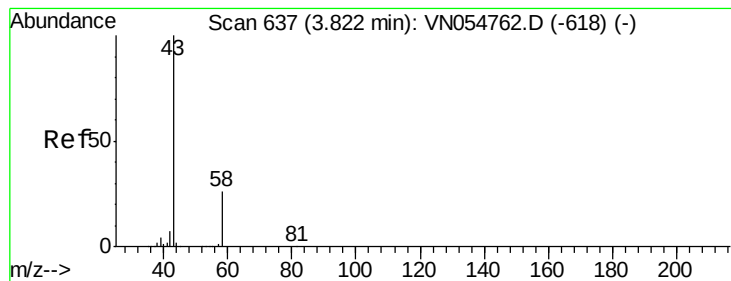
Tot Ion: 56 Resp: 144
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#



#14
 Allyl chloride
 Concen: 1.830 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.23 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion: 41 Resp: 17971
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.2 87.4#
 76 0.0 31.7 47.5#





#16

Acetone

Concen: 5.072 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

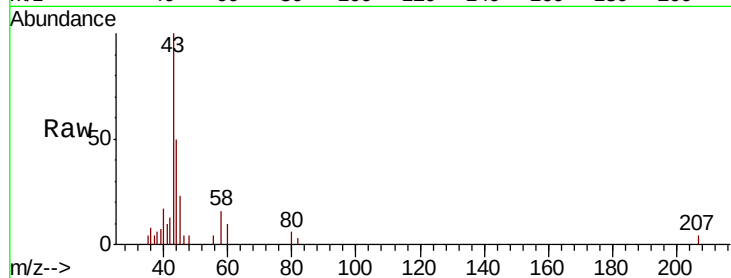
ClientSampleId :

Tot Ion: 43 Resp: 8270

Ion Ratio Lower Upper

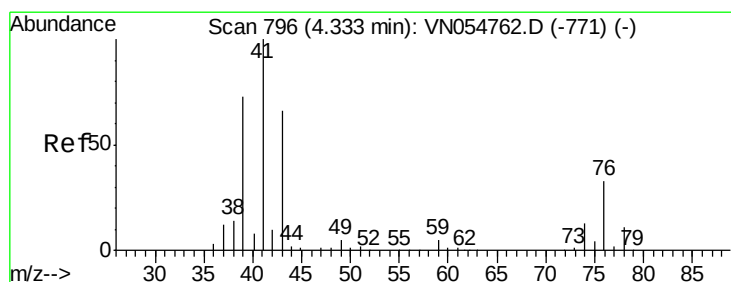
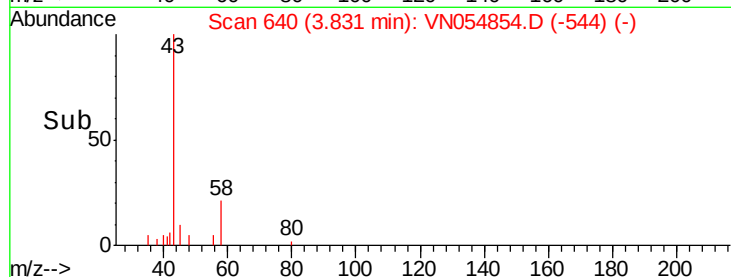
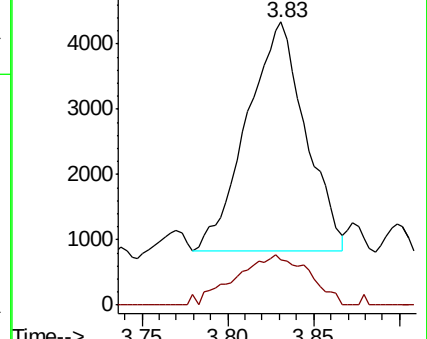
43 100

58 20.1 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054854.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054854.D (-544) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN054854.D

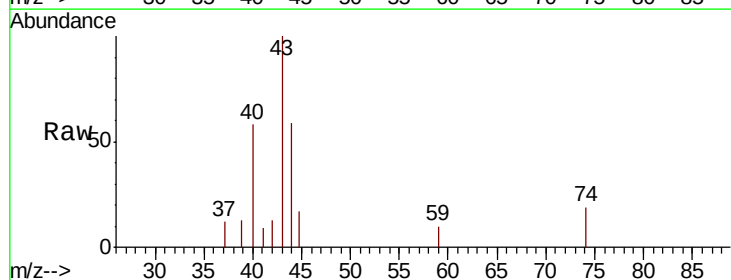
Acq: 31 Mar 2019 16:52

Tgt Ion: 43 Resp: 1945

Ion Ratio Lower Upper

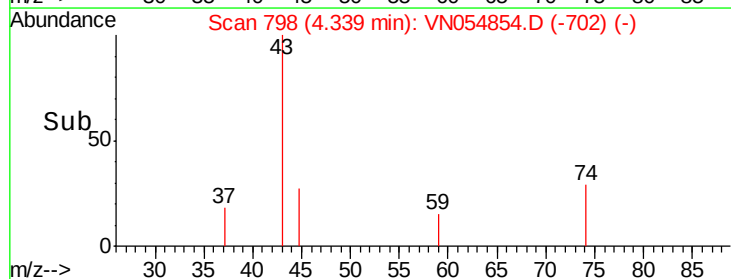
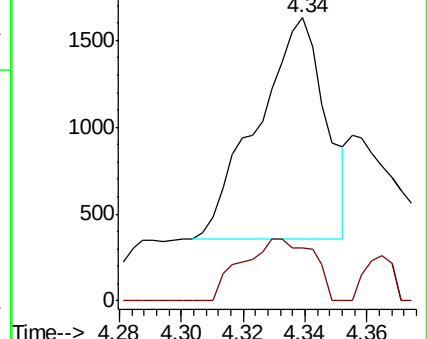
43 100

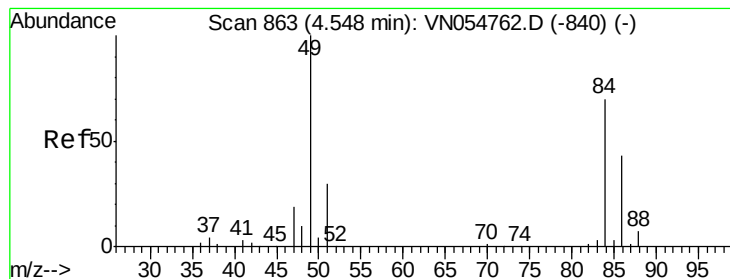
74 29.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054854.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054854.D (-702) (-)





#20

Methvlene Chloride

Concen: 68.448 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 393680

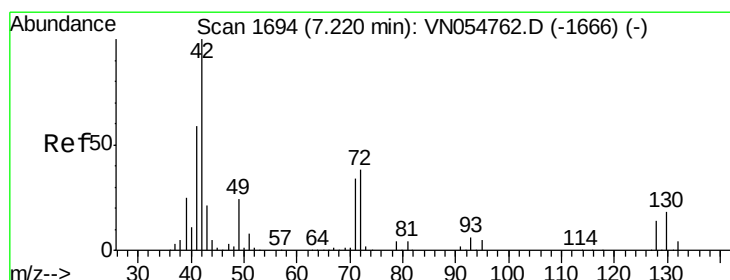
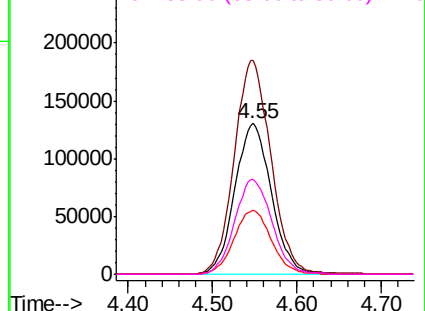
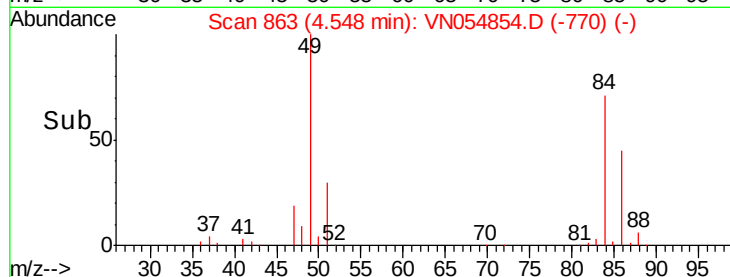
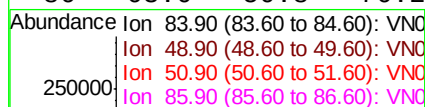
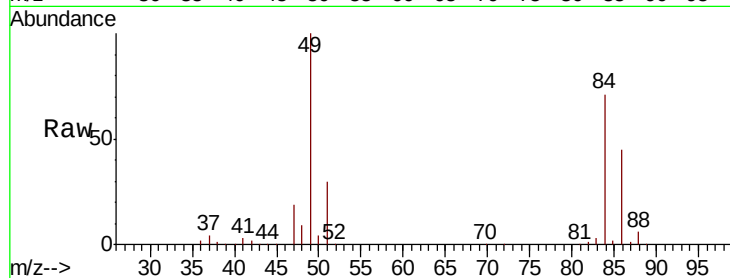
Ion Ratio Lower Upper

84 100

49 141.6 89.7 134.5#

51 42.1 28.2 42.4

86 63.0 50.8 76.2



#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

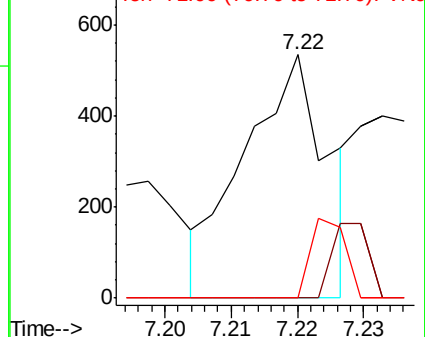
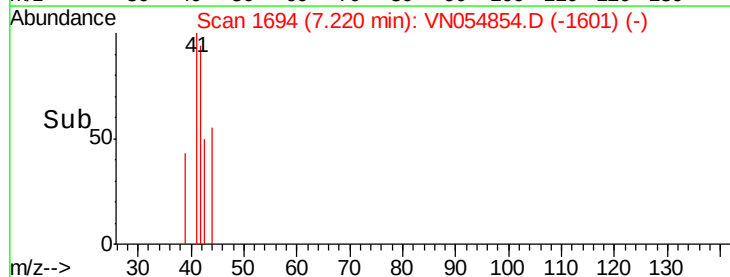
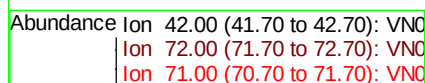
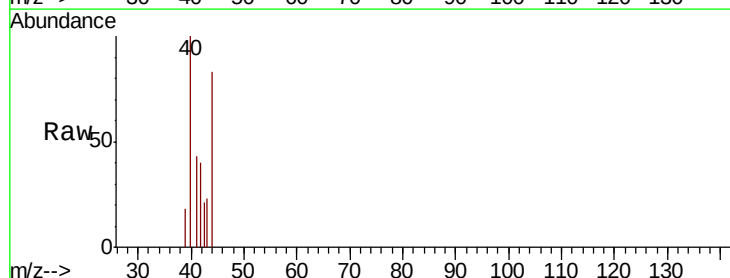
Tgt Ion: 42 Resp: 463

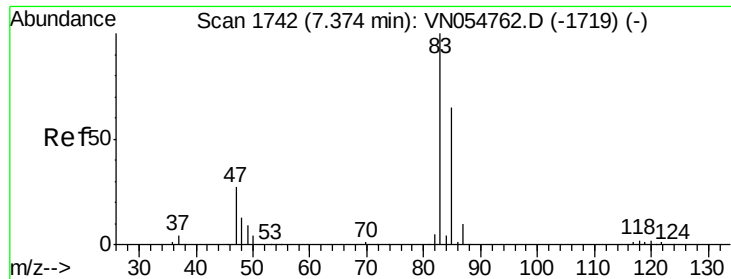
Ion Ratio Lower Upper

42 100

72 13.6 37.8 56.6#

71 13.8 36.2 54.2#

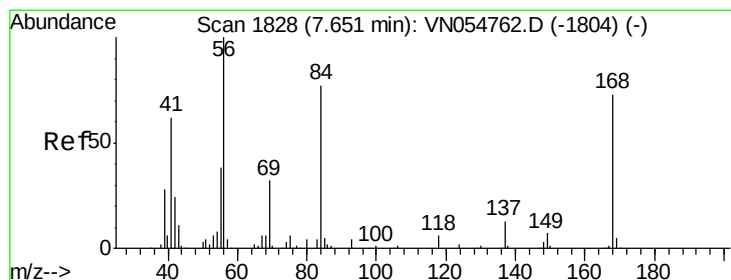
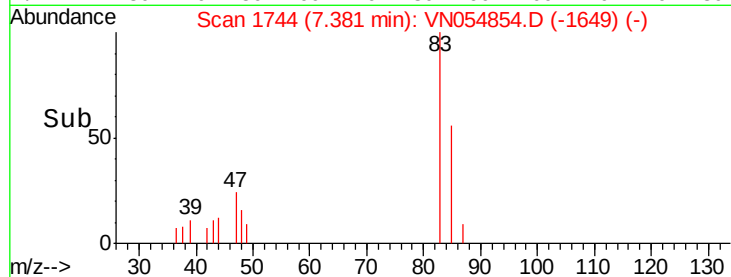
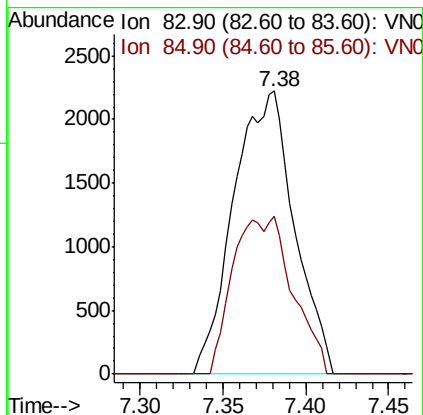
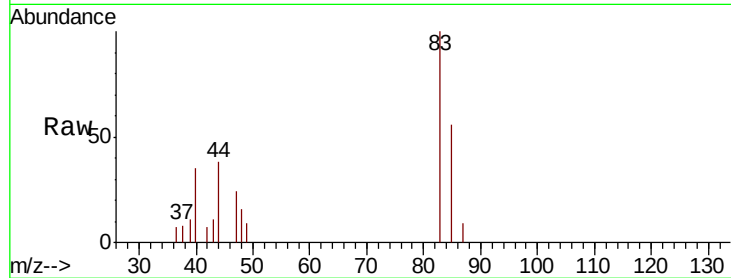




#30
Chloroform
Concen: 0.573 ug/l
RT: 7.38 min Scan# 1744
Delta R.T. 0.01 min
Lab File: VN054854.D
Acq: 31 Mar 2019 16:52

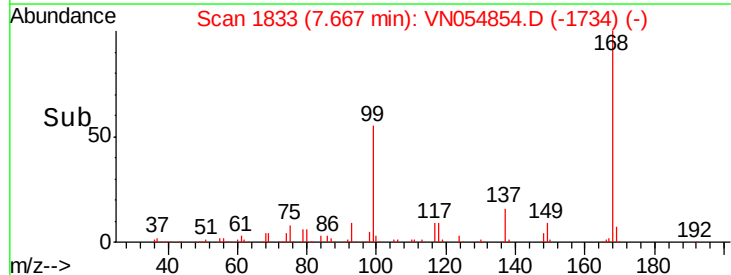
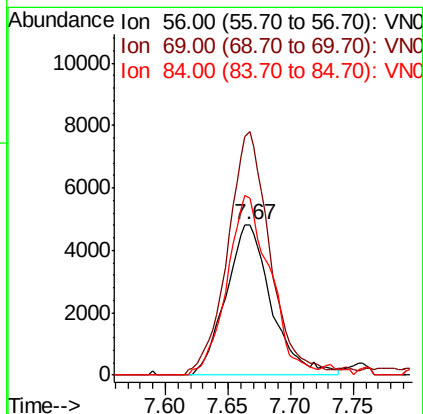
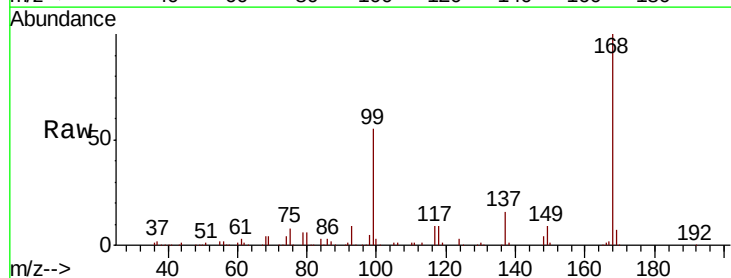
Instrument :
MSVOA_N
ClientSampled :

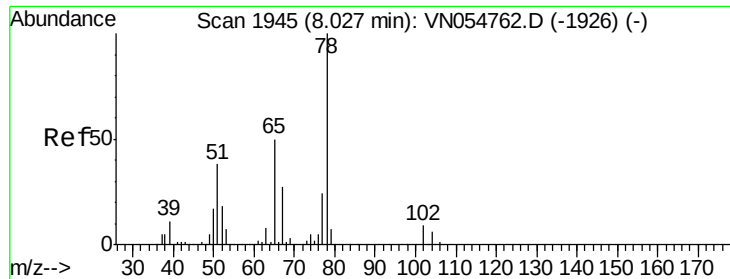
Tot Ion: 83 Resp: 5660
Ion Ratio Lower Upper
83 100
85 55.6 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054854.D
Acq: 31 Mar 2019 16:52

Tgt Ion: 56 Resp: 12097
Ion Ratio Lower Upper
56 100
69 158.2 27.8 41.6#
84 117.9 74.6 111.8#

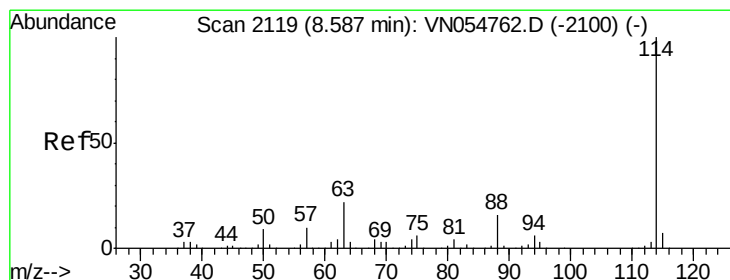
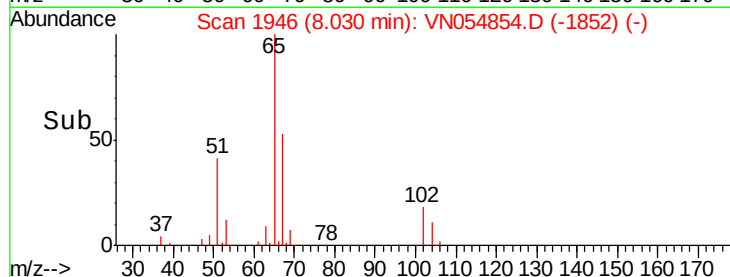
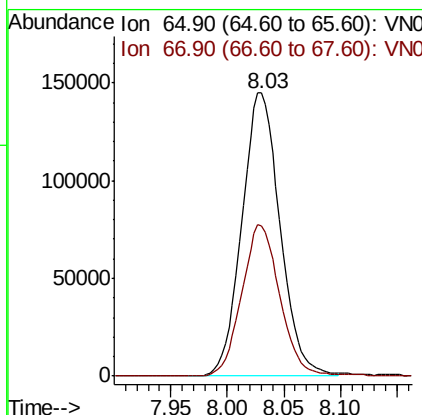
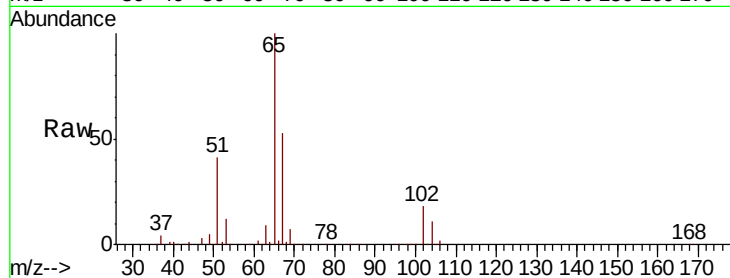




#33
 1,2-Dichloroethane-d4
 Concen: 49.779 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

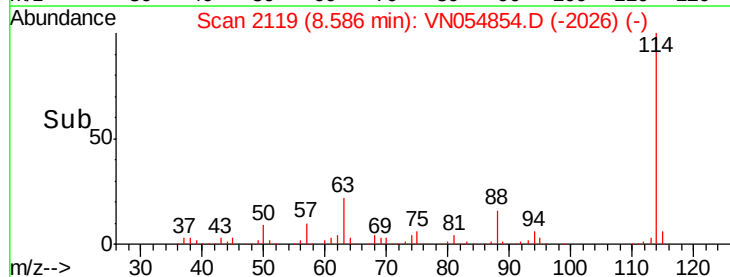
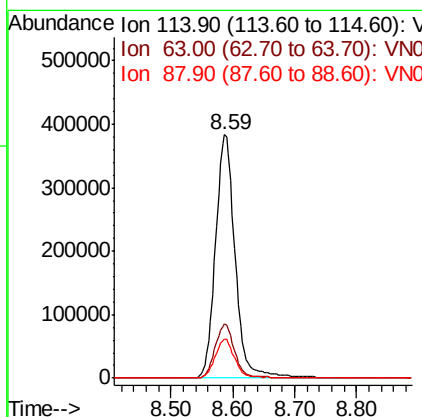
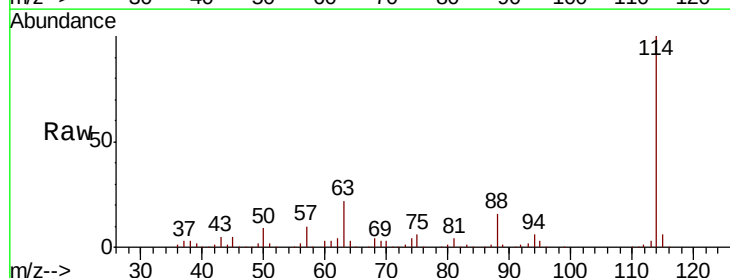
Instrument :
 MSVOA_N
 ClientSampleId :

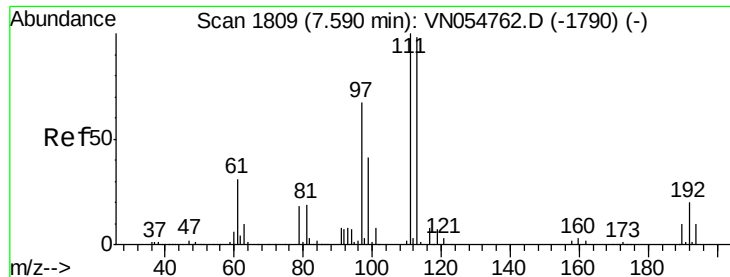
Tot Ion: 65 Resp: 340368
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion: 114 Resp: 847336
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.0 0.0 30.2

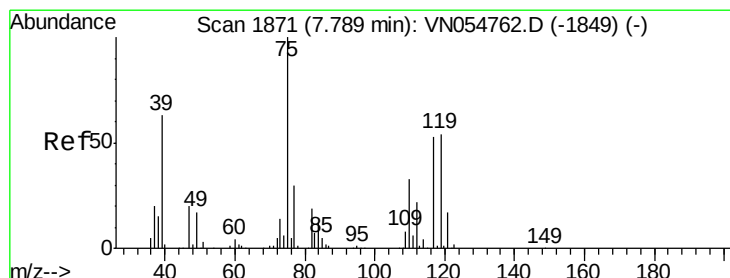
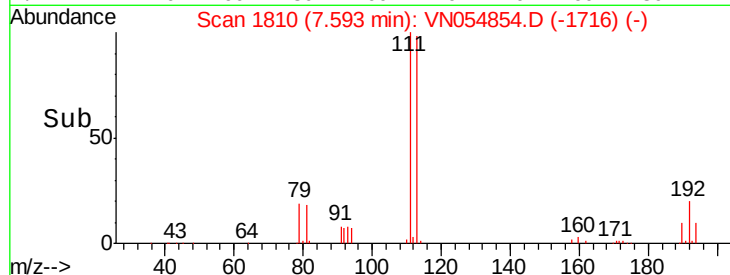
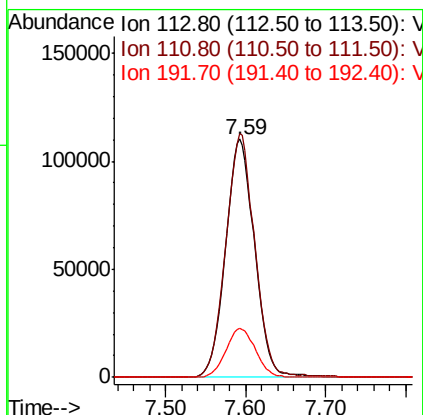
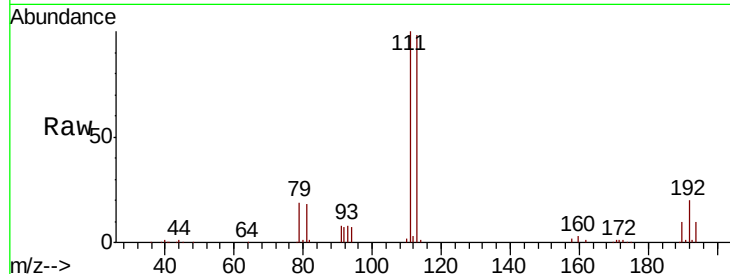




#35
 Dibromofluoromethane
 Concen: 48.235 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

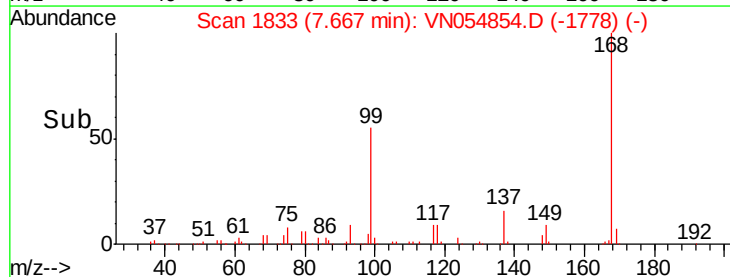
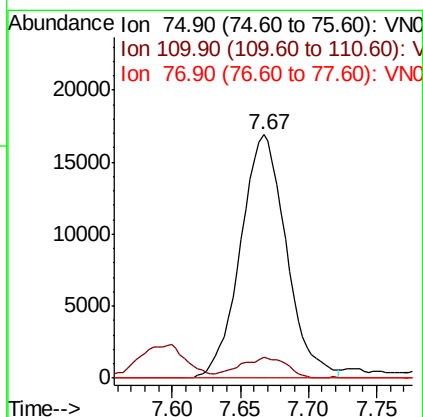
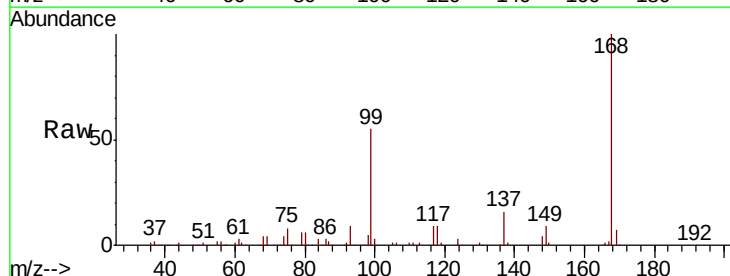
Instrument :
 MSVOA_N
 ClientSampled :

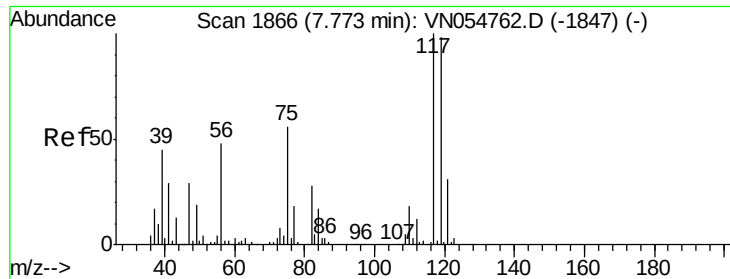
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	21.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

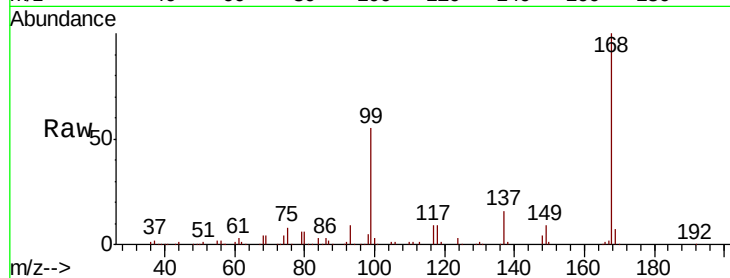
Tot Ion:117 Resp: 47283

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

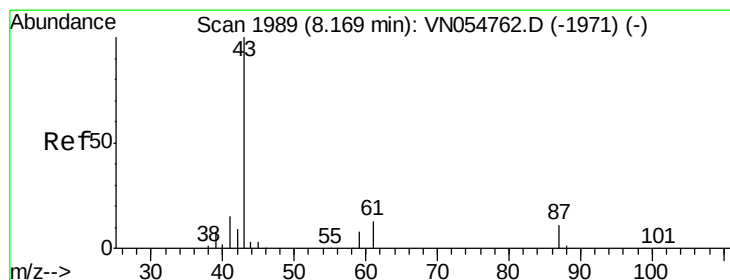
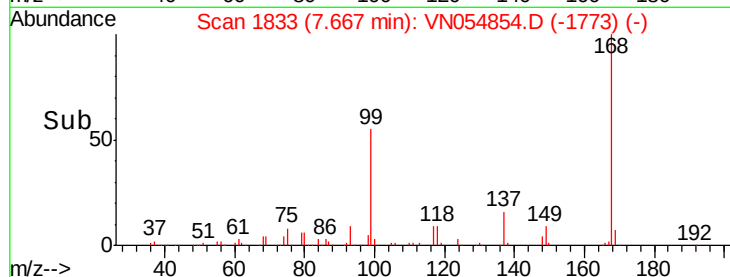
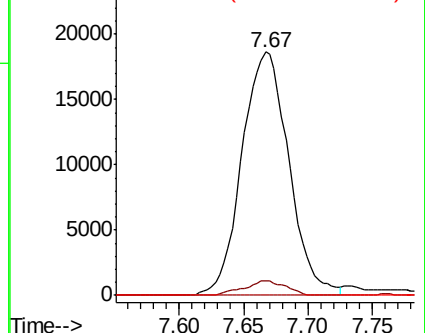
121 0.0 24.6 36.8#



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: 1.714 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

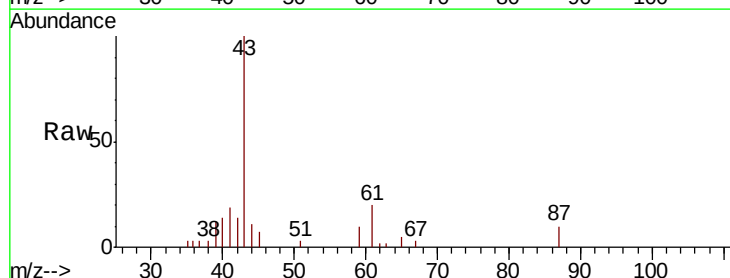
Tgt Ion: 43 Resp: 16123

Ion Ratio Lower Upper

43 100

61 17.7 15.8 23.8

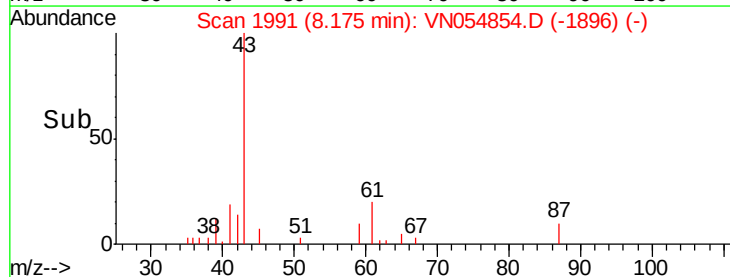
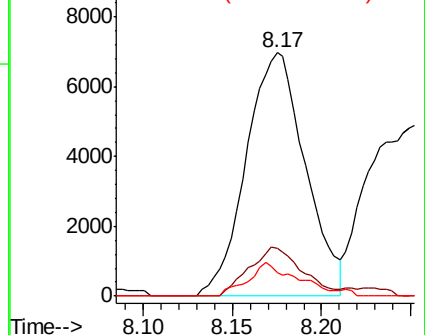
87 11.2 12.0 18.0#

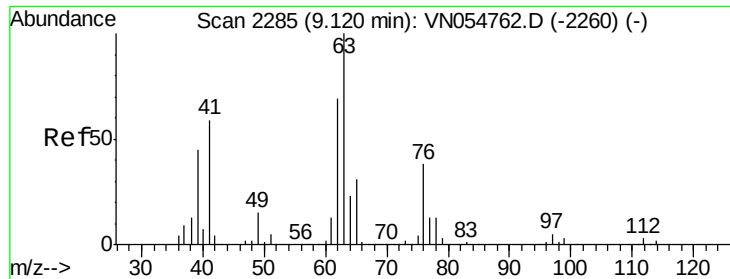


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

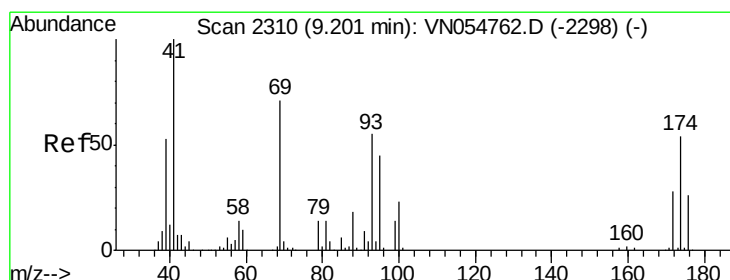
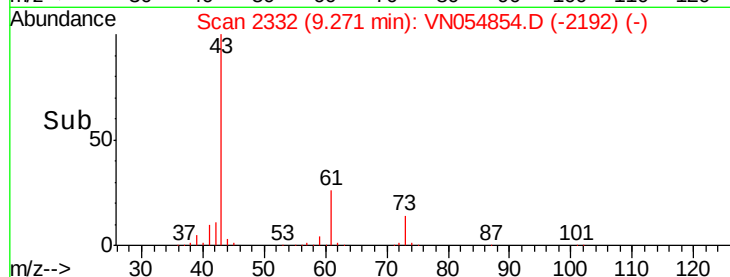
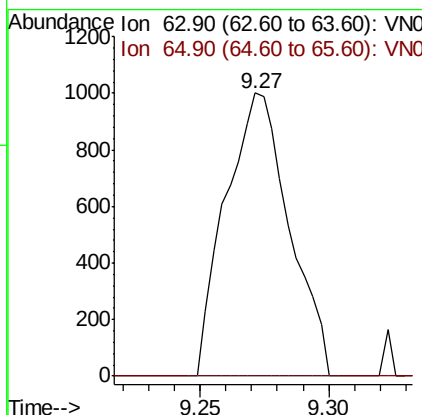
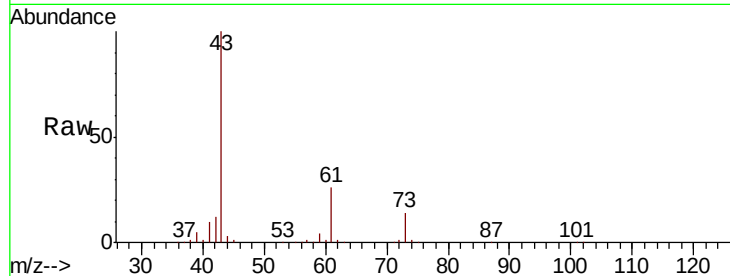




#45
 1,2-Dichloropropane
 Concen: 0.268 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

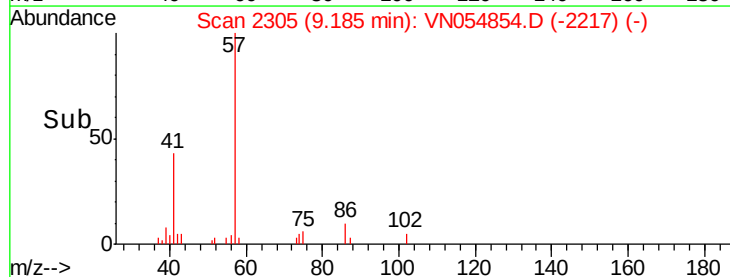
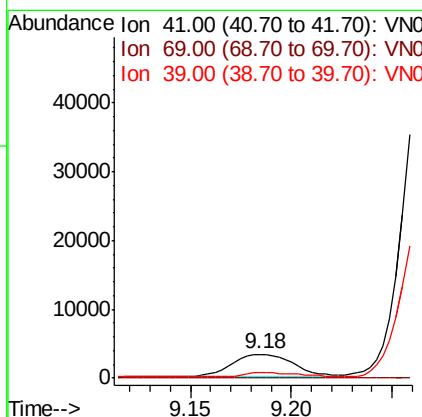
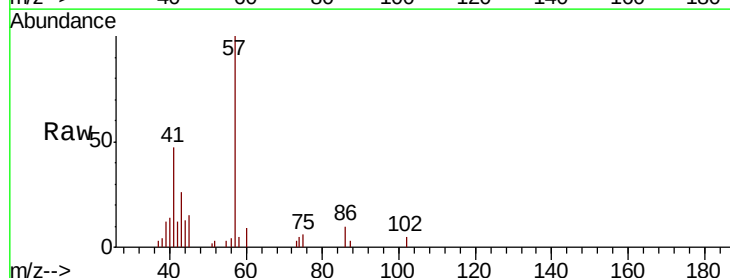
Instrument :
 MSVOA_N
 ClientSampled :

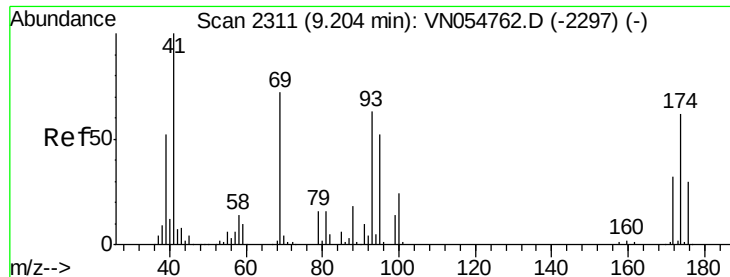
Tot Ion: 63 Resp: 1726
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.339 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.02 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion: 41 Resp: 6830
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 108.8#
 39 0.0 47.5 71.3#





#49

1,4-Dioxane

Concen: 1.205 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

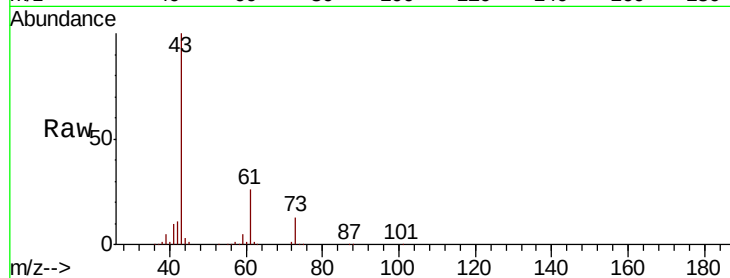
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

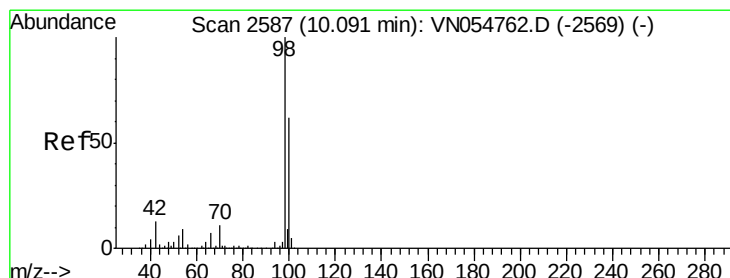
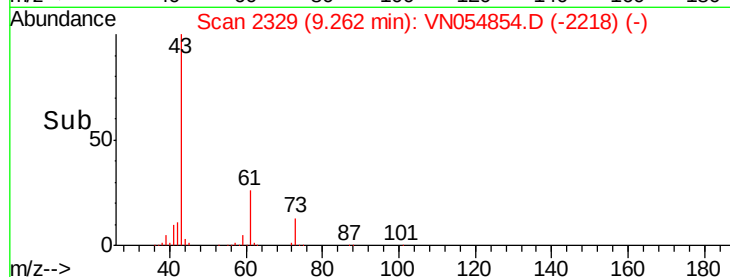
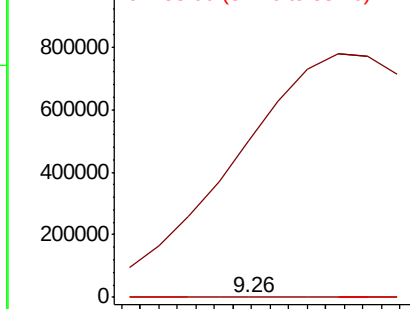
88 100

43 2472186.9 24.1 36.1#

58 10600.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC



#50

Toluene-d8

Concen: 47.934 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054854.D

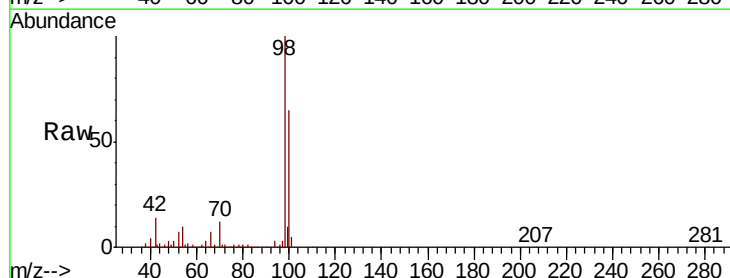
Acq: 31 Mar 2019 16:52

Tgt Ion: 98 Resp: 1006710

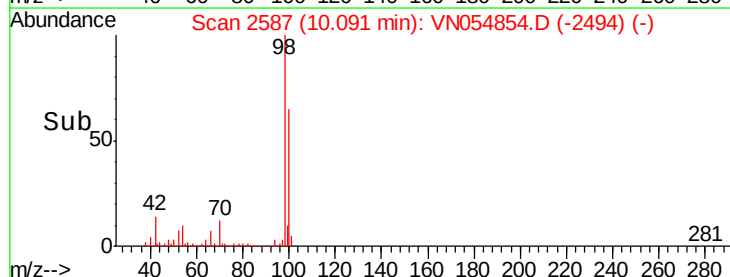
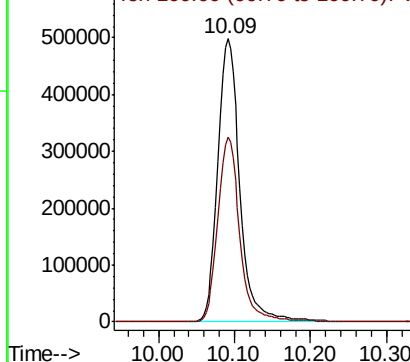
Ion Ratio Lower Upper

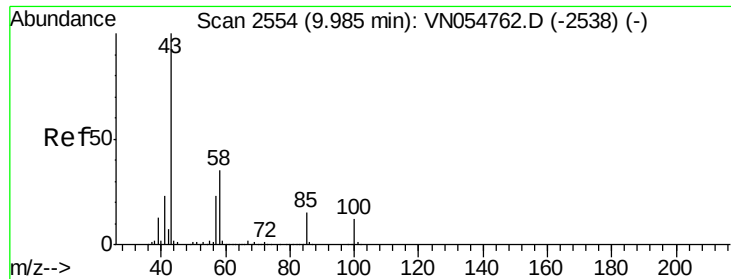
98 100

100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 1.794 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

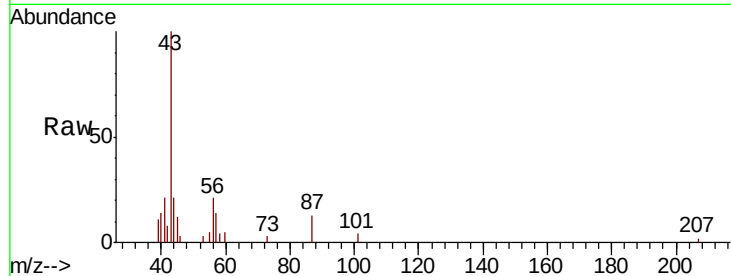
ClientSampled :

Tot Ion: 43 Resp: 9487

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.03

6000

4000

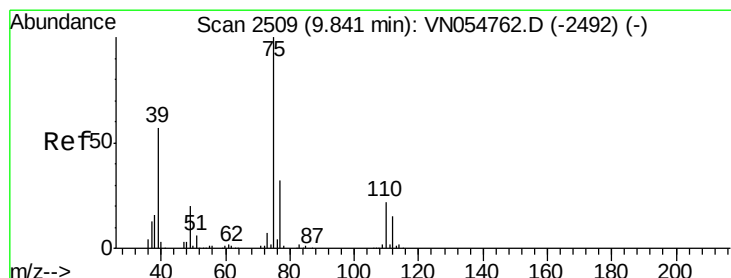
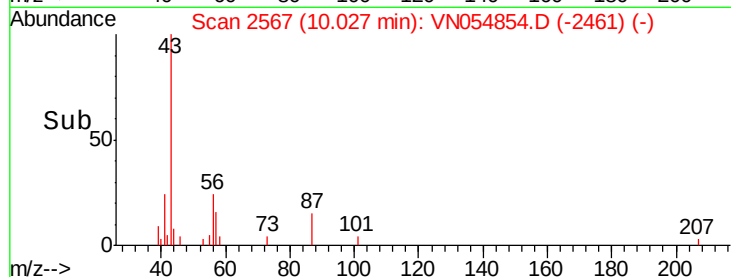
2000

0

Time-->

10.00

10.05



#54

cis-1,3-Dichloropropene

Concen: 6.587 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

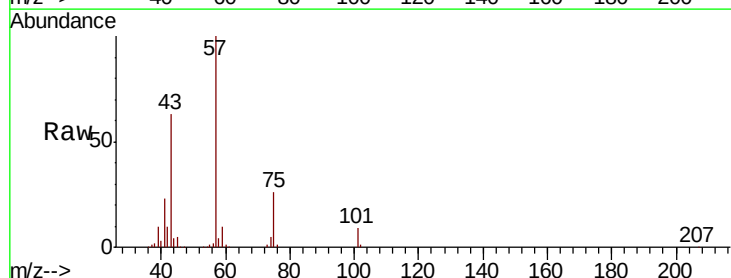
Tgt Ion: 75 Resp: 55748

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 38.1 37.2 55.8



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

9.91

40000

30000

20000

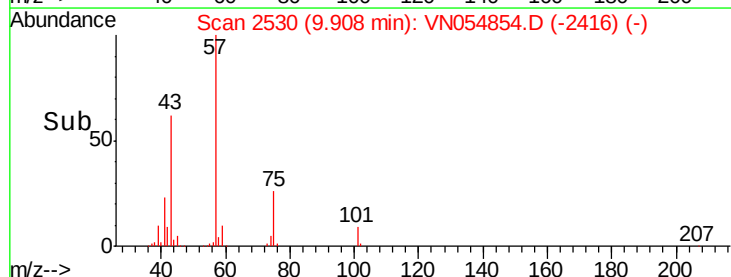
10000

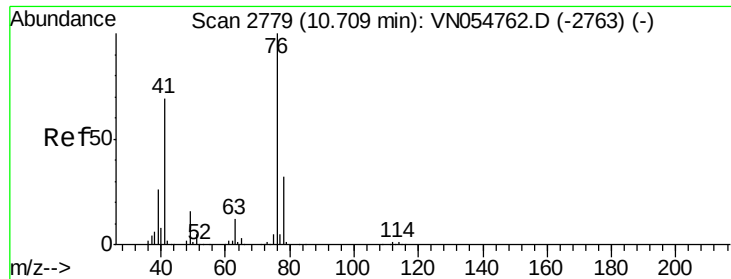
0

Time-->

9.90

10.00

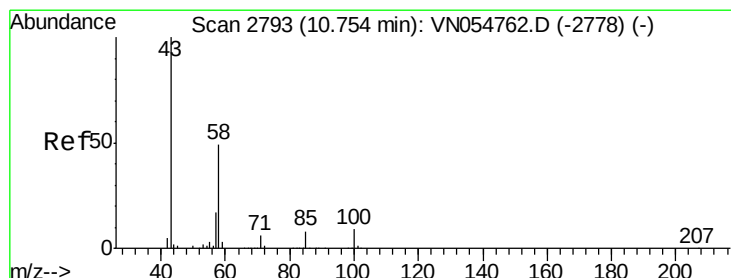
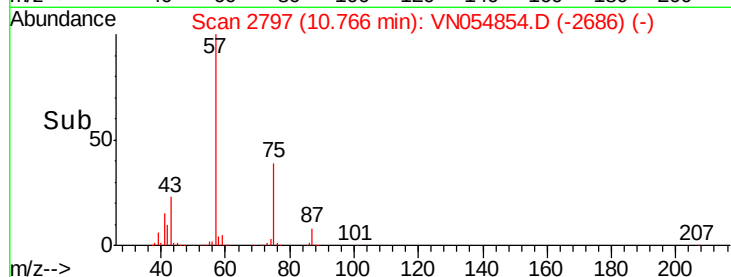
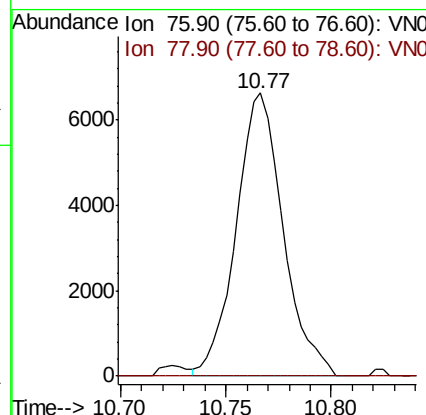
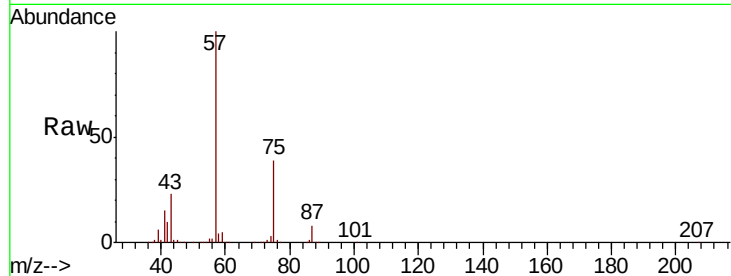




#57
 1,3-Dichloropropane
 Concen: 1.194 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

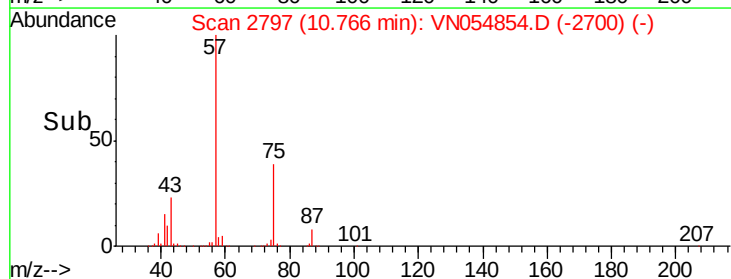
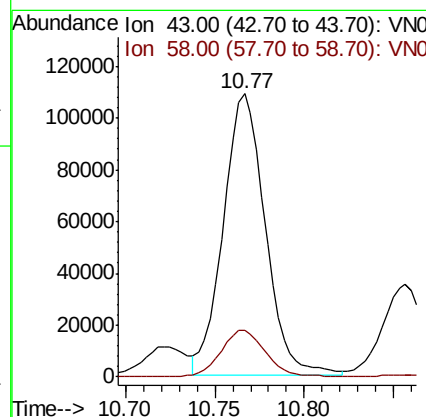
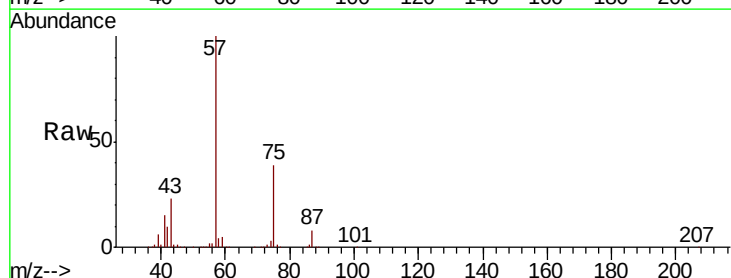
Instrument :
 MSVOA_N
 ClientSampleId :

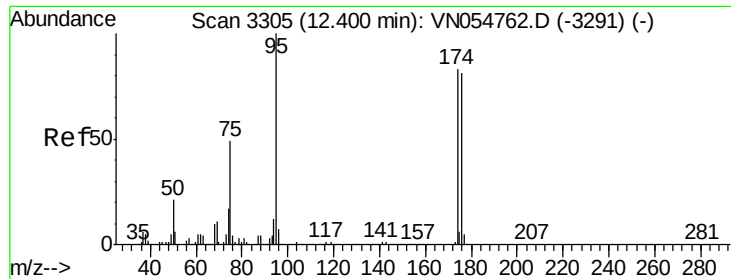
Tot Ion: 76 Resp: 10265
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 52.492 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion: 43 Resp: 177740
 Ion Ratio Lower Upper
 43 100
 58 17.8 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 44.314 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

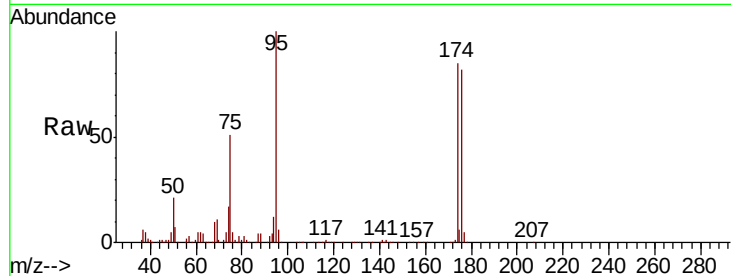
Tot Ion: 95 Resp: 309523

Ion Ratio Lower Upper

95 100

174 84.3 0.0 191.0

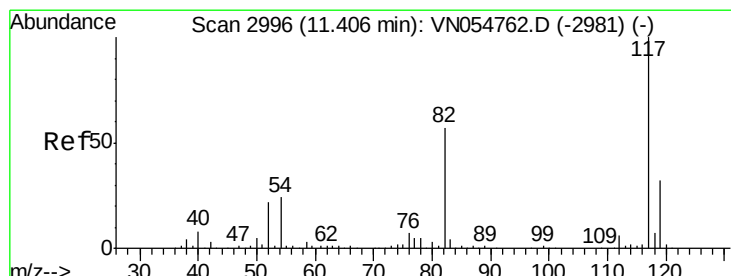
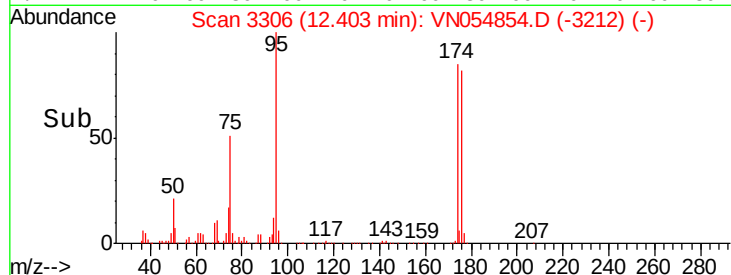
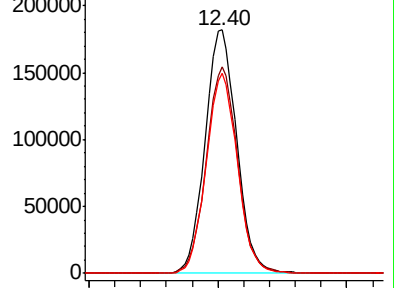
176 81.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

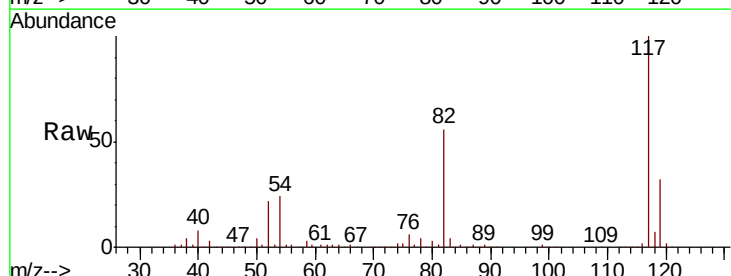
Tgt Ion: 117 Resp: 718984

Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

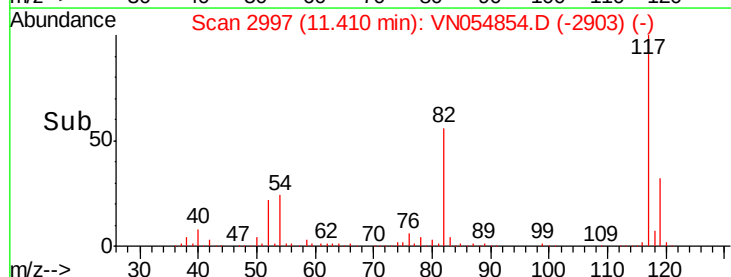
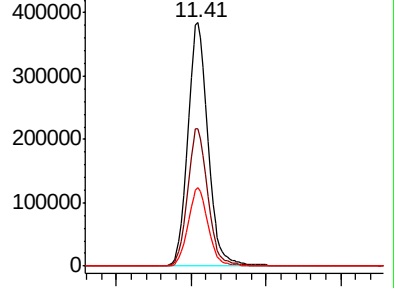
119 32.3 25.8 38.6

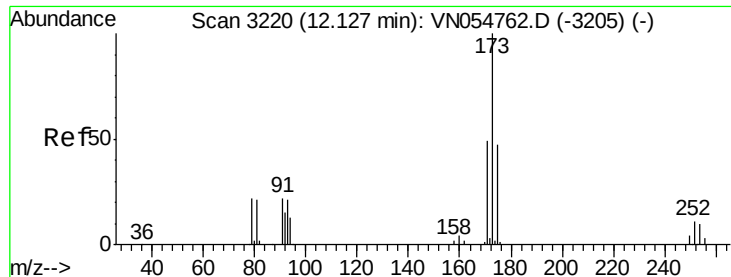


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)





#71

Bromoform

Concen: 0.638 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

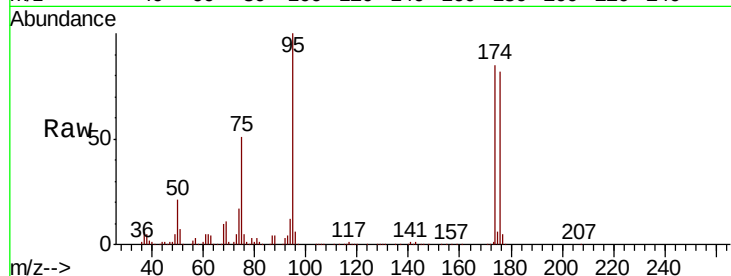
Tot Ion:173 Resp: 1968

Ion Ratio Lower Upper

173 100

175 869.9 24.4 73.2#

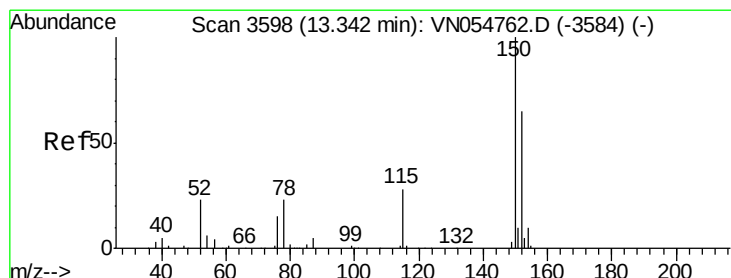
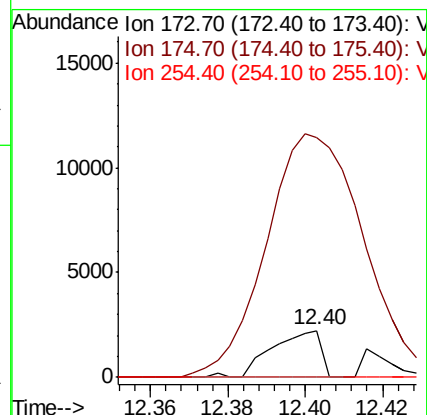
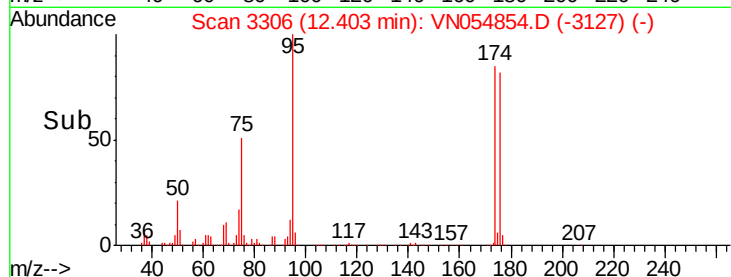
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

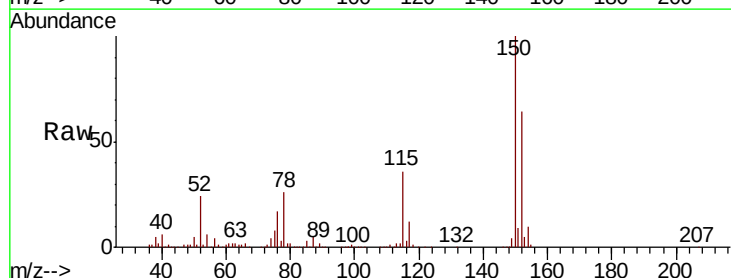
Tgt Ion:152 Resp: 252701

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

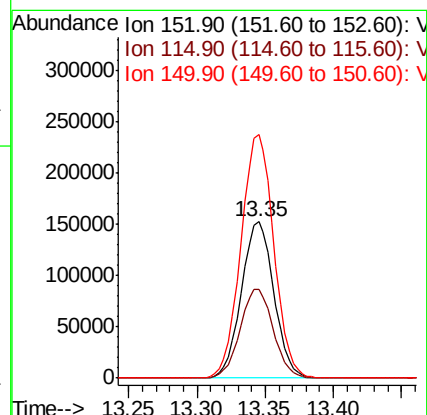
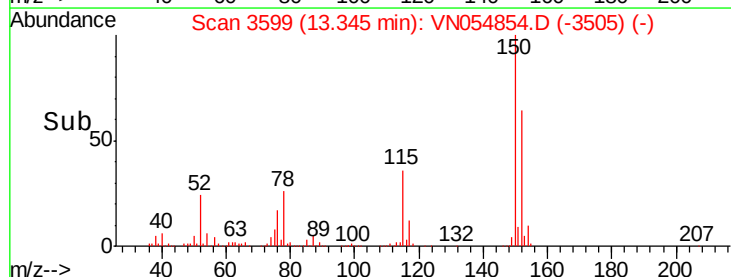
150 157.6 0.0 349.2

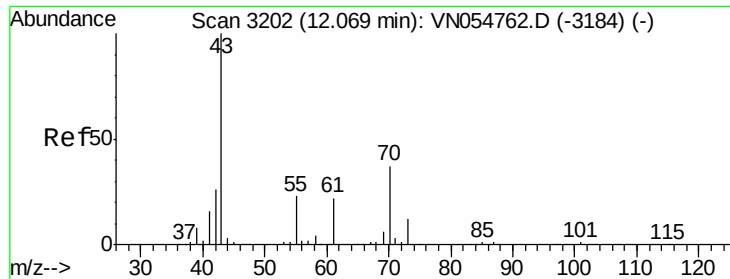


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.496 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3189

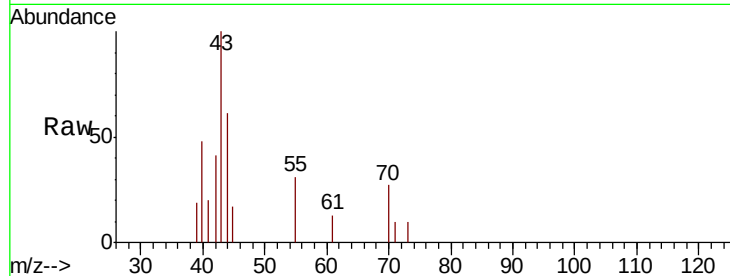
Ion Ratio Lower Upper

43 100

70 16.1 35.4 53.0#

55 16.9 19.8 29.6#

61 4.0 19.8 29.6#

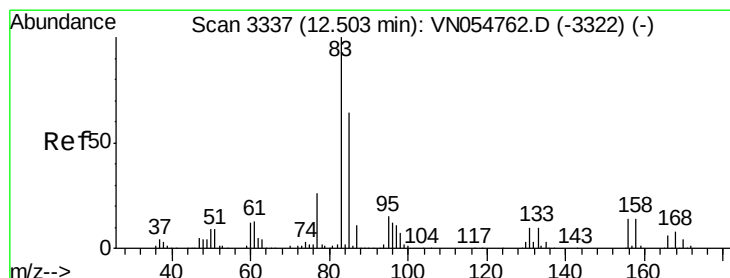
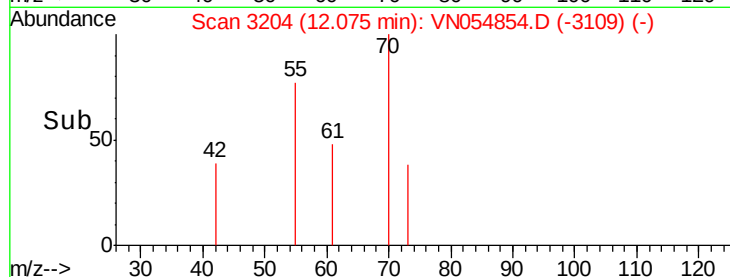
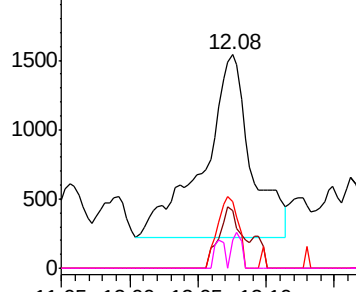


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

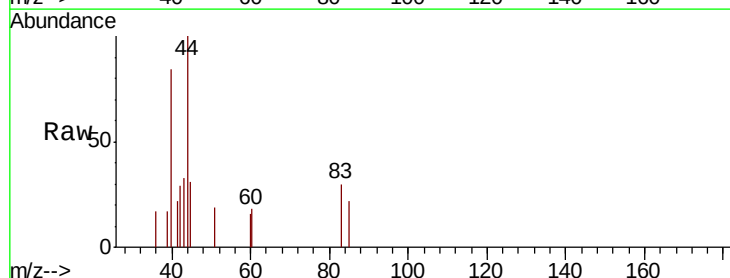
Tgt Ion: 83 Resp: 287

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

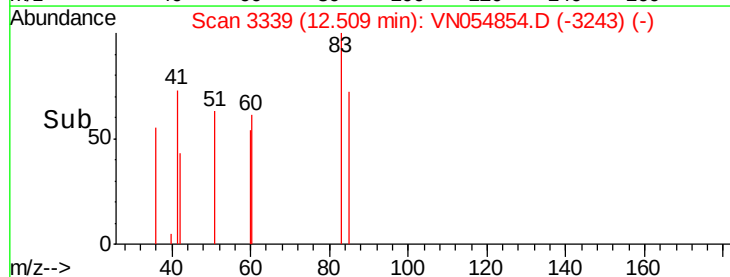
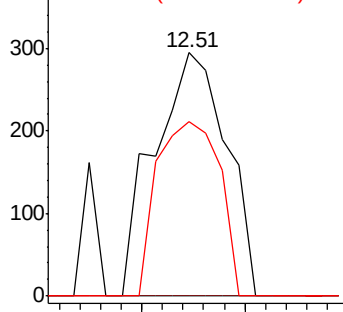
85 61.7 32.2 96.6

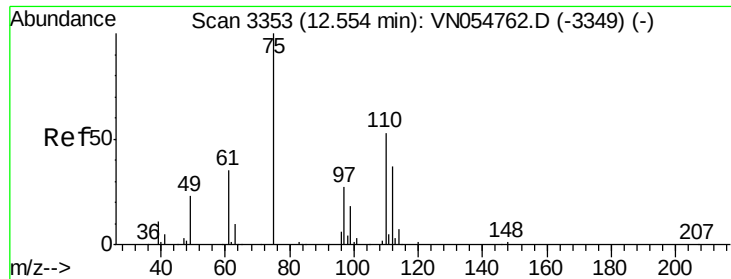


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 36.691 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

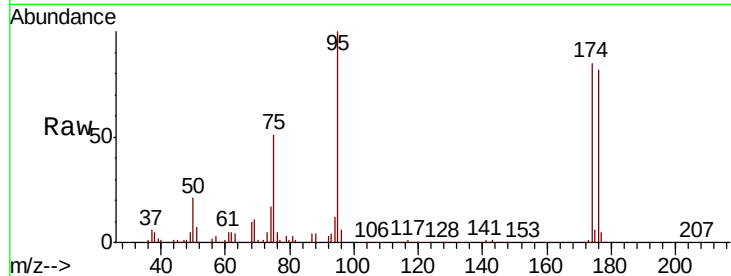
ClientSampleId :

Tot Ion: 75 Resp: 161073

Ion Ratio Lower Upper

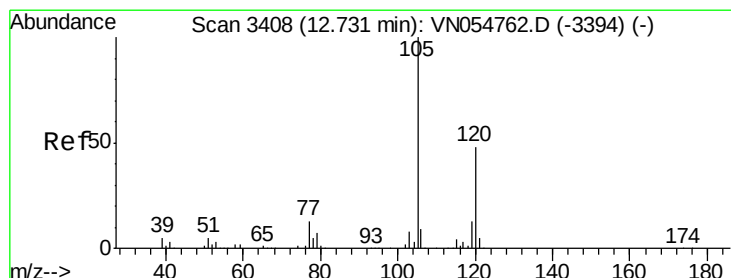
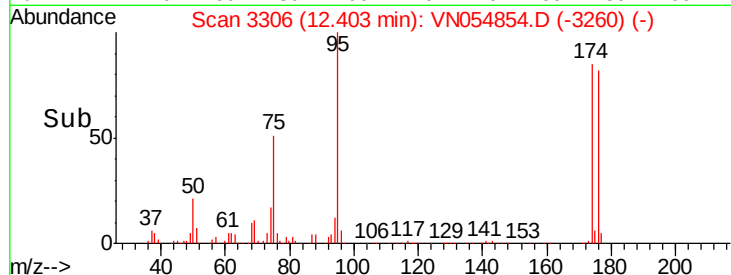
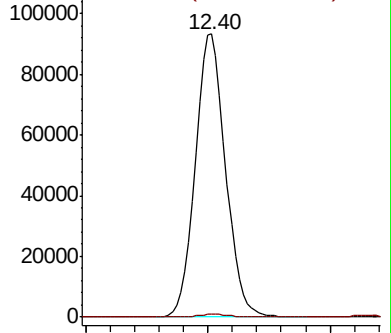
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054854.D

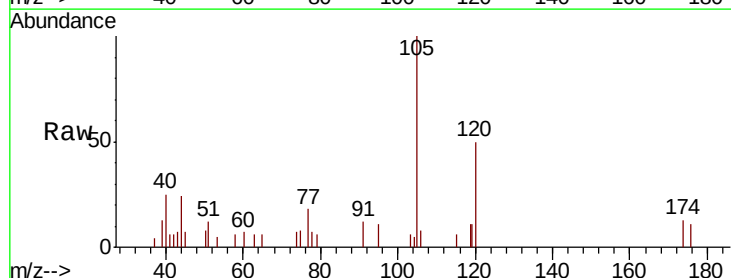
Acq: 31 Mar 2019 16:52

Tgt Ion: 105 Resp: 6151

Ion Ratio Lower Upper

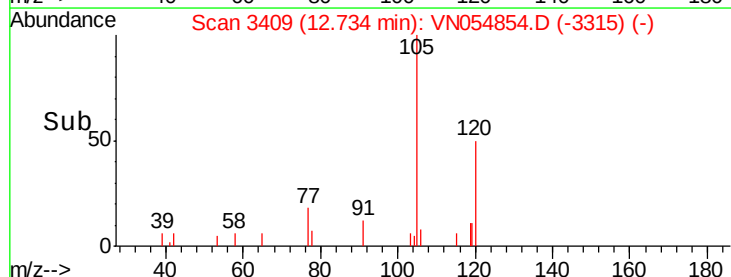
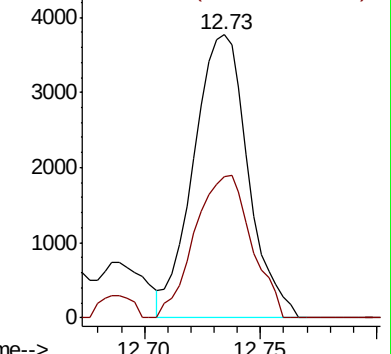
105 100

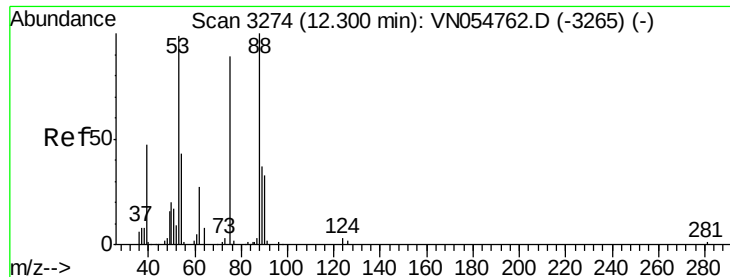
120 52.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

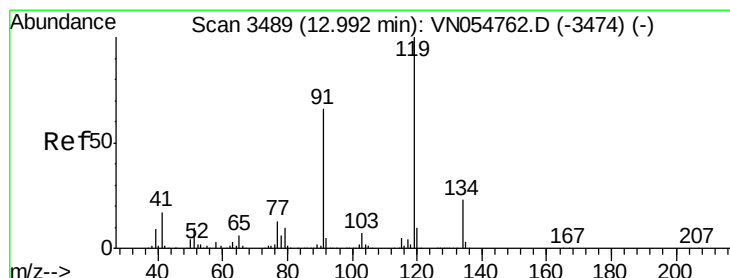
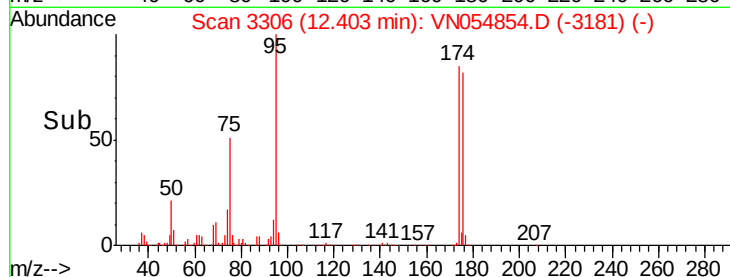
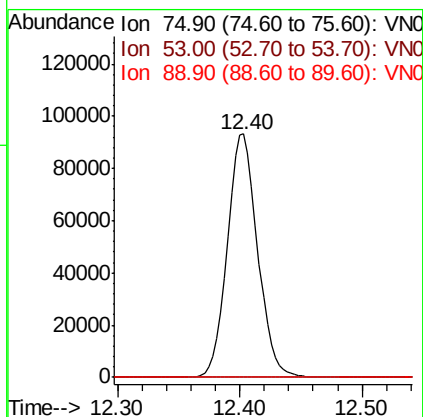
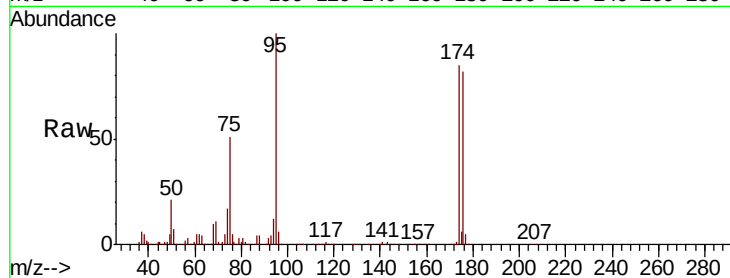




#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.718 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

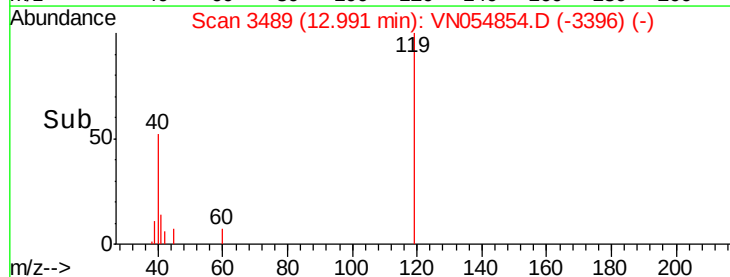
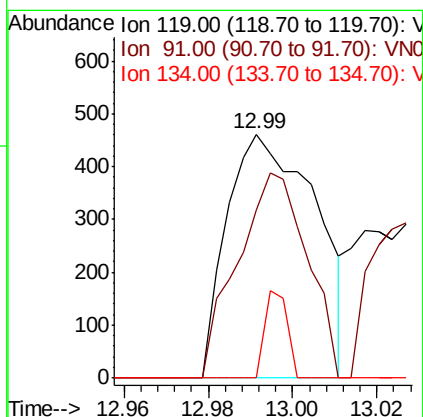
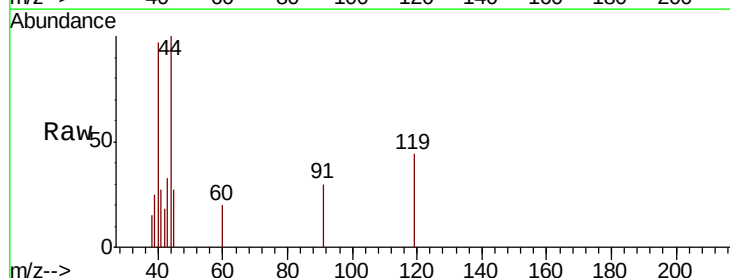
Instrument :
 MSVOA_N
 ClientSampled :

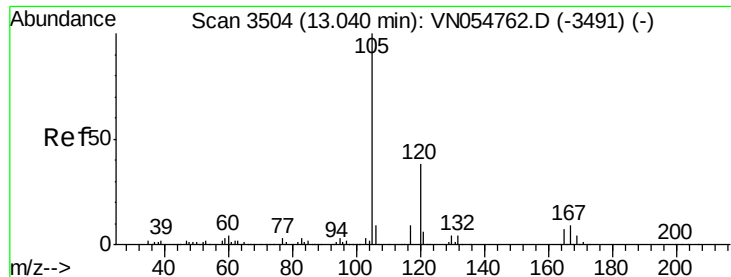
Tot Ion: 75 Resp: 161073
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Tgt Ion: 119 Resp: 677
 Ion Ratio Lower Upper
 119 100
 91 65.7 30.9 92.8
 134 9.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 0.398 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

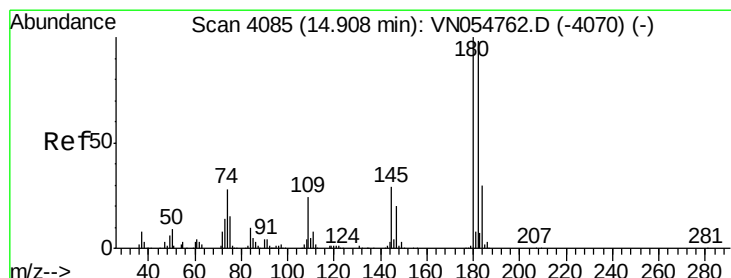
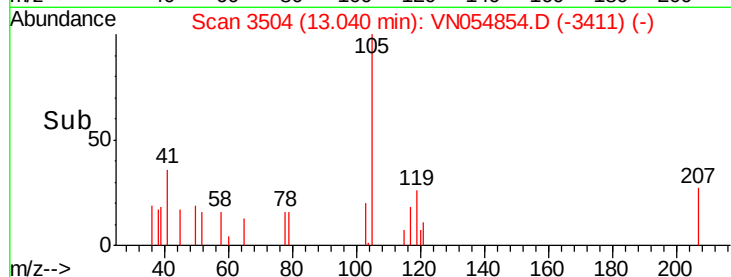
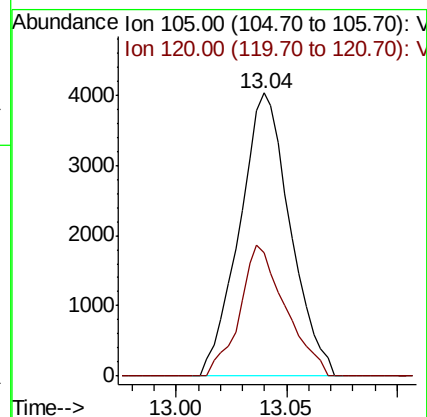
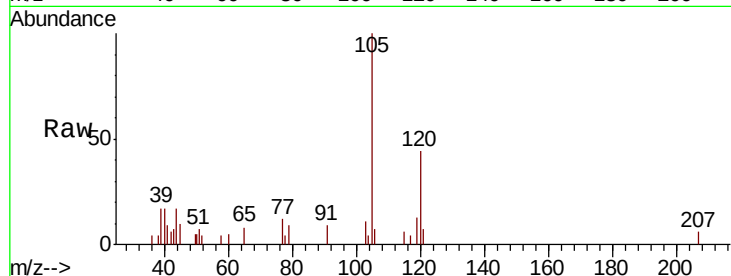
ClientSampled :

Tot Ion:105 Resp: 6422

Ion Ratio Lower Upper

105 100

120 41.7 23.4 70.3



#93

1,2,4-Trichlorobenzene

Concen: 0.393 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

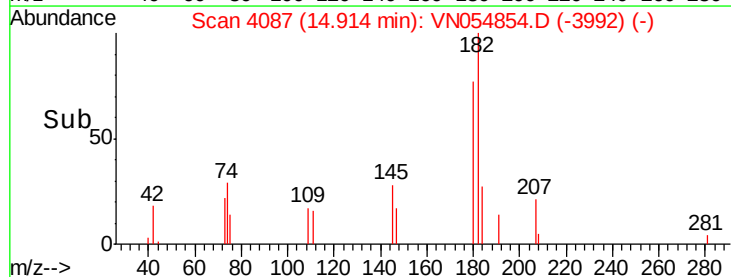
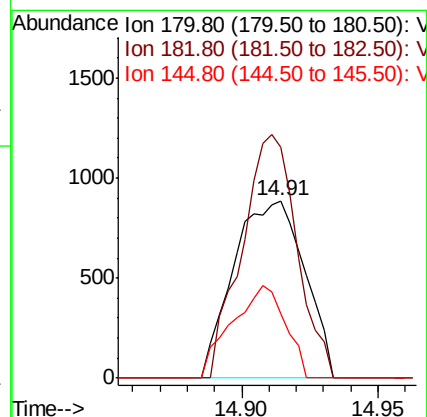
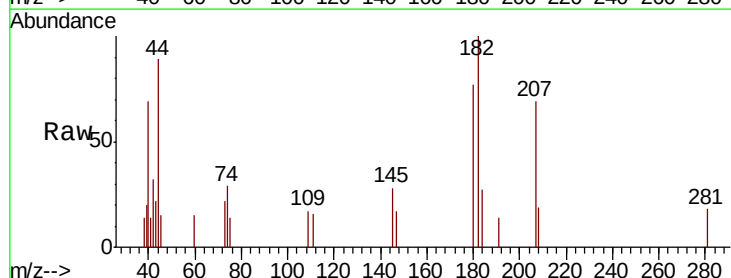
Tgt Ion:180 Resp: 1597

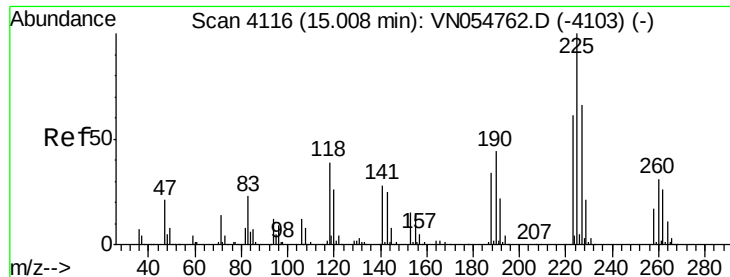
Ion Ratio Lower Upper

180 100

182 106.1 48.0 144.2

145 39.1 14.2 42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

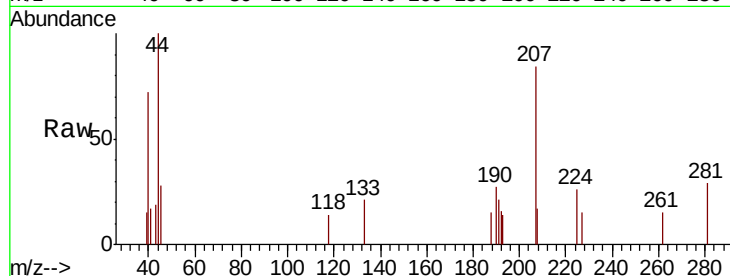
Tot Ion:225 Resp: 448

Ion Ratio Lower Upper

225 100

223 48.7 31.1 93.5

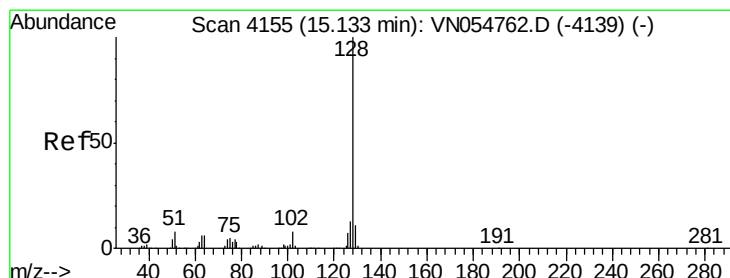
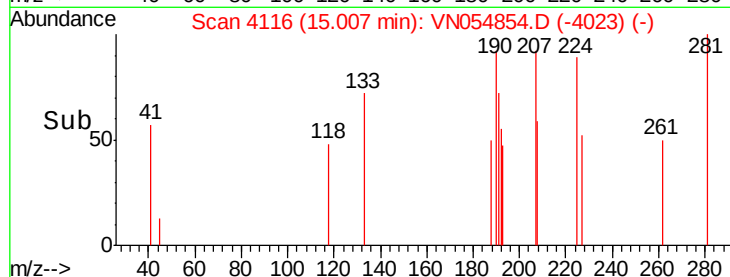
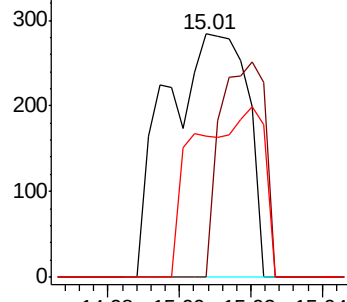
227 59.2 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.553 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054854.D

Acq: 31 Mar 2019 16:52

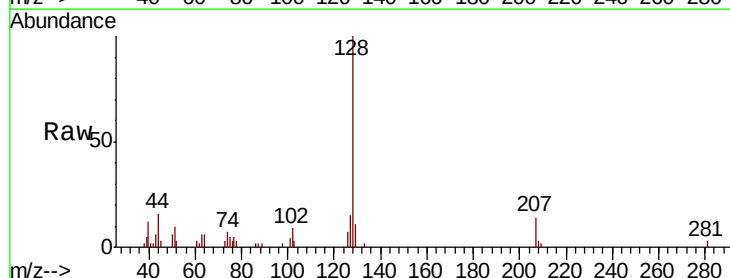
Tgt Ion:128 Resp: 14146

Ion Ratio Lower Upper

128 100

127 14.2 10.1 15.1

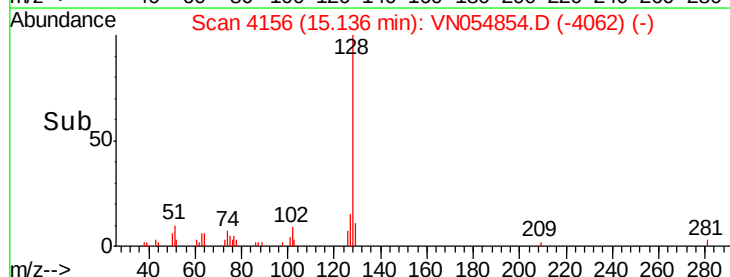
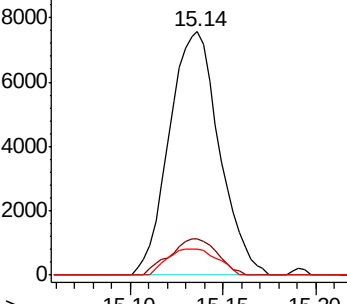
129 10.6 8.7 13.1

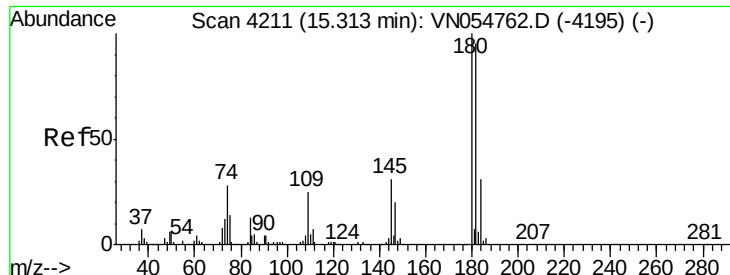


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.269 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054854.D
 Acq: 31 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	175.5	47.5	142.6#
145	41.0	14.8	44.3

