

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054127.D
 Acq On : 6 Mar 2019 19:59
 Operator : JC/SP
 Sample : K1755-28
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-4

Quant Time: Mar 07 07:28:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	615839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1066765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	396436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	376159	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.59	113	351798	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	1376510	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	474336	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

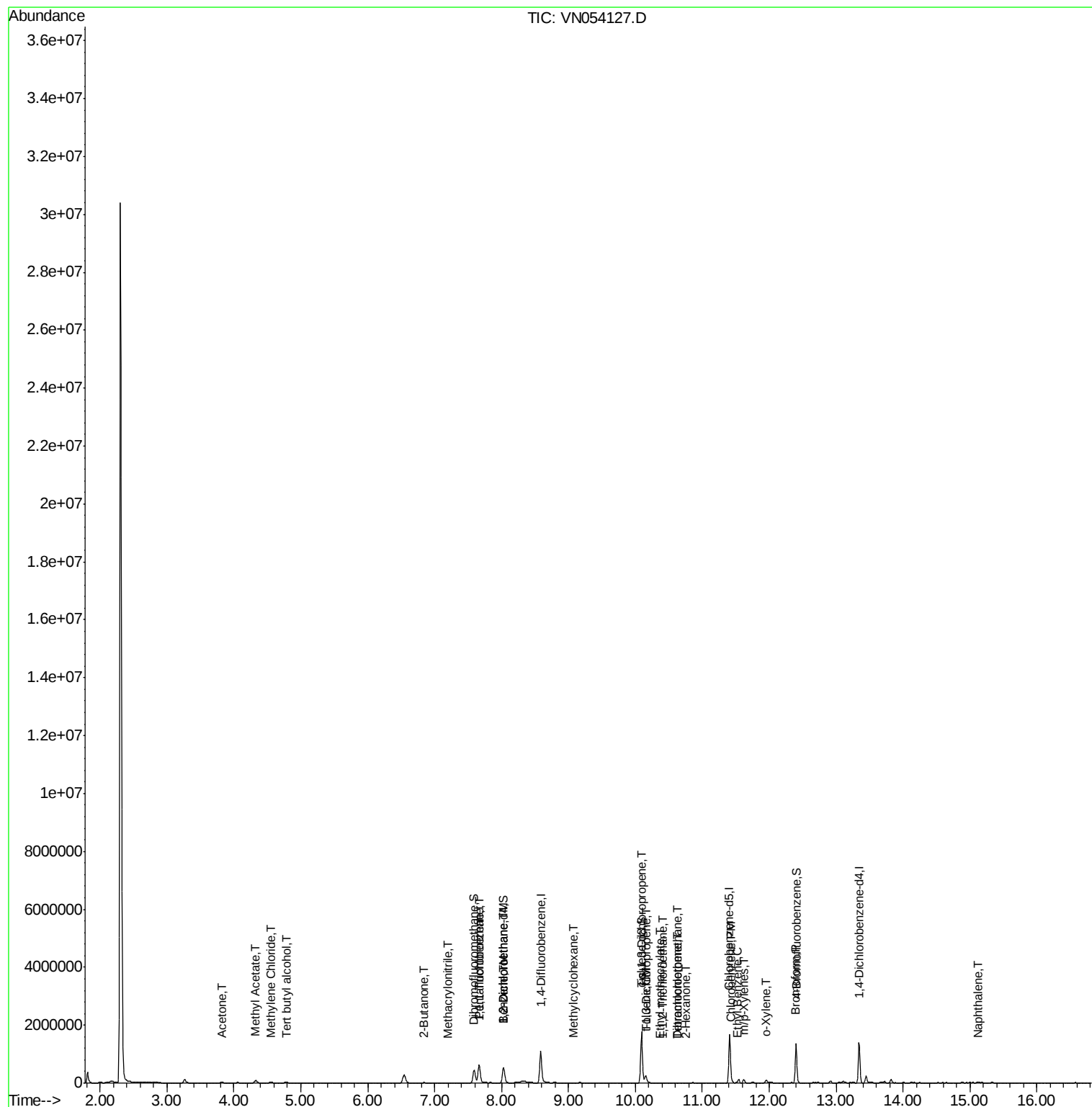
					Qvalue	
11) Tert butyl alcohol	4.77	59	43924	97.618	ug/l	97
16) Acetone	3.82	43	47851	21.006	ug/l	96
18) Methyl Acetate	4.32	43	172097	32.236	ug/l	100
20) Methylene Chloride	4.55	84	24654	2.154	ug/l	97
25) 2-Butanone	6.85	43	22660	7.477	ug/l	100
32) 1,1,1-Trichloroethane	7.65	97	72	0.007	ug/l #	1
39) Methylcyclohexane	9.08	83	1884	0.160	ug/l	87
40) Benzene	8.04	78	142742	4.721	ug/l	99
41) Methacrylonitrile	7.20	41	258	0.067	ug/l #	100
42) 1,2-Dichloroethane	8.04	62	1372	0.143	ug/l #	26
52) Toluene	10.16	92	102440	5.719	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	1081	0.110	ug/l #	1
54) cis-1,3-Dichloropropene	10.08	75	96	0.008	ug/l #	1
55) 1,1,2-Trichloroethane	10.41	97	283	0.042	ug/l #	15
56) Ethyl methacrylate	10.36	69	61	0.008	ug/l #	1
59) 2-Hexanone	10.76	43	859	0.200	ug/l #	25
60) Dibromochloromethane	10.63	129	184	0.026	ug/l #	11
64) Tetrachloroethene	10.63	164	196	0.022	ug/l #	49
65) Chlorobenzene	11.44	112	518	0.023	ug/l #	43
67) Ethyl Benzene	11.51	91	18906	0.509	ug/l	98
68) m/p-Xylenes	11.62	106	36499	2.604	ug/l	95
69) o-Xylene	11.95	106	15235	1.129	ug/l	95
71) Bromoform	12.38	173	137	0.025	ug/l #	29
95) Naphthalene	15.13	128	10427	5.249	ug/l	97

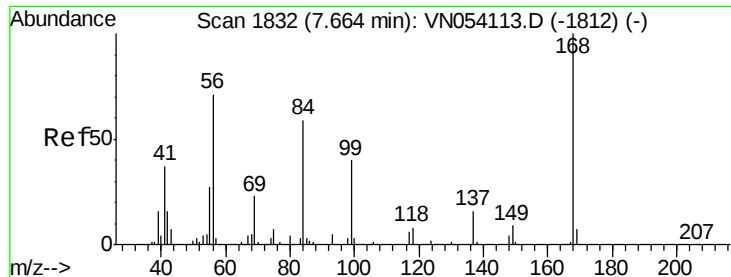
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampled :

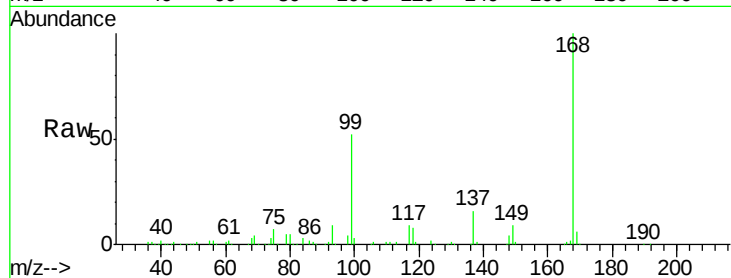
COMP-4

Tot Ion:168 Resp: 615839

Ion Ratio Lower Upper

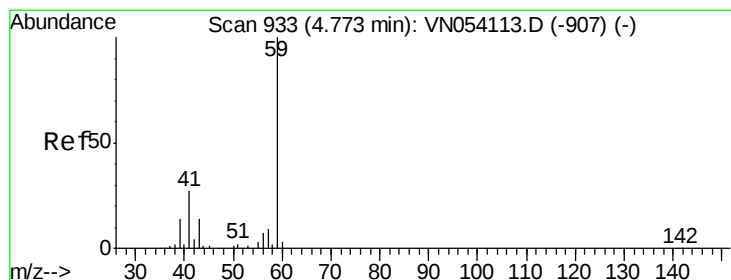
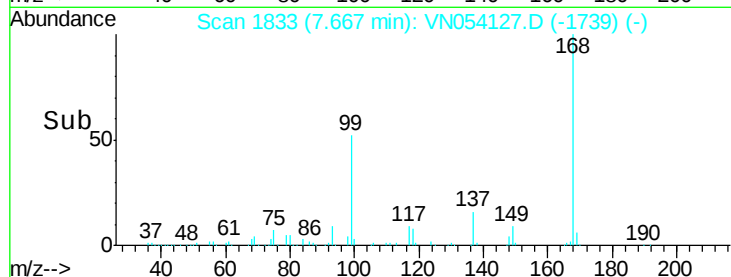
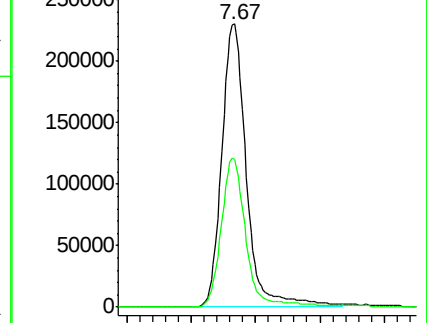
168 100

99 52.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 97.618 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN054127.D

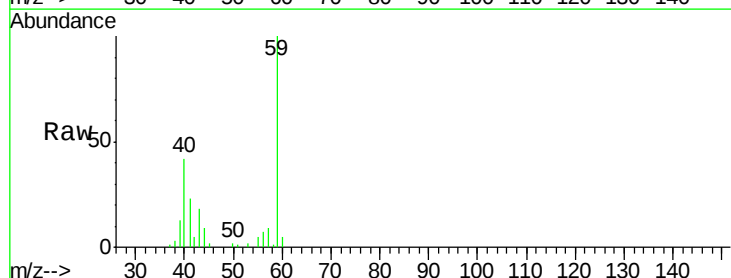
Acq: 6 Mar 2019 19:59

Tgt Ion: 59 Resp: 43924

Ion Ratio Lower Upper

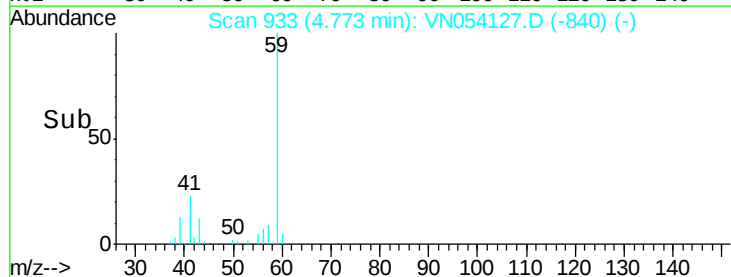
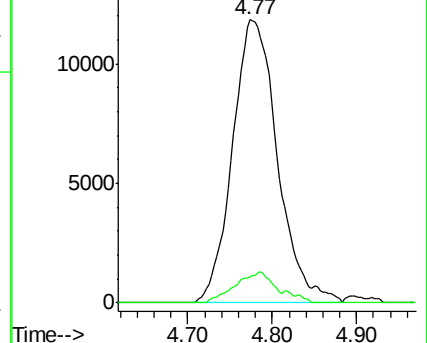
59 100

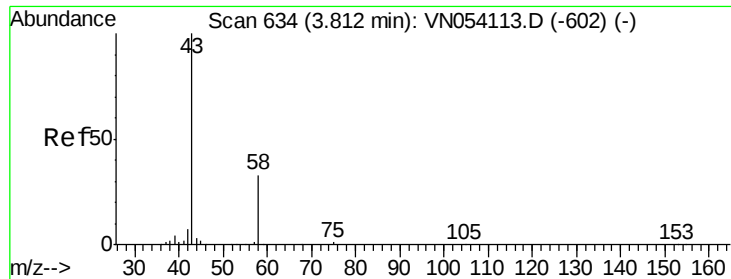
57 9.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 21.006 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampled :

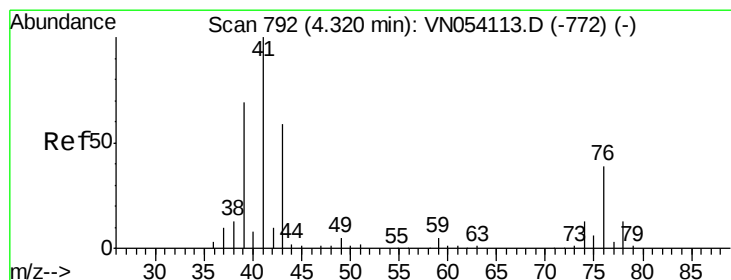
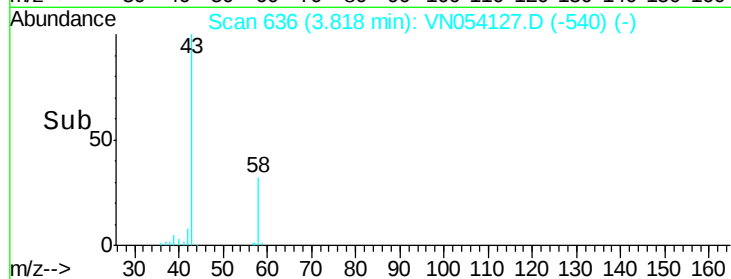
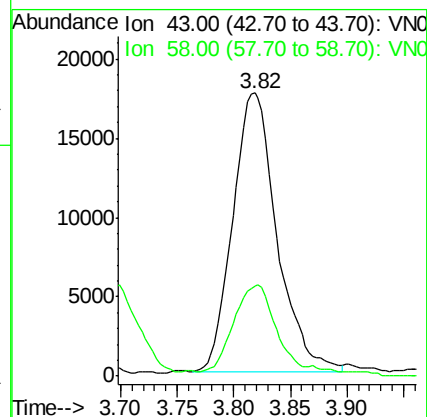
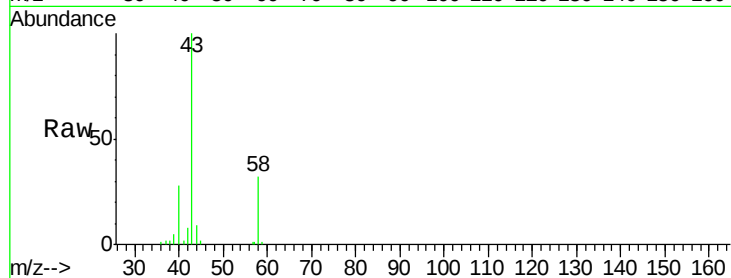
COMP-4

Tot Ion: 43 Resp: 47851

Ion Ratio Lower Upper

43 100

58 30.9 26.5 39.7



#18

Methyl Acetate

Concen: 32.236 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054127.D

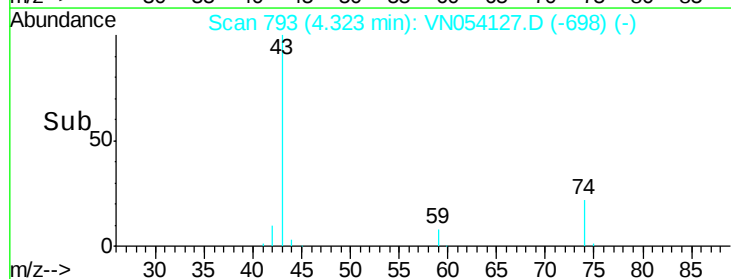
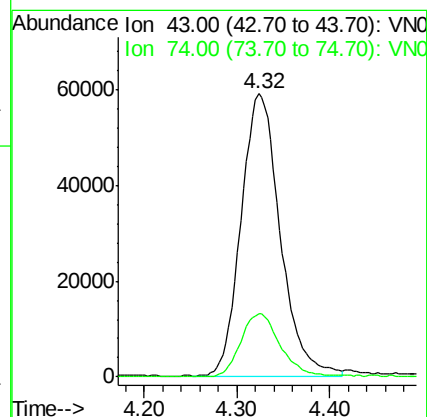
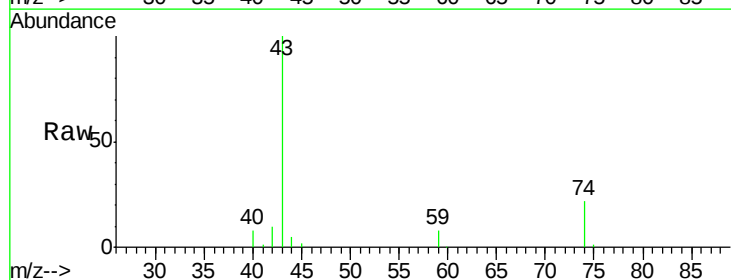
Acq: 6 Mar 2019 19:59

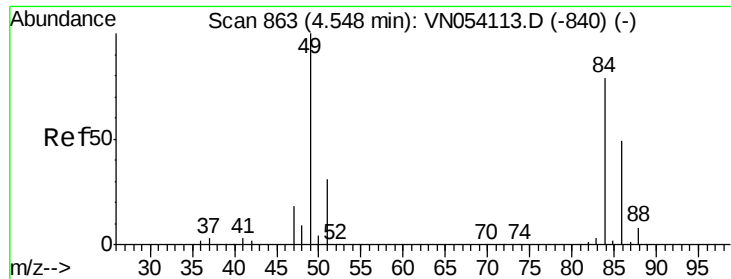
Tgt Ion: 43 Resp: 172097

Ion Ratio Lower Upper

43 100

74 22.6 18.2 27.2

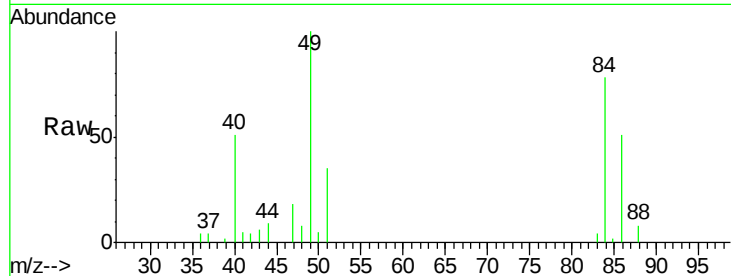




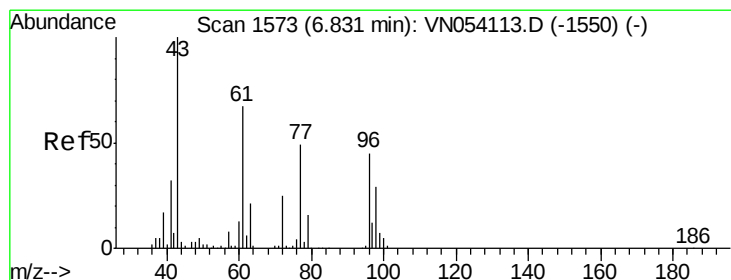
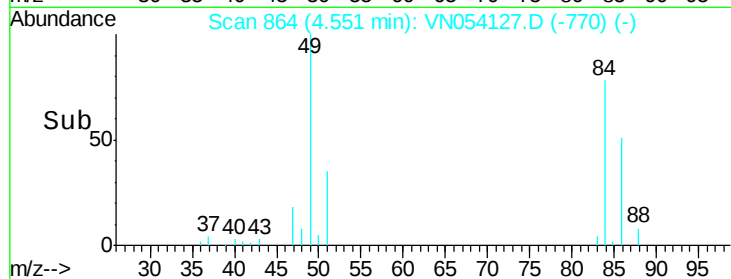
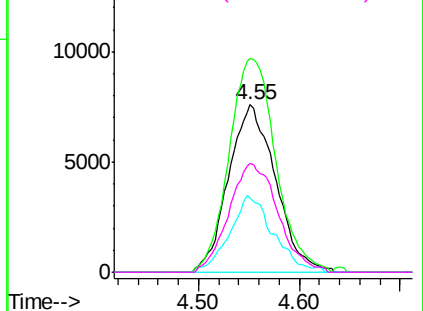
#20
Methvlene Chloride
Concen: 2.154 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Instrument :
MSVOA_N
ClientSampled :
COMP-4

Tot Ion: 84 Resp: 24654
Ion Ratio Lower Upper
84 100
49 127.7 101.8 152.8
51 44.5 31.1 46.7
86 65.2 49.7 74.5

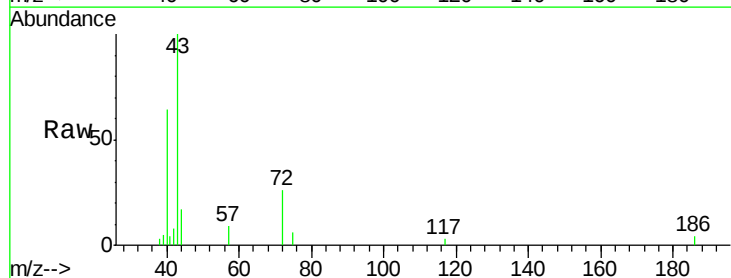


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

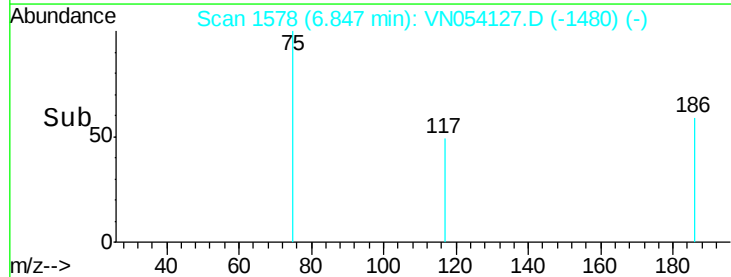
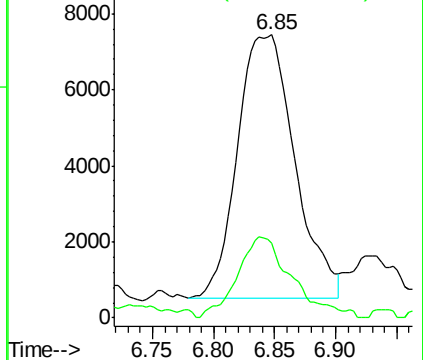


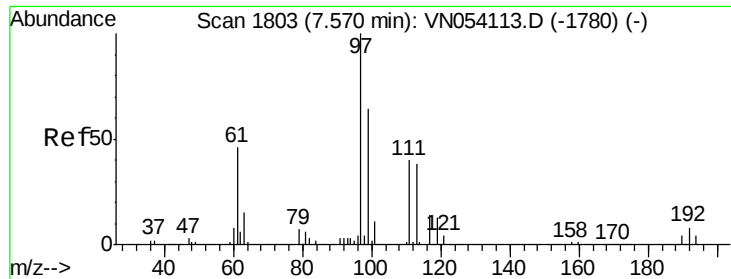
#25
2-Butanone
Concen: 7.477 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion: 43 Resp: 22660
Ion Ratio Lower Upper
43 100
72 25.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#32

1,1,1-Trichloroethane

Concen: 0.007 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.08 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

COMP-4

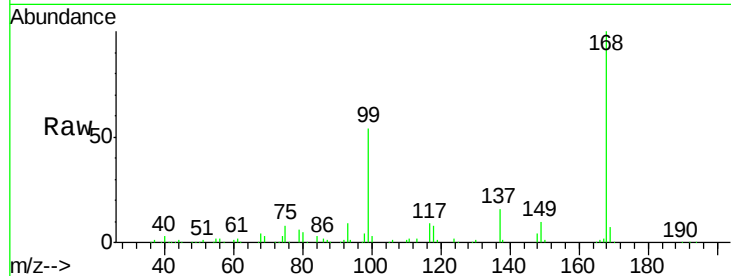
Tot Ion: 97 Resp: 72

Ion Ratio Lower Upper

97 100

99 445802.8 51.2 76.8#

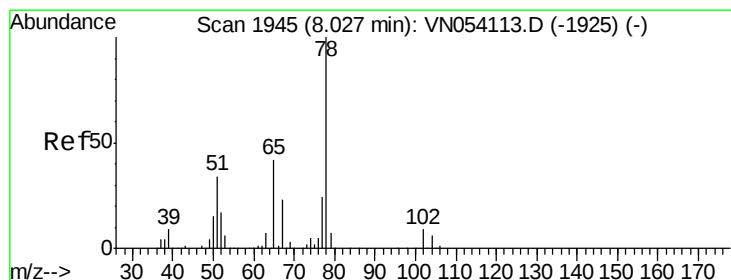
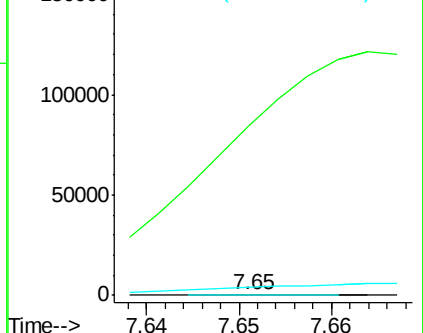
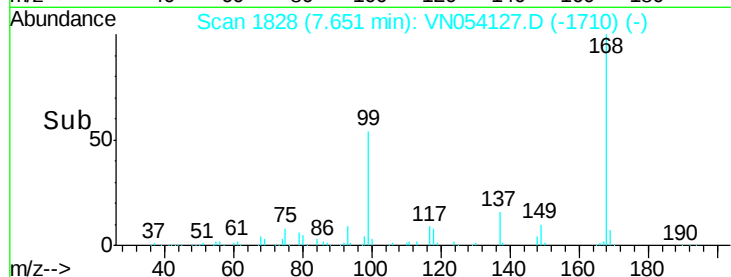
61 18858.3 37.1 55.7#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.860 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054127.D

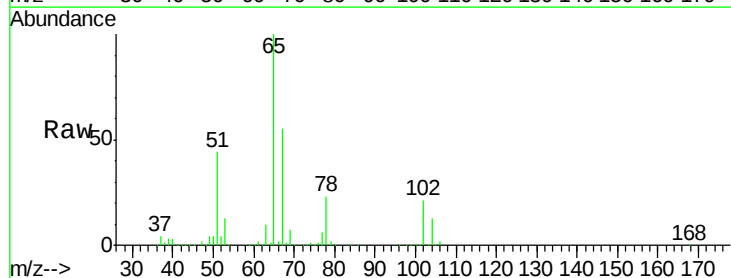
Acq: 6 Mar 2019 19:59

Tgt Ion: 65 Resp: 376159

Ion Ratio Lower Upper

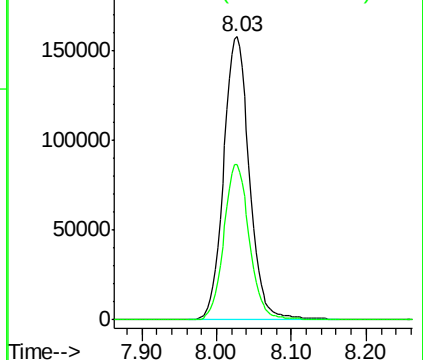
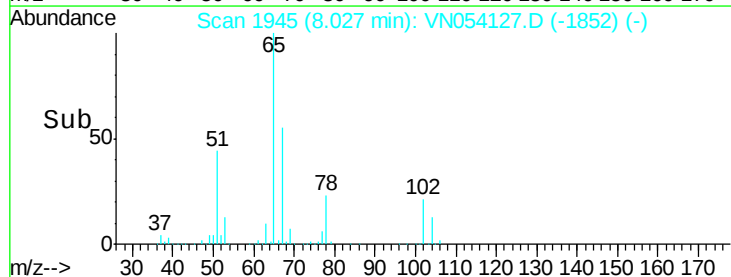
65 100

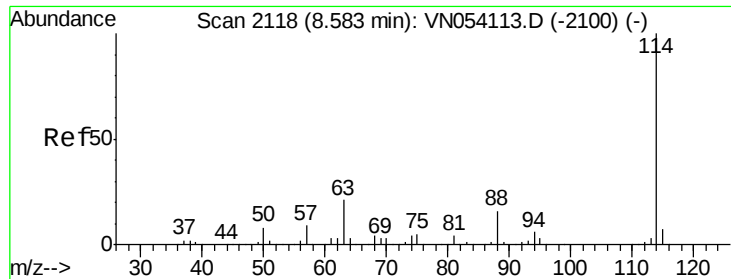
67 54.5 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

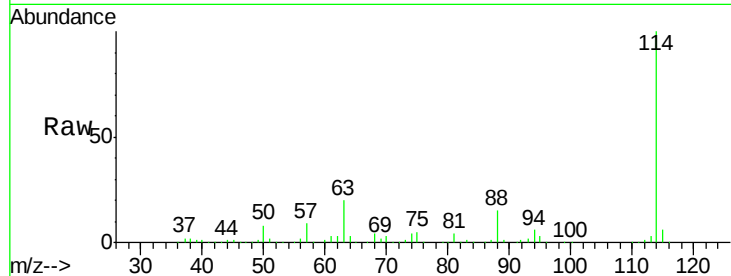




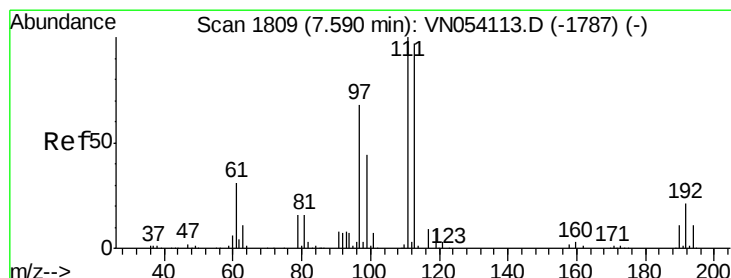
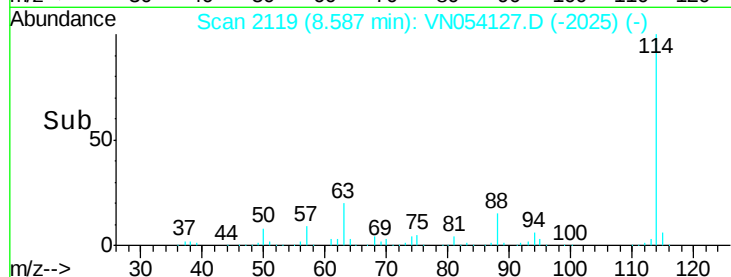
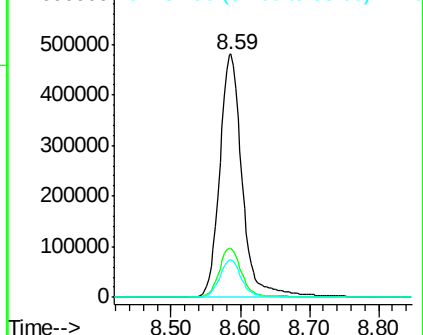
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
COMP-4

Tot Ion:114 Resp: 1088839
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.5 0.0 31.8

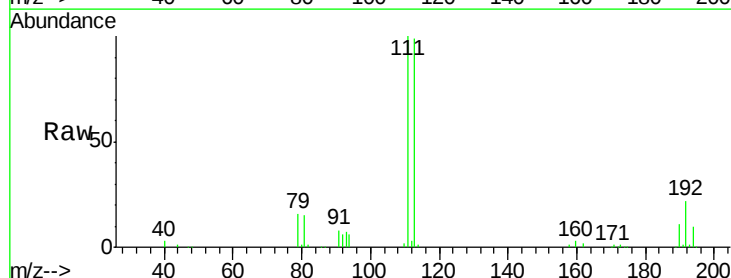


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

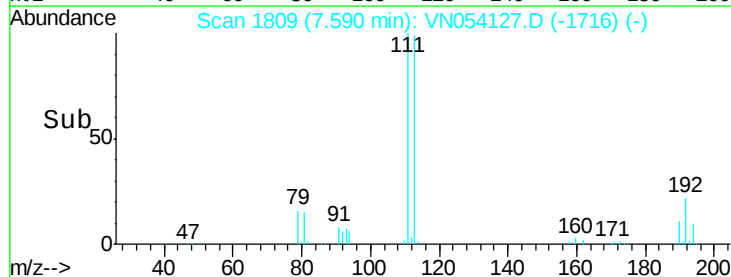
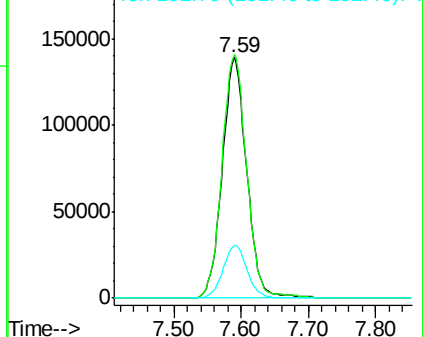


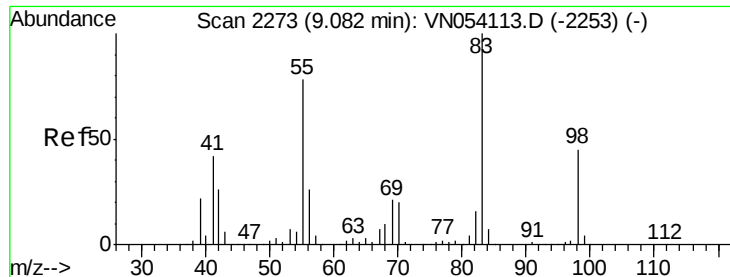
#35
Dibromofluoromethane
Concen: 49.747 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion:113 Resp: 351798
Ion Ratio Lower Upper
113 100
111 102.4 82.1 123.1
192 21.6 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

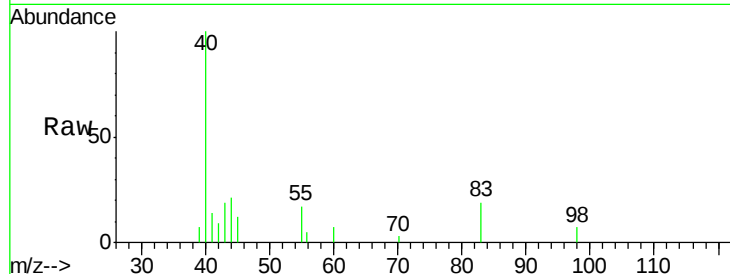




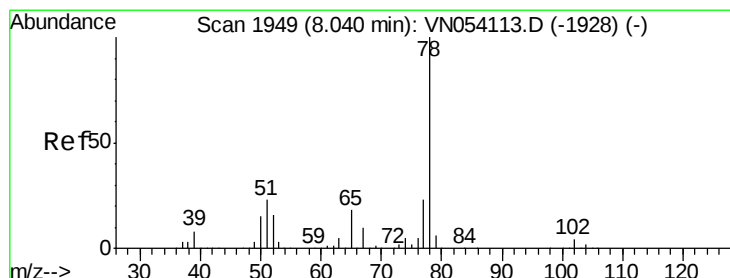
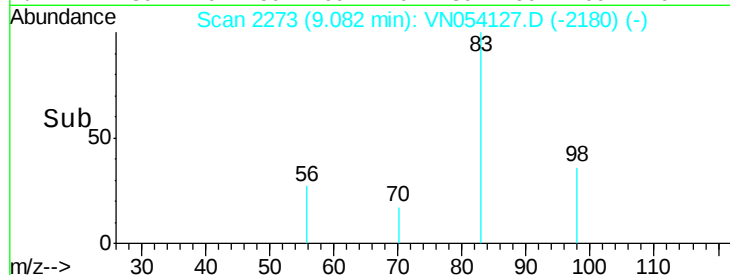
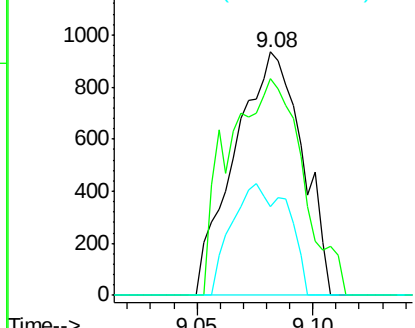
#39
Methvlcvclohexane
Concen: 0.160 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Instrument :
MSVOA_N
ClientSampled :
COMP-4

Tot Ion: 83 Resp: 1884
Ion Ratio Lower Upper
83 100
55 89.0 62.1 93.1
98 36.3 36.0 54.0

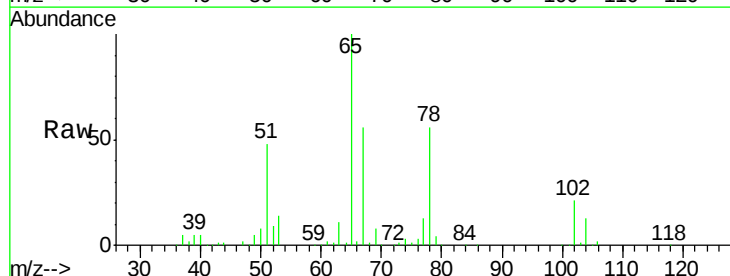


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

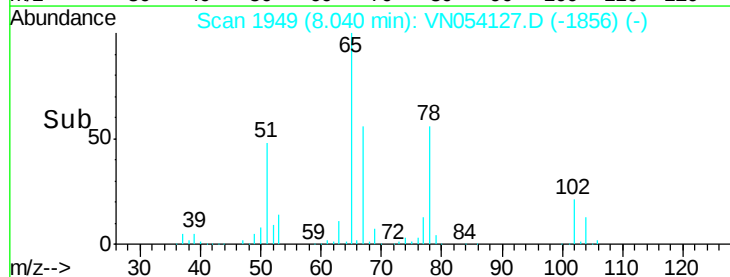
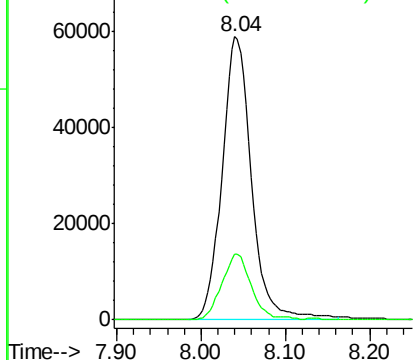


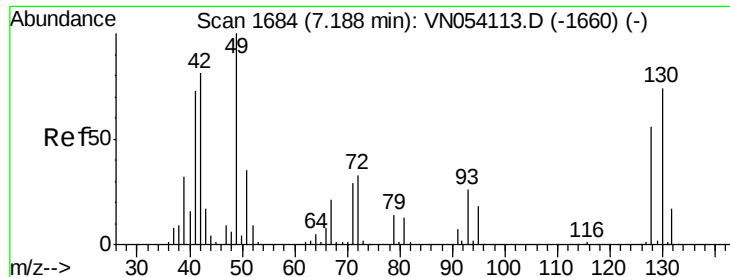
#40
Benzene
Concen: 4.721 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion: 78 Resp: 142742
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

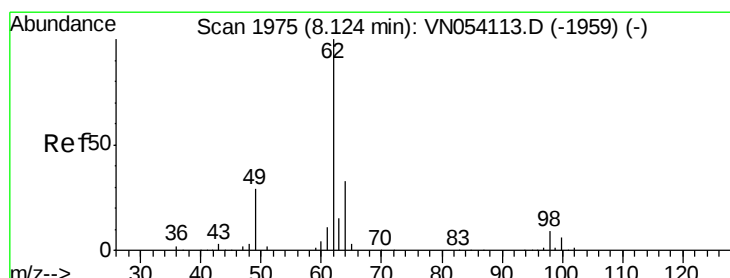
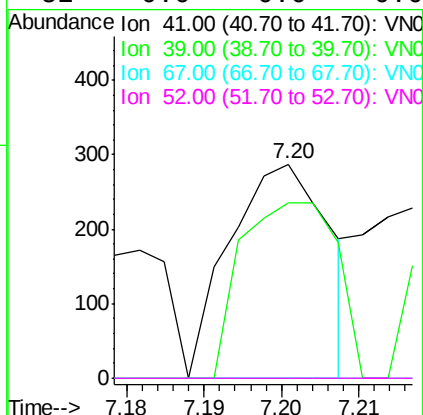
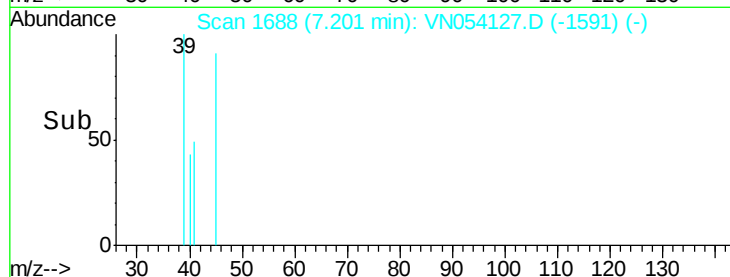
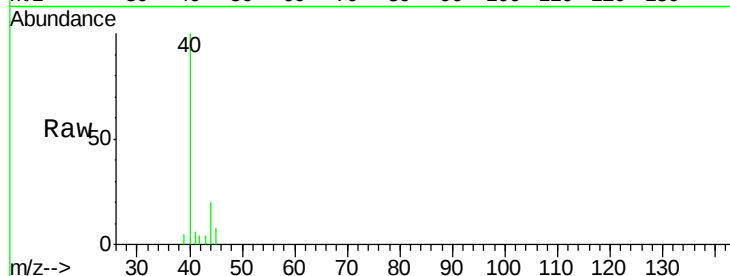




#41
Methacrylonitrile
Concen: 0.067 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

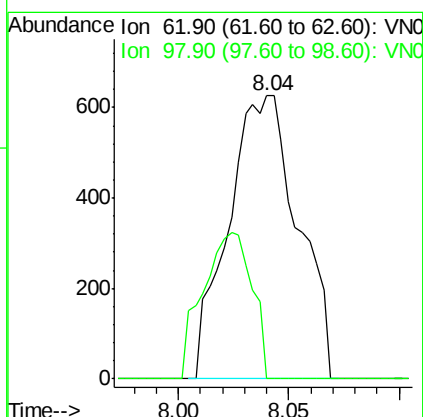
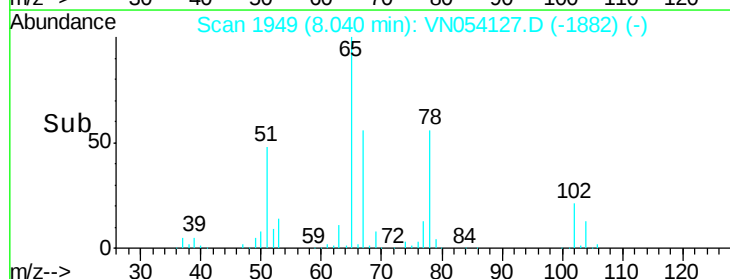
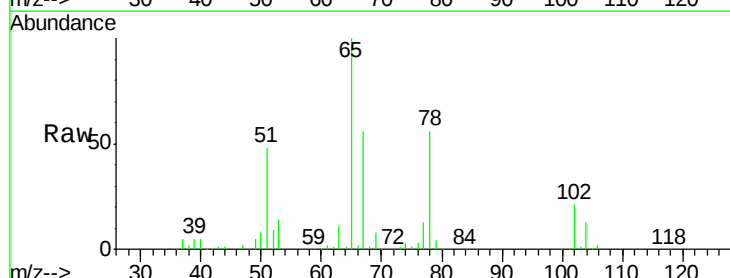
Instrument :
MSVOA_N
ClientSampled :
COMP-4

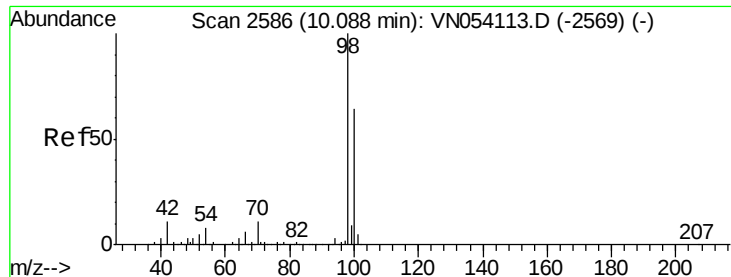
Tot Ion:	41	Resp:	258
Ion	Ratio	Lower	Upper
41	100		
39	78.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 0.143 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.08 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion:	62	Resp:	1372
Ion	Ratio	Lower	Upper
62	100		
98	36.2	0.0	18.6#





#50

Toluene-d8

Concen: 51.258 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

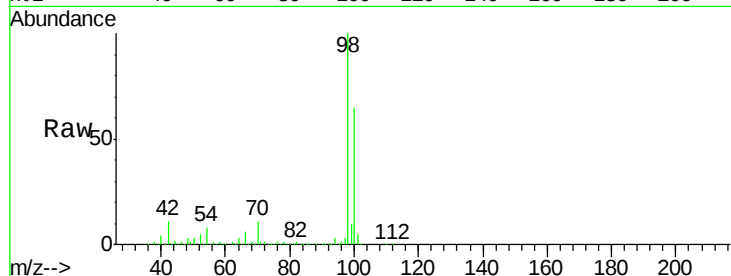
COMP-4

Tot Ion: 98 Resp: 1376510

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN054113.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054113.D (-2569) (-)

10.09

800000

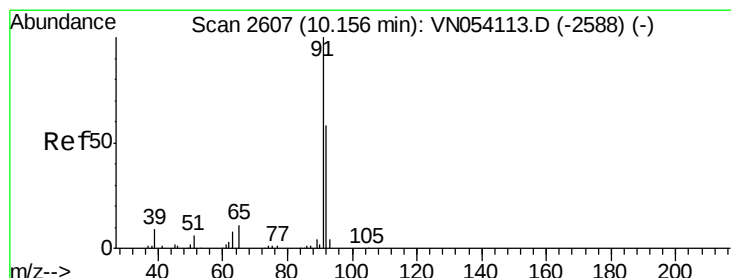
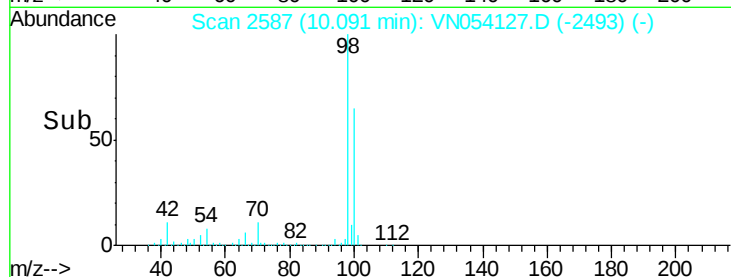
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 5.719 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054127.D

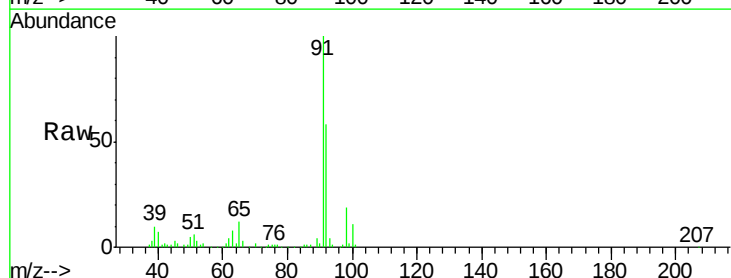
Acq: 6 Mar 2019 19:59

Tgt Ion: 92 Resp: 102440

Ion Ratio Lower Upper

92 100

91 173.2 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN054113.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN054113.D (-2588) (-)

10.16

100000

80000

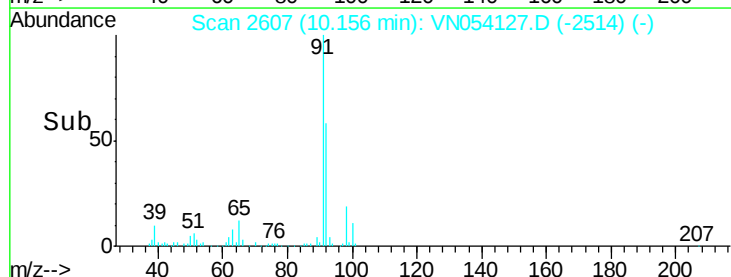
60000

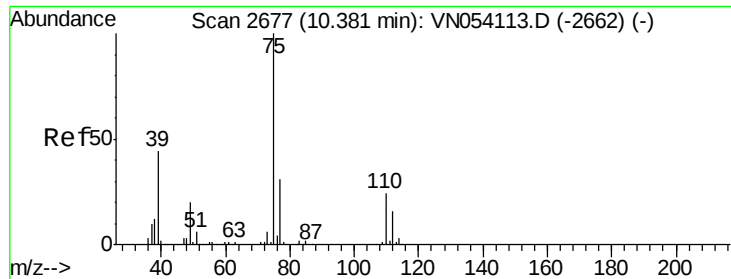
40000

20000

0

Time-->

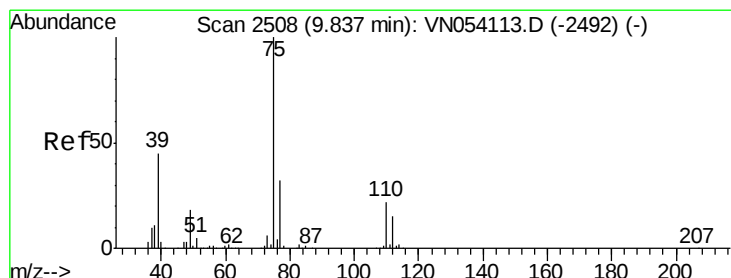
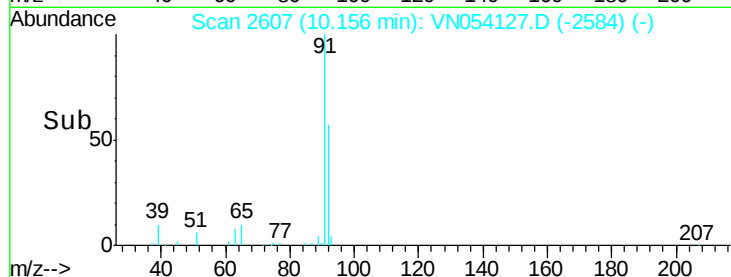
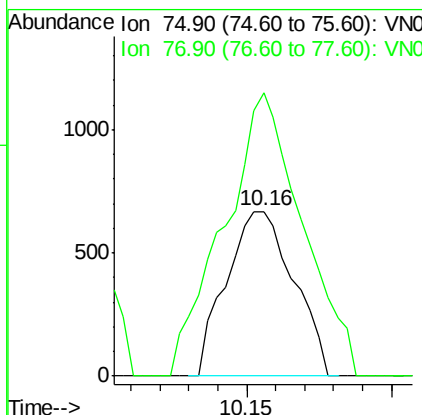
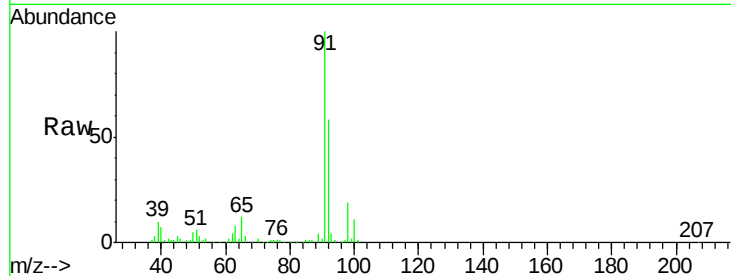




#53
t-1,3-Dichloropropene
Concen: 0.110 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.22 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

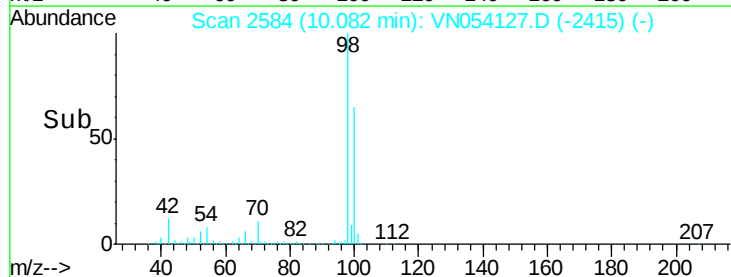
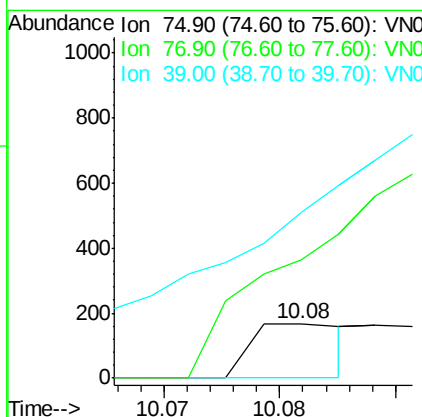
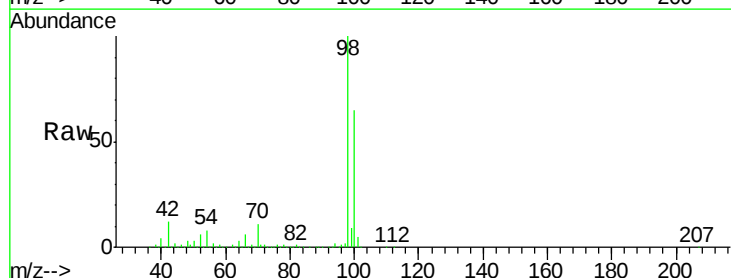
Instrument :
MSVOA_N
ClientSampled :
COMP-4

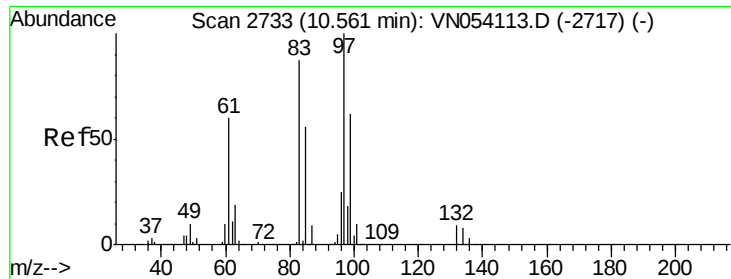
Tot Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
77 136.4 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 0.008 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.24 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion: 75 Resp: 96
Ion Ratio Lower Upper
75 100
77 216.7 25.4 38.0#
39 113.1 36.2 54.2#





#55

1,1,2-Trichloroethane

Concen: 0.042 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.15 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

COMP-4

Tot Ion: 97 Resp: 283

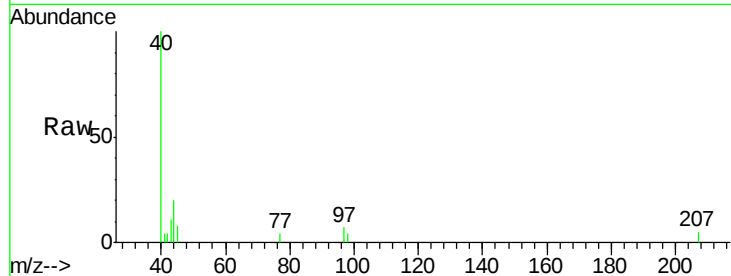
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.6#

85 0.0 45.0 67.4#

99 0.0 49.8 74.6#

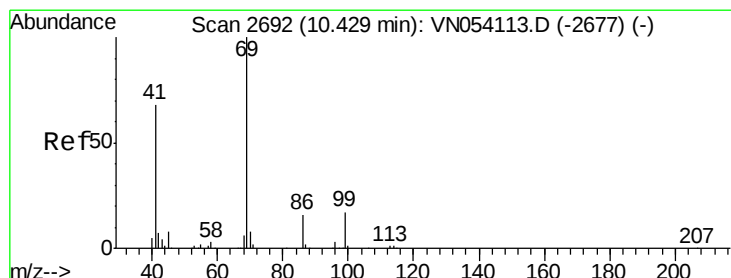
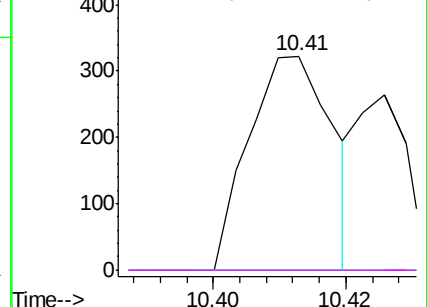
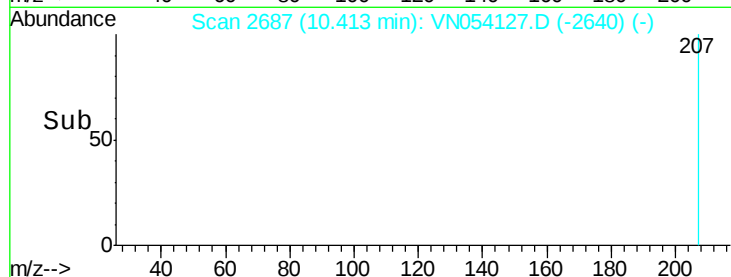


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 0.008 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. -0.07 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

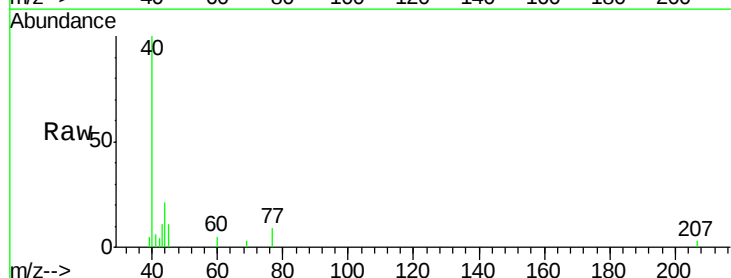
Tgt Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 718.0 53.4 80.2#

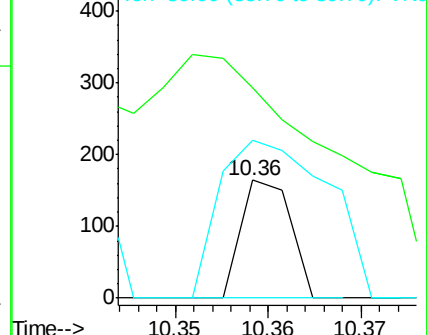
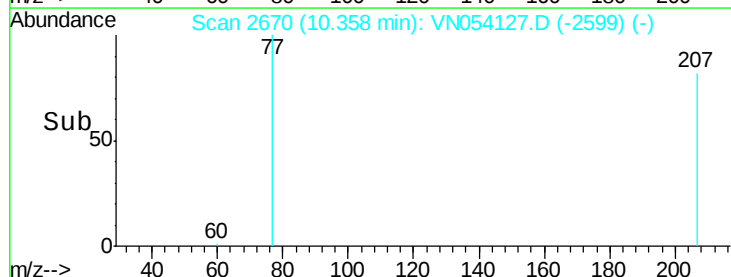
39 0.0 25.6 38.4#

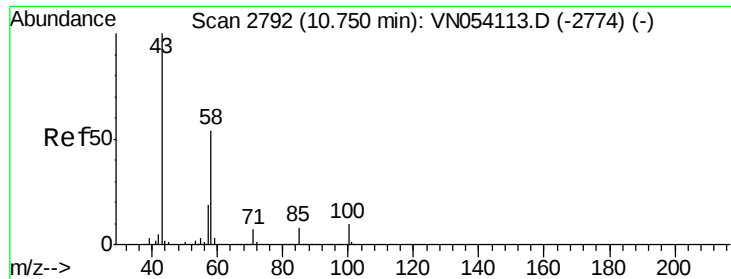


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

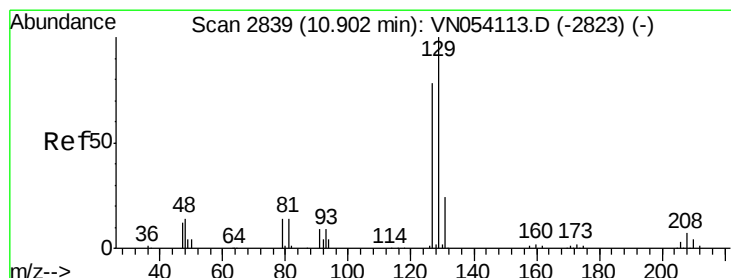
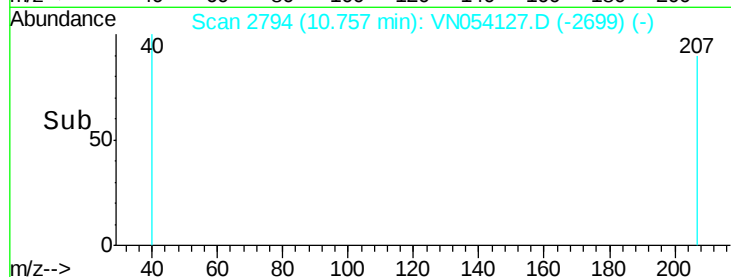
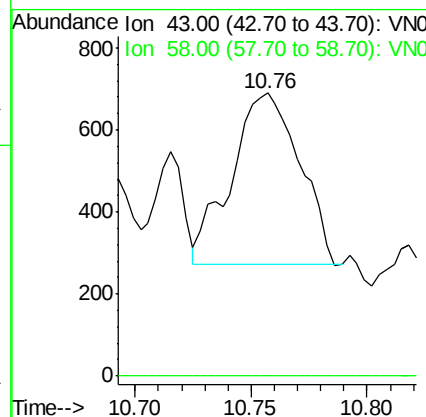
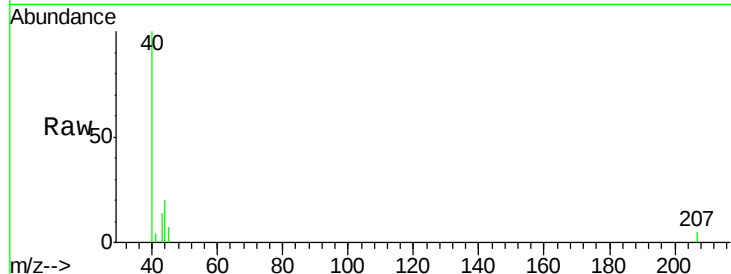




#59
2-Hexanone
Concen: 0.200 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

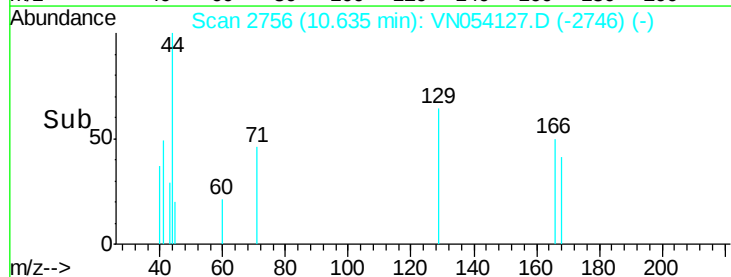
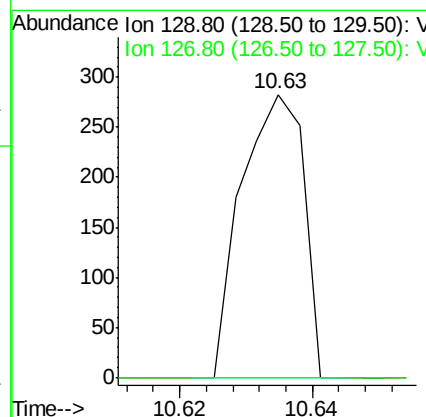
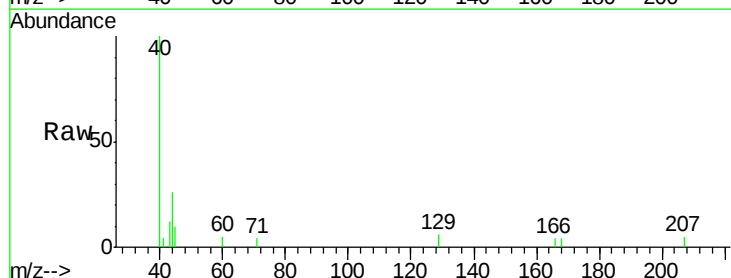
Instrument :
MSVOA_N
ClientSampled :
COMP-4

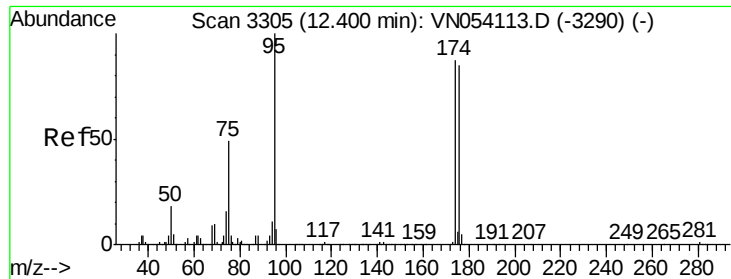
Tot Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 0.0 27.0 81.0#



#60
Dibromochloromethane
Concen: 0.026 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion: 129 Resp: 184
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 54.253 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampled :

COMP-4

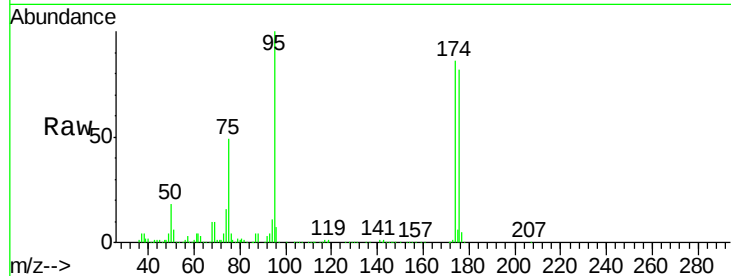
Tot Ion: 95 Resp: 474336

Ion Ratio Lower Upper

95 100

174 87.4 0.0 173.2

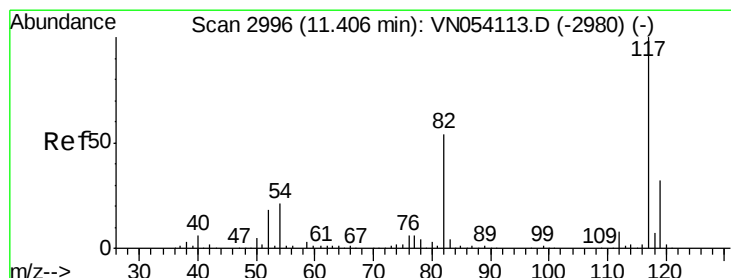
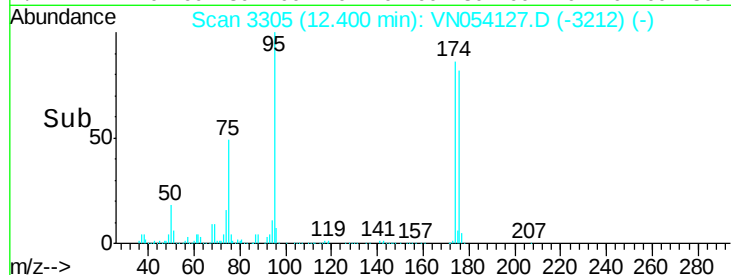
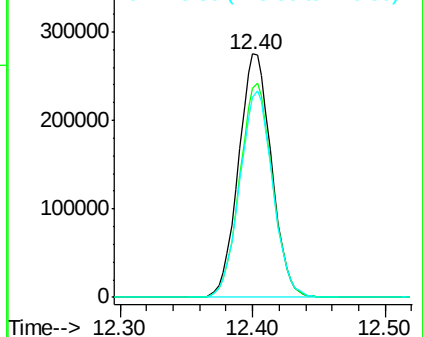
176 84.9 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN054127.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054127.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054127.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

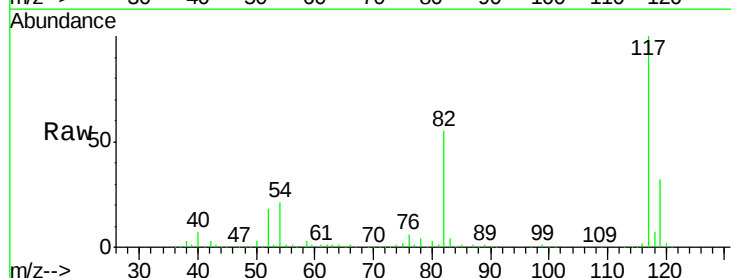
Tgt Ion: 117 Resp: 1066765

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.2

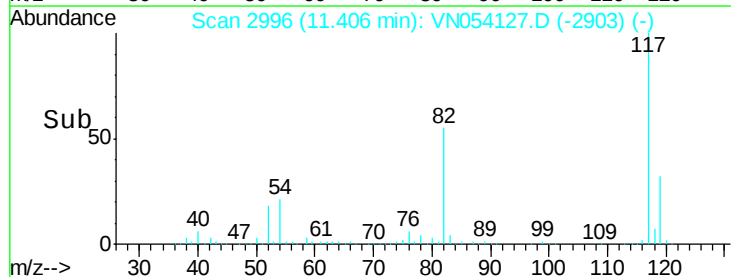
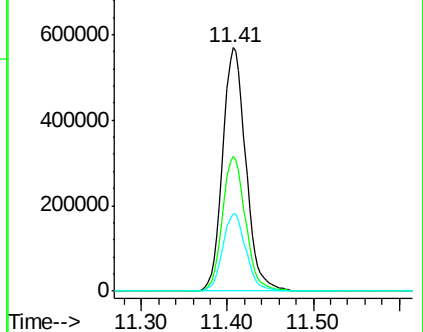
119 31.9 26.0 39.0

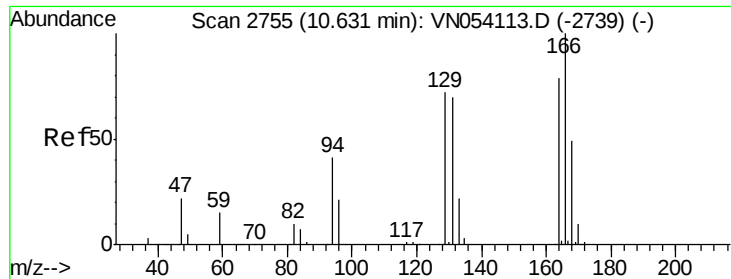


Abundance Ion 116.90 (116.60 to 117.60): VN054127.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054127.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054127.D (-2903) (-)

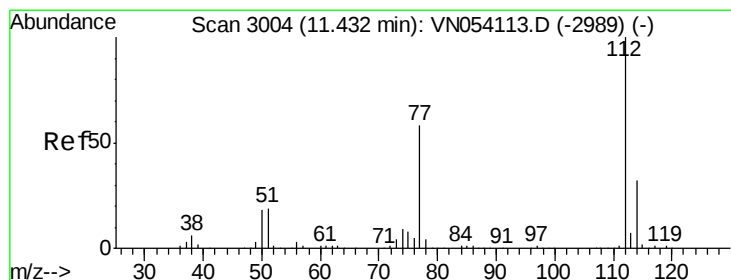
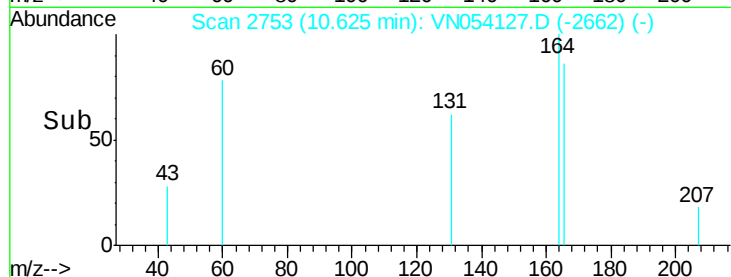
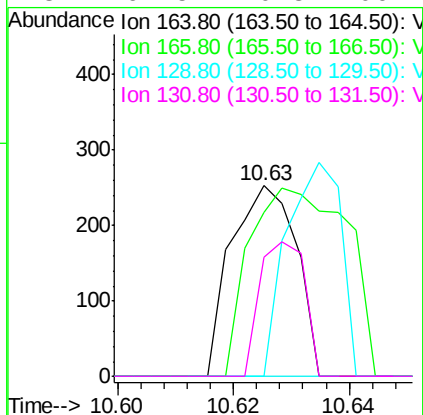
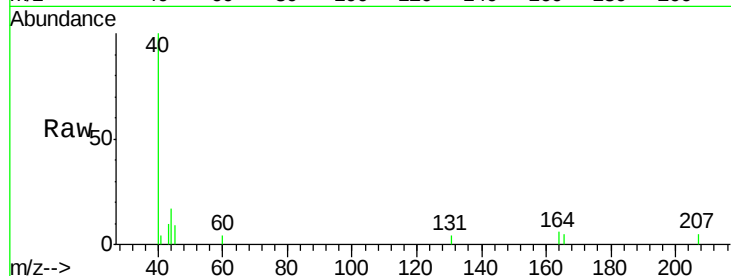




#64
Tetrachloroethene
Concen: 0.022 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.01 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

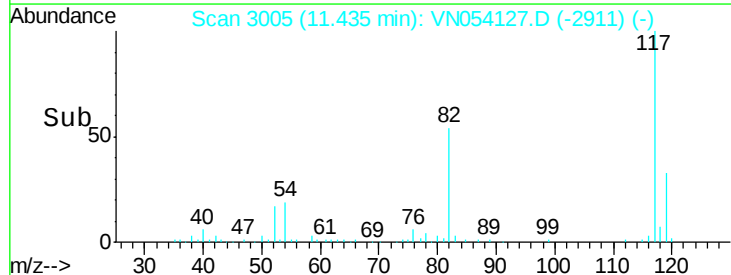
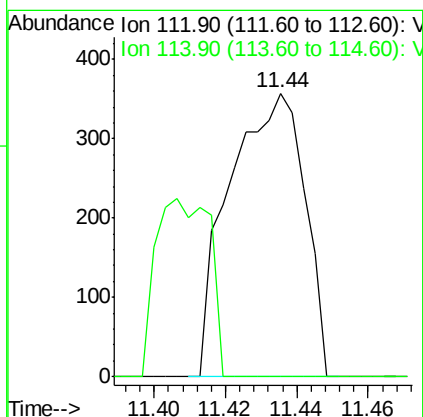
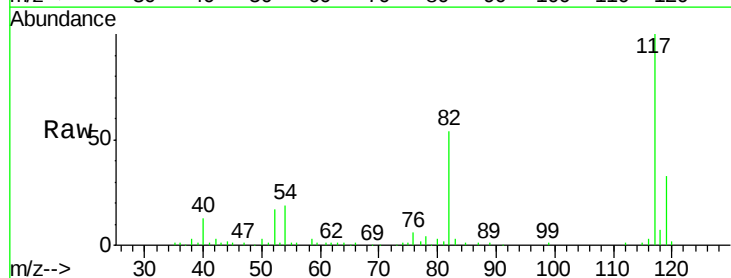
Instrument :
MSVOA_N
ClientSampleId :
COMP-4

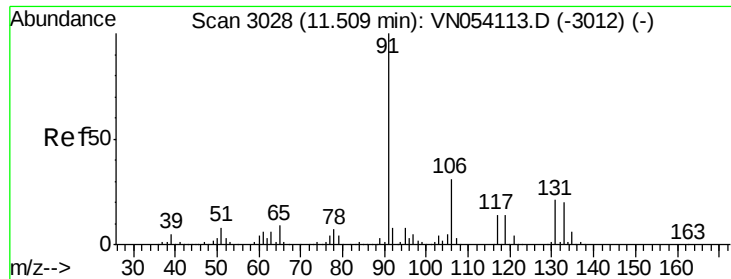
Tot Ion	Ratio	Lower	Upper
164	100		
166	85.8	101.3	151.9#
129	0.0	73.2	109.8#
131	62.5	70.8	106.2#



#65
Chlorobenzene
Concen: 0.023 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.4	38.0#

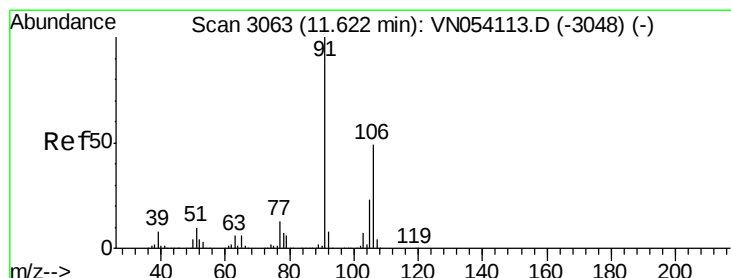
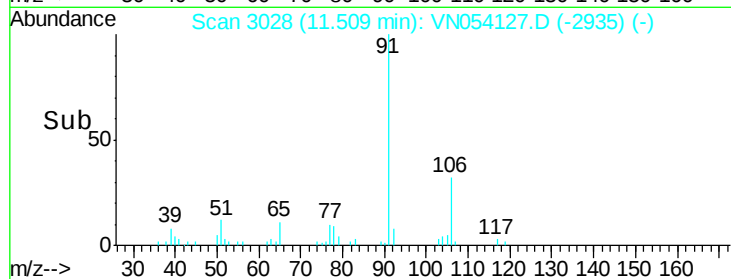
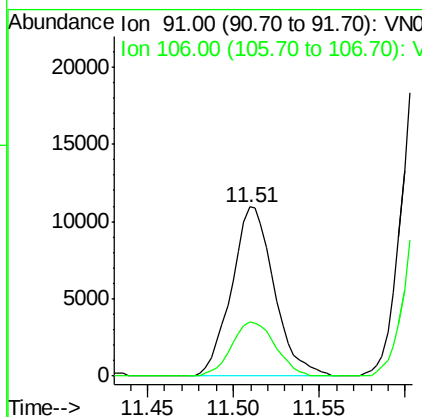
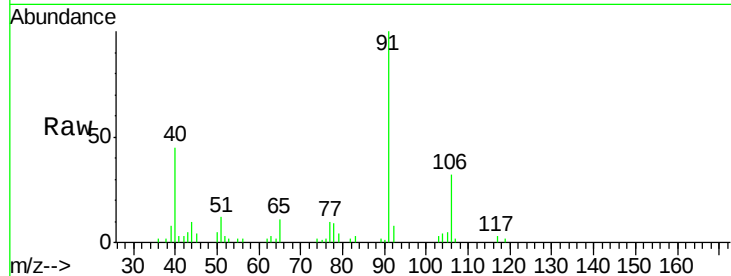




#67
Ethyl Benzene
Concen: 0.509 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

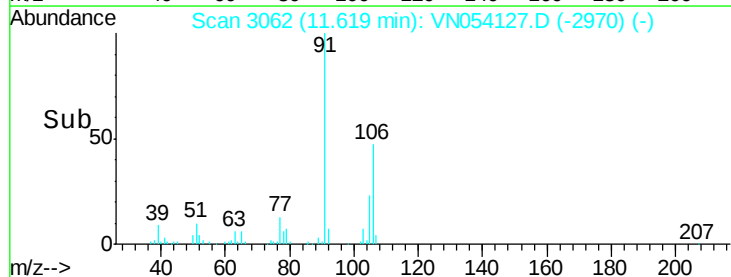
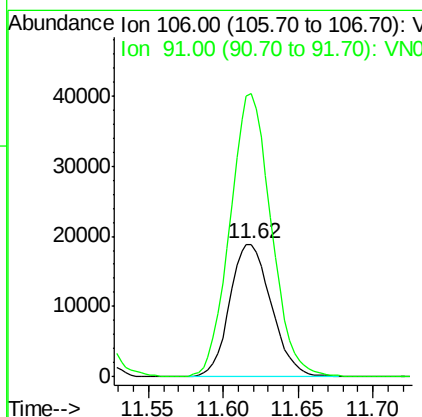
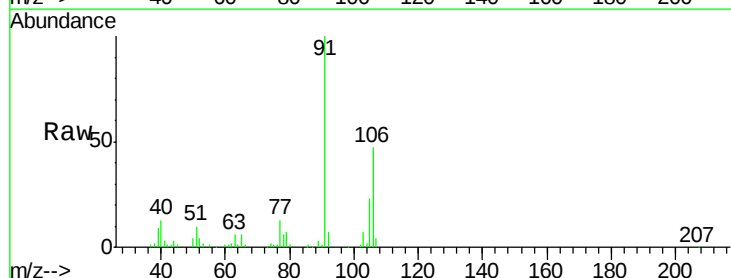
Instrument :
MSVOA_N
ClientSampled :
COMP-4

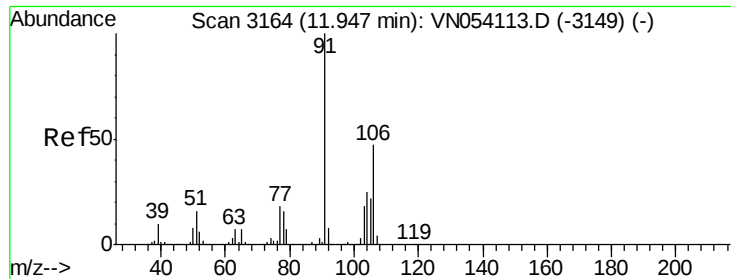
Tot Ion: 91 Resp: 18906
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8



#68
m/p-Xylenes
Concen: 2.604 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion: 106 Resp: 36499
Ion Ratio Lower Upper
106 100
91 211.9 163.2 244.8

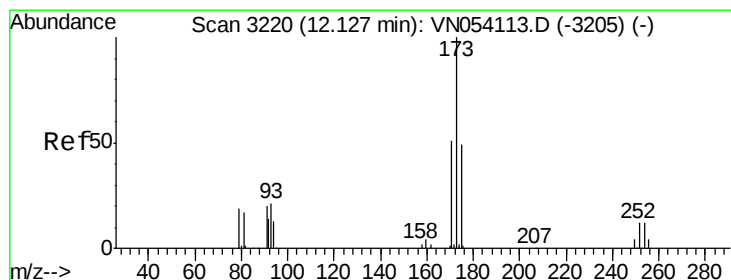
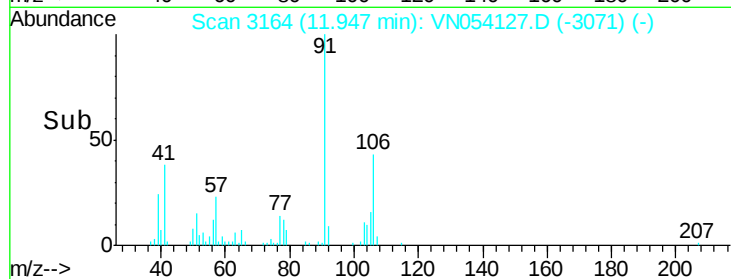
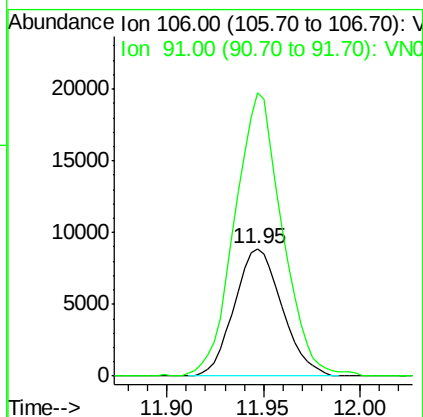
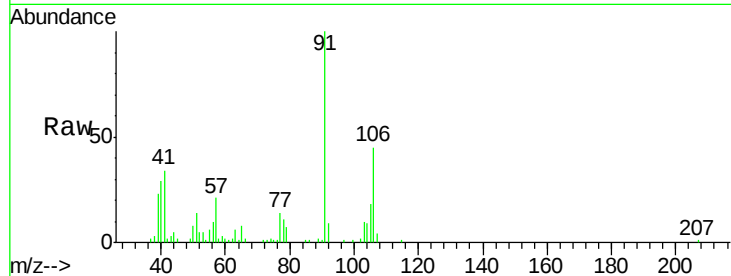




#69
o-Xylene
Concen: 1.129 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

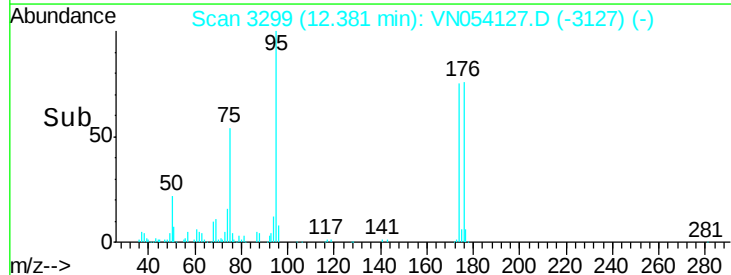
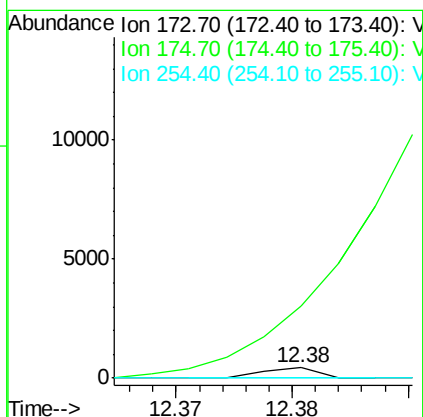
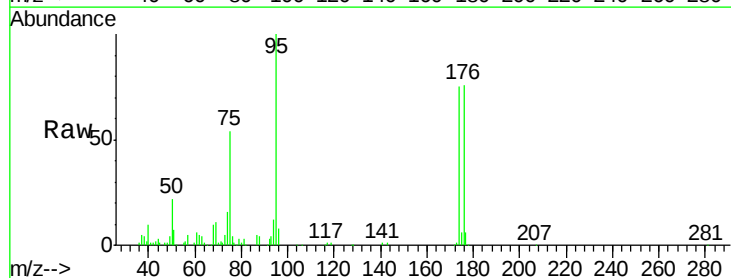
Instrument :
MSVOA_N
ClientSampled :
COMP-4

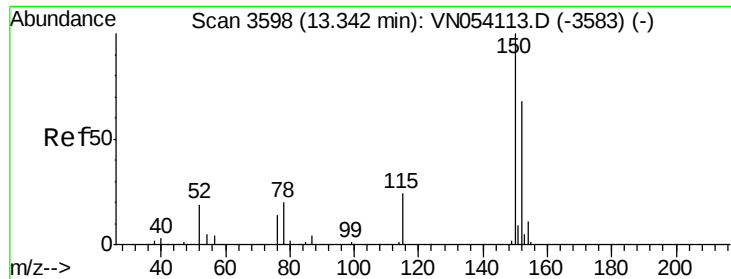
Tot Ion:106 Resp: 15235
Ion Ratio Lower Upper
106 100
91 221.5 107.1 321.3



#71
Bromoform
Concen: 0.025 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN054127.D
Acq: 6 Mar 2019 19:59

Tgt Ion:173 Resp: 137
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

COMP-4

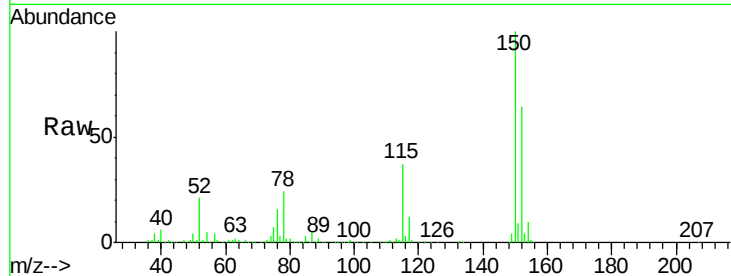
Tot Ion:152 Resp: 396436

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.6

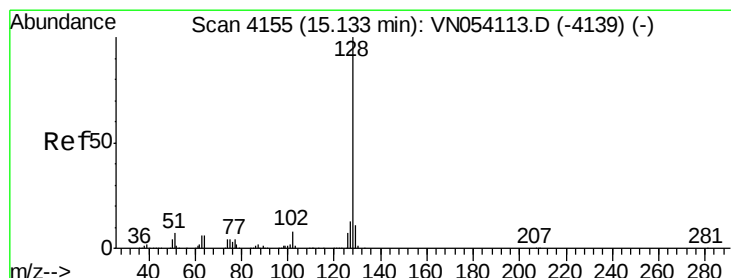
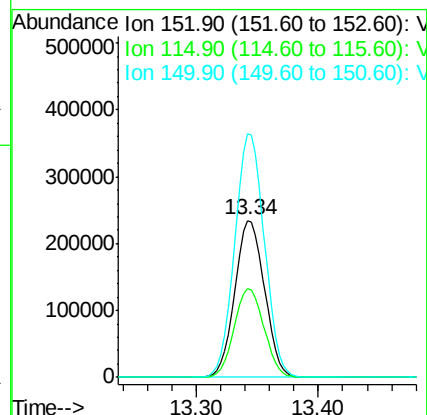
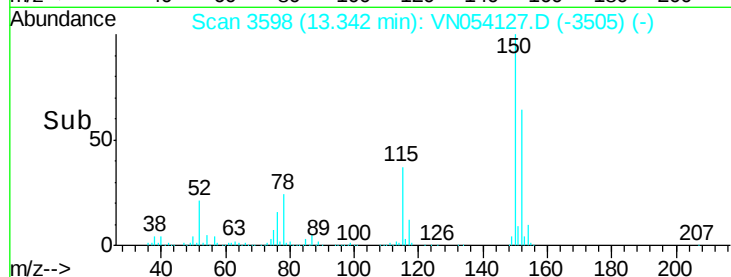
150 155.6 0.0 343.2



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



#95

Naphthalene

Concen: 5.249 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054127.D

Acq: 6 Mar 2019 19:59

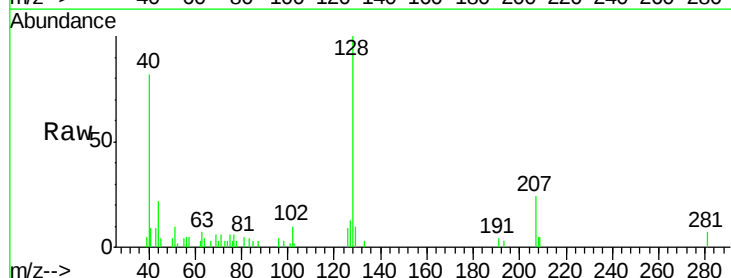
Tgt Ion:128 Resp: 10427

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.2 8.6 12.8



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

