

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054120.D
 Acq On : 6 Mar 2019 16:53
 Operator : JC/SP
 Sample : VN0306WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBL01

Quant Time: Mar 07 06:57:48 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	7.77	168	556687	50.00	ug/l	0.10
34) 1,4-Difluorobenzene	8.65	114	986028	50.00	ug/l	0.07
63) Chlorobenzene-d5	11.42	117	935459	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.35	152	327480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.12	65	346197	51.78	ug/l	0.09
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.70	113	317277	49.54	ug/l	0.11
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.12	98	1231480	50.64	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.41	95	403063	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.45	62	302	0.042	ug/l #	43
6) Chloroethane	2.68	64	63	0.014	ug/l #	43
11) Tert butyl alcohol	4.60	59	58	0.143	ug/l #	72
12) 1,1-Dichloroethene	4.00	96	62	0.012	ug/l #	1
14) Allyl chloride	4.22	41	32	0.003	ug/l #	50
15) Acrylonitrile	5.25	53	61	0.027	ug/l #	57
16) Acetone	3.86	43	177	0.086	ug/l #	42
21) trans-1,2-Dichloroethene	5.27	96	29	0.005	ug/l #	1
22) Diisopropyl ether	6.11	45	60	0.003	ug/l #	35
23) Vinyl Acetate	5.84	43	32	0.002	ug/l #	73
25) 2-Butanone	6.86	43	29	0.011	ug/l #	50
27) cis-1,2-Dichloroethene	7.00	96	104	0.016	ug/l #	1
28) Bromochloromethane	7.32	49	95	0.017	ug/l #	14
30) Chloroform	7.49	83	67	0.006	ug/l #	17
32) 1,1,1-Trichloroethane	7.76	97	31	0.003	ug/l #	1
37) Ethyl Acetate	7.01	43	543	0.082	ug/l #	69
39) Methylcyclohexane	9.14	83	61	0.006	ug/l #	18
40) Benzene	8.14	78	303	0.011	ug/l #	52
41) Methacrylonitrile	7.33	41	201	0.058	ug/l #	100
42) 1,2-Dichloroethane	8.21	62	104	0.012	ug/l #	74
44) Trichloroethene	8.90	130	292	0.040	ug/l	81
46) Dibromomethane	9.26	93	59	0.014	ug/l #	2
48) Methyl methacrylate	9.25	41	162	0.032	ug/l #	12
51) 4-Methyl-2-Pentanone	10.08	43	158	0.027	ug/l #	37
52) Toluene	10.20	92	377	0.023	ug/l #	72
53) t-1,3-Dichloropropene	10.42	75	504	0.057	ug/l #	44
54) cis-1,3-Dichloropropene	9.87	75	112	0.011	ug/l #	47
64) Tetrachloroethene	10.65	164	162	0.021	ug/l	89
65) Chlorobenzene	11.45	112	919	0.047	ug/l #	88
67) Ethyl Benzene	11.52	91	1009	0.031	ug/l	97
68) m/p-Xylenes	11.63	106	716	0.058	ug/l	98
69) o-Xylene	11.95	106	264	0.022	ug/l	80
70) Styrene	11.97	104	553	0.029	ug/l #	81
73) Isopropylbenzene	12.26	105	978	0.038	ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

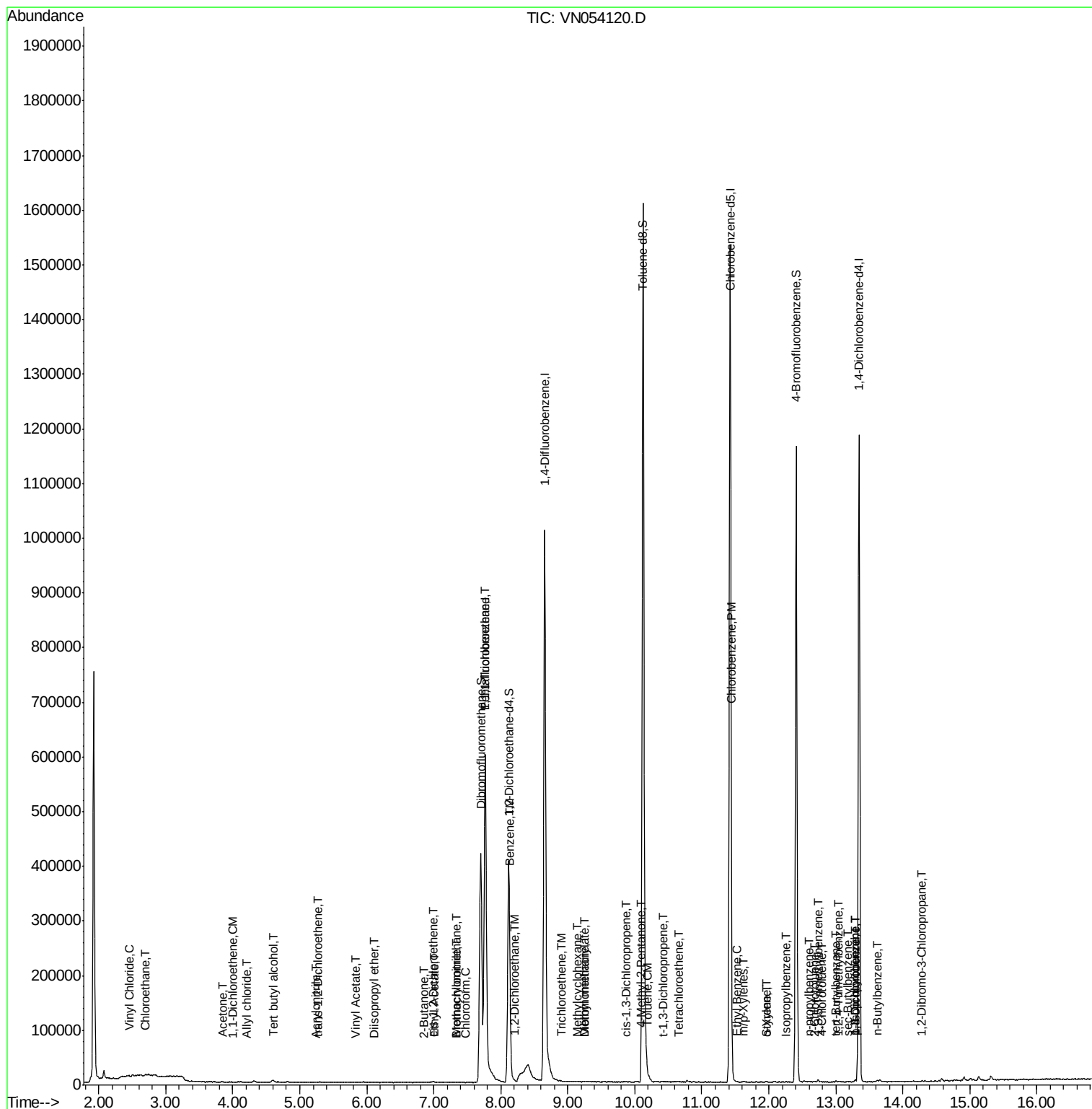
78) n-propylbenzene	12.60	91	2119	0.072	ug/l	86
79) 2-Chlorotoluene	12.68	91	1170	0.066	ug/l	85
80) 1,3,5-Trimethylbenzene	12.74	105	914	0.043	ug/l	93
82) 4-Chlorotoluene	12.78	91	1497	0.084	ug/l	95
83) tert-Butylbenzene	13.00	119	1058	0.056	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.05	105	1096	0.052	ug/l	85
85) sec-Butylbenzene	13.17	105	1647	0.065	ug/l	91
86) p-Isopropyltoluene	13.29	119	1540	0.072	ug/l #	77
87) 1,3-Dichlorobenzene	13.28	146	1329	0.117	ug/l	92
88) 1,4-Dichlorobenzene	13.28	146	1329	0.117	ug/l	92
89) n-Butylbenzene	13.62	91	1993	0.110	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30	0.032	ug/l #	1

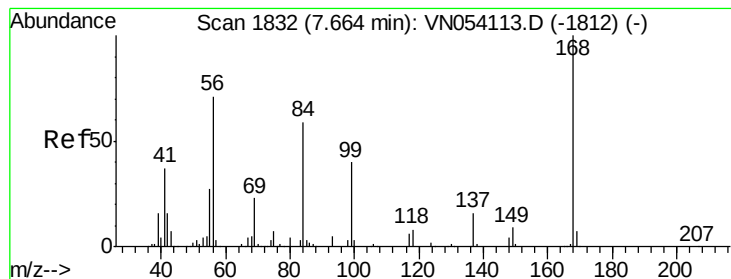
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.10 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

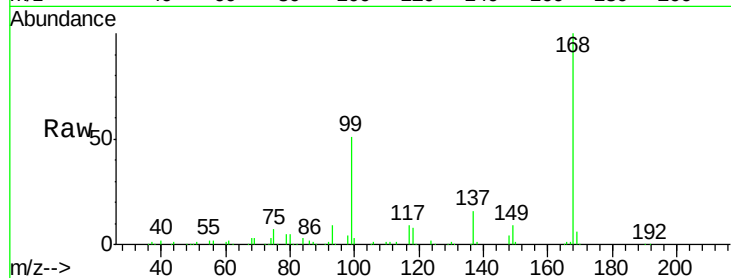
VN0306WBL01

Tot Ion:168 Resp: 556687

Ion Ratio Lower Upper

168 100

99 51.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.77

250000

200000

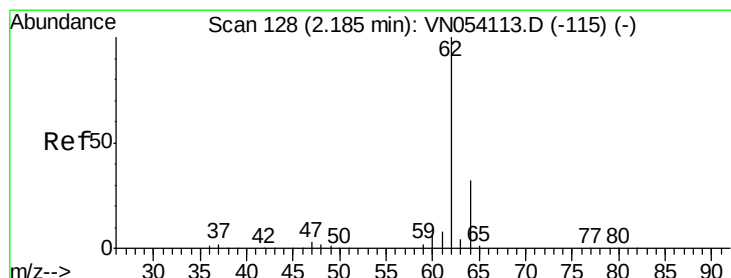
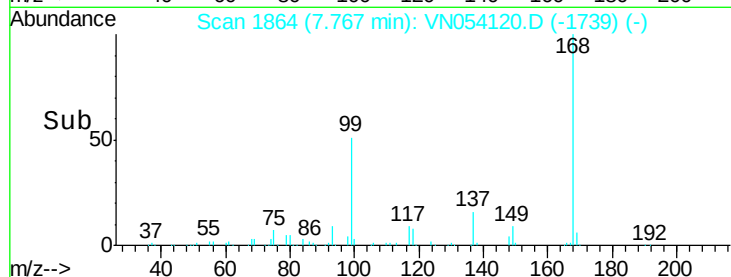
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.042 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.27 min

Lab File: VN054120.D

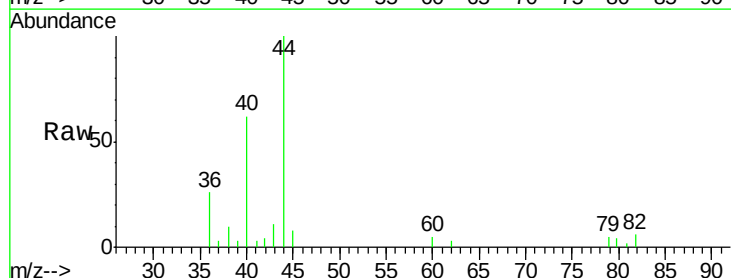
Acq: 6 Mar 2019 16:53

Tgt Ion: 62 Resp: 302

Ion Ratio Lower Upper

62 100

64 0.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.45

250

200

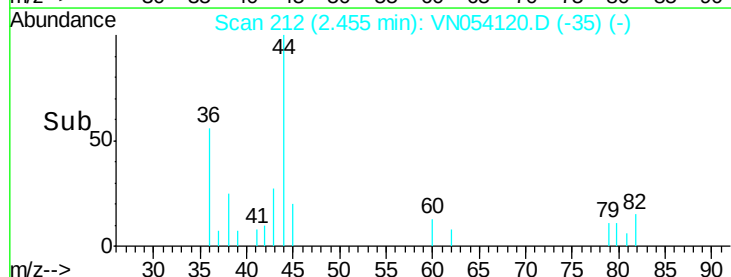
150

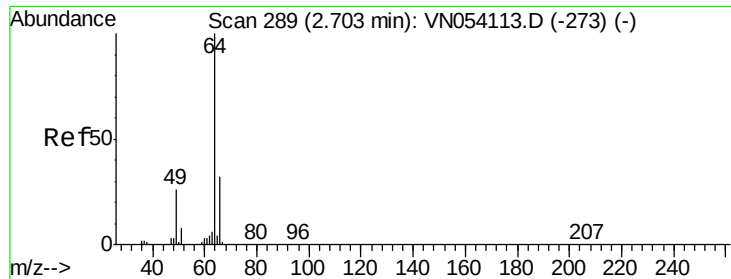
100

50

0

Time-->





#6

Chloroethane

Concen: 0.014 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.02 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

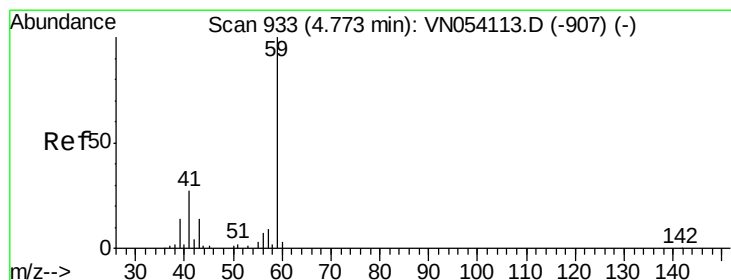
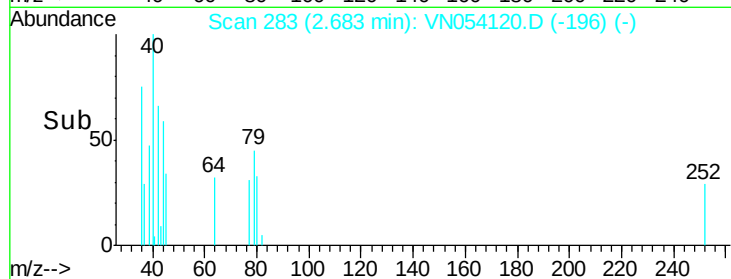
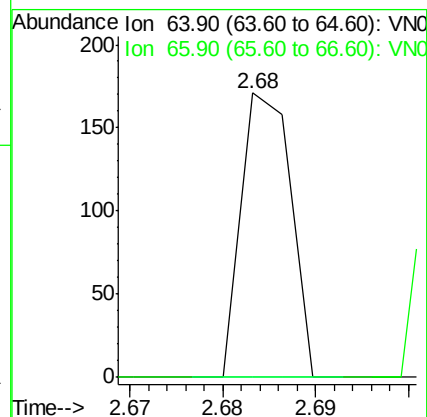
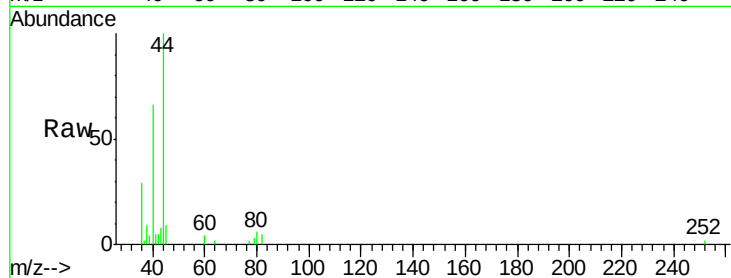
VN0306WBL01

Tot Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: 0.143 ug/l

RT: 4.60 min Scan# 879

Delta R.T. -0.17 min

Lab File: VN054120.D

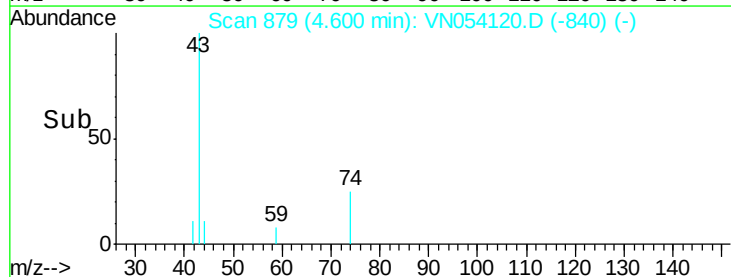
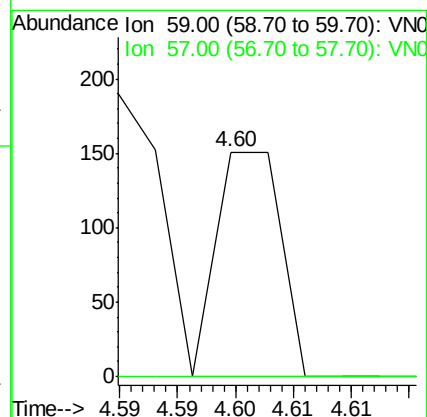
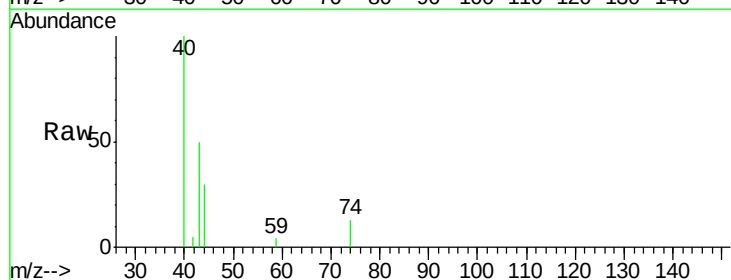
Acq: 6 Mar 2019 16:53

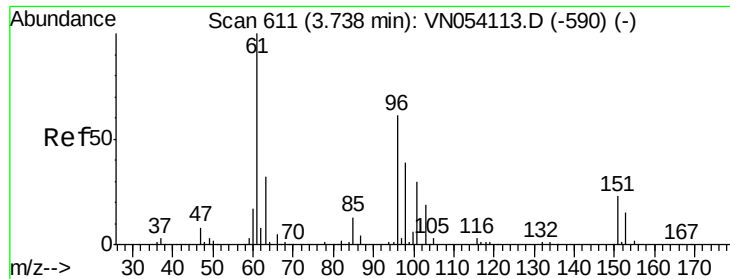
Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.012 ug/l

RT: 4.00 min Scan# 692

Delta R.T. 0.26 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

VN0306WBL01

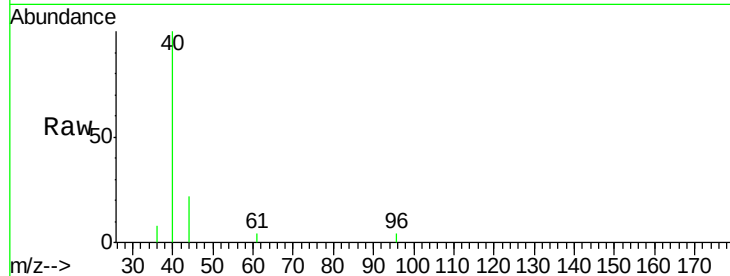
Tot Ion: 96 Resp: 62

Ion Ratio Lower Upper

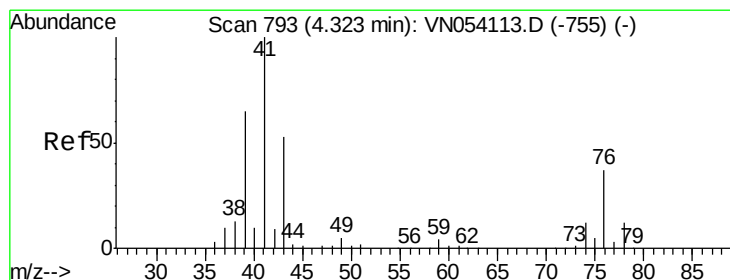
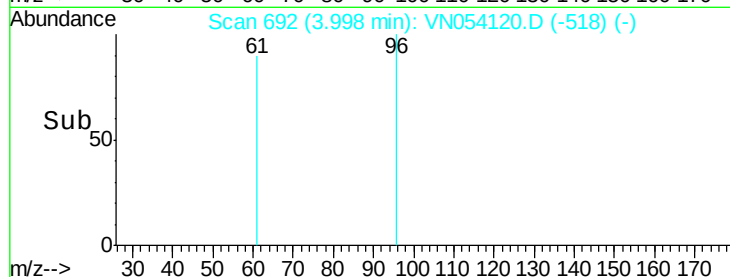
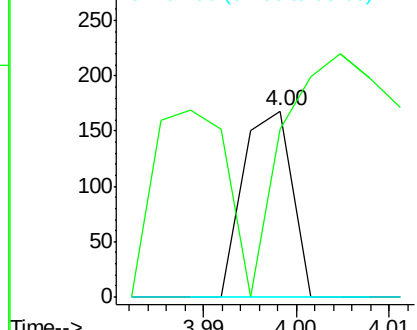
96 100

61 0.0 131.2 196.8#

98 0.0 50.7 76.1#



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#14

Allyl chloride

Concen: 0.003 ug/l

RT: 4.22 min Scan# 761

Delta R.T. -0.10 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

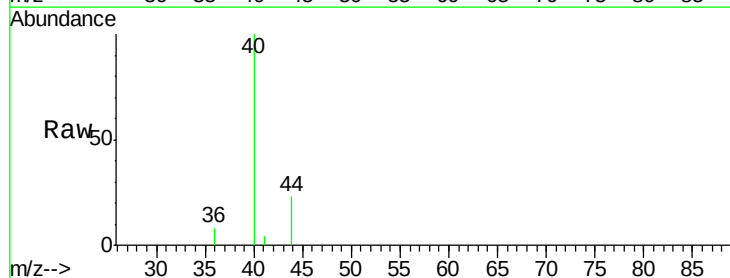
Tgt Ion: 41 Resp: 32

Ion Ratio Lower Upper

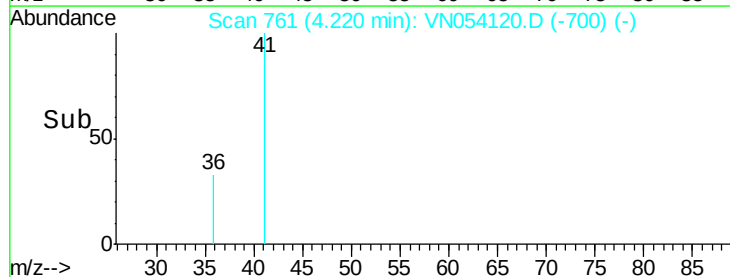
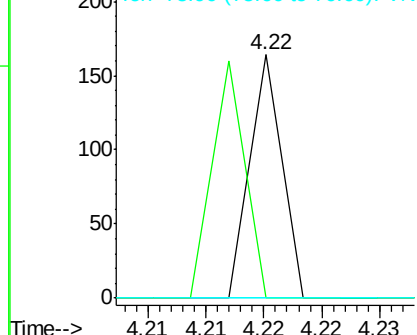
41 100

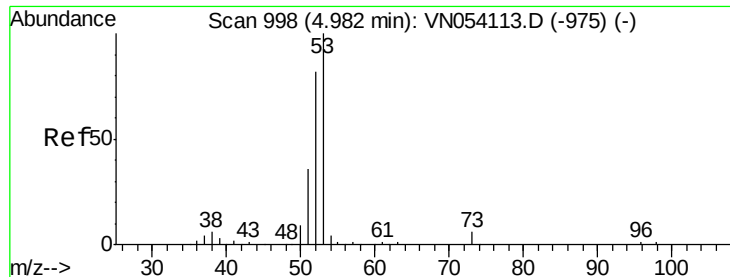
39 96.9 49.3 73.9#

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.027 ug/l

RT: 5.25 min Scan# 1081

Delta R.T. 0.27 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

VN0306WBL01

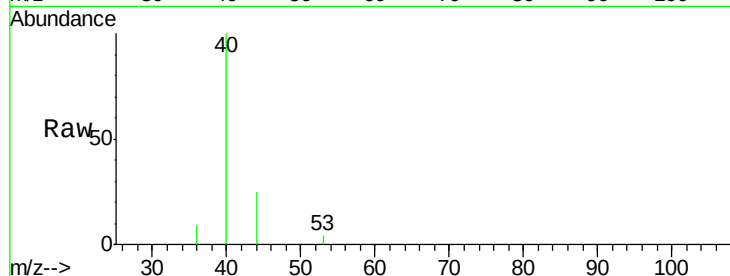
Tot Ion: 53 Resp: 61

Ion Ratio Lower Upper

53 100

52 49.2 64.6 97.0#

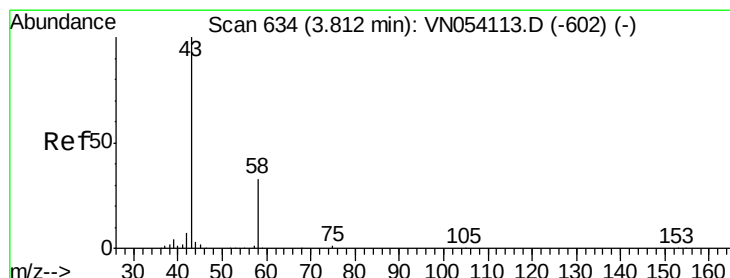
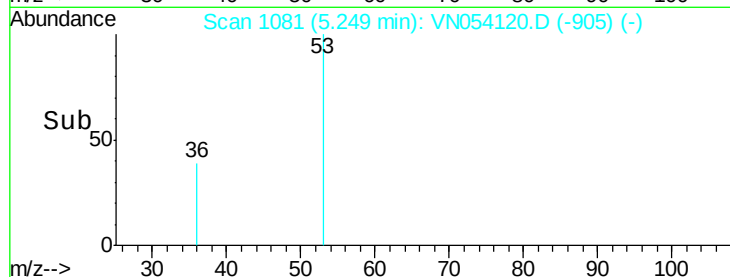
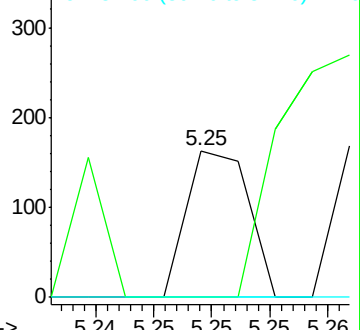
51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 0.086 ug/l

RT: 3.86 min Scan# 648

Delta R.T. 0.05 min

Lab File: VN054120.D

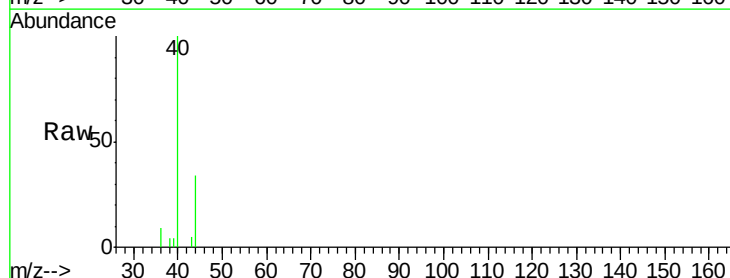
Acq: 6 Mar 2019 16:53

Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

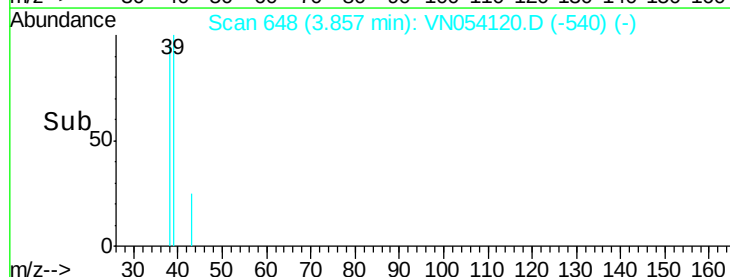
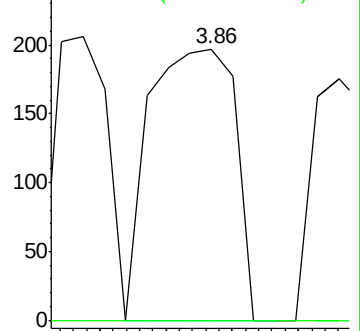
43 100

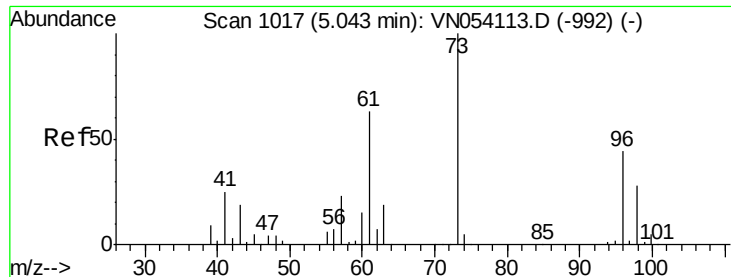
58 0.0 26.5 39.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

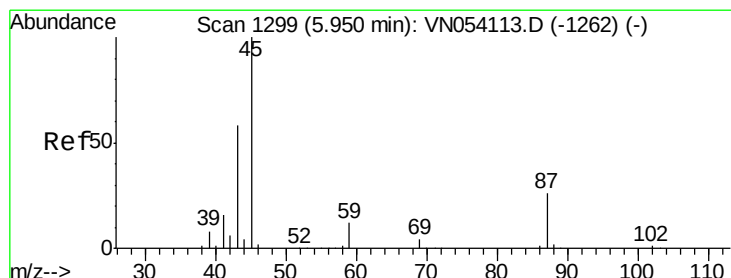
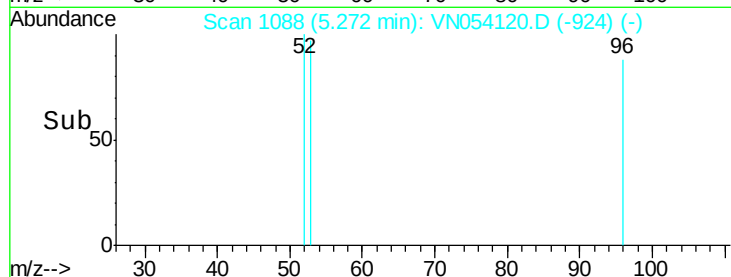
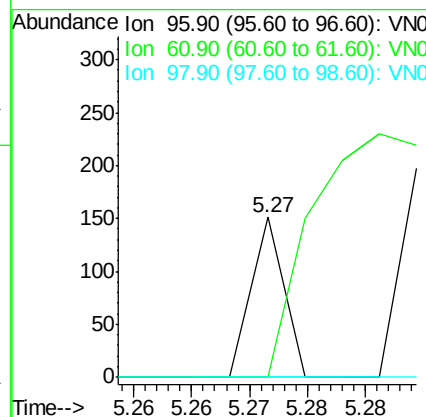
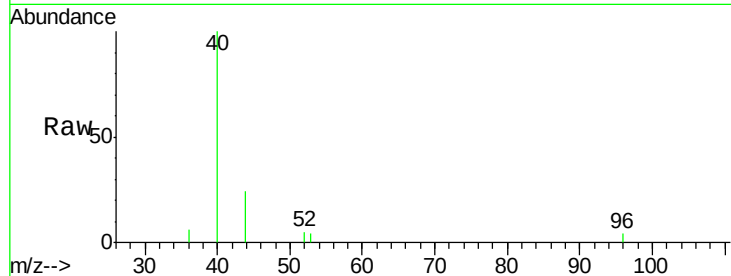




#21
trans-1,2-Dichloroethene
Concen: 0.005 ug/l
RT: 5.27 min Scan# 1088
Delta R.T. 0.23 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

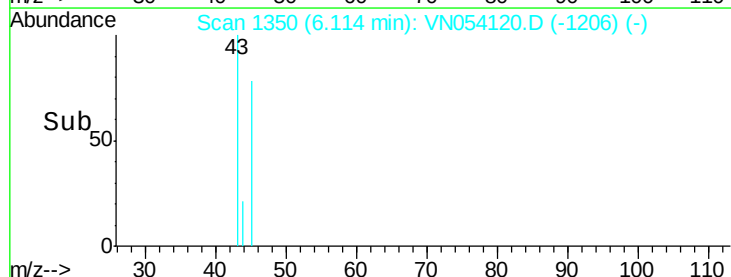
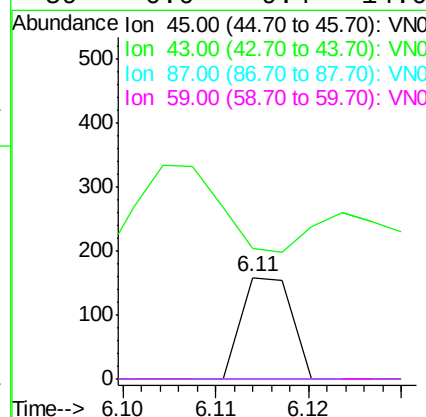
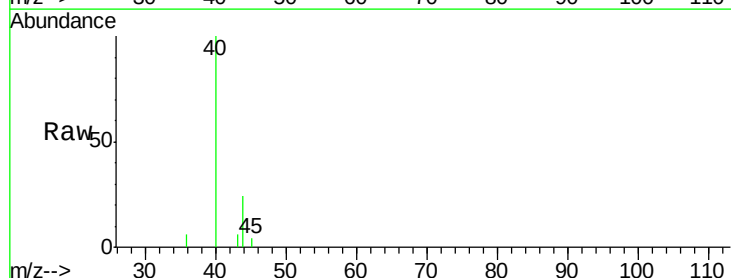
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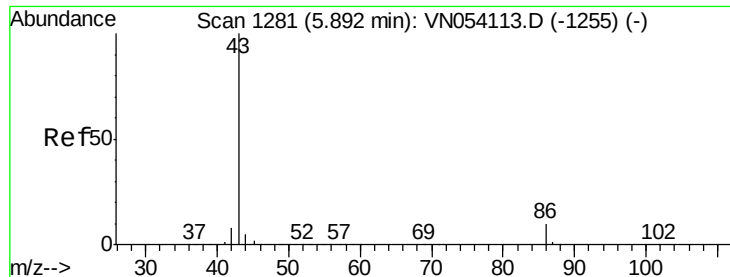
Tot Ion: 96 Resp: 29
Ion Ratio Lower Upper
96 100
61 0.0 114.8 172.2#
98 0.0 51.4 77.0#



#22
Diisopropyl ether
Concen: 0.003 ug/l
RT: 6.11 min Scan# 1350
Delta R.T. 0.16 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 45 Resp: 60
Ion Ratio Lower Upper
45 100
43 0.0 46.2 69.4#
87 0.0 20.6 31.0#
59 0.0 9.4 14.0#

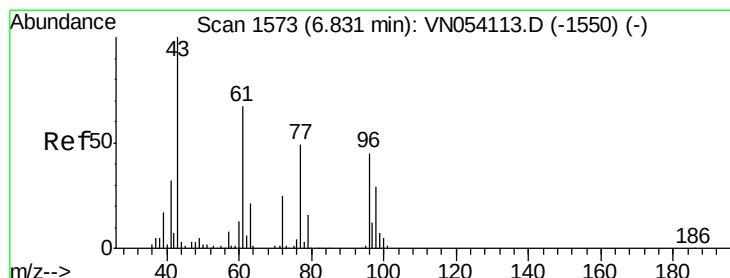
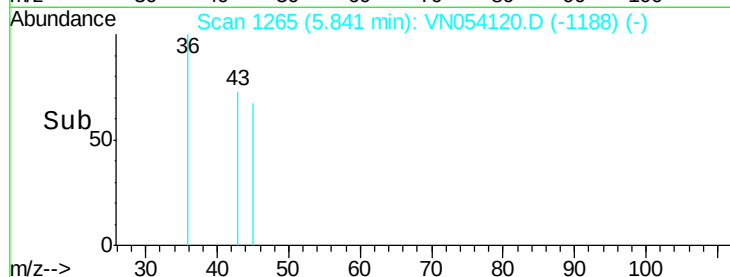
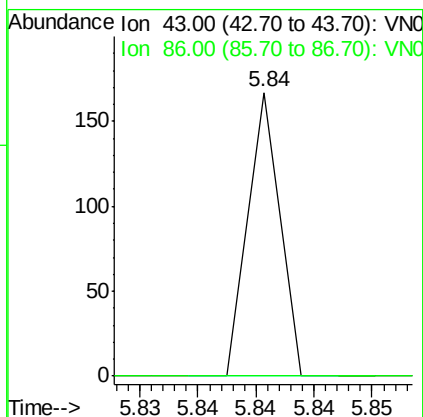
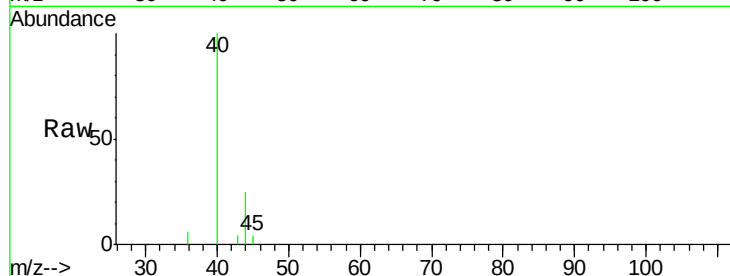




#23
 Vinyl Acetate
 Concen: 0.002 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.05 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

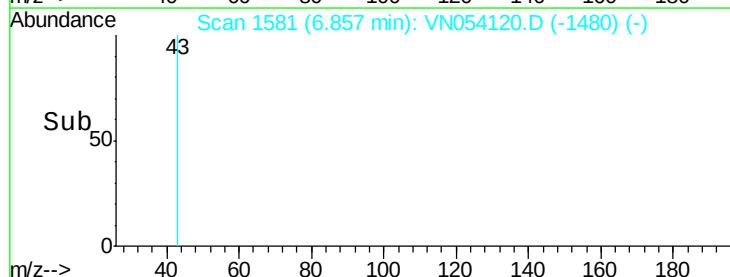
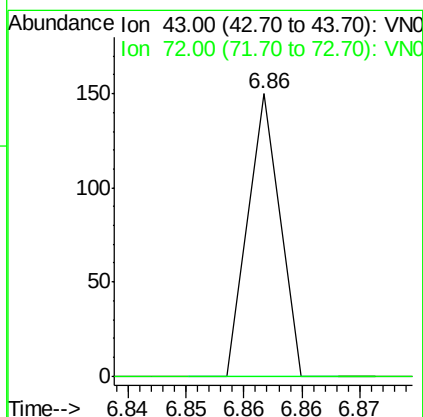
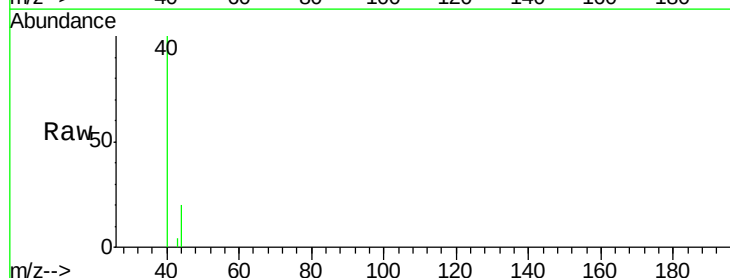
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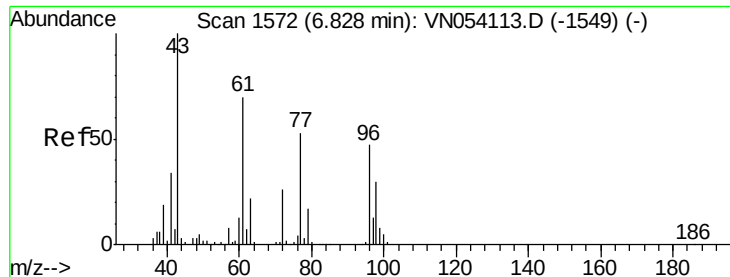
Tot Ion: 43 Resp: 32
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 0.011 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.03 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion: 43 Resp: 29
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.2#

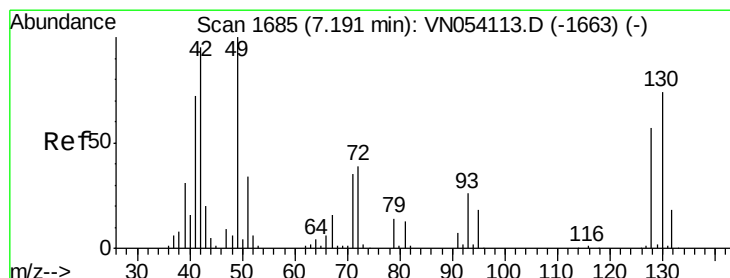
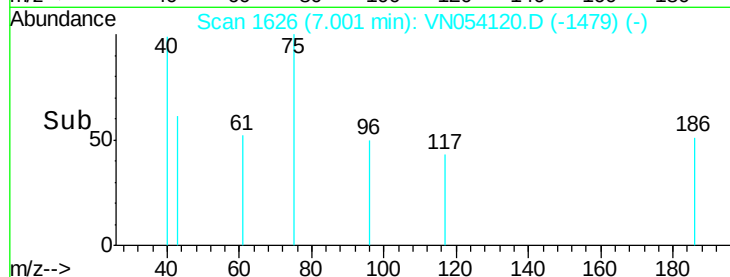
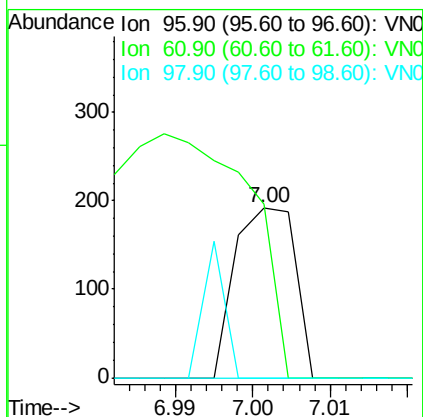
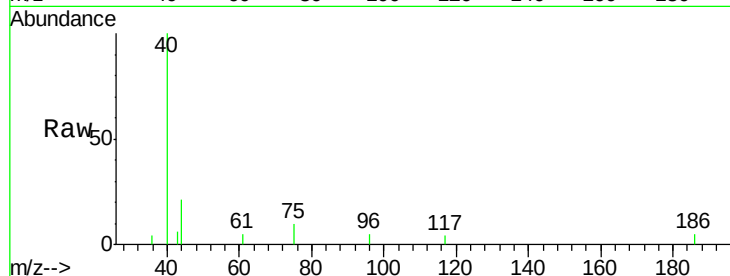




#27
 cis-1,2-Dichloroethene
 Concen: 0.016 ug/l
 RT: 7.00 min Scan# 1626
 Delta R.T. 0.17 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

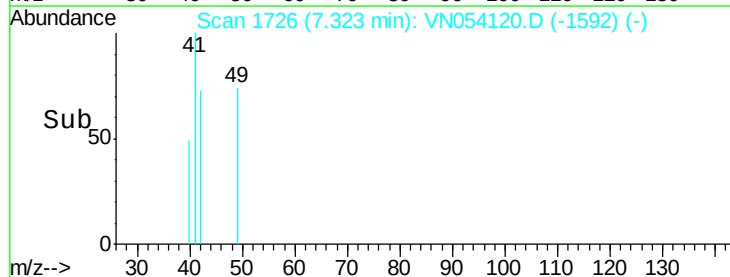
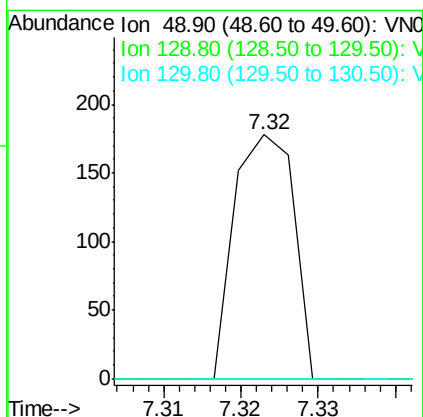
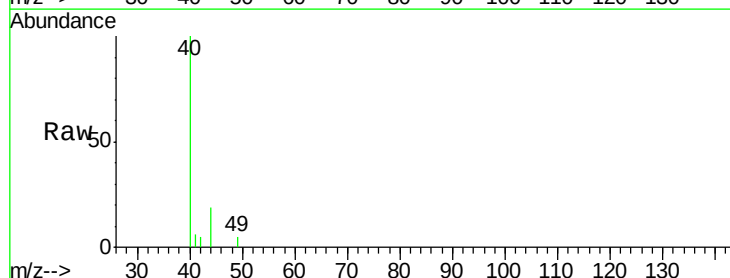
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBL01

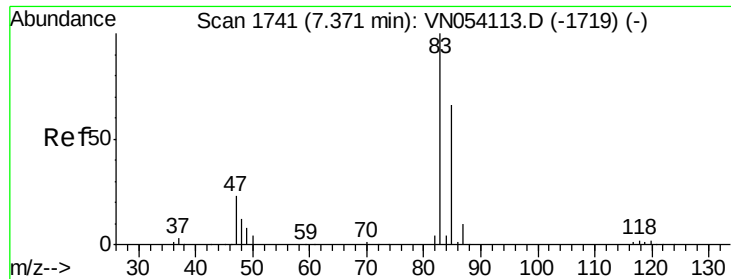
Tot Ion: 96 Resp: 104
 Ion Ratio Lower Upper
 96 100
 61 350.0 0.0 297.0#
 98 28.8 0.0 129.4



#28
 Bromochloromethane
 Concen: 0.017 ug/l
 RT: 7.32 min Scan# 1726
 Delta R.T. 0.13 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion: 49 Resp: 95
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 59.4 89.2#

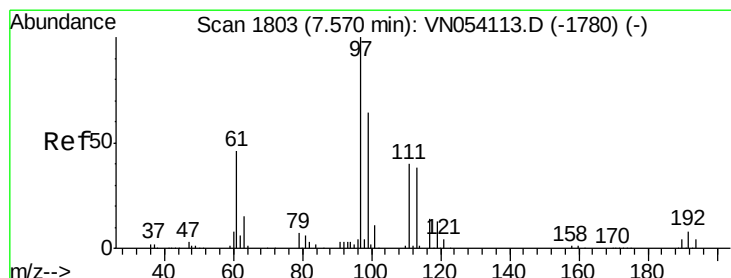
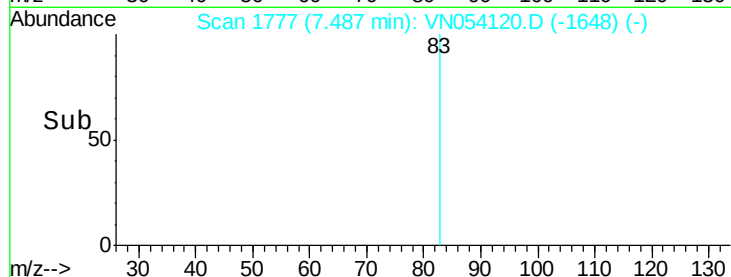
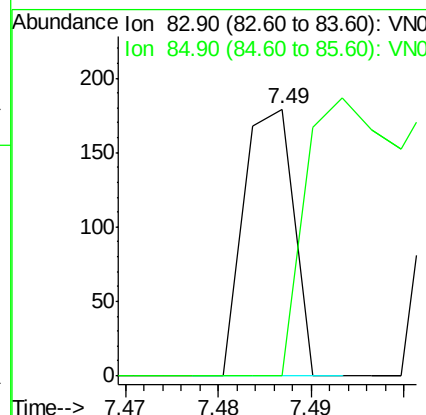
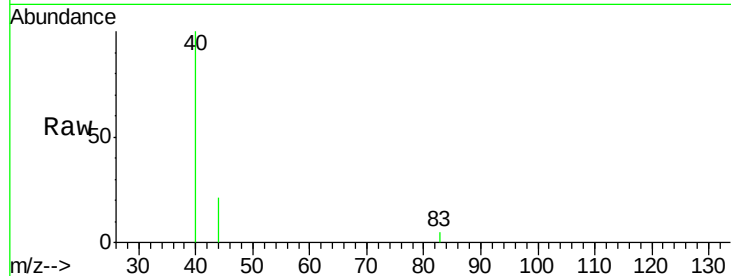




#30
Chloroform
Concen: 0.006 ug/l
RT: 7.49 min Scan# 1777
Delta R.T. 0.12 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

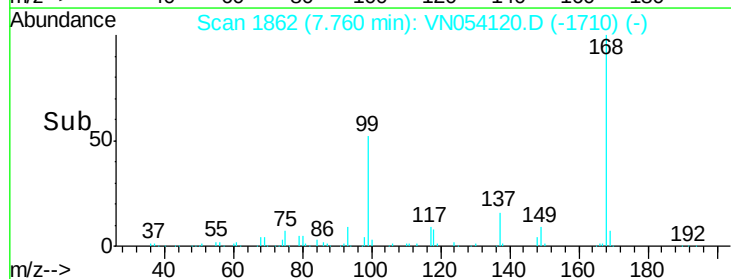
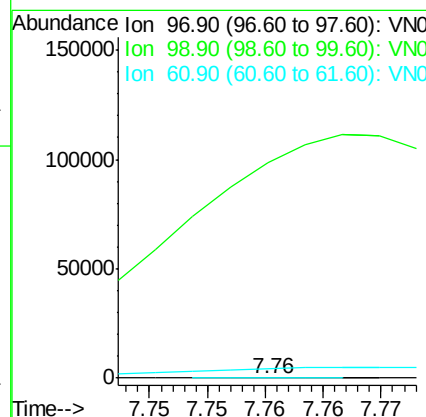
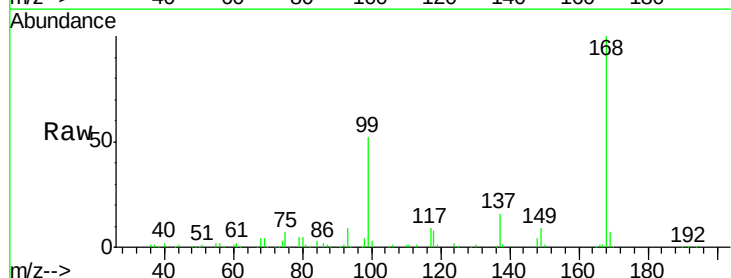
Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

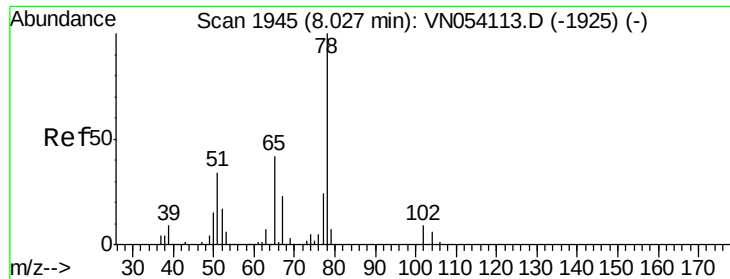
Tot Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
85 0.0 53.1 79.7#



#32
1,1,1-Trichloroethane
Concen: 0.003 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.19 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 97 Resp: 31
Ion Ratio Lower Upper
97 100
99 924880.6 51.2 76.8#
61 37525.8 37.1 55.7#

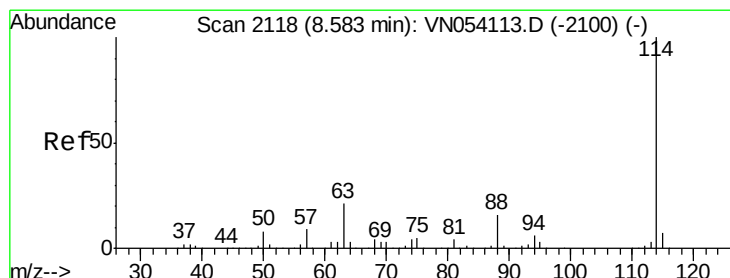
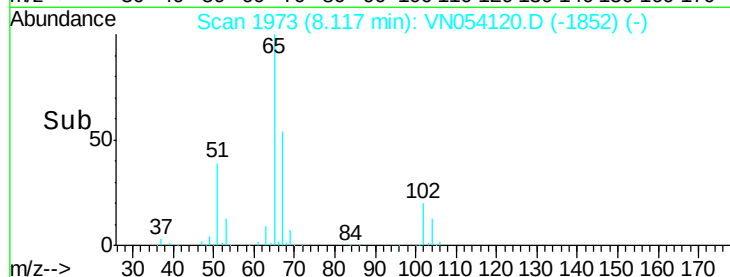
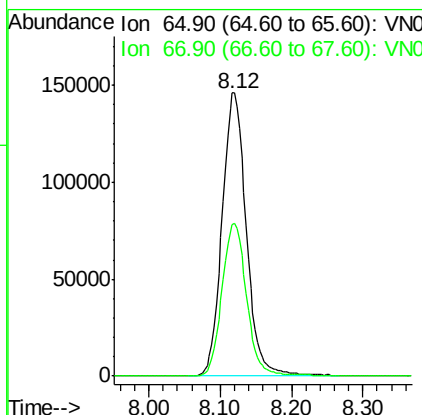
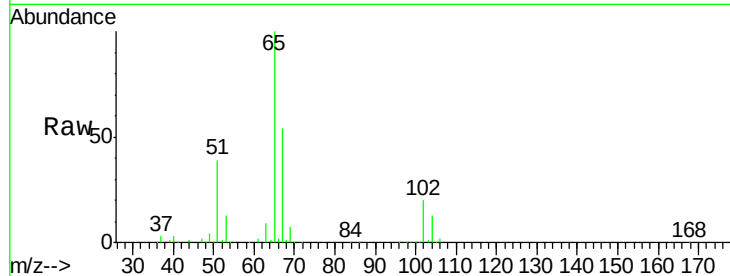




#33
 1,2-Dichloroethane-d4
 Concen: 51.782 ug/l
 RT: 8.12 min Scan# 1973
 Delta R.T. 0.09 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

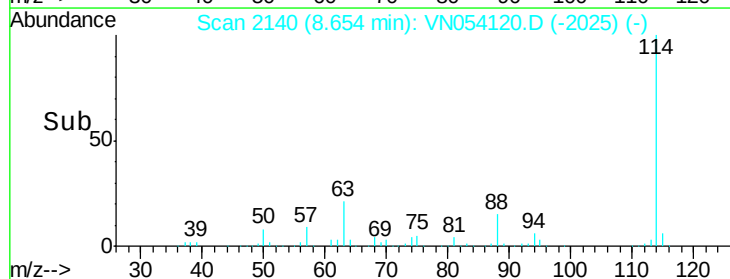
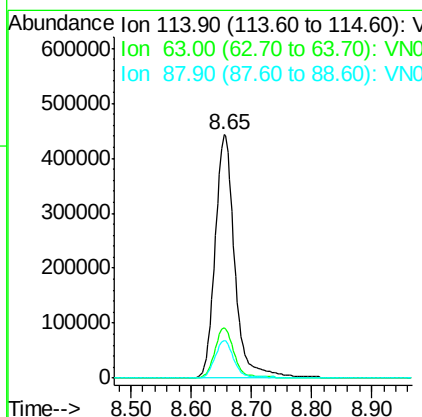
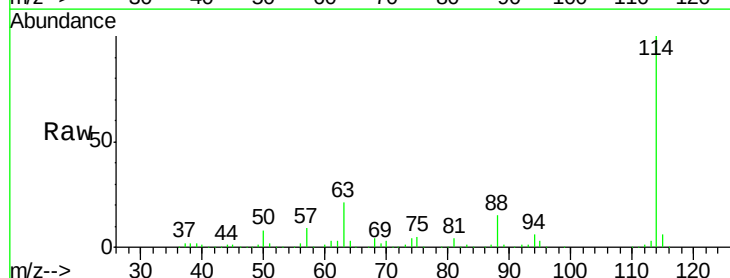
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBL01

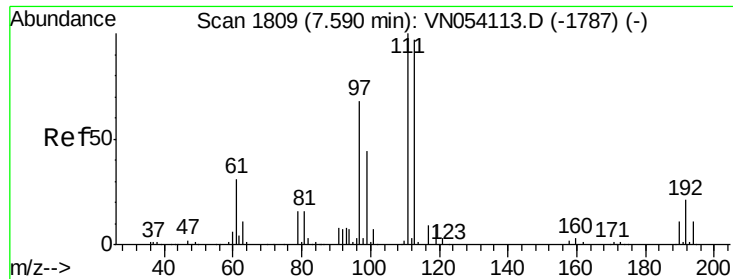
Tot Ion: 65 Resp: 346197
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.07 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion: 114 Resp: 986028
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 15.5 0.0 31.8

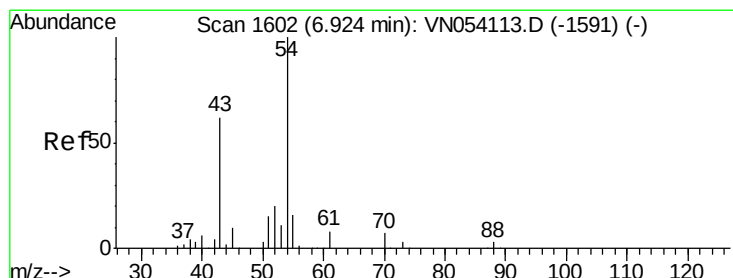
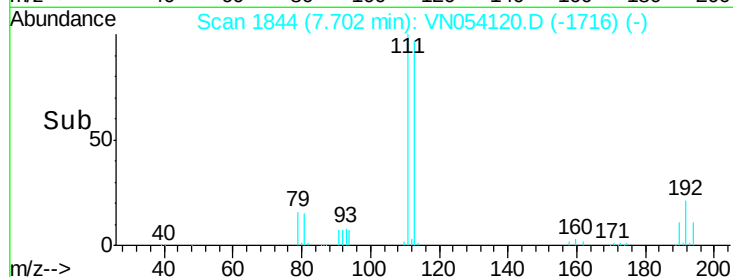
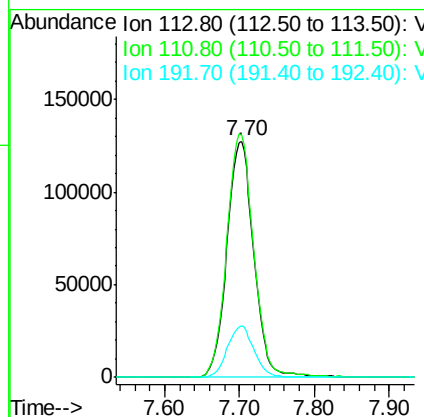
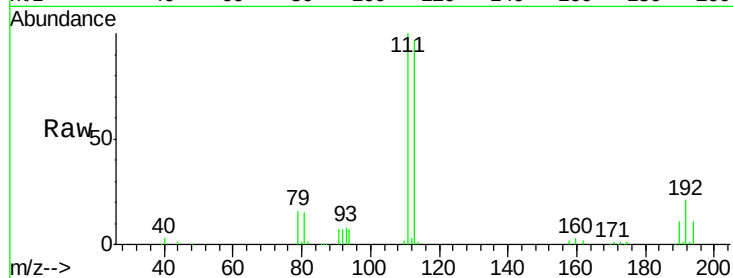




#35
Dibromofluoromethane
Concen: 49.543 ug/l
RT: 7.70 min Scan# 1844
Delta R.T. 0.11 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

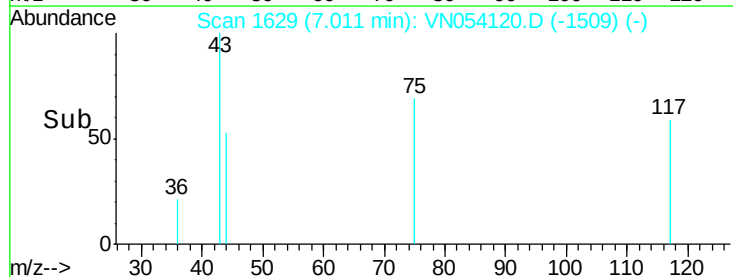
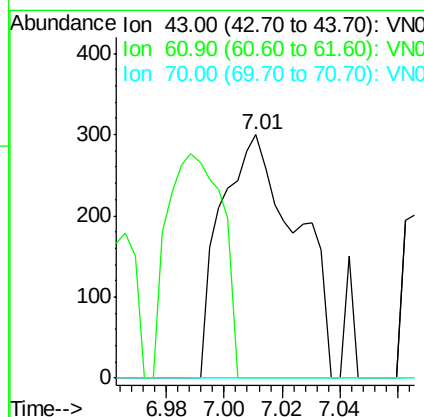
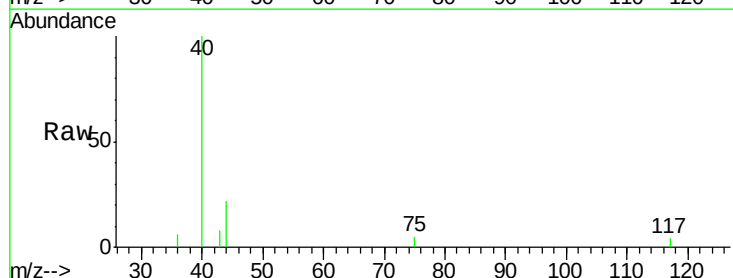
Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

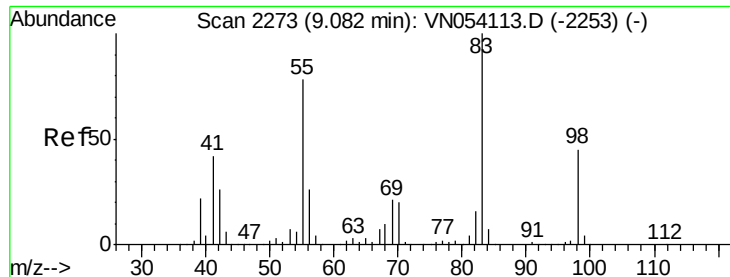
Tot Ion:113 Resp: 317277
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 21.4 17.4 26.0



#37
Ethyl Acetate
Concen: 0.082 ug/l
RT: 7.01 min Scan# 1629
Delta R.T. 0.09 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 7.6 11.4#

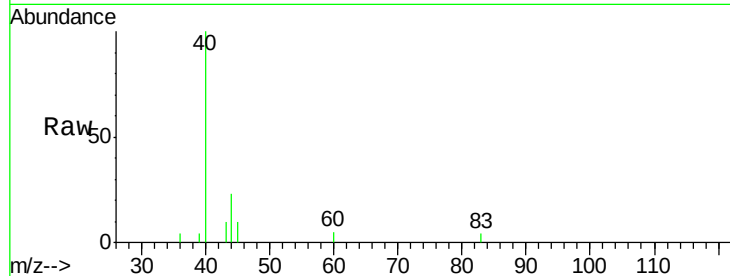




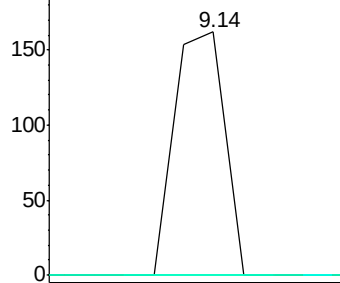
#39
Methylvlcyclohexane
Concen: 0.006 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. 0.06 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBL01

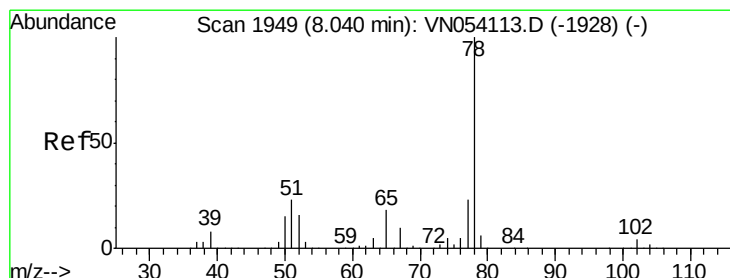
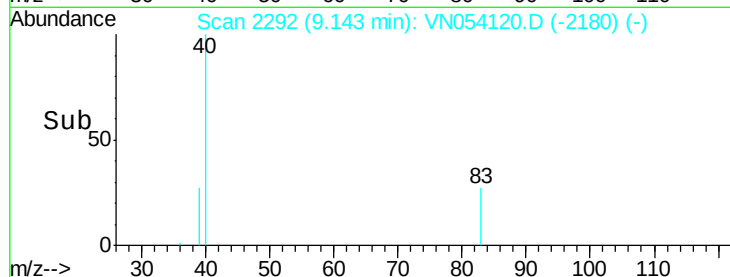
Tot Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 36.0 54.0#



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

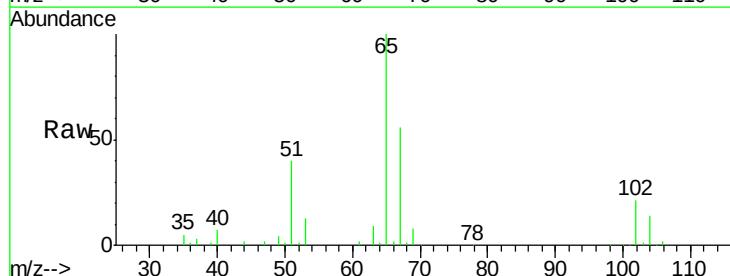


Time-->

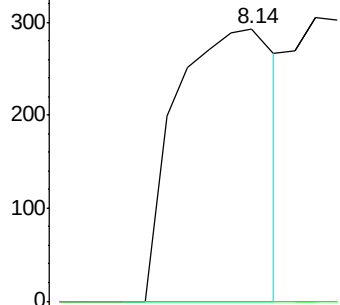


#40
Benzene
Concen: 0.011 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.10 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

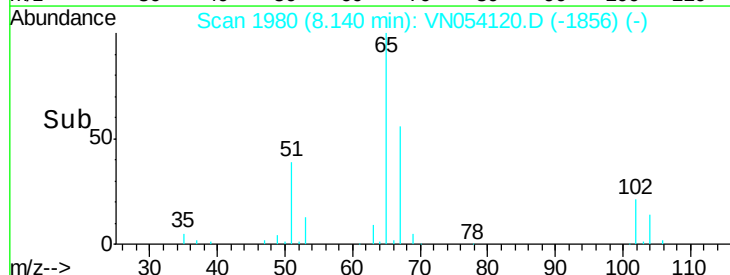
Tgt Ion: 78 Resp: 303
Ion Ratio Lower Upper
78 100
77 0.0 18.7 28.1#

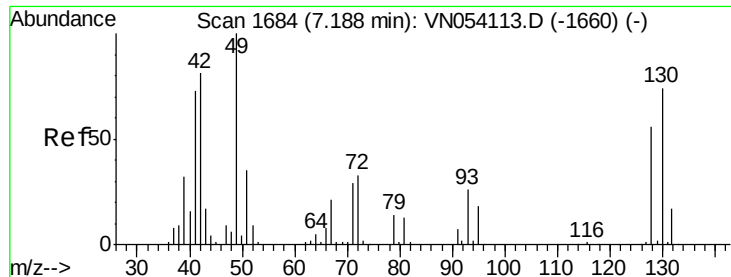


Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0



Time-->





#41

Methacrylonitrile

Concen: 0.058 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. 0.14 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBL01

Tot Ion: 41 Resp: 201

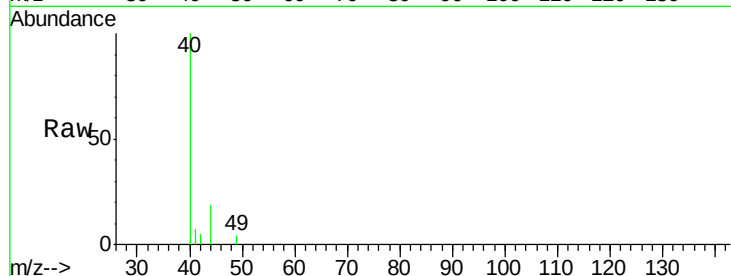
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

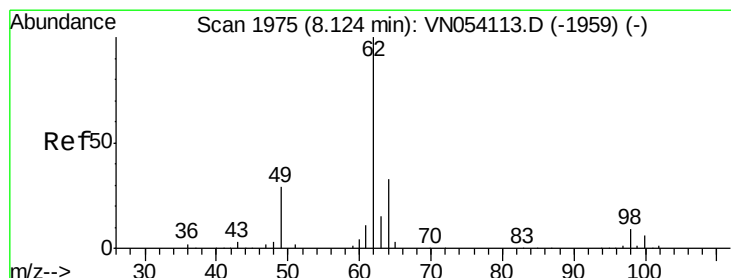
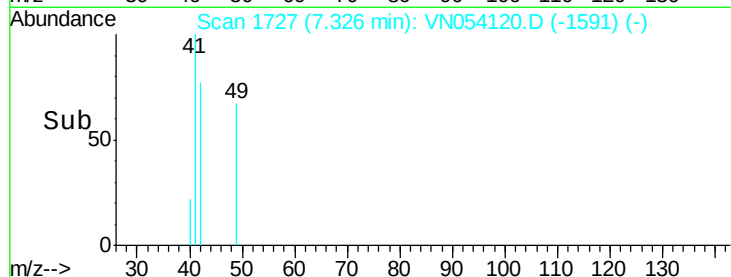
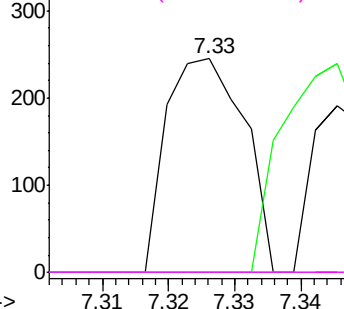


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.012 ug/l

RT: 8.21 min Scan# 2002

Delta R.T. 0.09 min

Lab File: VN054120.D

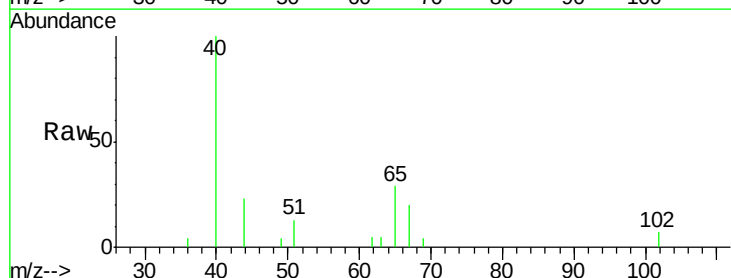
Acq: 6 Mar 2019 16:53

Tgt Ion: 62 Resp: 104

Ion Ratio Lower Upper

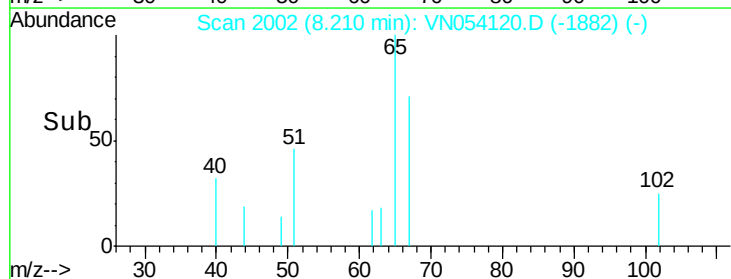
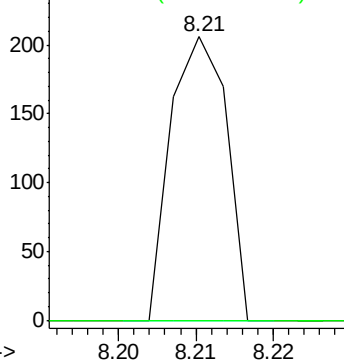
62 100

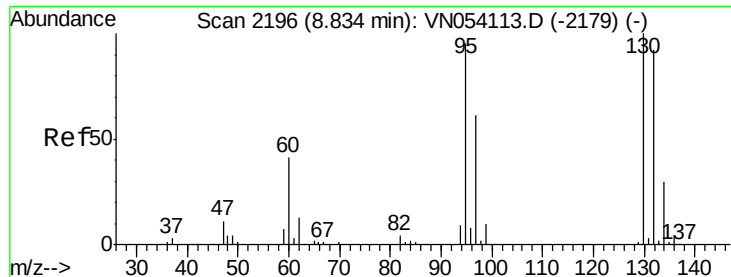
98 0.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#44

Trichloroethene

Concen: 0.040 ug/l

RT: 8.90 min Scan# 2217

Delta R.T. 0.07 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

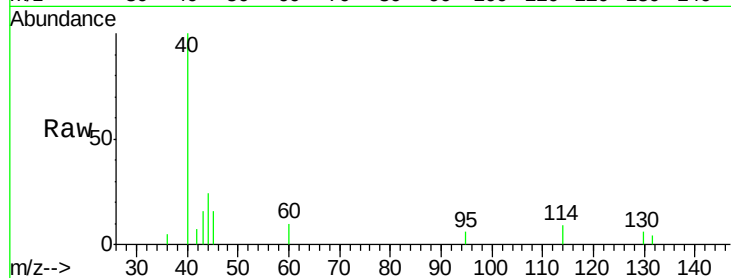
VN0306WBL01

Tot Ion:130 Resp: 292

Ion Ratio Lower Upper

130 100

95 112.8 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.90

250

200

150

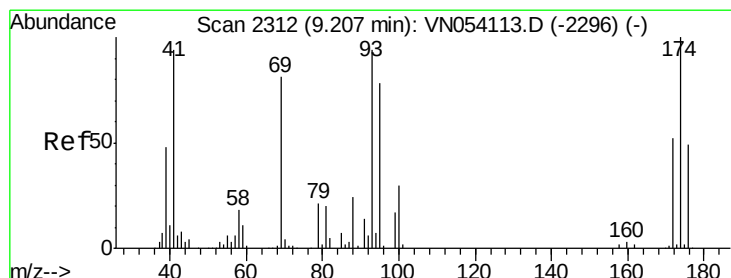
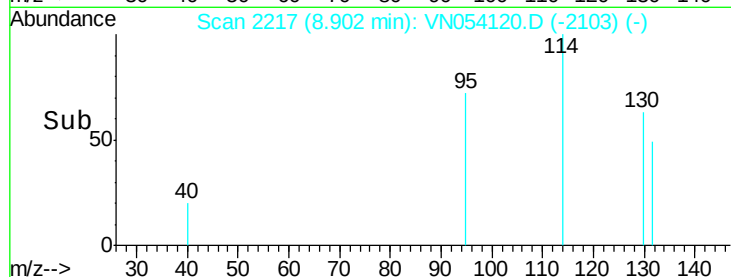
100

50

0

8.88 8.90 8.92

Time-->



#46

Dibromomethane

Concen: 0.014 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.05 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

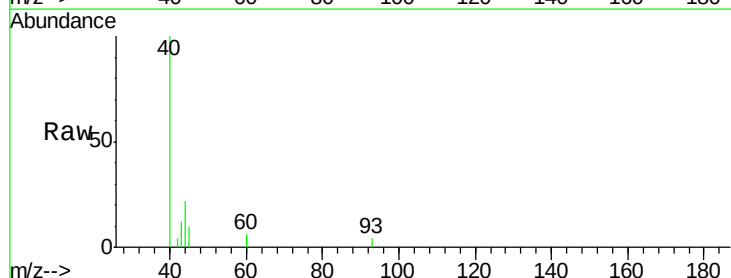
Tgt Ion: 93 Resp: 59

Ion Ratio Lower Upper

93 100

95 0.0 66.1 99.1#

174 0.0 86.1 129.1#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200

150

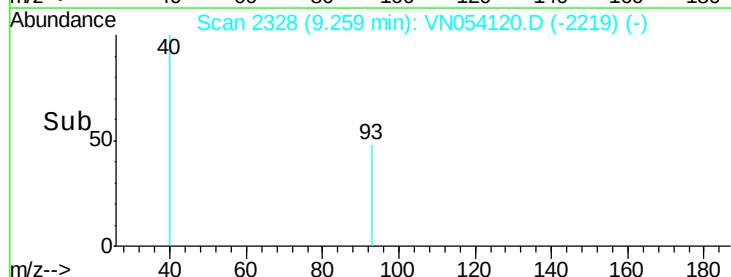
100

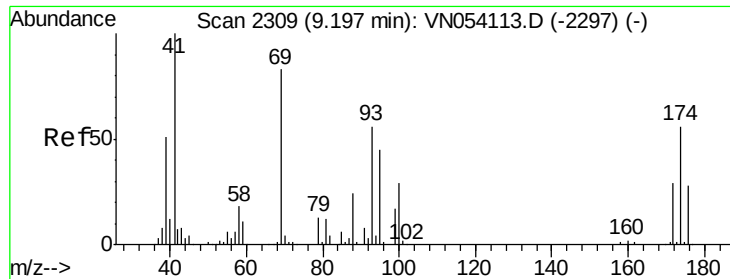
50

0

9.25 9.26 9.27

Time-->

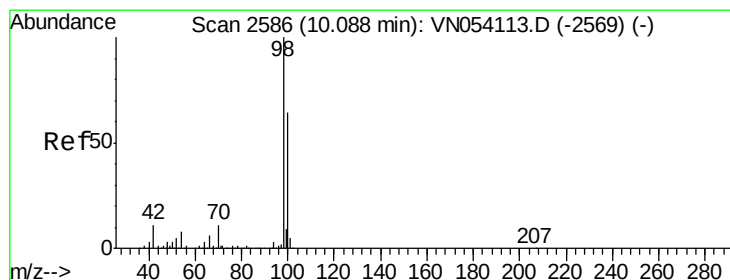
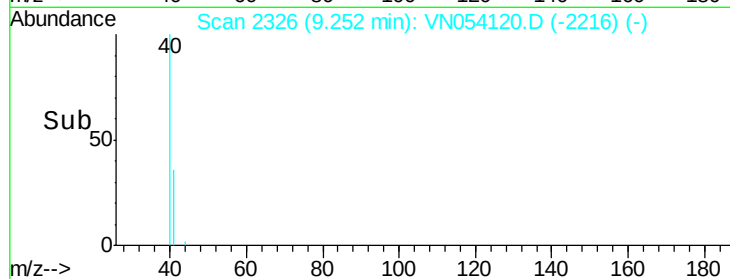
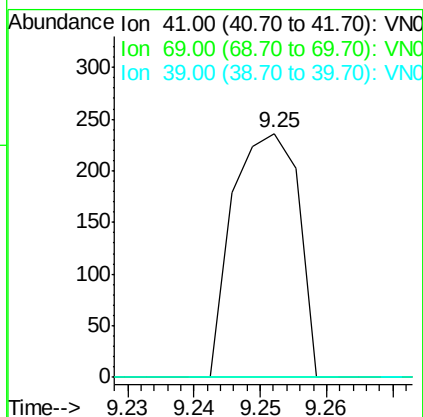
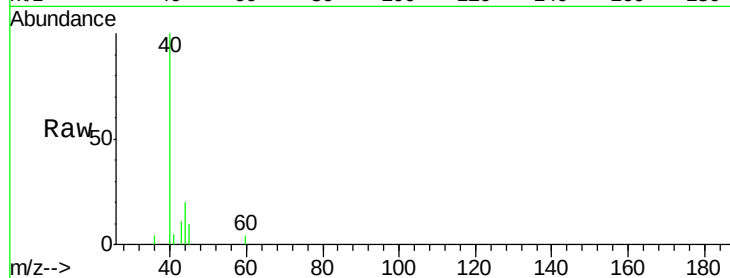




#48
Methvl methacrylate
Concen: 0.032 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.05 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

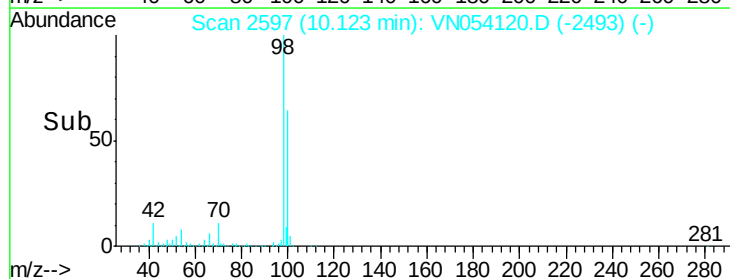
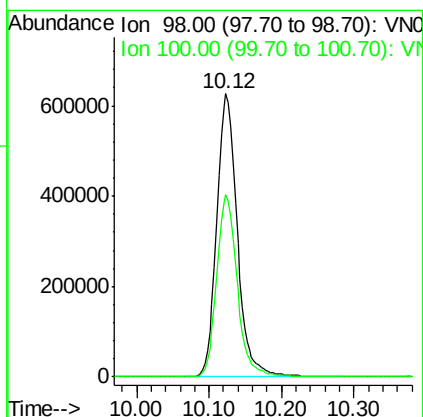
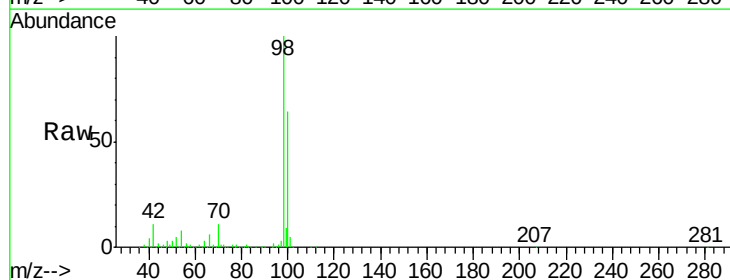
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBL01

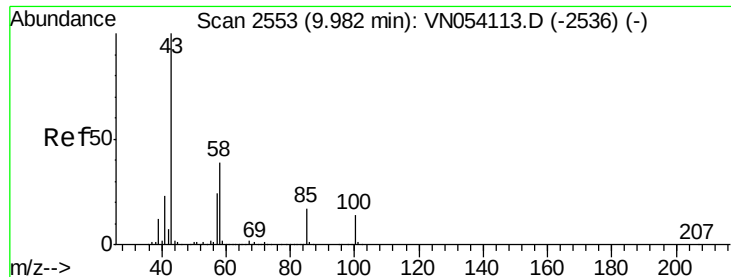
Tot Ion: 41 Resp: 162
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.4#
39 0.0 43.7 65.5#



#50
Toluene-d8
Concen: 50.639 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.04 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 98 Resp: 1231480
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.027 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.10 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

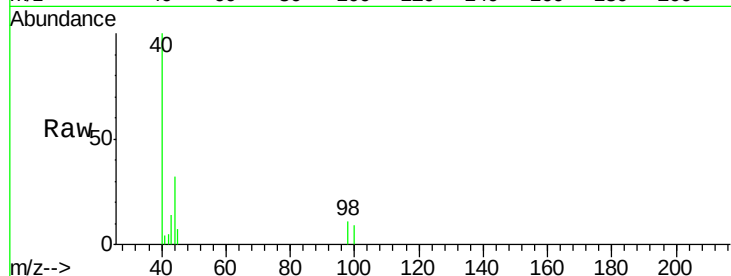
VN0306WBL01

Tot Ion: 43 Resp: 158

Ion Ratio Lower Upper

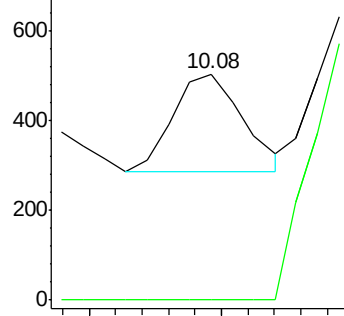
43 100

58 0.0 30.8 46.2#

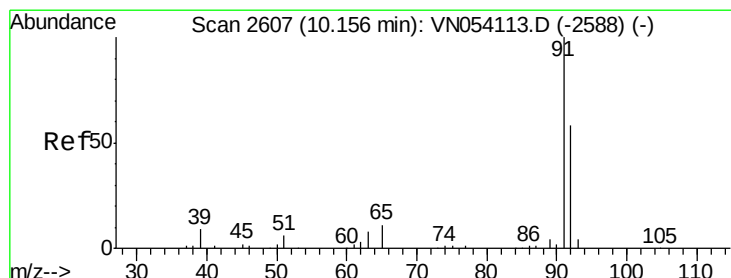
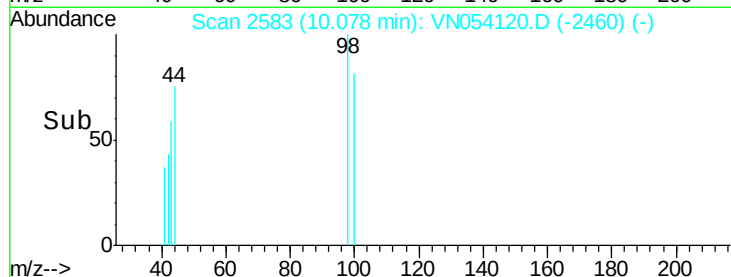


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 0.023 ug/l

RT: 10.20 min Scan# 2621

Delta R.T. 0.04 min

Lab File: VN054120.D

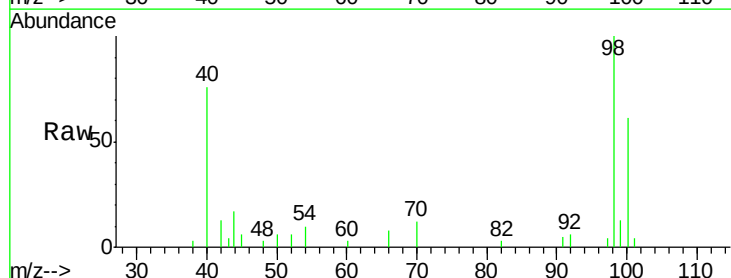
Acq: 6 Mar 2019 16:53

Tgt Ion: 92 Resp: 377

Ion Ratio Lower Upper

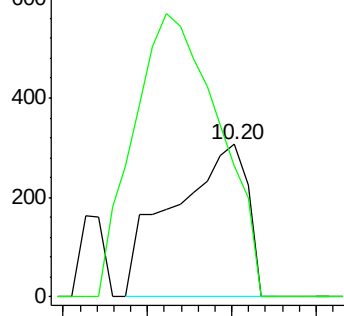
92 100

91 213.0 139.0 208.6#

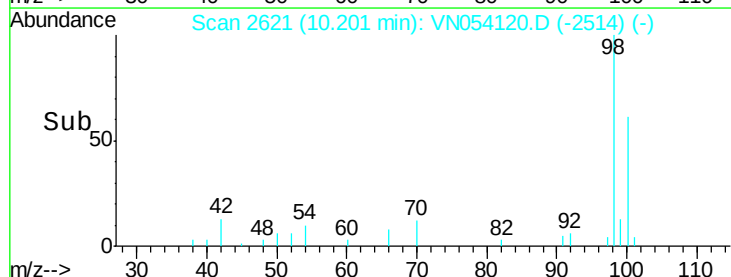


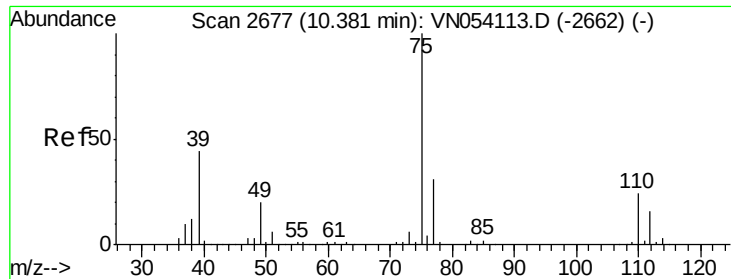
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 0.057 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.04 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

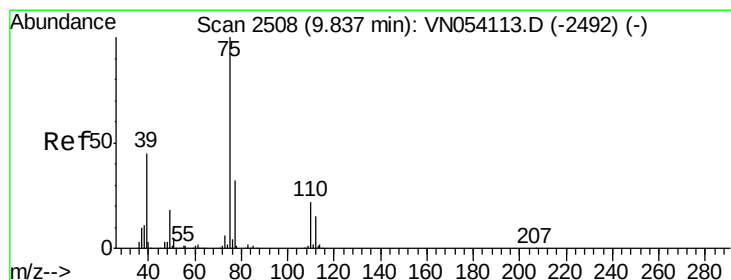
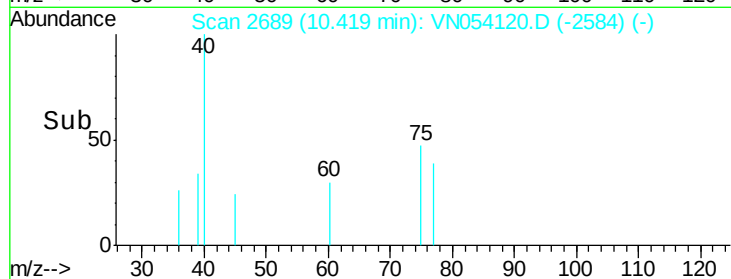
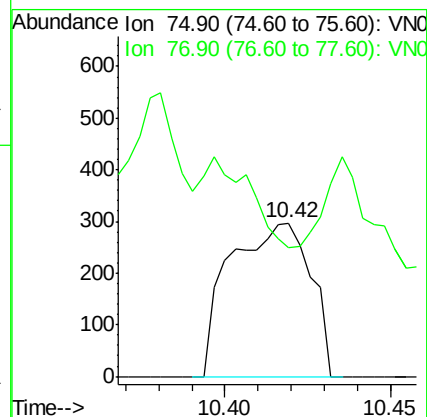
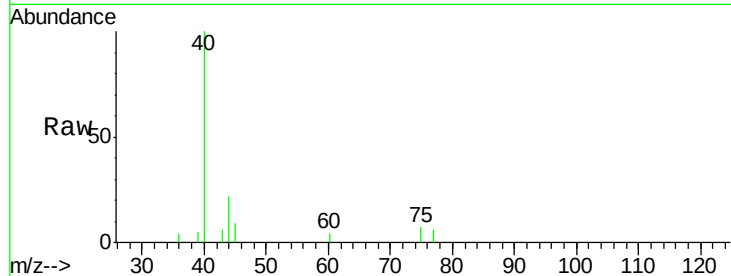
VN0306WBL01

Tot Ion: 75 Resp: 504

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



#54

cis-1,3-Dichloropropene

Concen: 0.011 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.04 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

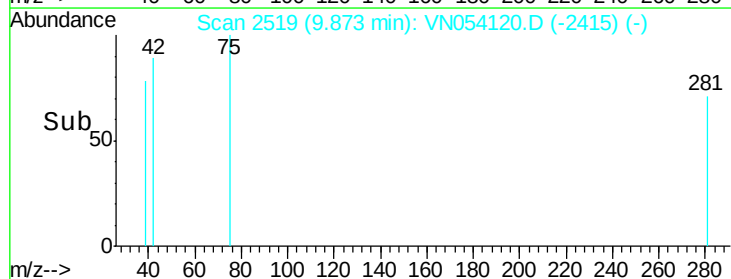
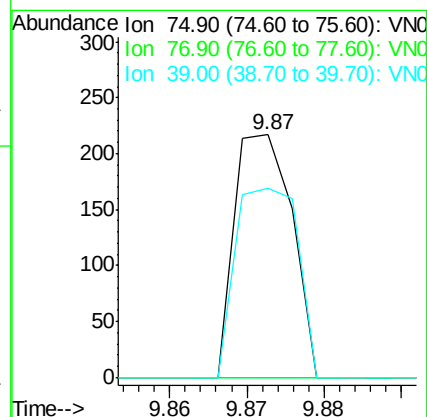
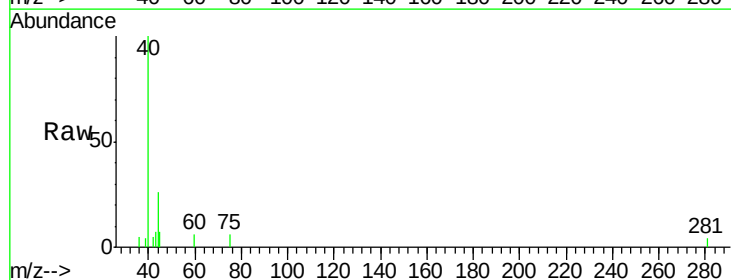
Tgt Ion: 75 Resp: 112

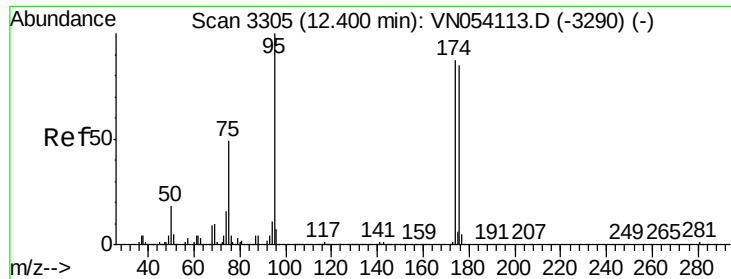
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 77.9 36.2 54.2#

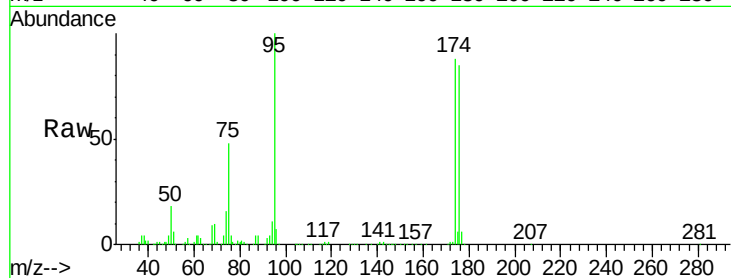




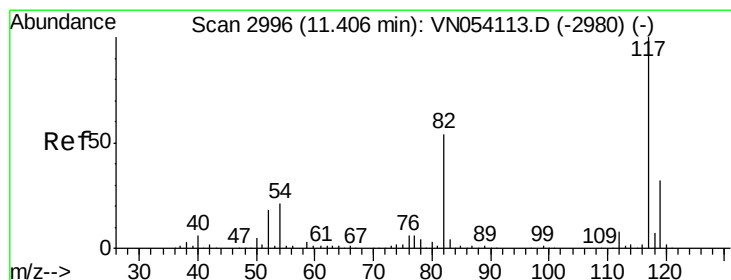
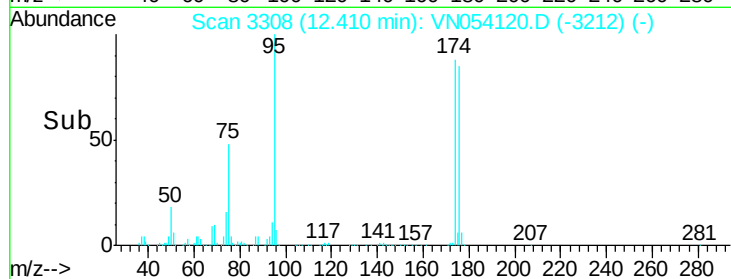
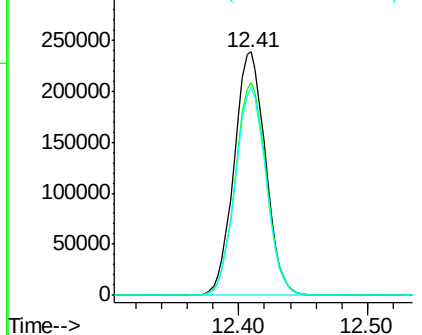
#62
4-Bromofluorobenzene
Concen: 50.908 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBL01

Tot Ion: 95 Resp: 403063
Ion Ratio Lower Upper
95 100
174 87.1 0.0 173.2
176 84.2 0.0 168.8

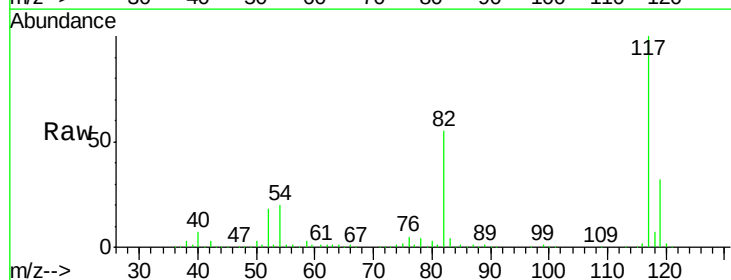


Abundance Ion 94.90 (94.60 to 95.60): VN054120.D (-3212) (-)
Ion 173.80 (173.50 to 174.50): VN054120.D (-3212) (-)
Ion 175.80 (175.50 to 176.50): VN054120.D (-3212) (-)

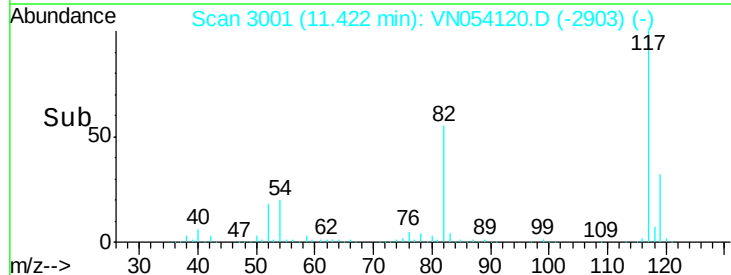
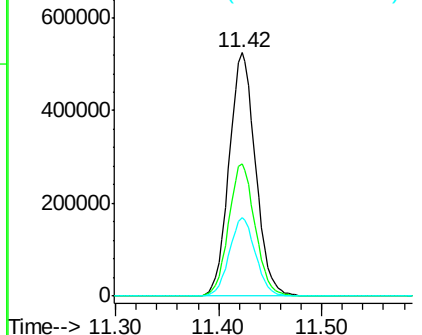


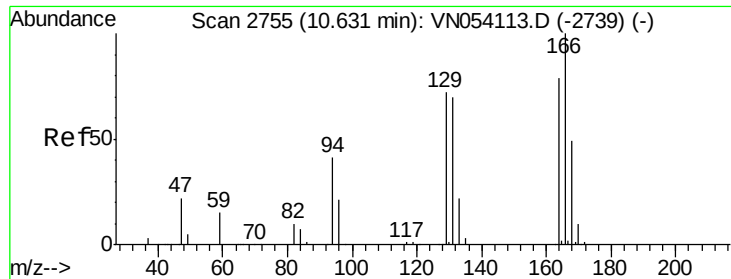
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.02 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 117 Resp: 935459
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.2
119 32.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN054120.D (-2903) (-)
Ion 82.00 (81.70 to 82.70): VN054120.D (-2903) (-)
Ion 118.90 (118.60 to 119.60): VN054120.D (-2903) (-)

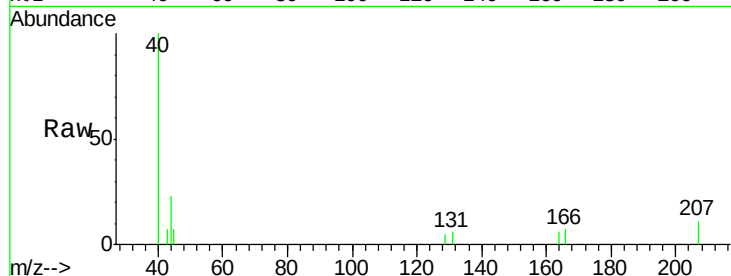




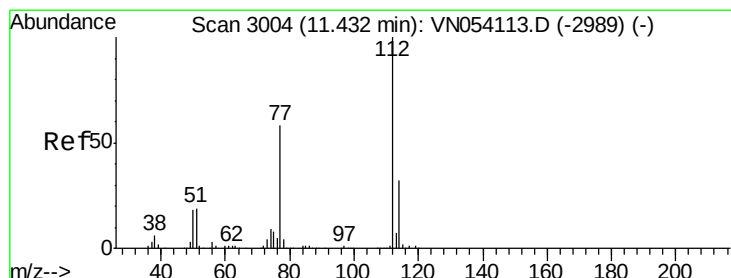
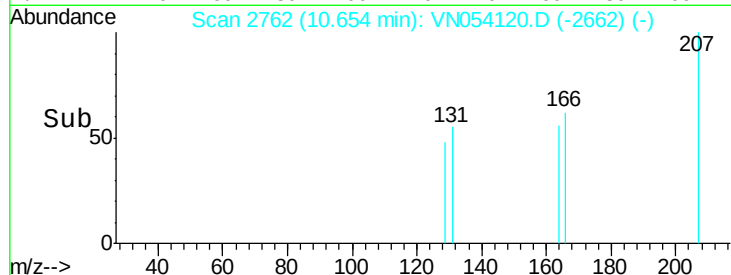
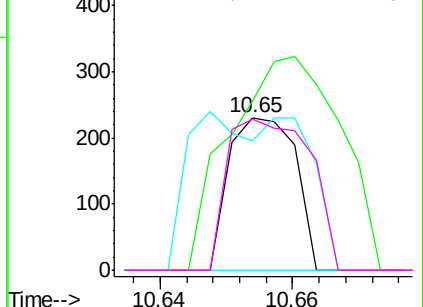
#64
Tetrachloroethene
Concen: 0.021 ug/l
RT: 10.65 min Scan# 2762
Delta R.T. 0.02 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

Tot Ion:164 Resp: 162
Ion Ratio Lower Upper
164 100
166 110.4 101.3 151.9
129 84.8 73.2 109.8
131 98.7 70.8 106.2

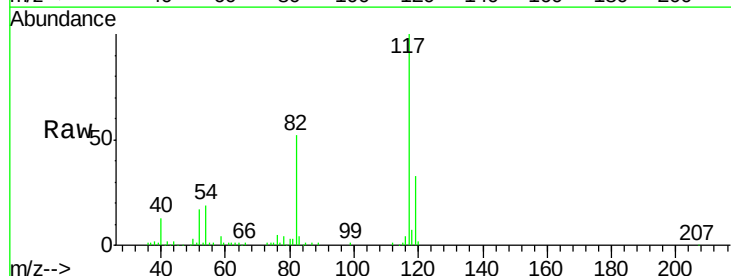


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

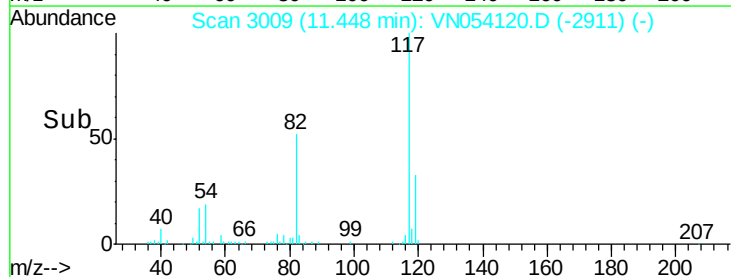
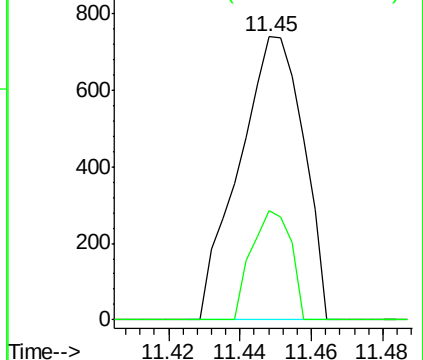


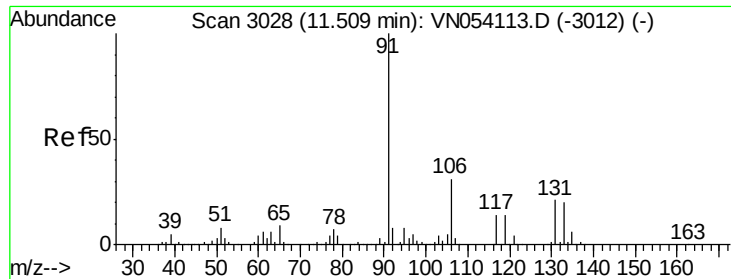
#65
Chlorobenzene
Concen: 0.047 ug/l
RT: 11.45 min Scan# 3009
Delta R.T. 0.02 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion:112 Resp: 919
Ion Ratio Lower Upper
112 100
114 38.5 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

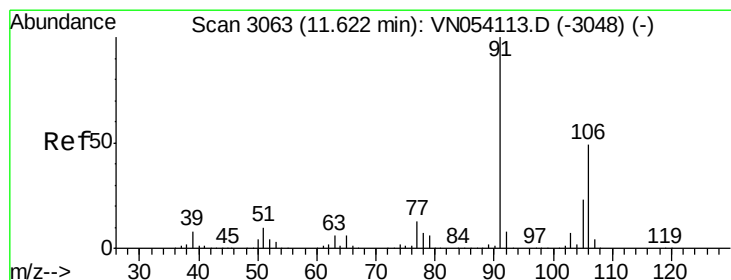
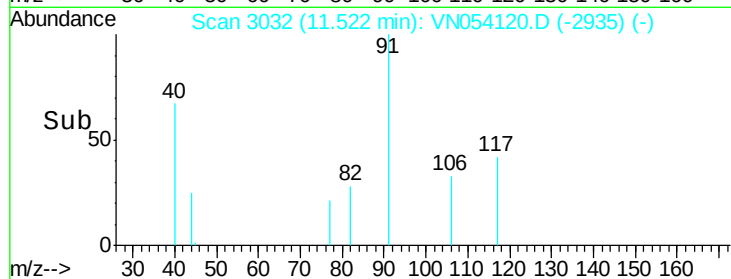
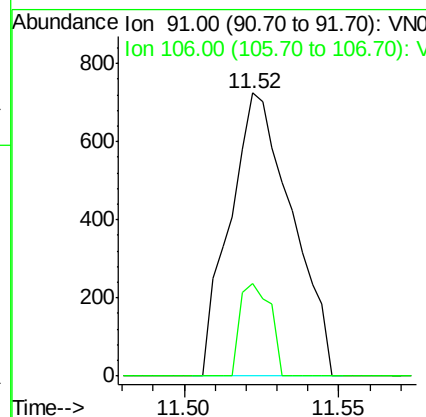
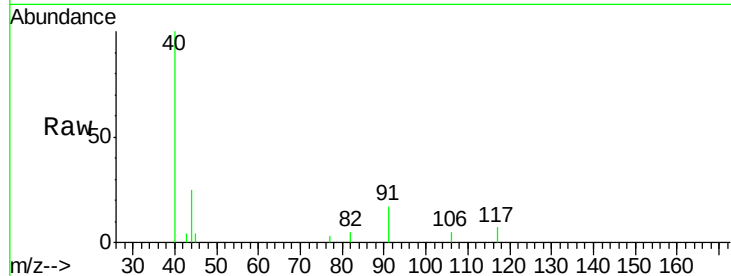




#67
Ethyl Benzene
Concen: 0.031 ug/l
RT: 11.52 min Scan# 3032
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

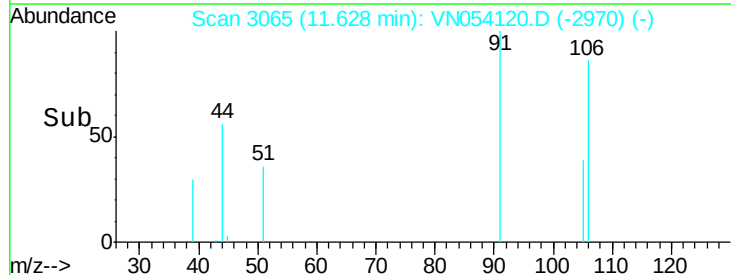
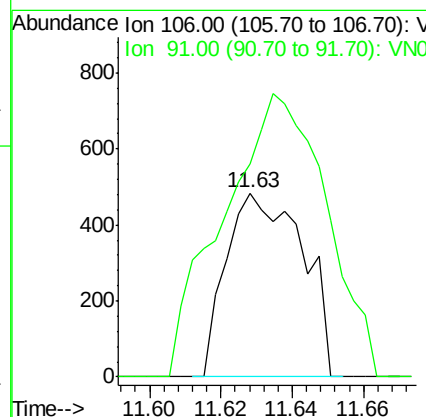
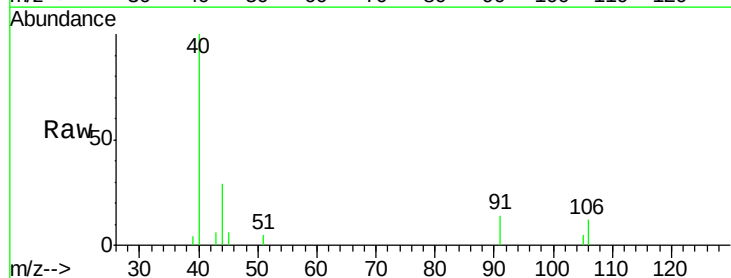
Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

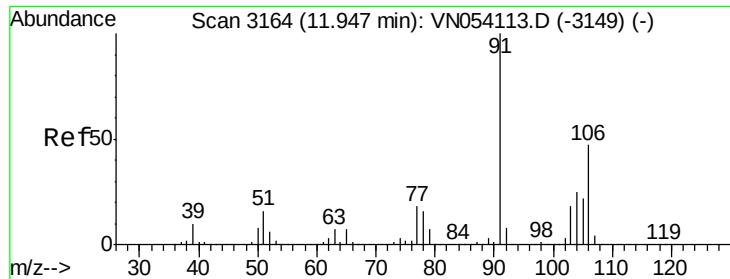
Tot Ion: 91 Resp: 1009
Ion Ratio Lower Upper
91 100
106 32.6 24.6 36.8



#68
m/p-Xylenes
Concen: 0.058 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 106 Resp: 716
Ion Ratio Lower Upper
106 100
91 207.4 163.2 244.8

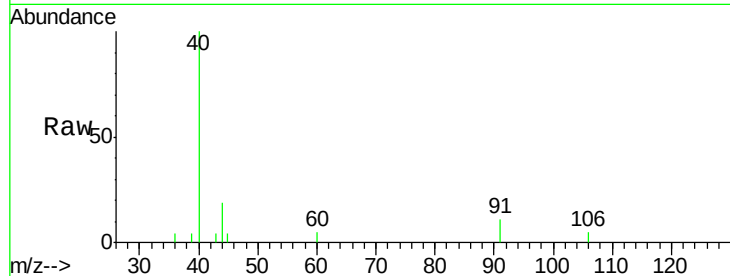




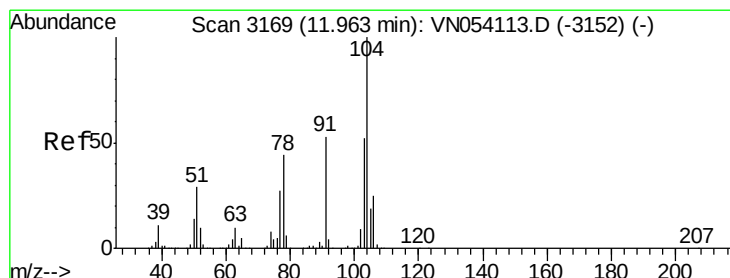
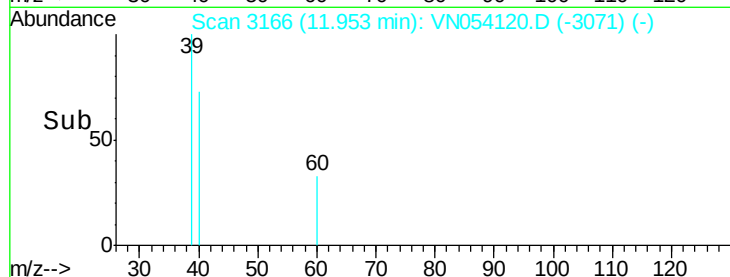
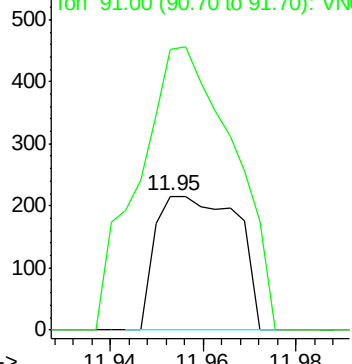
#69
o-Xylene
Concen: 0.022 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

Tot Ion:106 Resp: 264
Ion Ratio Lower Upper
106 100
91 245.5 107.1 321.3

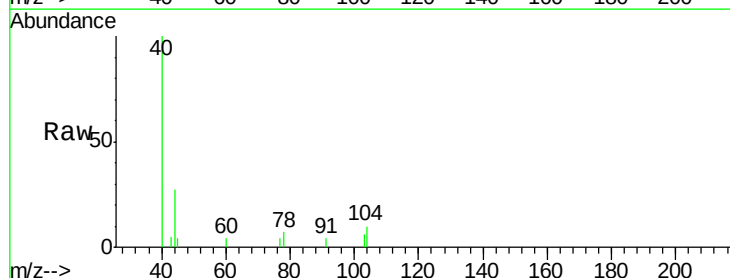


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

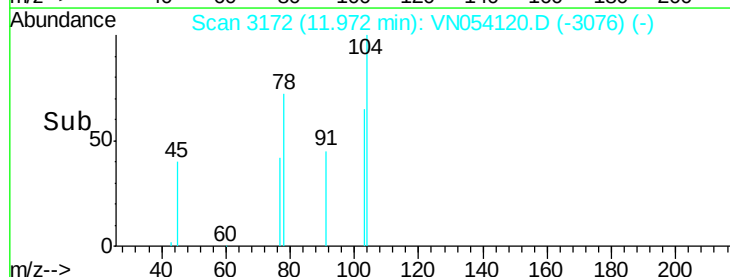
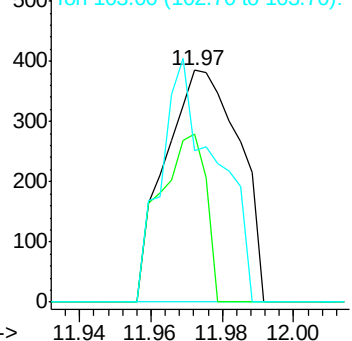


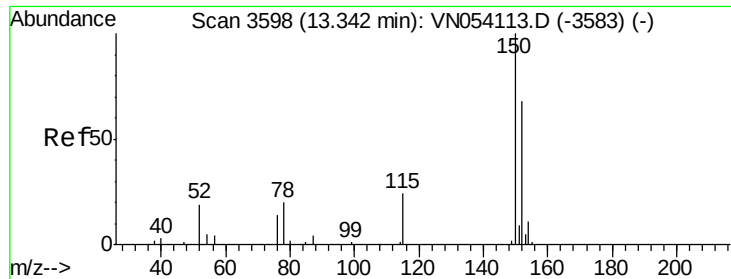
#70
Styrene
Concen: 0.029 ug/l
RT: 11.97 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion:104 Resp: 553
Ion Ratio Lower Upper
104 100
78 45.4 39.4 59.0
103 78.3 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

VN0306WBL01

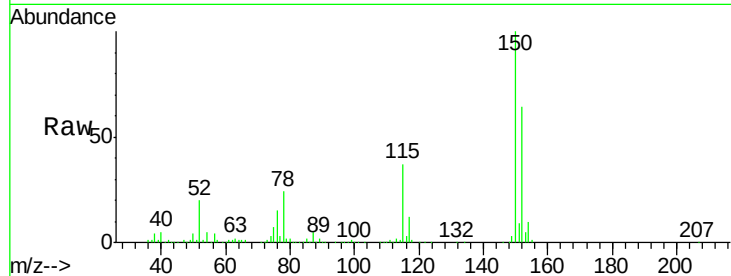
Tot Ion:152 Resp: 327480

Ion Ratio Lower Upper

152 100

115 58.1 28.5 85.6

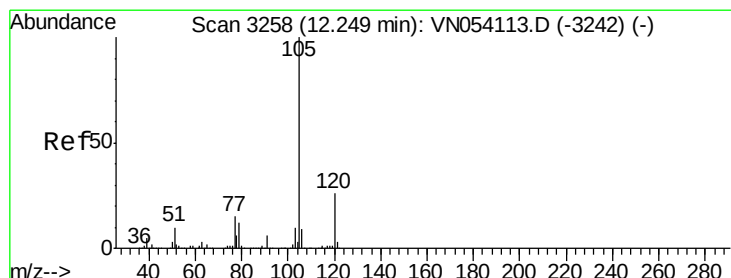
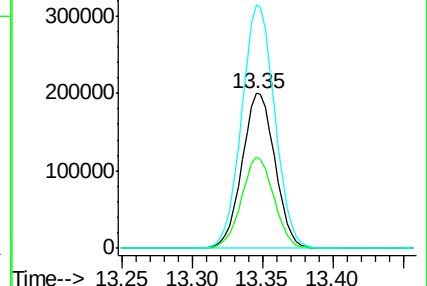
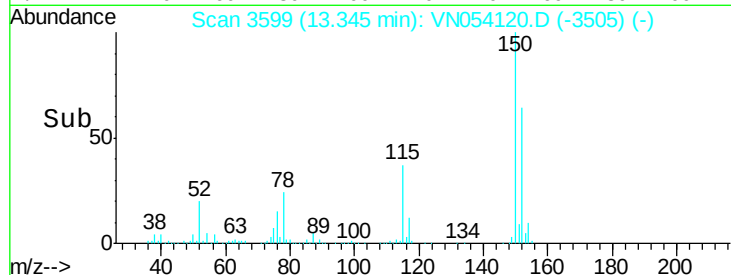
150 158.1 0.0 343.2



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



#73

Isopropylbenzene

Concen: 0.038 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN054120.D

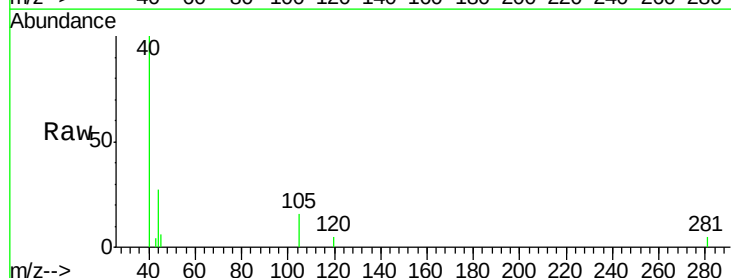
Acq: 6 Mar 2019 16:53

Tgt Ion:105 Resp: 978

Ion Ratio Lower Upper

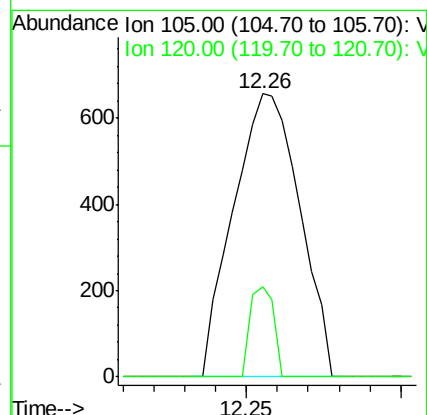
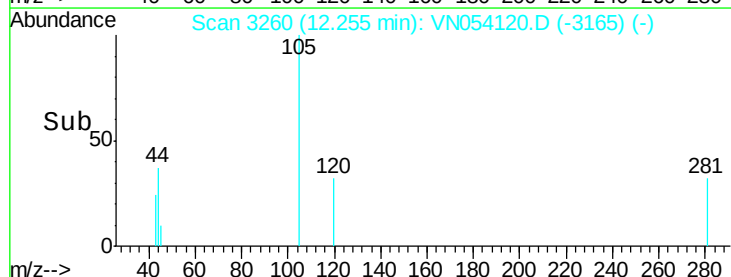
105 100

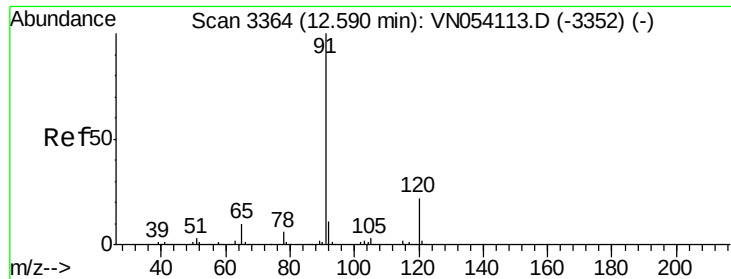
120 11.5 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.072 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.01 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

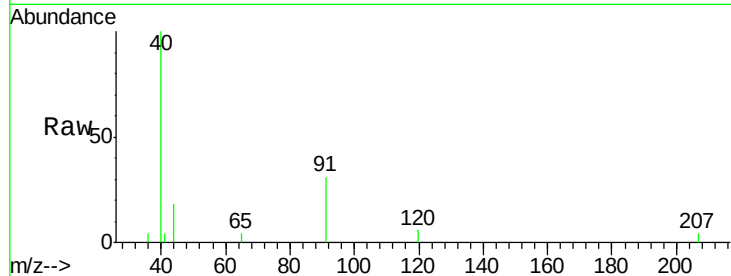
VN0306WBL01

Tot Ion: 91 Resp: 2119

Ion Ratio Lower Upper

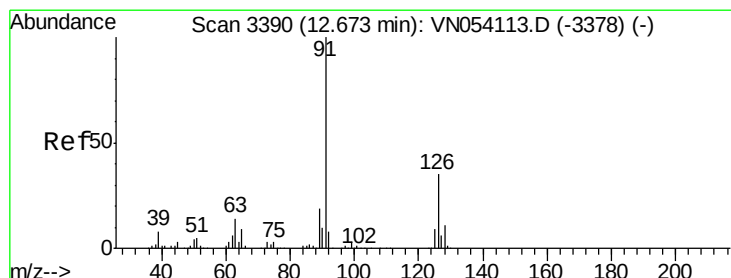
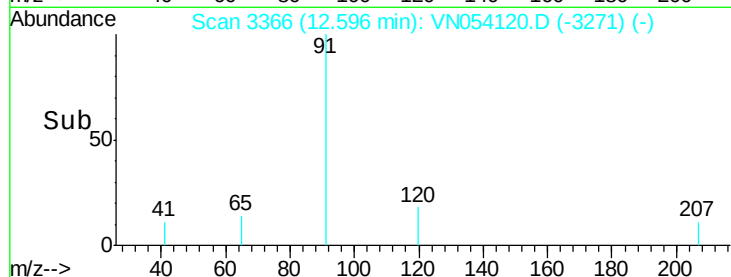
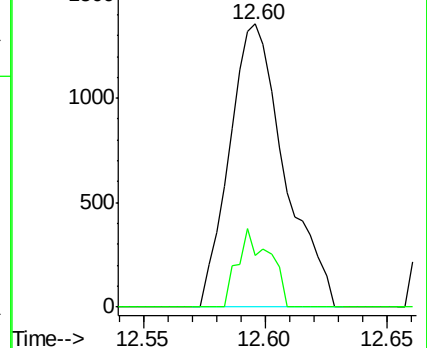
91 100

120 16.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.066 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054120.D

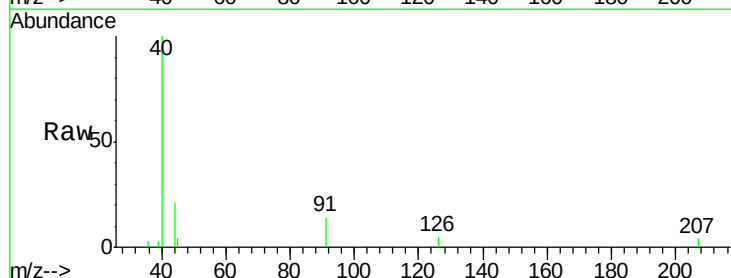
Acq: 6 Mar 2019 16:53

Tgt Ion: 91 Resp: 1170

Ion Ratio Lower Upper

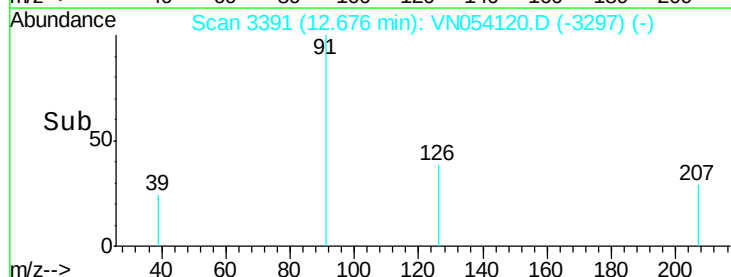
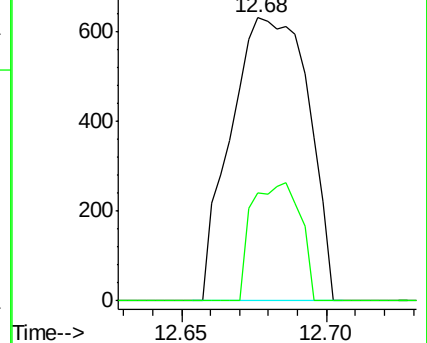
91 100

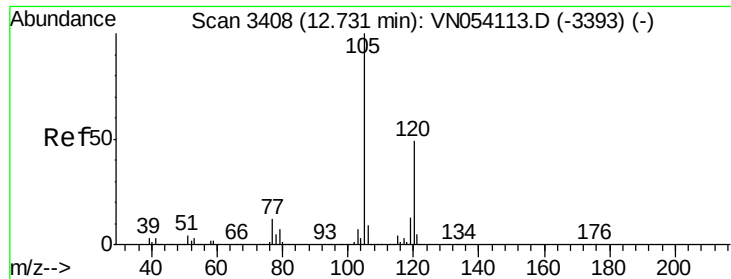
126 26.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

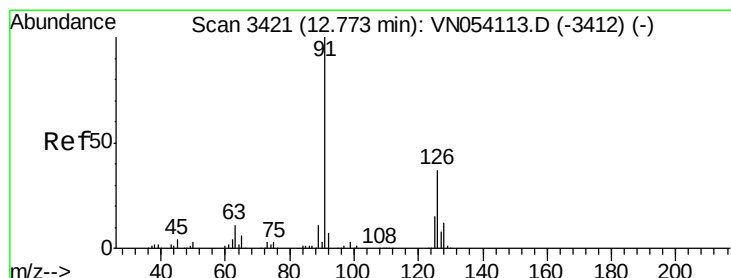
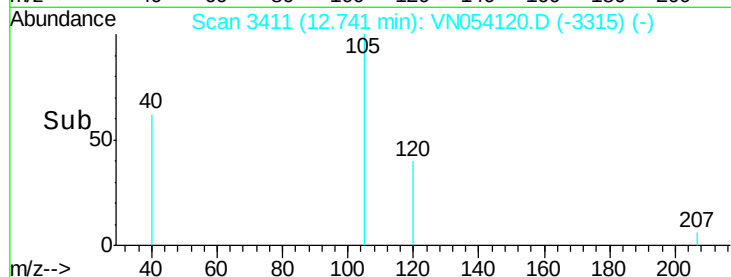
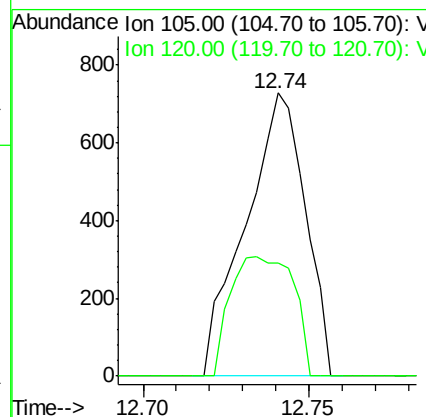
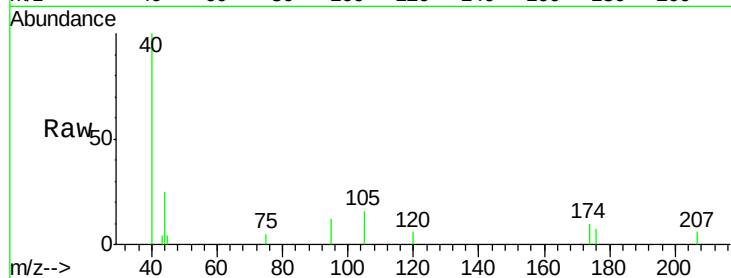




#80
 1,3,5-Trimethylbenzene
 Concen: 0.043 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.01 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

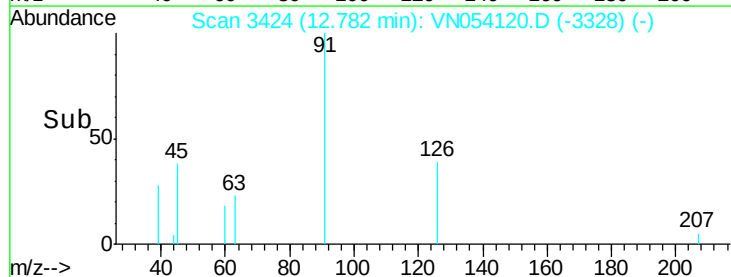
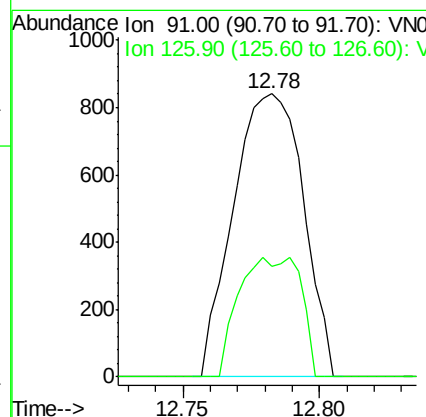
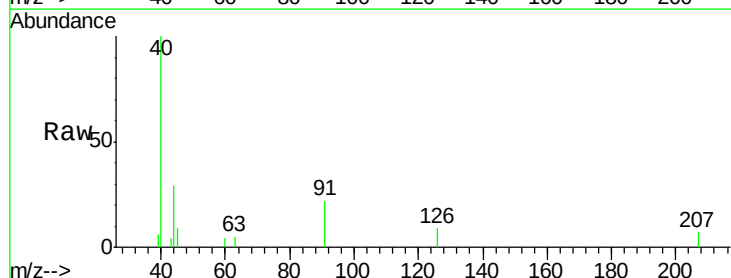
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBL01

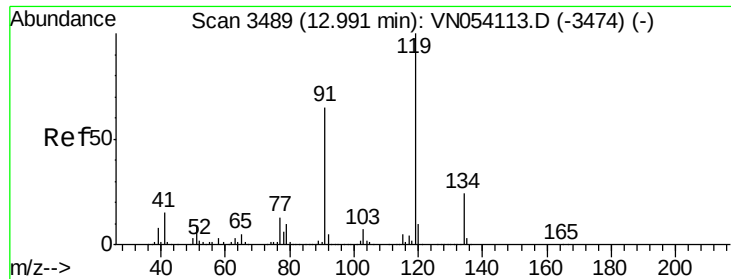
Tot Ion:105 Resp: 914
 Ion Ratio Lower Upper
 105 100
 120 44.2 24.6 73.8



#82
 4-Chlorotoluene
 Concen: 0.084 ug/l
 RT: 12.78 min Scan# 3424
 Delta R.T. 0.01 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion: 91 Resp: 1497
 Ion Ratio Lower Upper
 91 100
 126 37.3 17.1 51.3

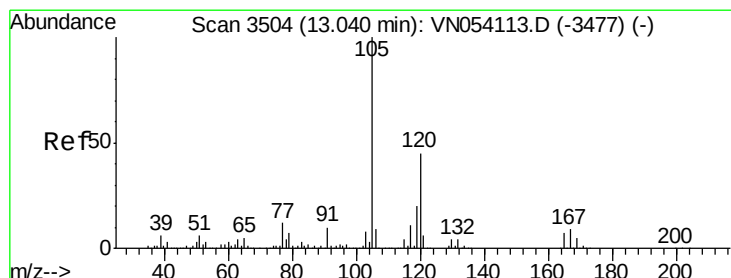
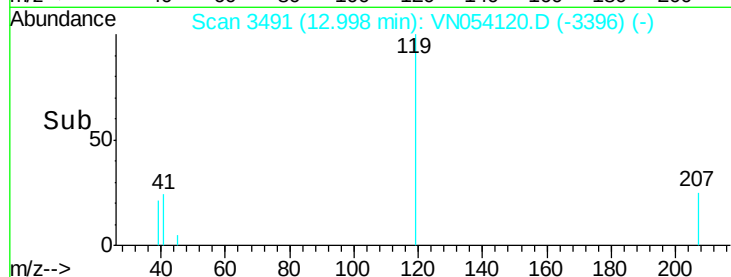
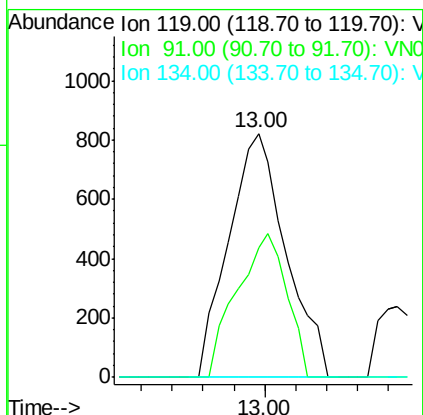
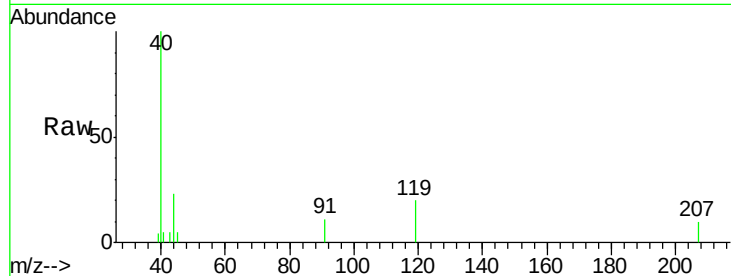




#83
 tert-Butylbenzene
 Concen: 0.056 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.01 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

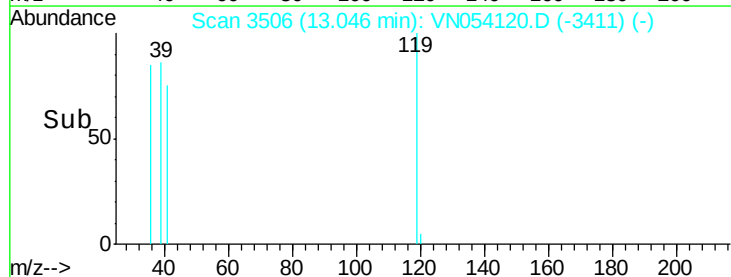
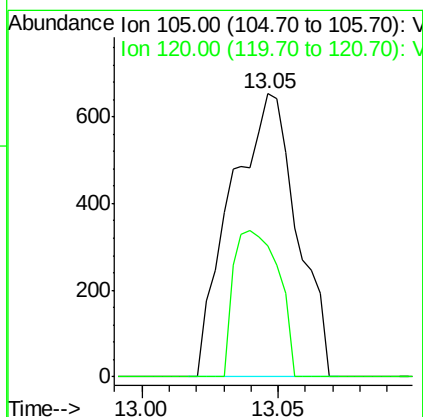
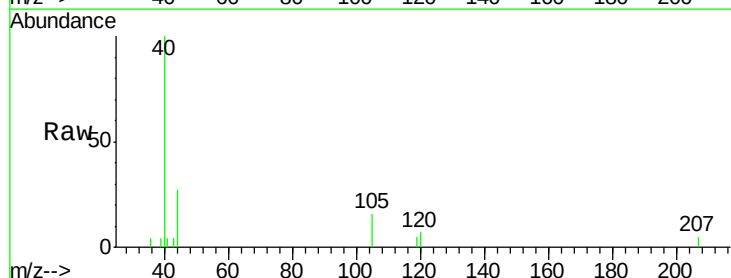
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBL01

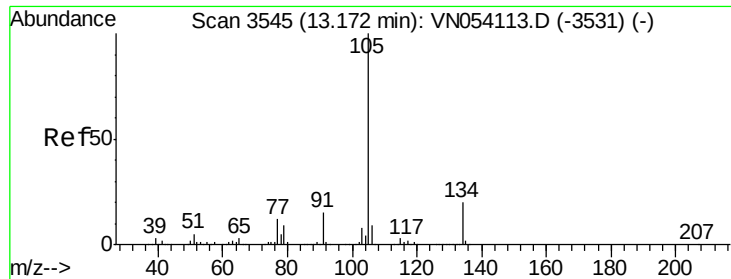
Tot Ion:119 Resp: 1058
 Ion Ratio Lower Upper
 119 100
 91 51.6 31.8 95.3
 134 0.0 12.8 38.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.052 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.01 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion:105 Resp: 1096
 Ion Ratio Lower Upper
 105 100
 120 35.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 0.065 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampled :

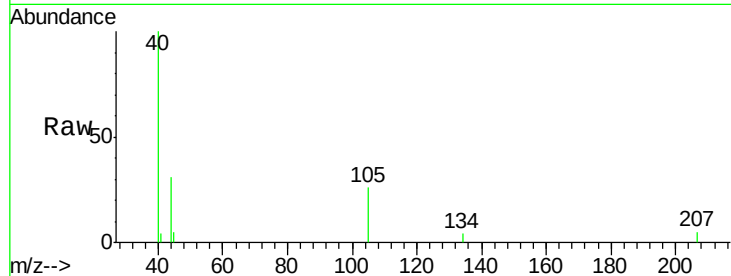
VN0306WBL01

Tot Ion:105 Resp: 1647

Ion Ratio Lower Upper

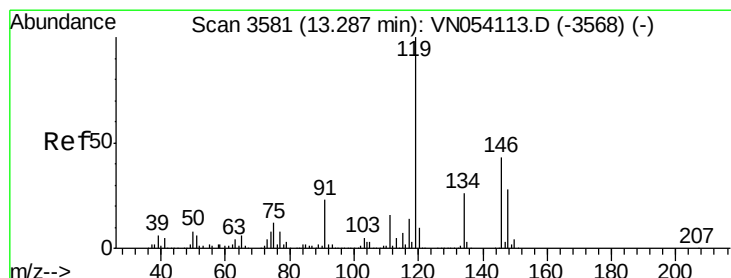
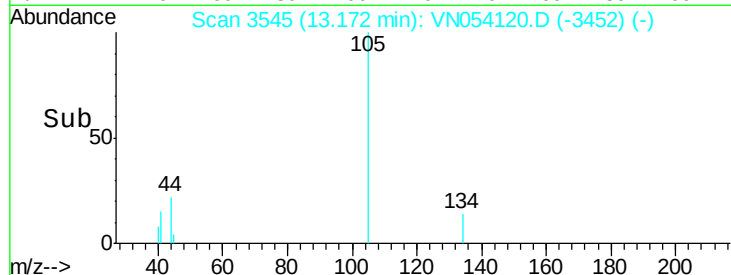
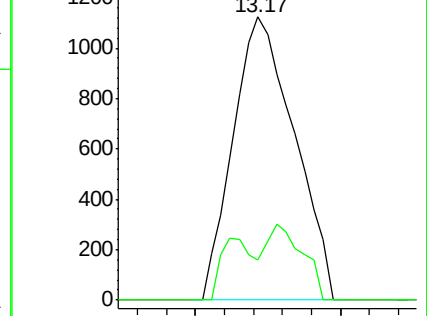
105 100

134 15.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.072 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054120.D

Acq: 6 Mar 2019 16:53

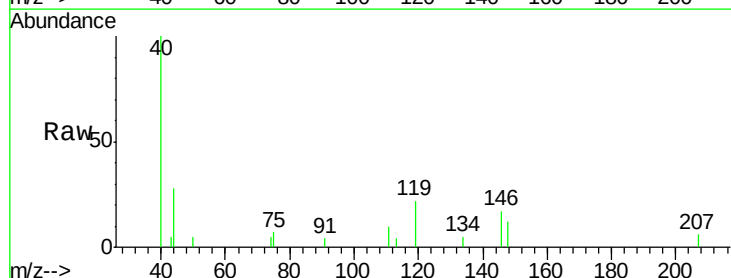
Tgt Ion:119 Resp: 1540

Ion Ratio Lower Upper

119 100

134 12.6 13.2 39.5#

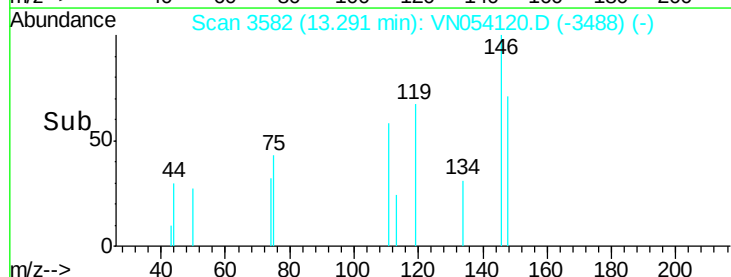
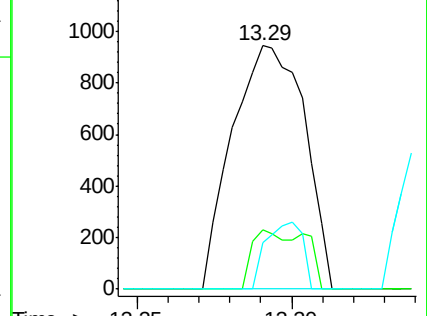
91 14.0 11.4 34.2

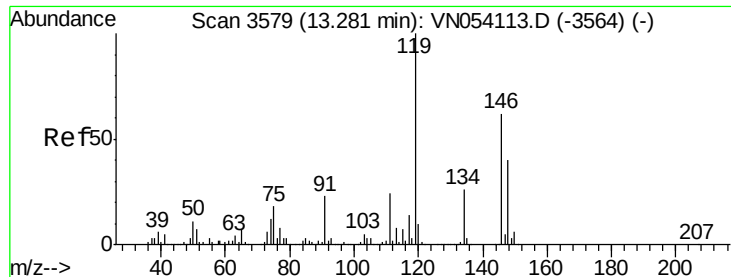


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

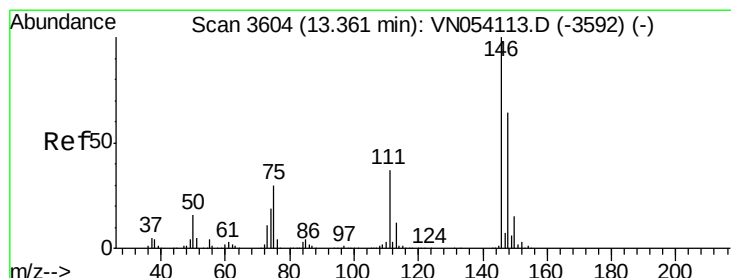
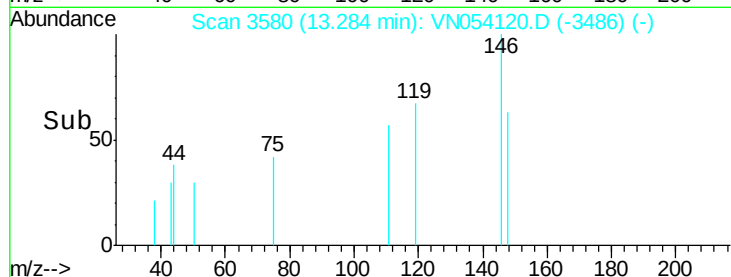
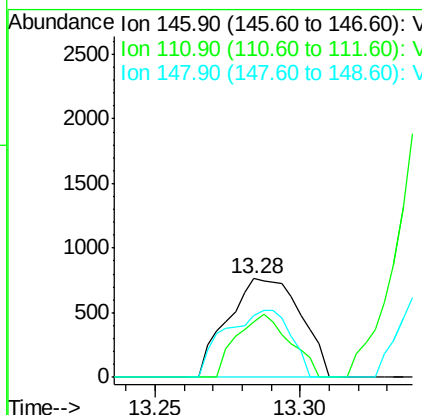
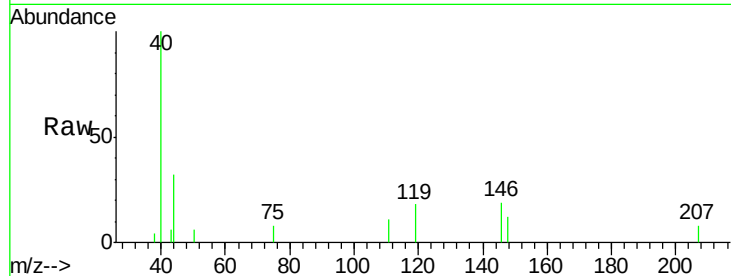




#87
 1,3-Dichlorobenzene
 Concen: 0.117 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

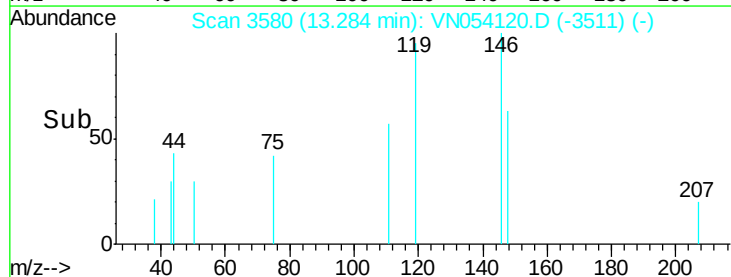
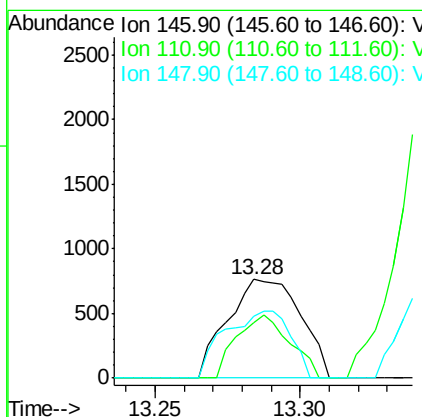
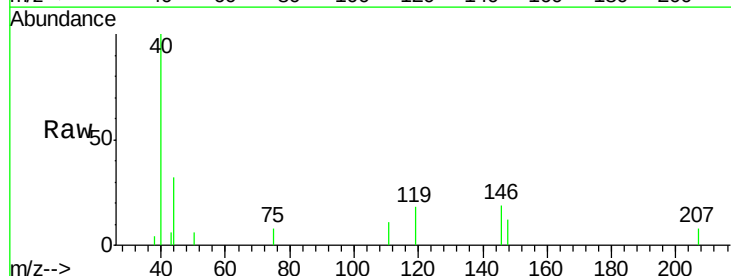
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBL01

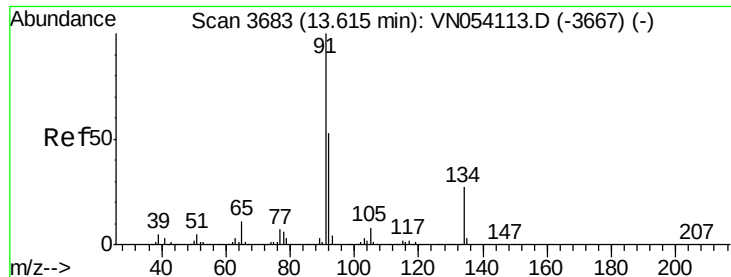
Tot Ion:146 Resp: 1329
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.3 57.8
 148 61.3 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 0.117 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054120.D
 Acq: 6 Mar 2019 16:53

Tgt Ion:146 Resp: 1329
 Ion Ratio Lower Upper
 146 100
 111 46.6 18.9 56.5
 148 61.3 32.1 96.5

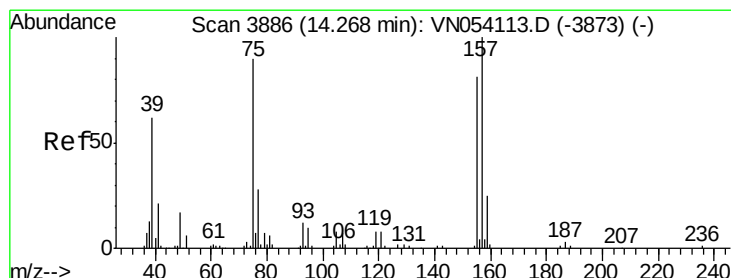
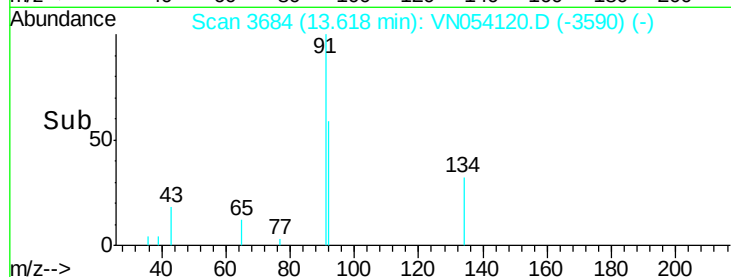
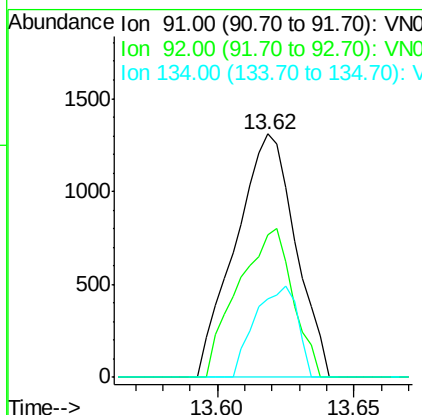
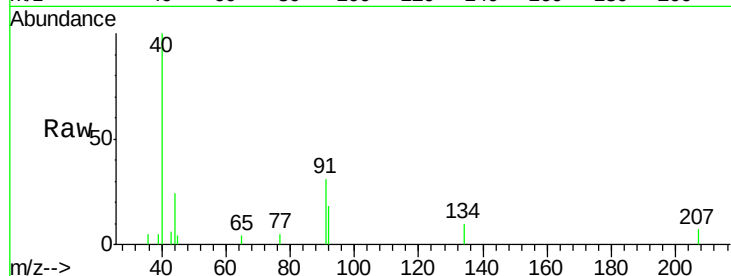




#89
n-Butylbenzene
Concen: 0.110 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Instrument :
MSVOA_N
ClientSampled :
VN0306WBL01

Tot Ion: 91 Resp: 1993
Ion Ratio Lower Upper
91 100
92 56.0 26.0 78.0
134 26.6 13.1 39.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.032 ug/l
RT: 14.28 min Scan# 3889
Delta R.T. 0.01 min
Lab File: VN054120.D
Acq: 6 Mar 2019 16:53

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 44.5 133.5#
157 0.0 57.2 171.6#

