

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054022.D
 Acq On : 1 Mar 2019 11:57
 Operator : JC/SP
 Sample : VN0301WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBL01

Quant Time: Mar 01 23:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	115910	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	624157	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	510463	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242686	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	191010	24.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.50%
63) Toluene-d8	10.09	98	743224	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

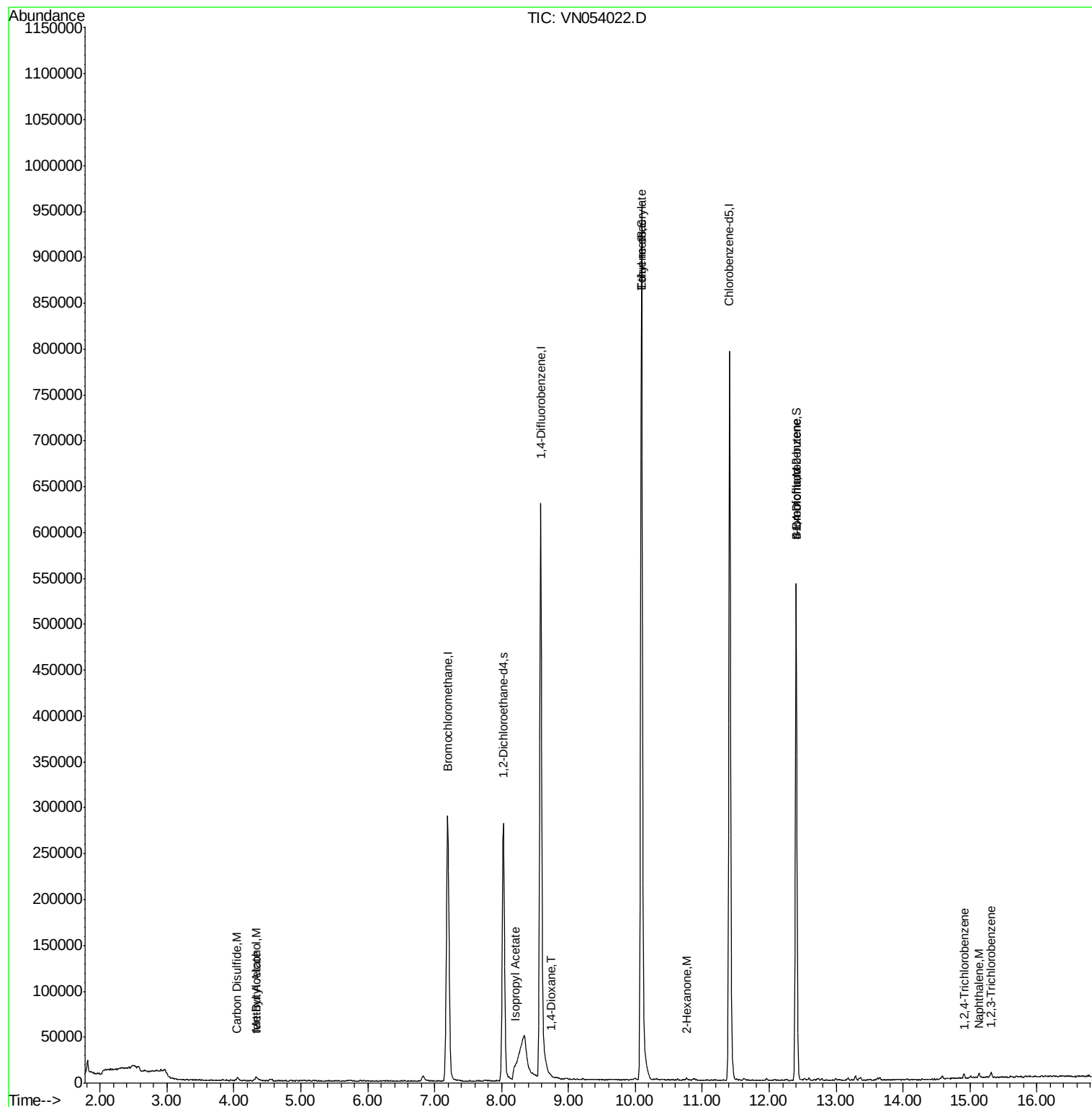
					Ovalue	
12) Methyl Acetate	4.33	43	8197	1.522	ug/l #	89
16) Carbon Disulfide	4.04	76	6295	0.304	ug/l #	91
23) tert-Butyl Alcohol	4.35	59	102	0.220	ug/l #	100
44) Isopropyl Acetate	8.19	43	9333	0.823	ug/l #	60
45) 1,4-Dioxane	8.74	88	190	34.178	ug/l #	1
51) Ethyl methacrylate	10.09	69	1996	0.259	ug/l	84
56) Bromoform	12.40	173	1699	0.364	ug/l #	1
59) 2-Hexanone	10.76	43	1425	0.379	ug/l #	87
77) t-1,4-Dichloro-2-butene	12.40	75	94260	49.481	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	1767	0.282	ug/l #	90
91) Naphthalene	15.14	128	5213	7.312	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	2598	0.420	ug/l	95

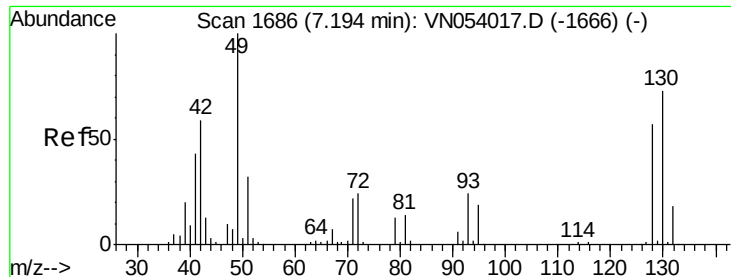
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030119\
Data File : VN054022.D
Acq On : 1 Mar 2019 11:57
Operator : JC/SP
Sample : VN0301WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBL01

Quant Time: Mar 01 23:45:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

VN0301WBL01

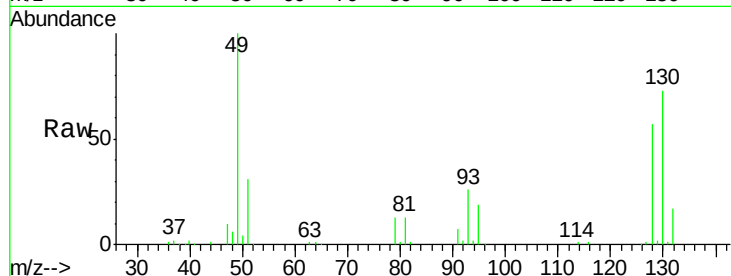
Tot Ion:128 Resp: 115910

Ion Ratio Lower Upper

128 100

49 173.3 0.0 431.8

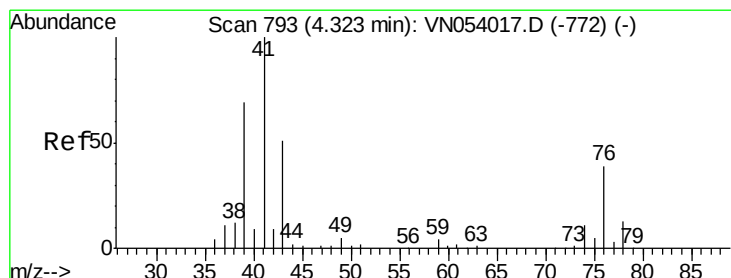
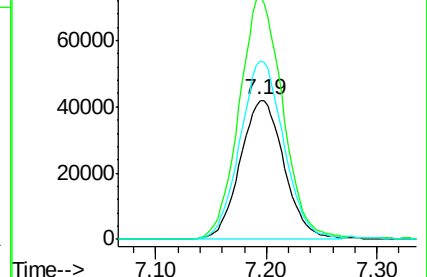
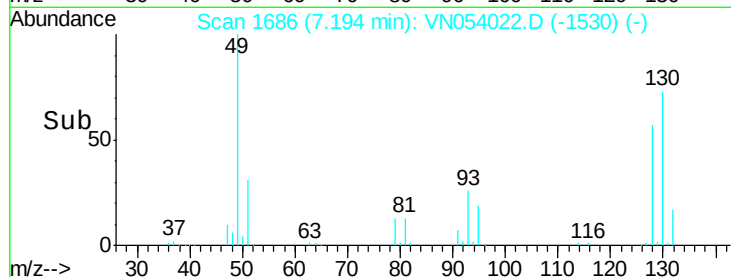
130 128.0 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 1.522 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN054022.D

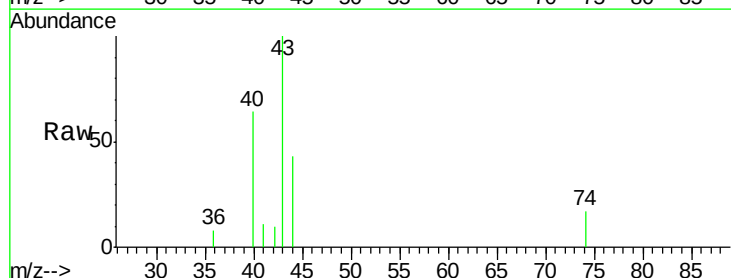
Acq: 1 Mar 2019 11:57

Tgt Ion: 43 Resp: 8197

Ion Ratio Lower Upper

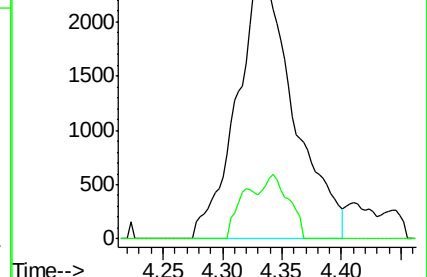
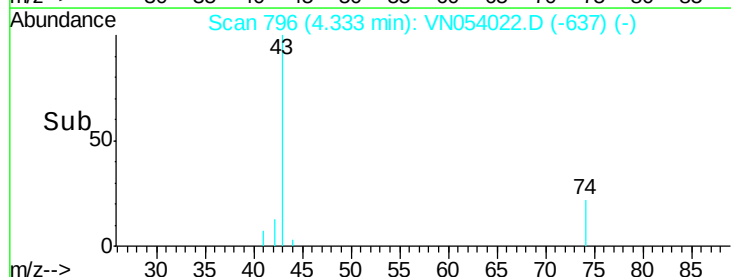
43 100

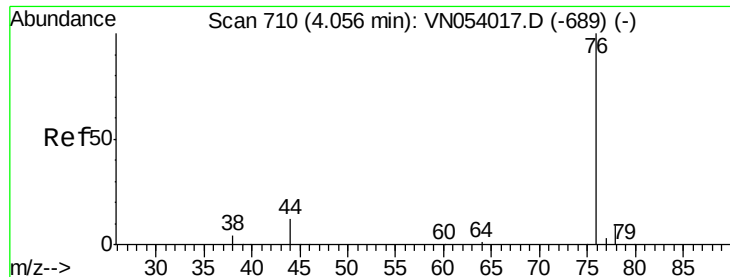
74 18.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#16

Carbon Disulfide

Concen: 0.304 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

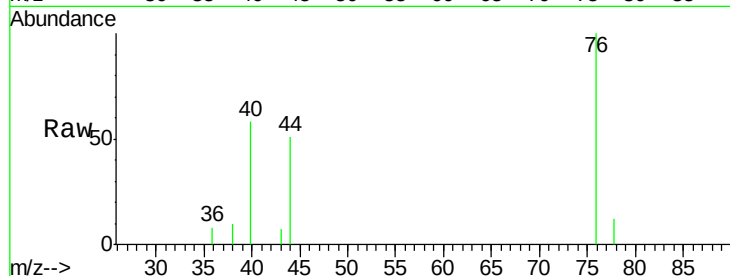
VN0301WBL01

Tot Ion: 76 Resp: 6295

Ion Ratio Lower Upper

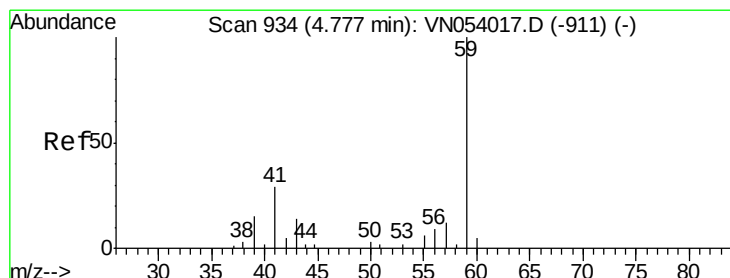
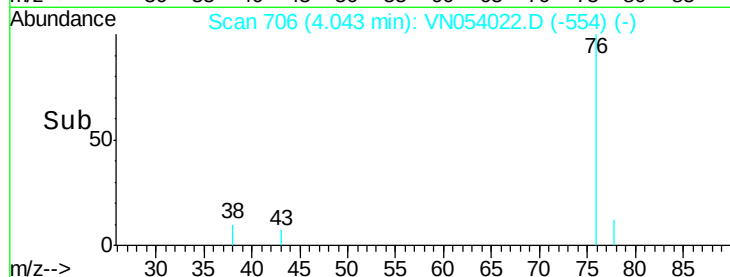
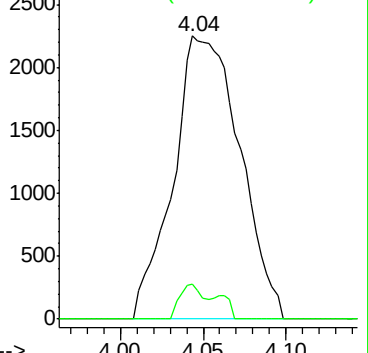
76 100

78 12.2 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.220 ug/l

RT: 4.35 min Scan# 801

Delta R.T. -0.43 min

Lab File: VN054022.D

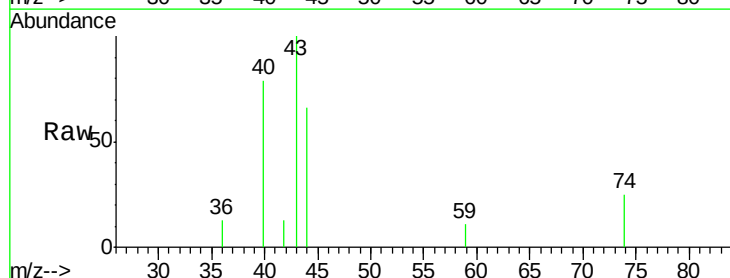
Acq: 1 Mar 2019 11:57

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

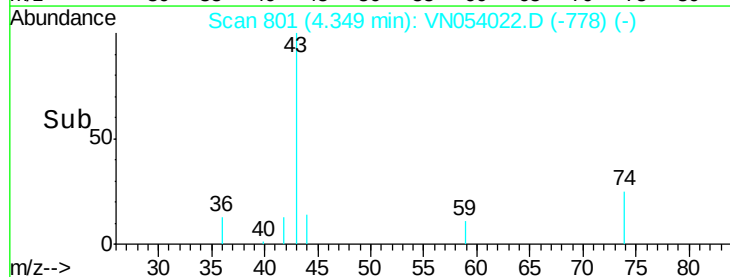
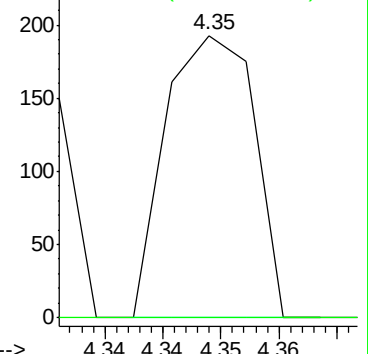
59 100

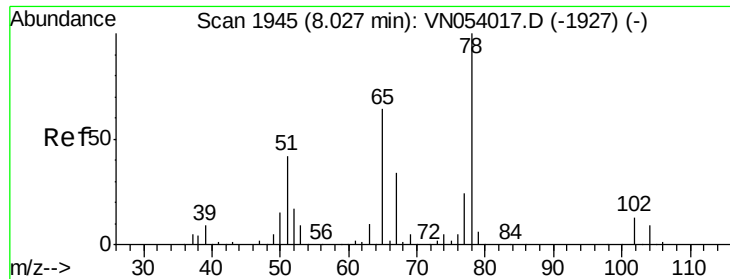
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

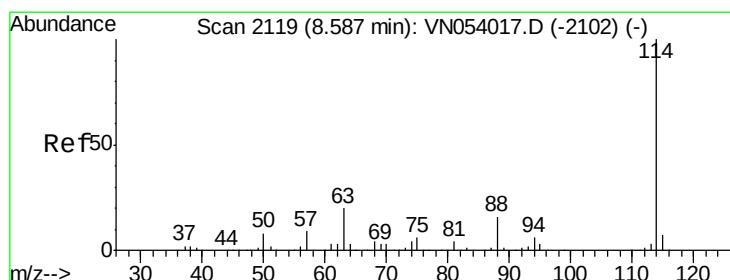
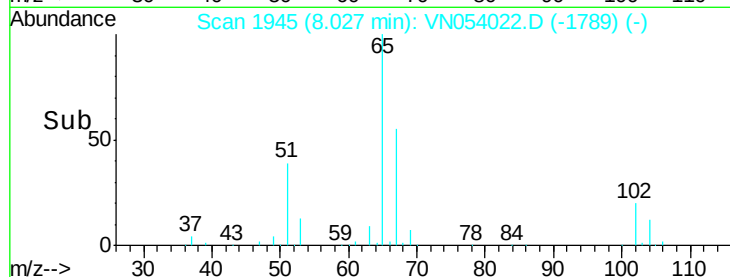
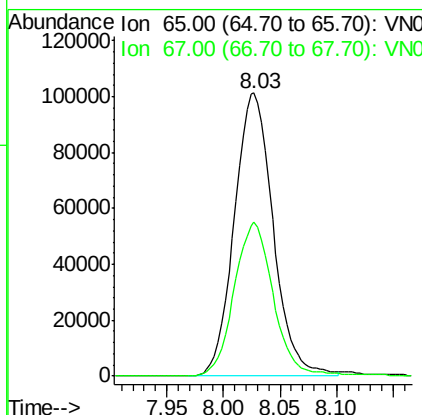
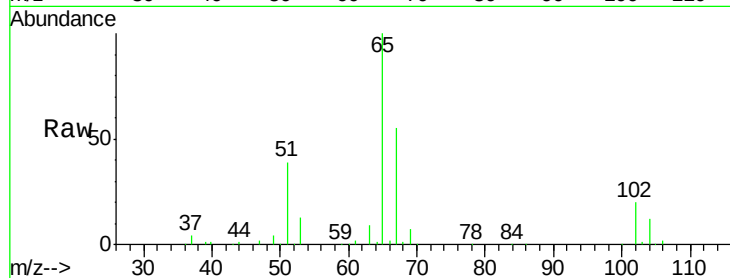




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054022.D
 Acq: 1 Mar 2019 11:57

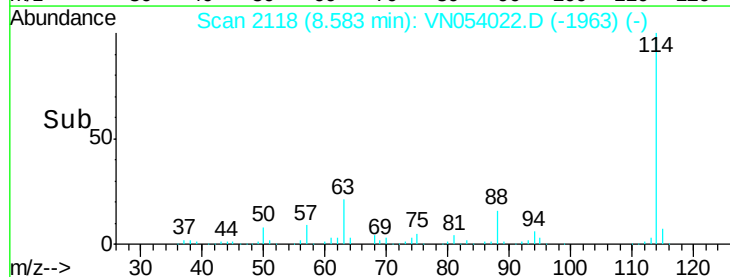
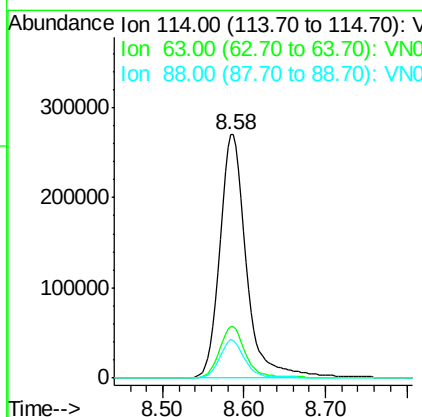
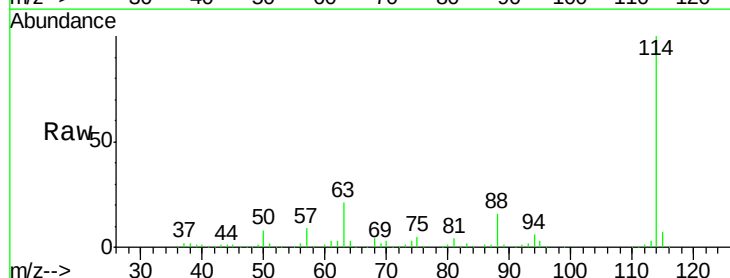
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBL01

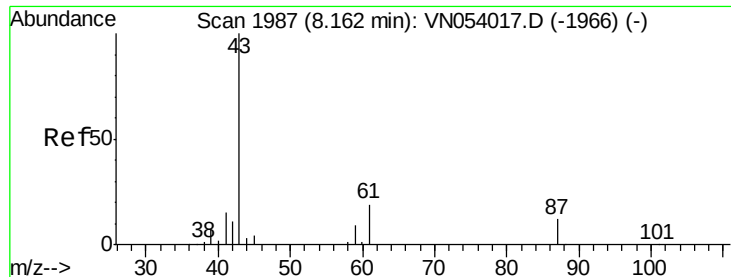
Tot Ion: 65 Resp: 242686
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054022.D
 Acq: 1 Mar 2019 11:57

Tgt Ion: 114 Resp: 624157
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.9 25.3
 88 14.4 12.8 19.2





#44

Isopropyl Acetate

Concen: 0.823 ug/l

RT: 8.19 min Scan# 1997

Delta R.T. 0.03 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

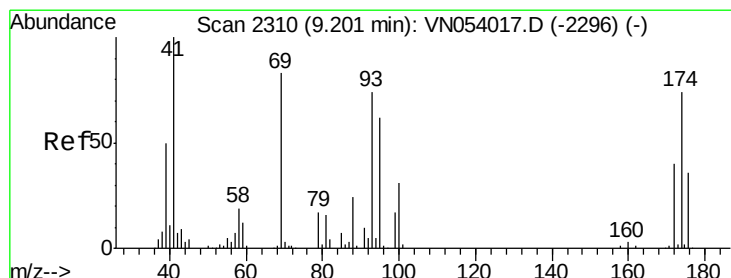
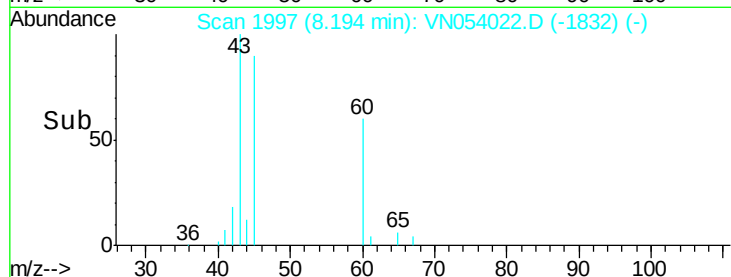
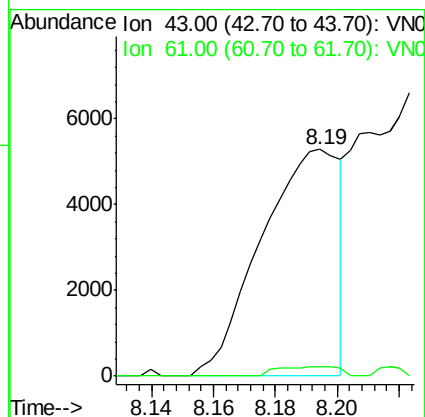
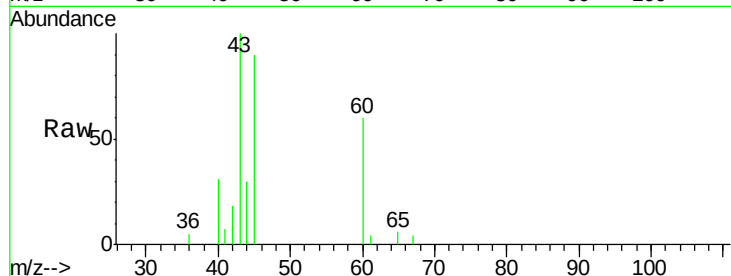
VN0301WBL01

Tot Ion: 43 Resp: 9333

Ion Ratio Lower Upper

43 100

61 1.6 16.0 24.0#



#45

1,4-Dioxane

Concen: 34.178 ug/l

RT: 8.74 min Scan# 2168

Delta R.T. -0.46 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

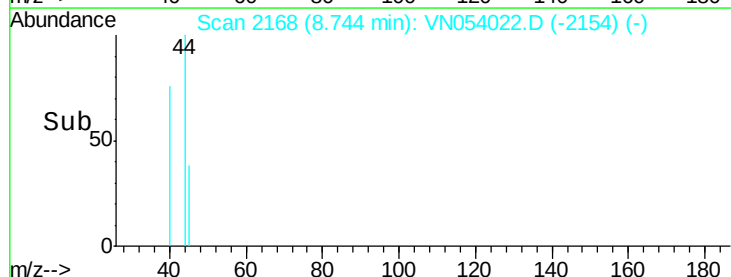
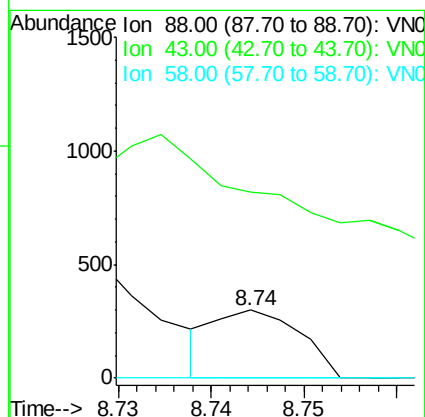
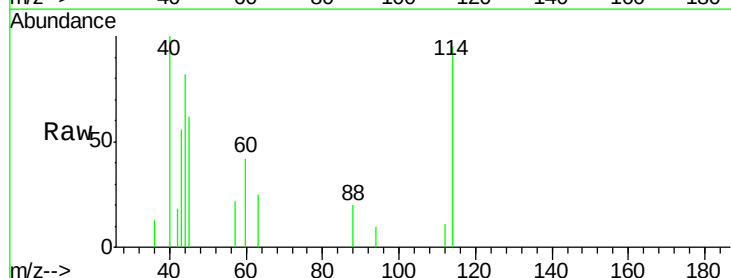
Tgt Ion: 88 Resp: 190

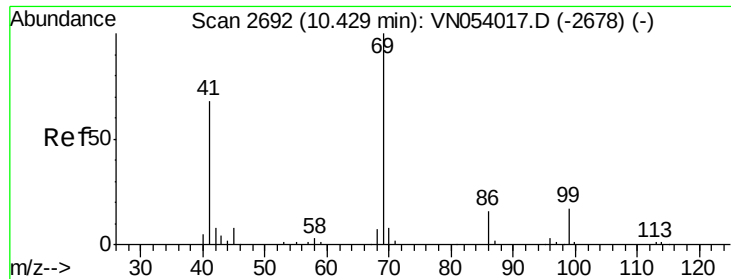
Ion Ratio Lower Upper

88 100

43 243.2 29.5 44.3#

58 0.0 61.5 92.3#





#51

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.34 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

VN0301WBL01

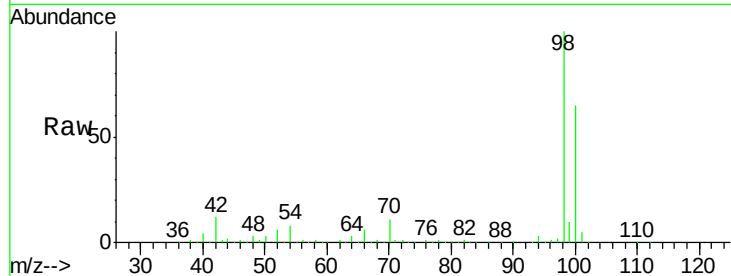
Tot Ion: 69 Resp: 1996

Ion Ratio Lower Upper

69 100

41 50.6 34.4 103.3

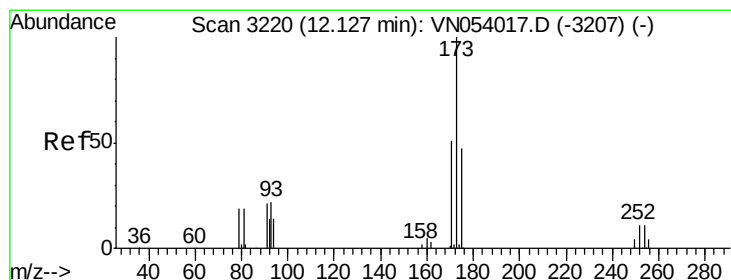
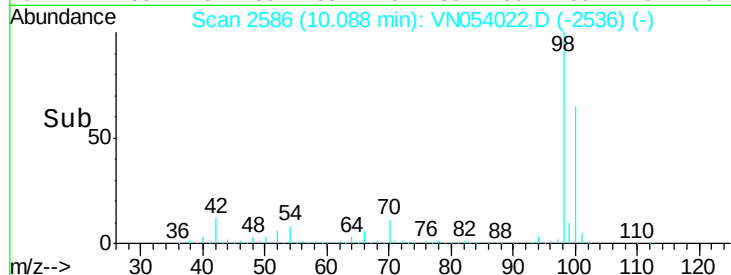
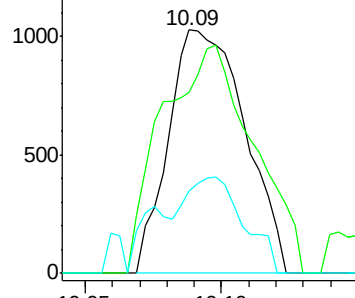
39 33.7 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN054017.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN054017.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN054017.D (-2678) (-)



#56

Bromoform

Concen: 0.364 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

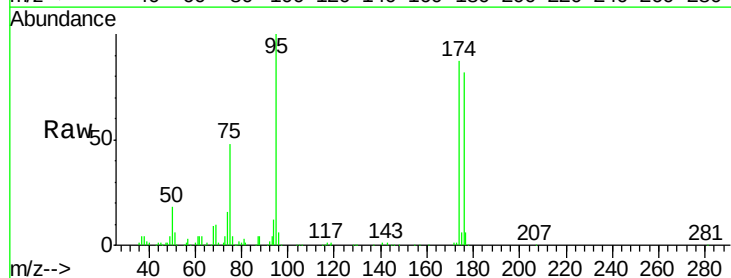
Tgt Ion: 173 Resp: 1699

Ion Ratio Lower Upper

173 100

175 719.4 38.7 58.1#

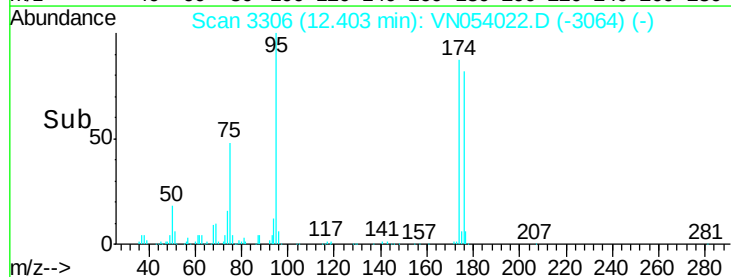
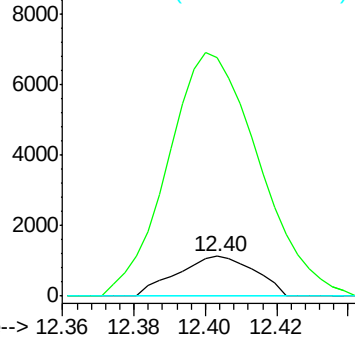
254 0.0 8.4 12.6#

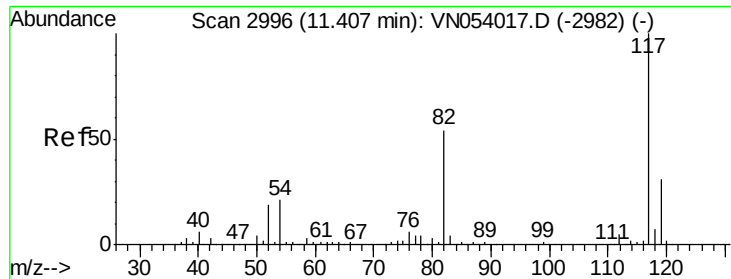


Abundance Ion 173.00 (172.70 to 173.70): VN054017.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN054017.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN054017.D (-3207) (-)

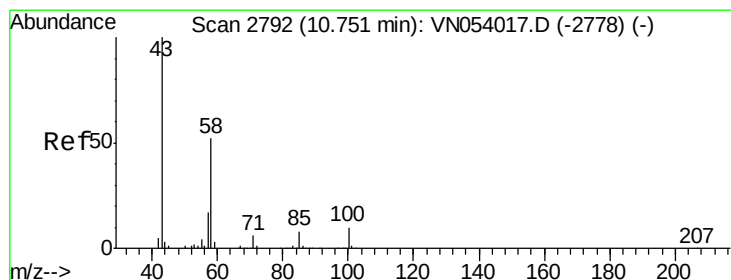
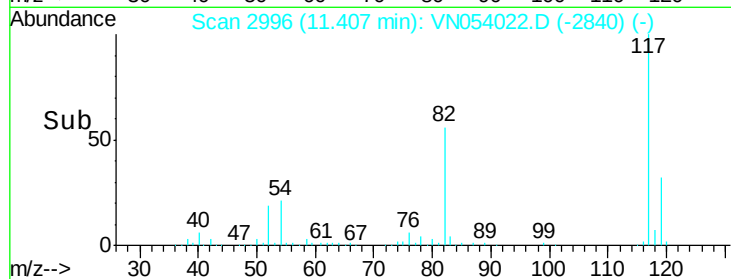
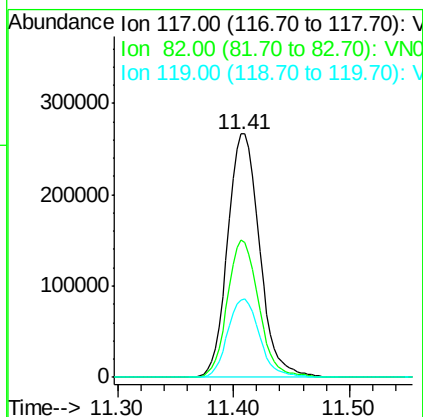
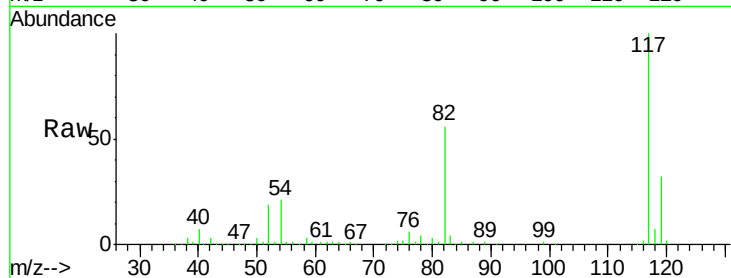




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

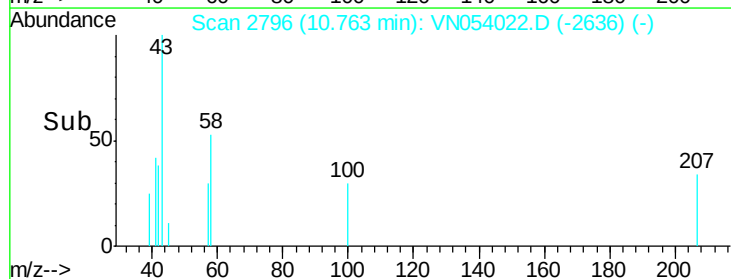
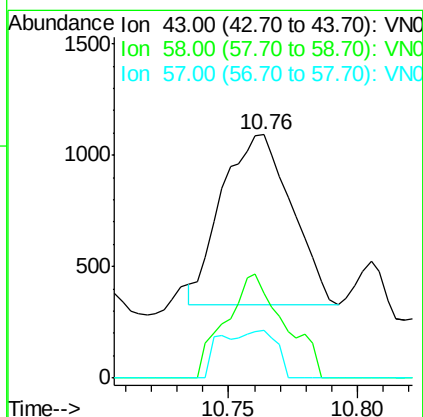
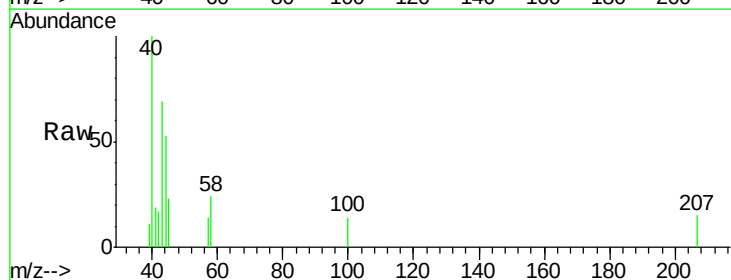
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBL01

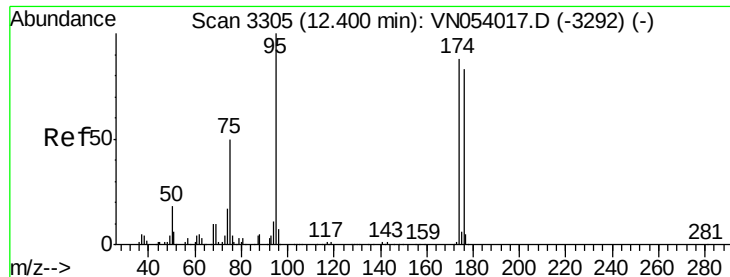
Tot Ion:117 Resp: 510463
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.1 25.4 38.2



#59
2-Hexanone
Concen: 0.379 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 47.2 43.2 64.8
57 7.5 14.9 22.3#





#60

4-Bromofluorobenzene

Concen: 0.379 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054022.D

Acq: 1 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

VN0301WBL01

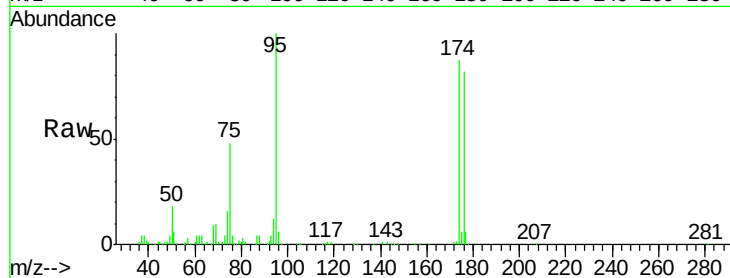
Tot Ion: 95 Resp: 191010

Ion Ratio Lower Upper

95 100

174 88.0 67.9 101.9

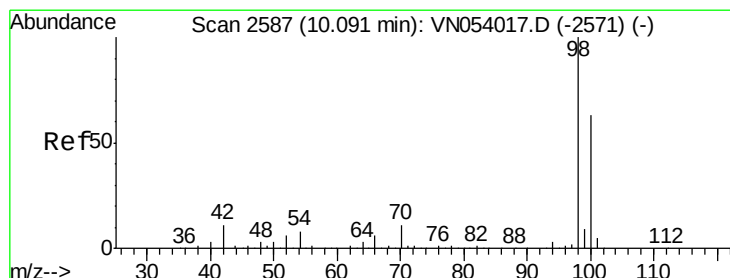
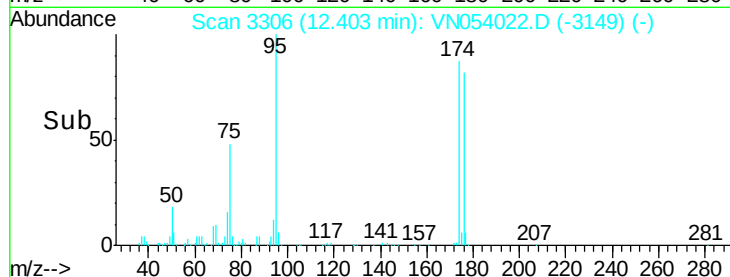
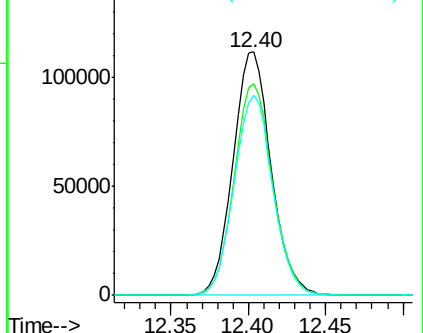
176 83.8 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN054017.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN054017.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN054017.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054022.D

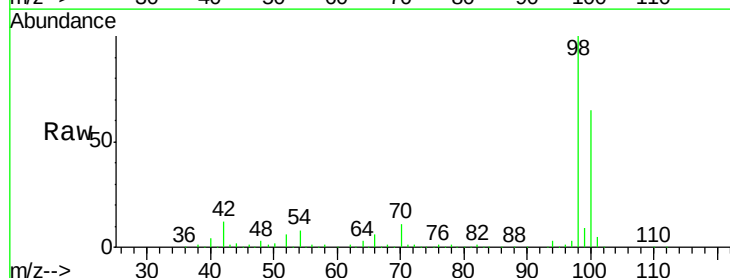
Acq: 1 Mar 2019 11:57

Tgt Ion: 98 Resp: 743224

Ion Ratio Lower Upper

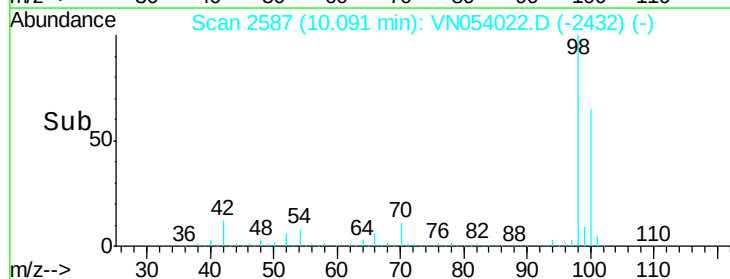
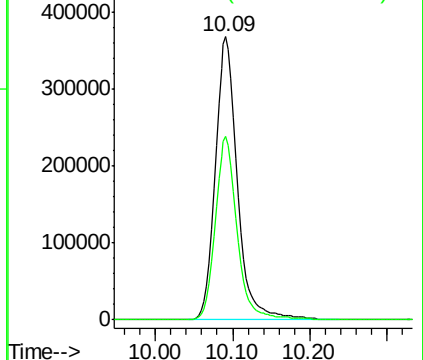
98 100

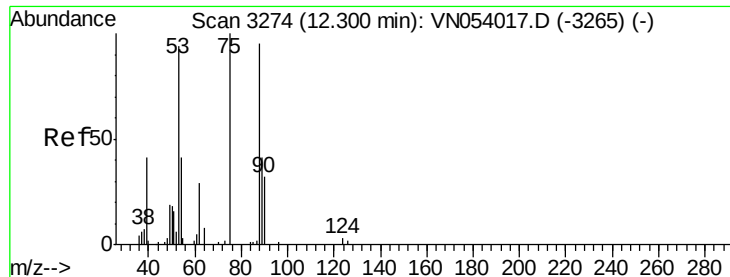
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054017.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-2571) (-)

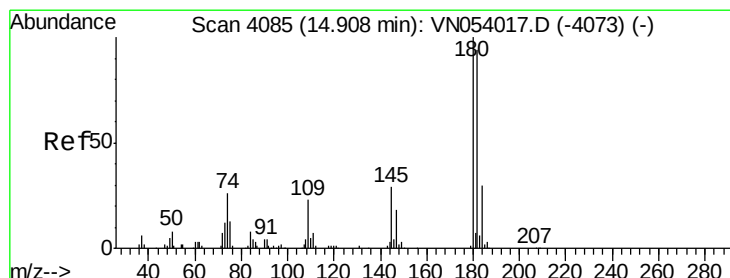
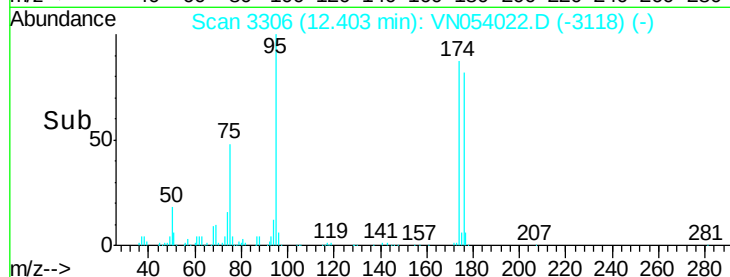
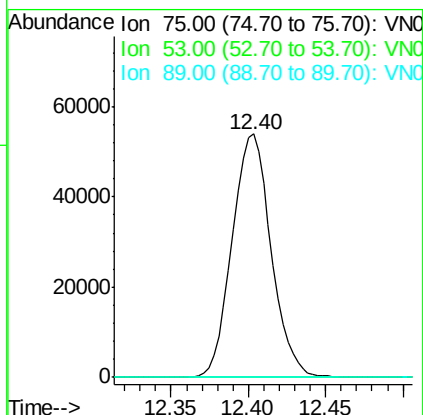
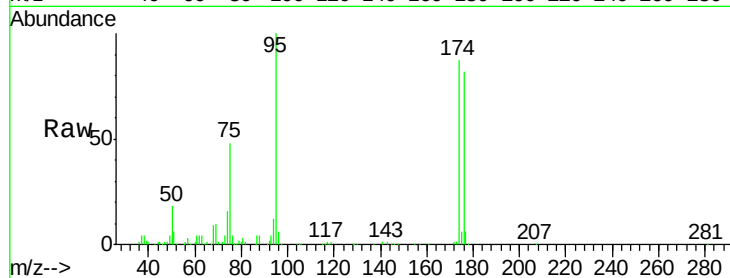




#77
t-1,4-Dichloro-2-butene
Concen: 49.481 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

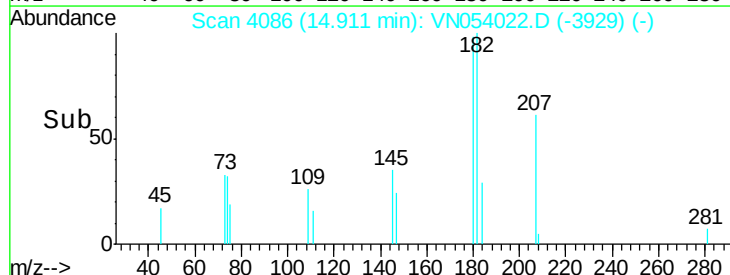
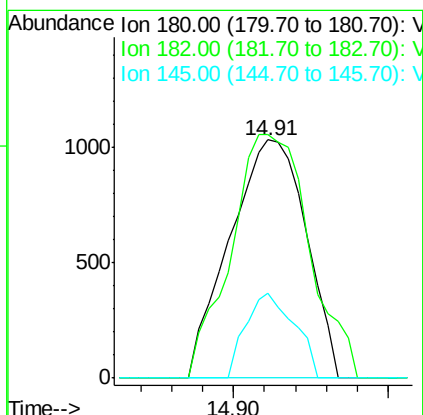
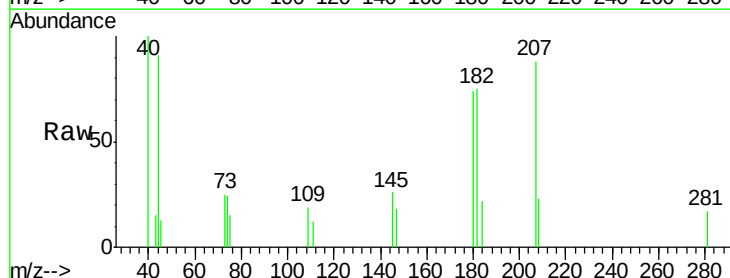
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBL01

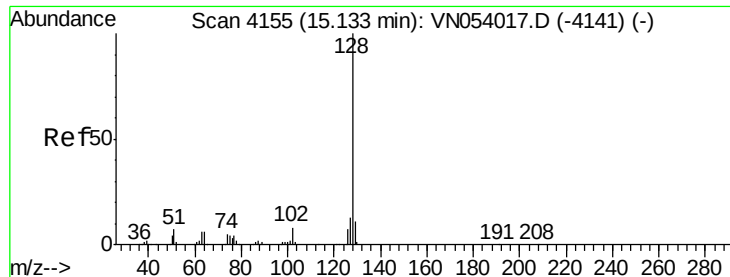
Tot Ion: 75 Resp: 94260
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#



#89
1,2,4-Trichlorobenzene
Concen: 0.282 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

Tgt Ion:180 Resp: 1767
Ion Ratio Lower Upper
180 100
182 104.8 76.6 114.8
145 22.7 23.6 35.4#

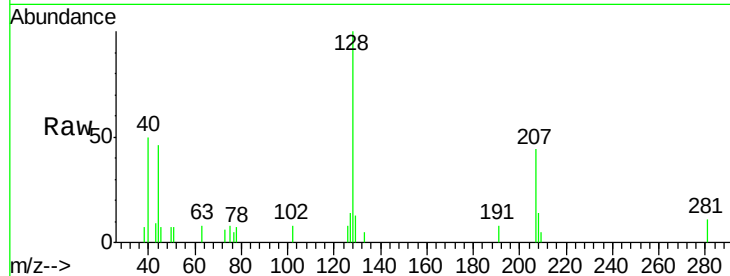




#91
Naphthalene
Concen: 7.312 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

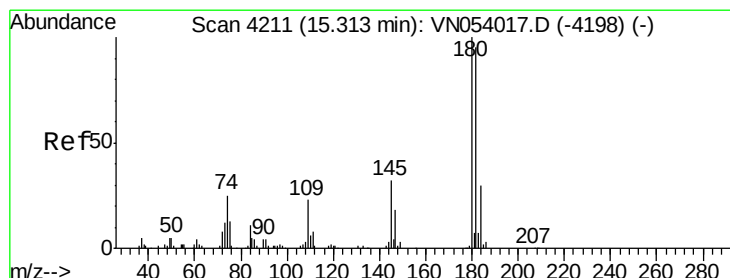
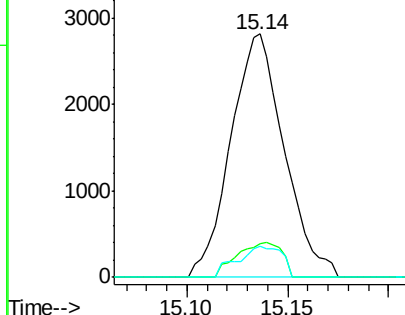
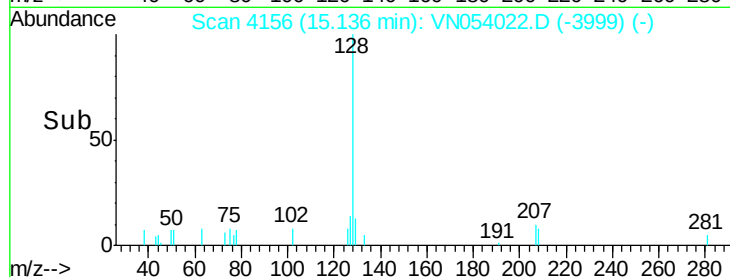
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBL01

Tot Ion:128 Resp: 5213
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 8.8 8.5 12.7



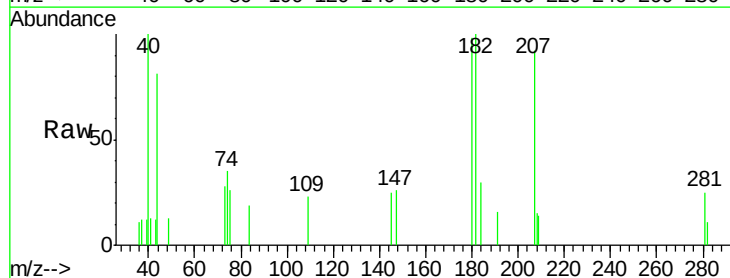
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.14



#92
1,2,3-Trichlorobenzene
Concen: 0.420 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054022.D
Acq: 1 Mar 2019 11:57

Tgt Ion:180 Resp: 2598
Ion Ratio Lower Upper
180 100
182 99.3 0.0 196.2
145 21.3 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

15.32

