

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054026.D
 Acq On : 1 Mar 2019 13:44
 Operator : JC/SP
 Sample : K1587-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C02

Quant Time: Mar 01 23:46:20 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	7.20	128	109525	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	570173	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	480098	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	237471	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	12.40	95	175932	23.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.80%
63) Toluene-d8	10.09	98	692723	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

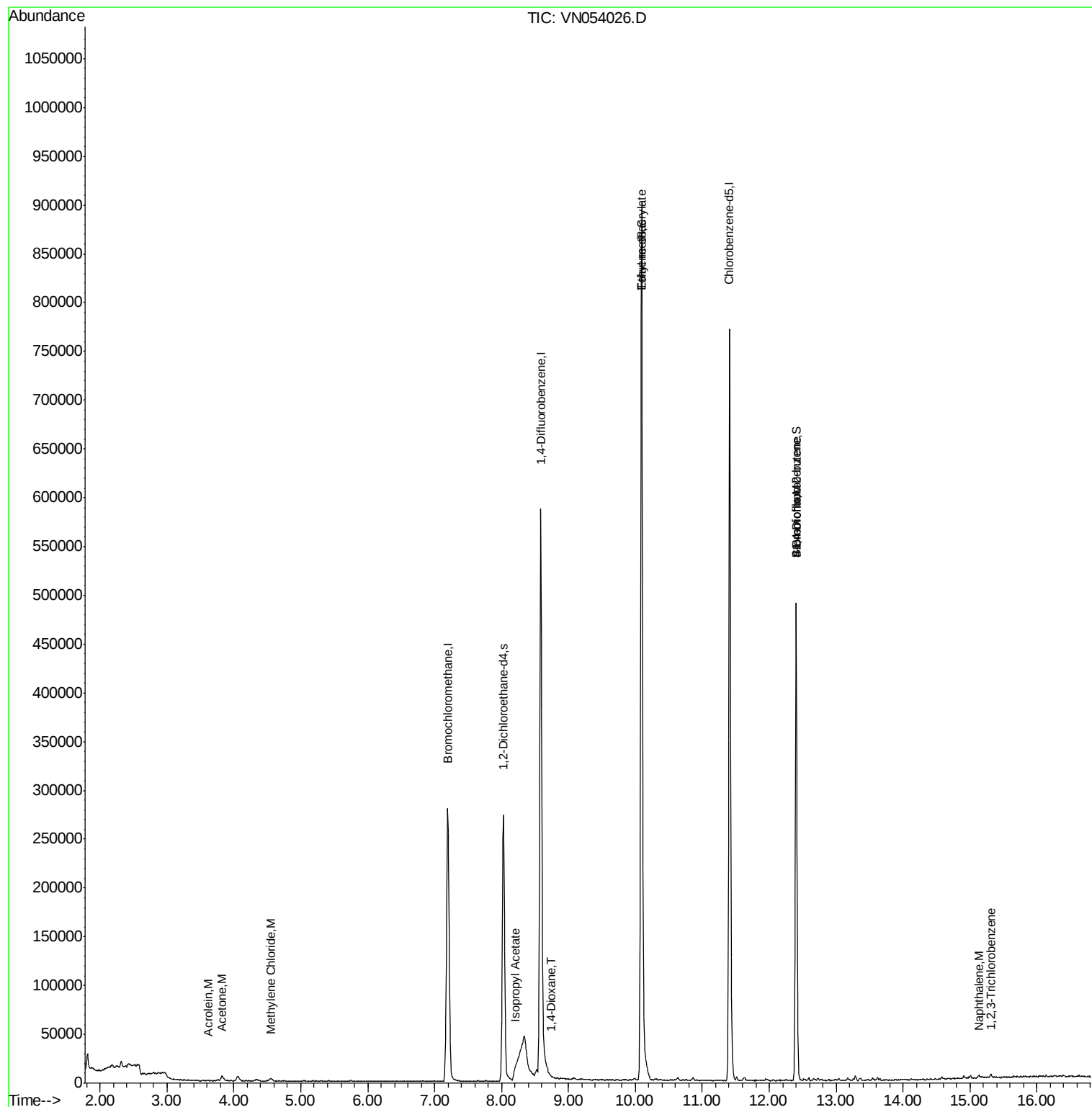
					Ovalue	
13) Acrolein	3.61	56	124	23.788	ug/l #	56
15) Acetone	3.82	58	2466	3.498	ug/l #	62
18) Methylene Chloride	4.55	84	1935	0.278	ug/l #	69
44) Isopropyl Acetate	8.19	43	5061	0.488	ug/l #	56
45) 1,4-Dioxane	8.75	88	116	33.301	ug/l #	1
51) Ethyl methacrylate	10.10	69	2177	0.309	ug/l #	87
56) Bromoform	12.40	173	1769	0.415	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	86131	48.073	ug/l #	11
91) Naphthalene	15.14	128	3356	7.215	ug/l #	72
92) 1,2,3-Trichlorobenzene	15.32	180	1315	0.226	ug/l	93

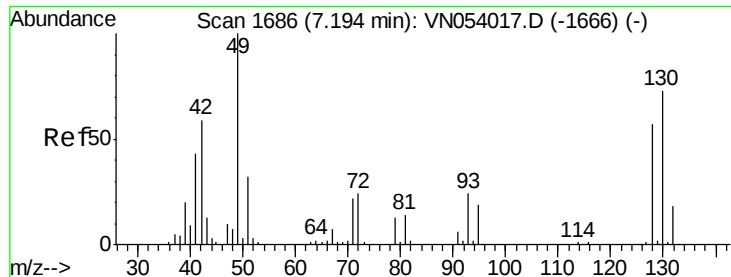
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030119\
Data File : VN054026.D
Acq On : 1 Mar 2019 13:44
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MSVOA_N
ClientSampleId :
TP-MH-C02

Quant Time: Mar 01 23:46:20 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: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C02

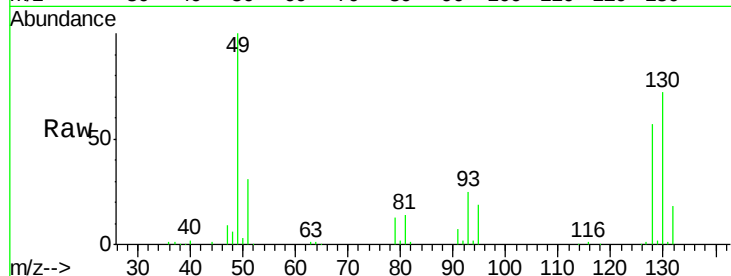
Tot Ion:128 Resp: 109525

Ion Ratio Lower Upper

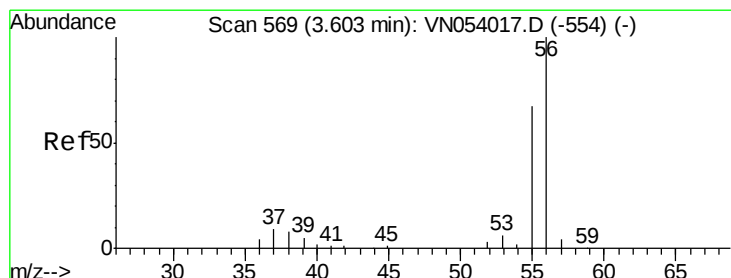
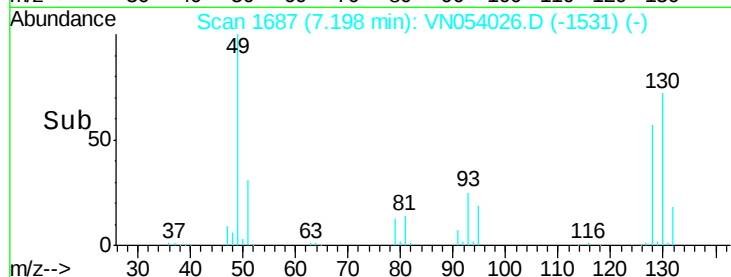
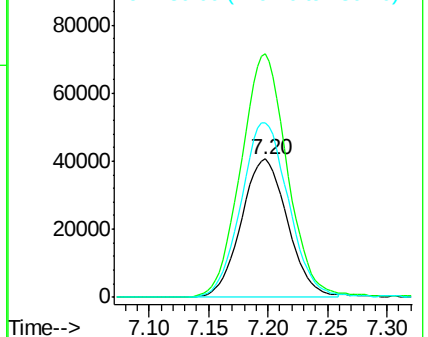
128 100

49 176.5 0.0 431.8

130 130.1 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 23.788 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN054026.D

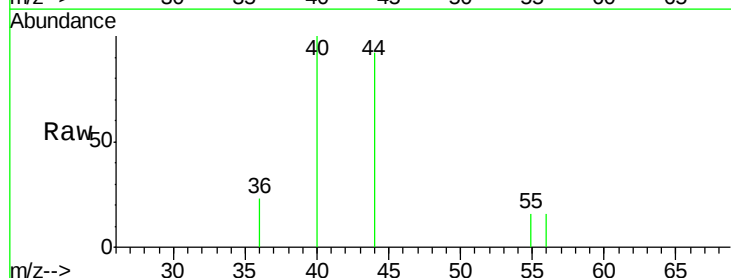
Acq: 1 Mar 2019 13:44

Tgt Ion: 56 Resp: 124

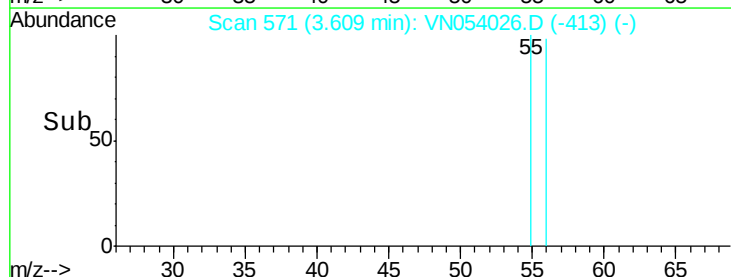
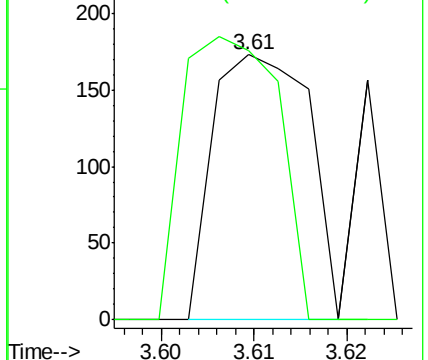
Ion Ratio Lower Upper

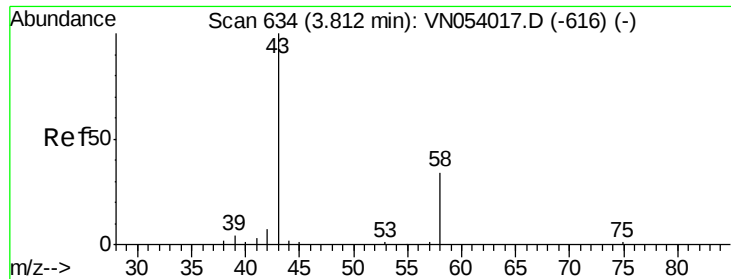
56 100

55 107.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): V
Ion 55.00 (54.70 to 55.70): V





#15

Acetone

Concen: 3.498 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

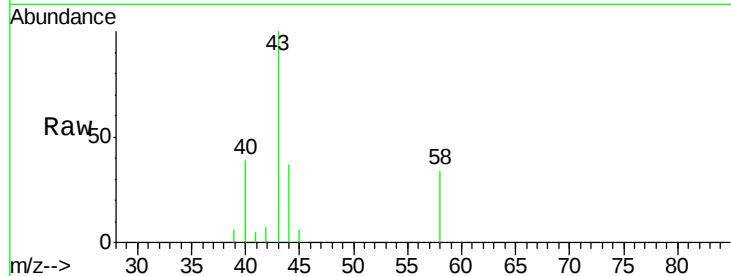
TP-MH-C02

Tot Ion: 58 Resp: 2466

Ion Ratio Lower Upper

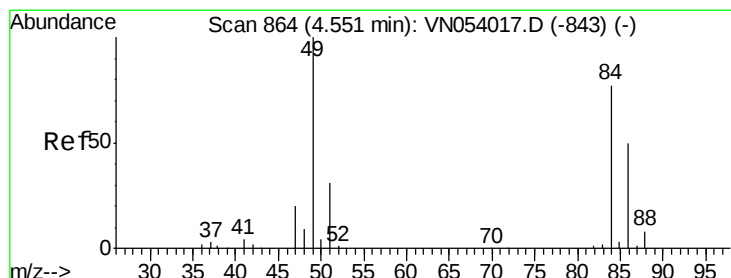
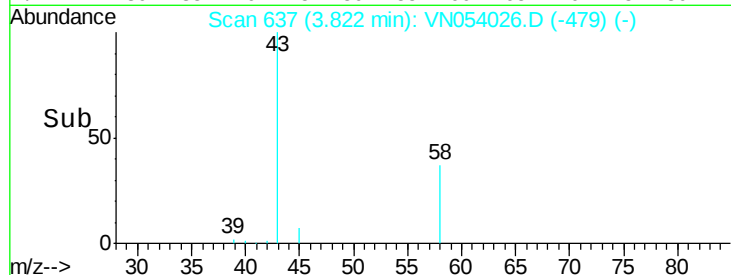
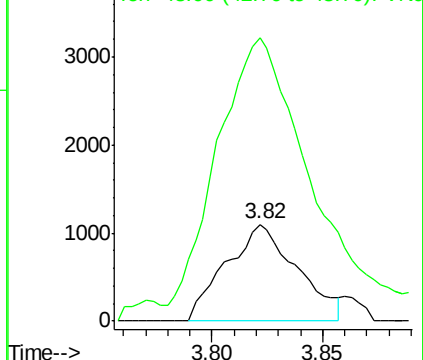
58 100

43 228.5 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#18

Methylene Chloride

Concen: 0.278 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Tgt Ion: 84 Resp: 1935

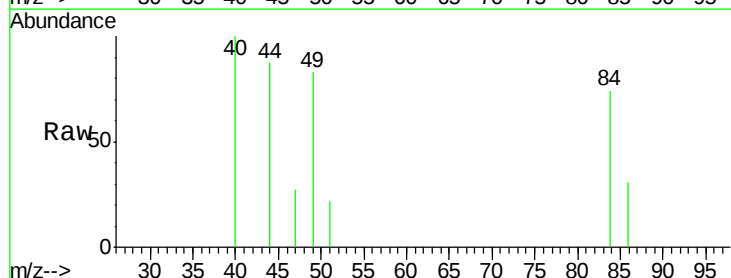
Ion Ratio Lower Upper

84 100

49 82.2 101.4 152.0#

51 30.3 31.7 47.5#

86 42.3 50.1 75.1#

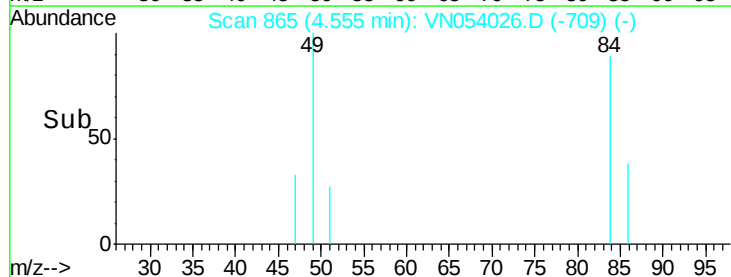
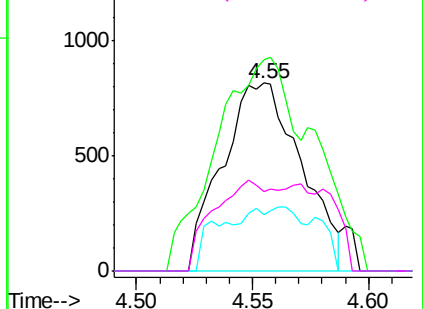


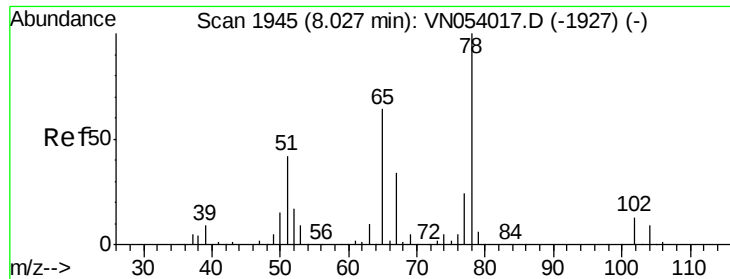
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

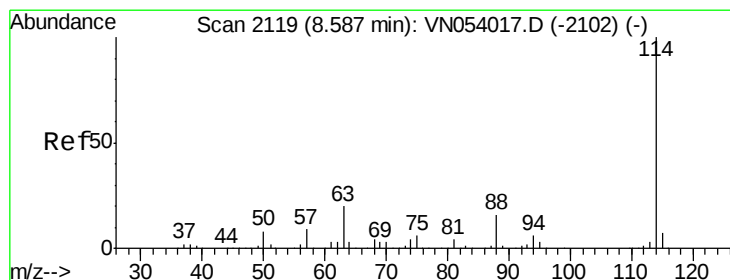
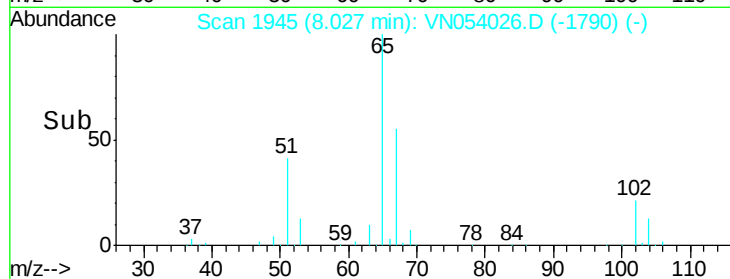
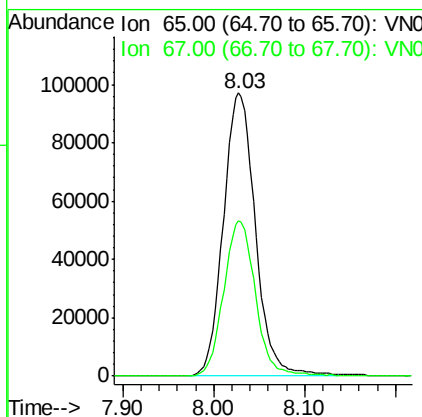
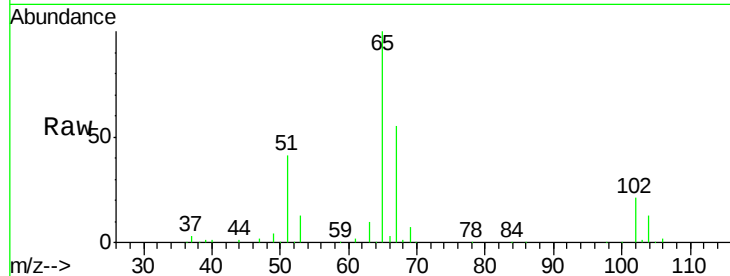




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054026.D
 Acq: 1 Mar 2019 13:44

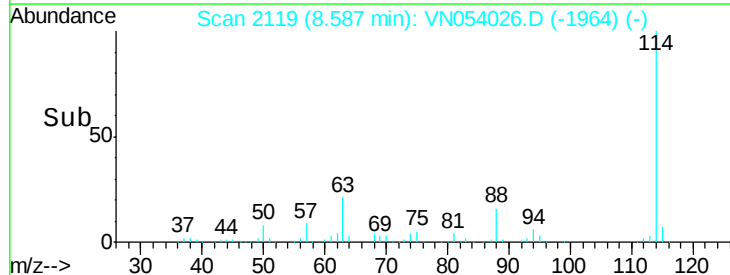
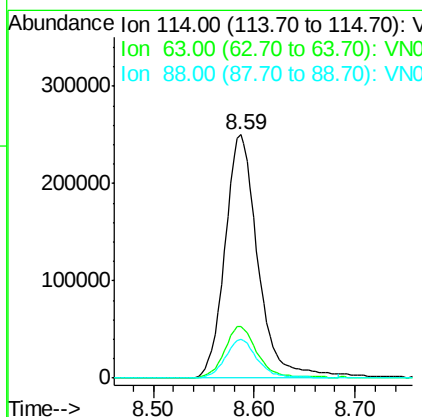
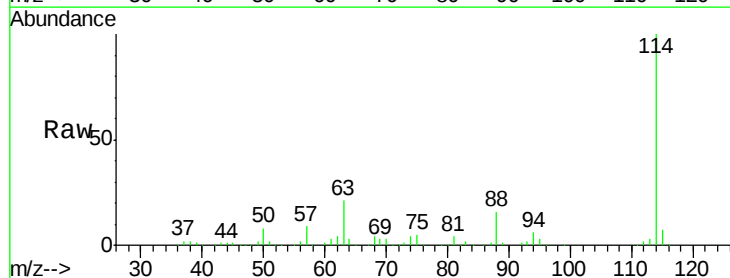
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C02

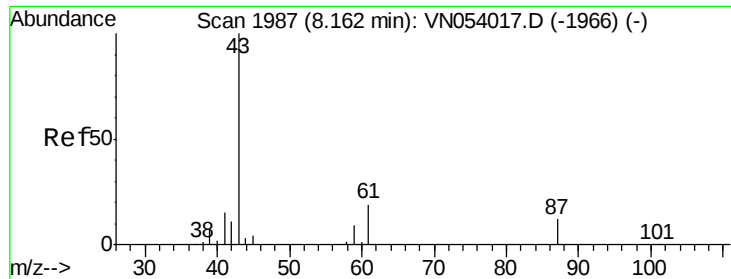
Tot Ion: 65 Resp: 237471
 Ion Ratio Lower Upper
 65 100
 67 54.2 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054026.D
 Acq: 1 Mar 2019 13:44

Tgt Ion: 114 Resp: 570173
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.9 25.3
 88 15.6 12.8 19.2





#44

Isopropyl Acetate

Concen: 0.488 ug/l

RT: 8.19 min Scan# 1997

Delta R.T. 0.03 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

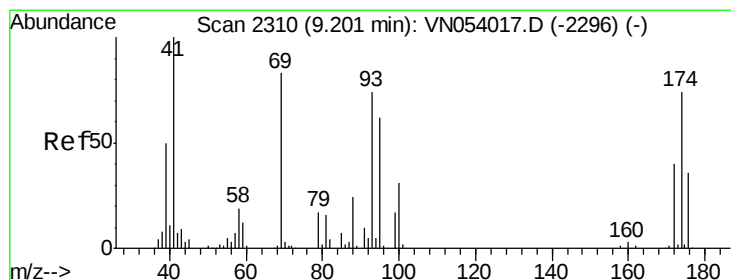
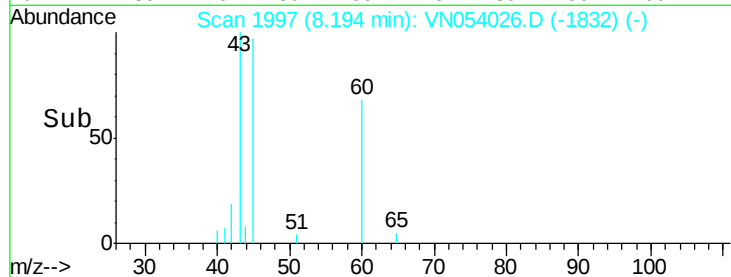
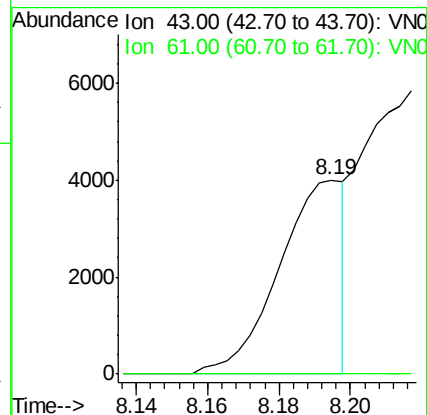
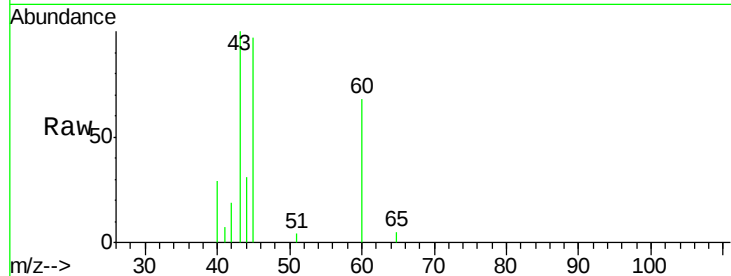
TP-MH-C02

Tot Ion: 43 Resp: 5061

Ion Ratio Lower Upper

43 100

61 0.0 16.0 24.0#



#45

1,4-Dioxane

Concen: 33.301 ug/l

RT: 8.75 min Scan# 2170

Delta R.T. -0.45 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

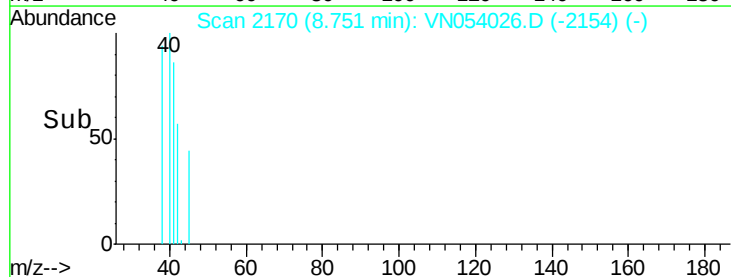
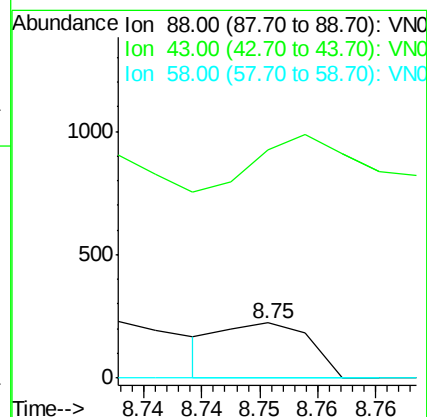
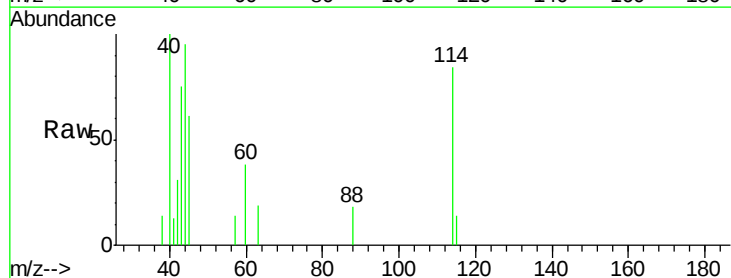
Tgt Ion: 88 Resp: 116

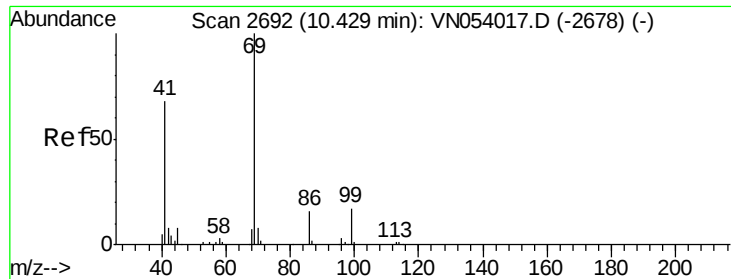
Ion Ratio Lower Upper

88 100

43 125.9 29.5 44.3#

58 0.0 61.5 92.3#





#51

Ethyl methacrylate

Concen: 0.309 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

TP-MH-C02

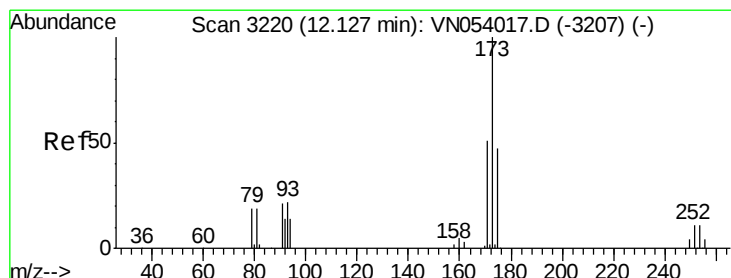
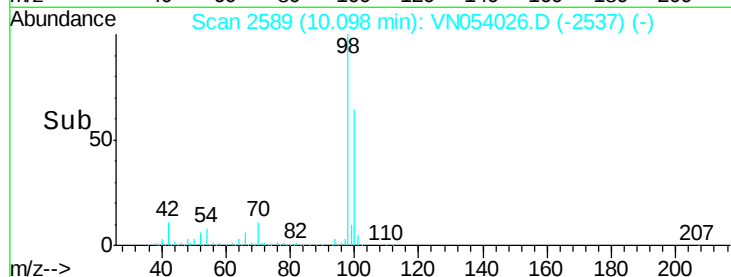
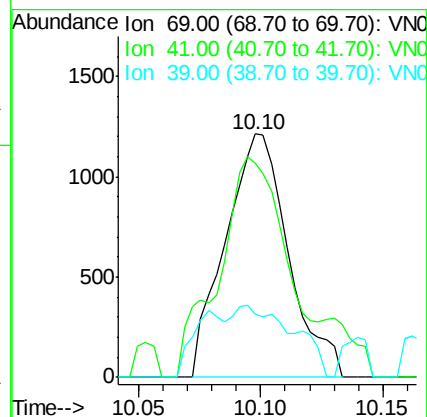
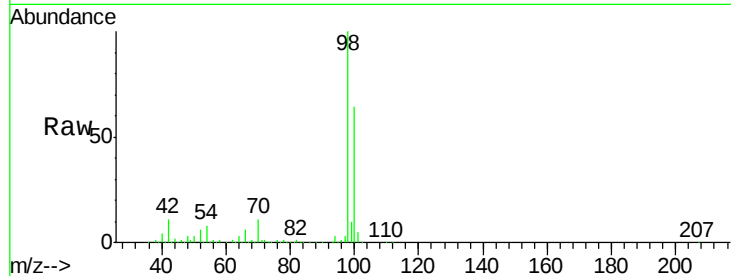
Tot Ion: 69 Resp: 2177

Ion Ratio Lower Upper

69 100

41 66.5 34.4 103.3

39 13.6 16.4 49.2#



#56

Bromoform

Concen: 0.415 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

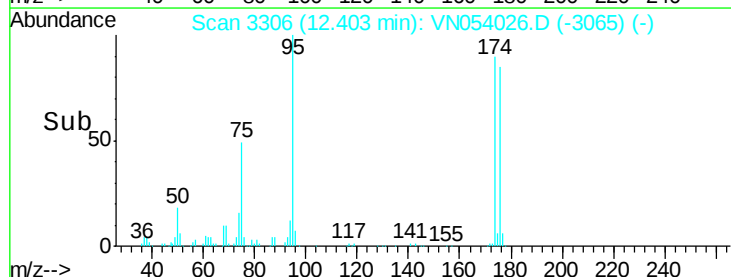
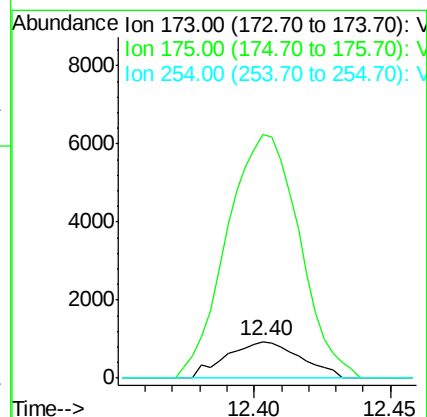
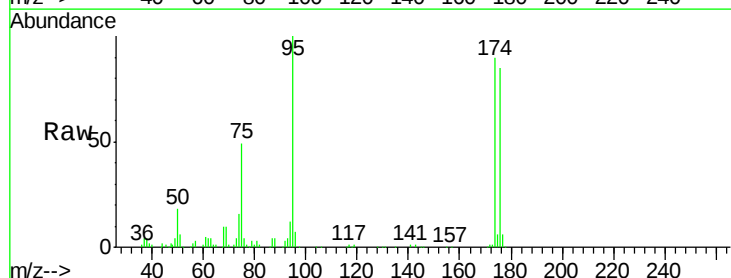
Tgt Ion: 173 Resp: 1769

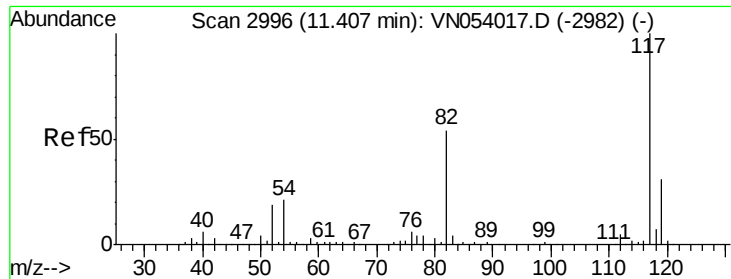
Ion Ratio Lower Upper

173 100

175 650.5 38.7 58.1#

254 0.0 8.4 12.6#

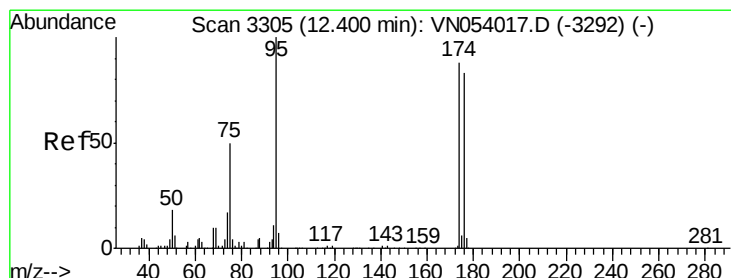
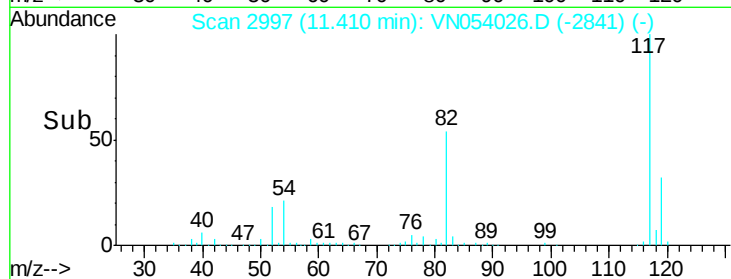
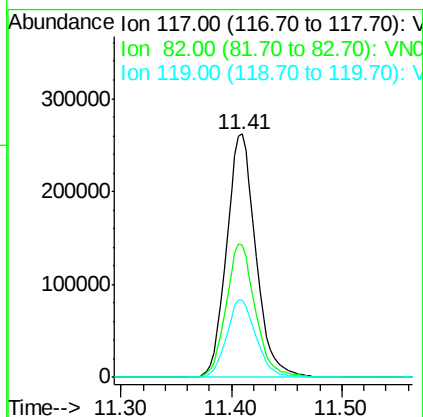
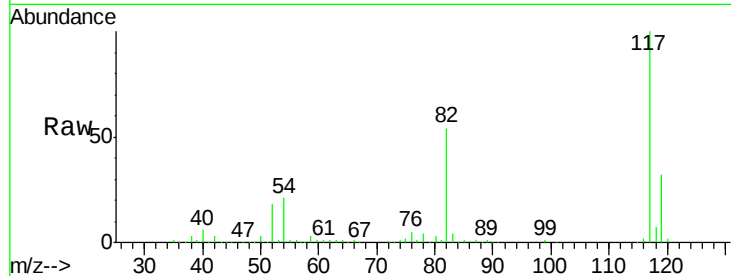




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054026.D
Acq: 1 Mar 2019 13:44

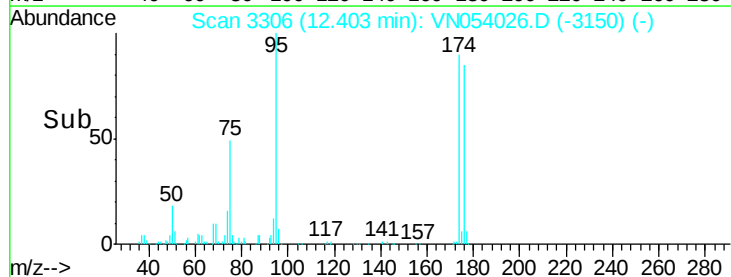
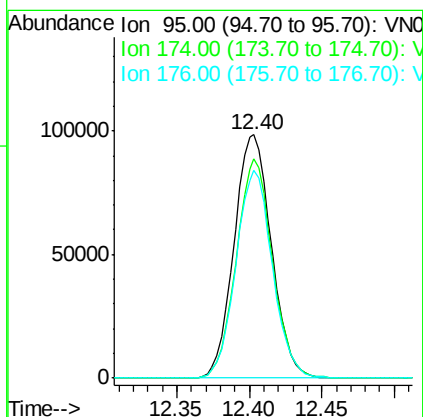
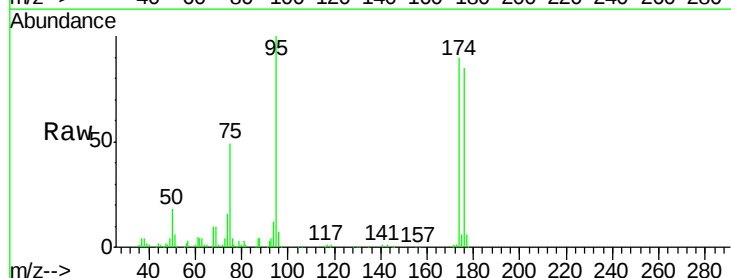
Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C02

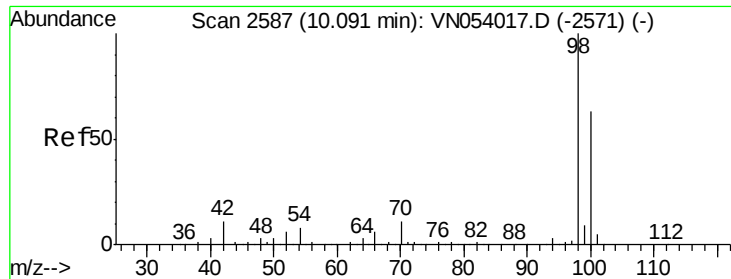
Tot Ion:117 Resp: 480098
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.2 25.4 38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054026.D
Acq: 1 Mar 2019 13:44

Tgt Ion: 95 Resp: 175932
Ion Ratio Lower Upper
95 100
174 87.3 67.9 101.9
176 83.4 66.4 99.6





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

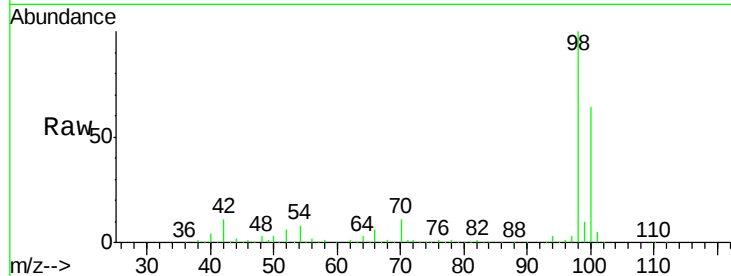
TP-MH-C02

Tot Ion: 98 Resp: 692723

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) (-)

10.09

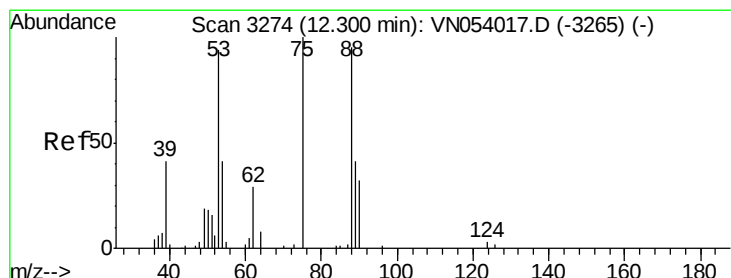
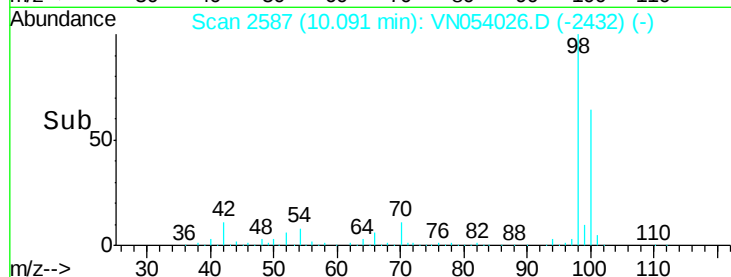
300000

200000

100000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 48.073 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

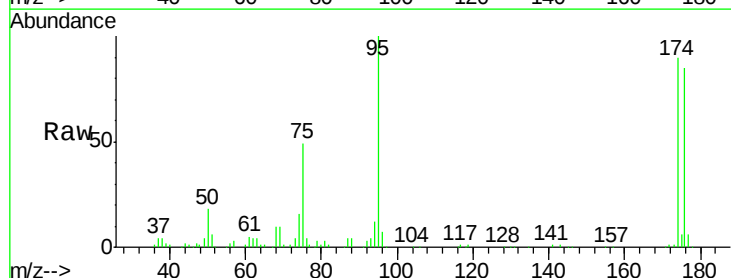
Tgt Ion: 75 Resp: 86131

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VN054017.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN054017.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN054017.D (-3265) (-)

12.40

60000

50000

40000

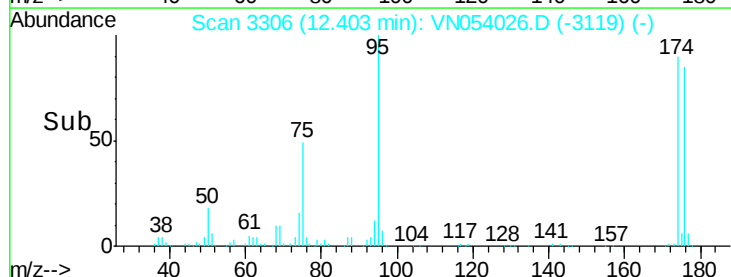
30000

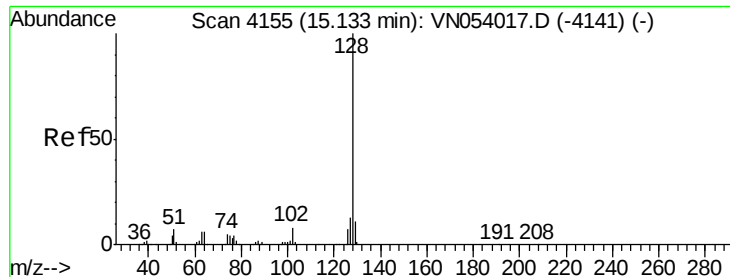
20000

10000

0

Time-->





#91

Naphthalene

Concen: 7.215 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

TP-MH-C02

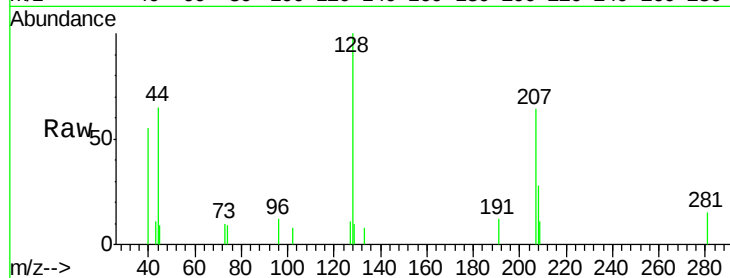
Tot Ion:128 Resp: 3356

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

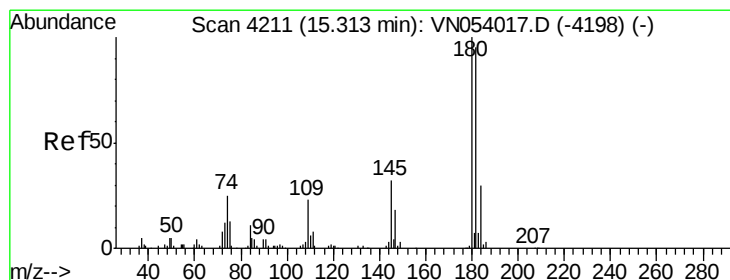
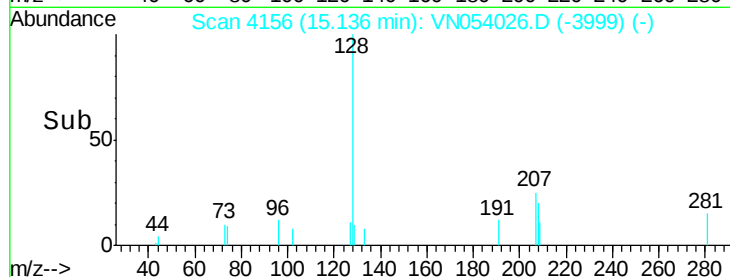
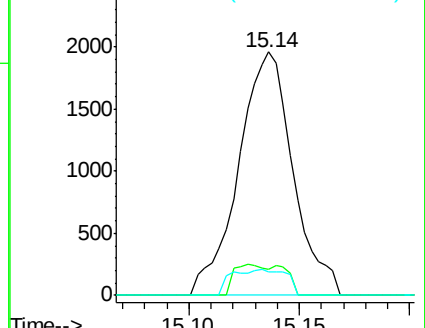
129 1.9 8.5 12.7#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.226 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054026.D

Acq: 1 Mar 2019 13:44

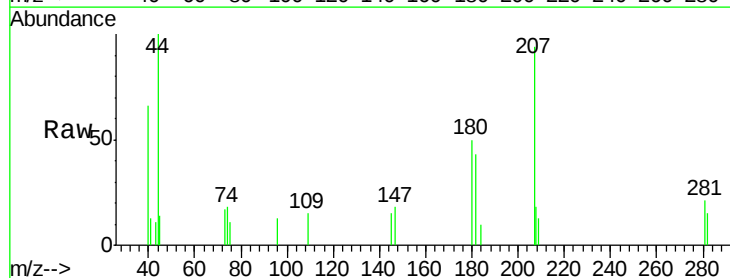
Tgt Ion:180 Resp: 1315

Ion Ratio Lower Upper

180 100

182 94.4 0.0 196.2

145 21.7 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

