

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054103.D
 Acq On : 5 Mar 2019 17:01
 Operator : JC/SP
 Sample : K1727-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Mar 06 02:22:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	591970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1074587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366981	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	382559	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
35) Dibromofluoromethane	7.59	113	357106	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1399179	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	459678	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	

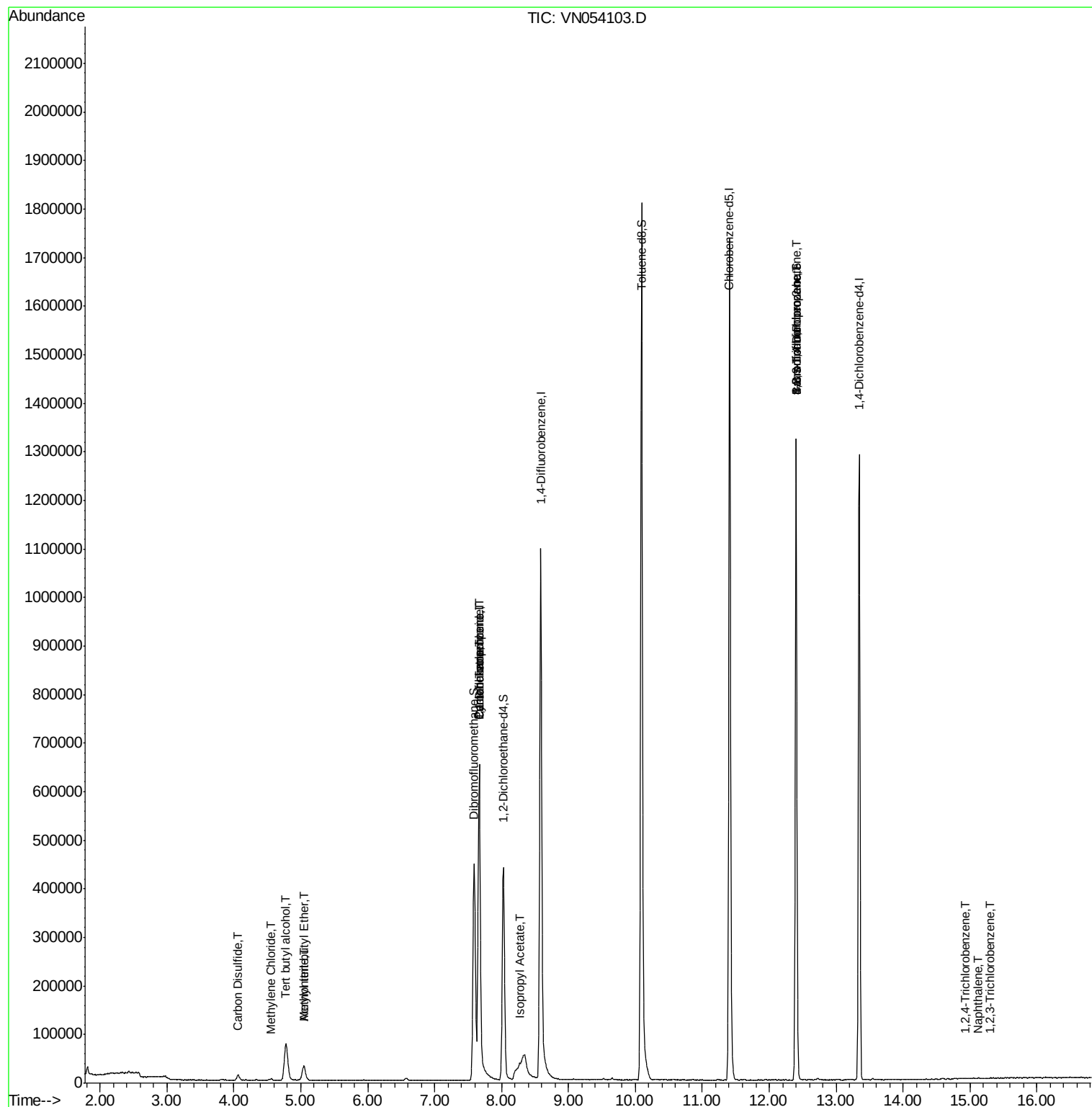
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	140051	318.367	ug/l	100
15) Acrylonitrile	5.05	53	623	0.269	ug/l #	28
16) Acetone	3.82	43	2229	Below Cal		95
17) Carbon Disulfide	4.06	76	5654	0.300	ug/l #	94
19) Methyl tert-butyl Ether	5.05	73	48587	3.099	ug/l	100
20) Methylene Chloride	4.56	84	1898	0.276	ug/l #	96
31) Cyclohexane	7.67	56	11038	0.590	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41448	4.030	ug/l #	47
38) Carbon Tetrachloride	7.66	117	52085	4.869	ug/l #	17
43) Isopropyl Acetate	8.27	43	45855	3.698	ug/l #	59
71) Bromoform	12.40	173	3319	0.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	220174	37.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	220174	118.207	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	236	2.256	ug/l #	41
95) Naphthalene	15.14	128	928	3.272	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	432	1.623	ug/l #	48

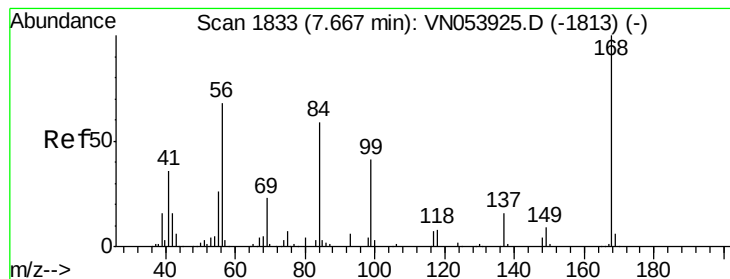
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054103.D

Acq: 5 Mar 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

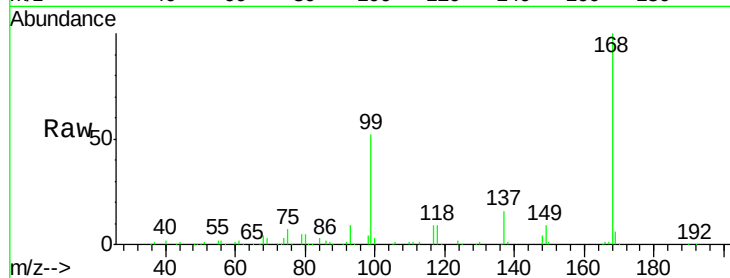
MW-6

Tot Ion:168 Resp: 591970

Ion Ratio Lower Upper

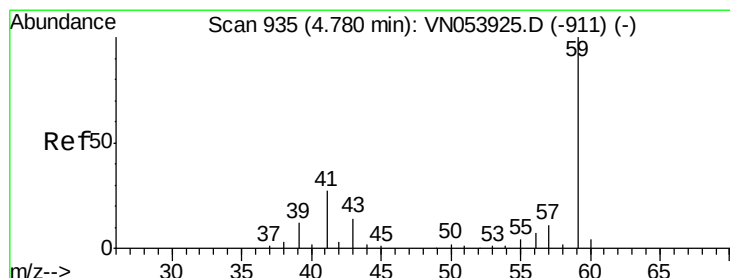
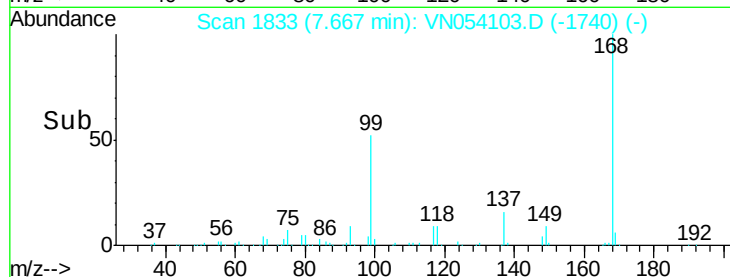
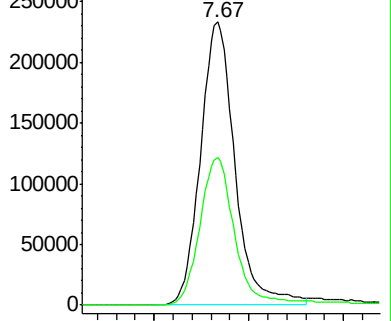
168 100

99 52.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 318.367 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN054103.D

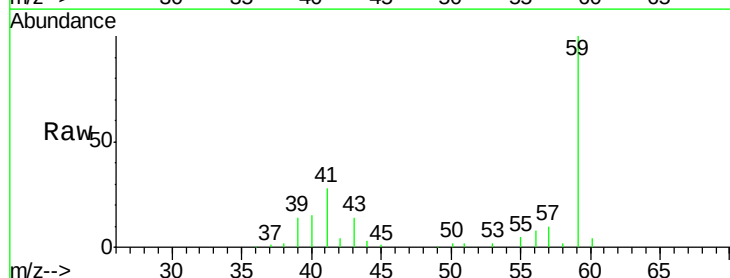
Acq: 5 Mar 2019 17:01

Tgt Ion: 59 Resp: 140051

Ion Ratio Lower Upper

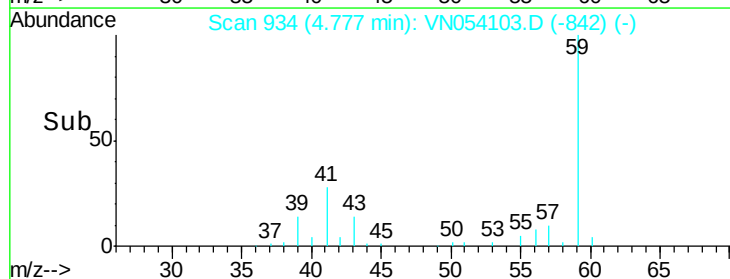
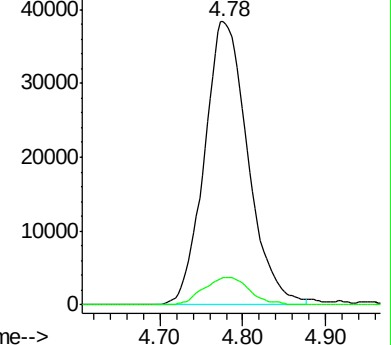
59 100

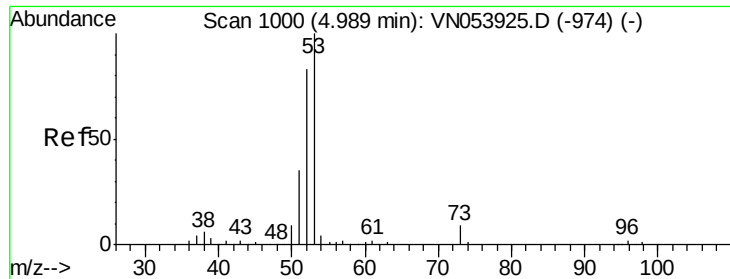
57 10.3 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

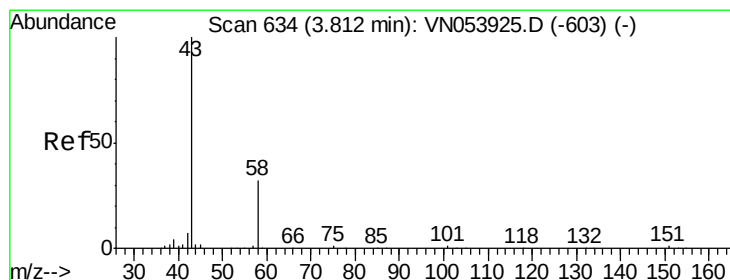
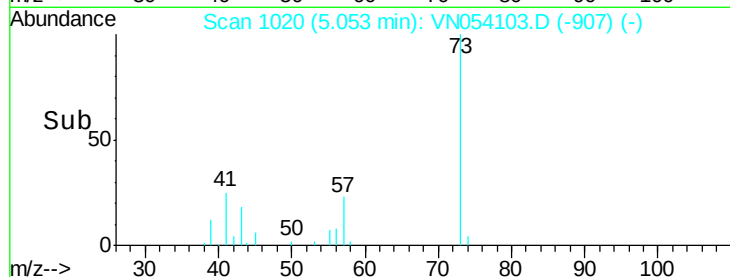
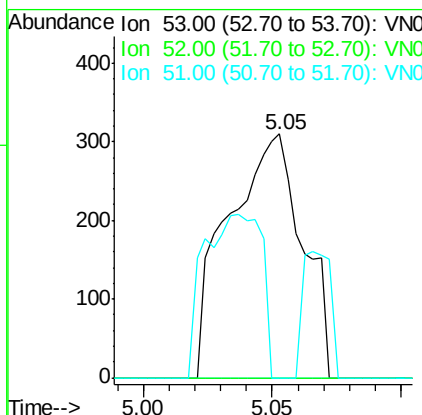
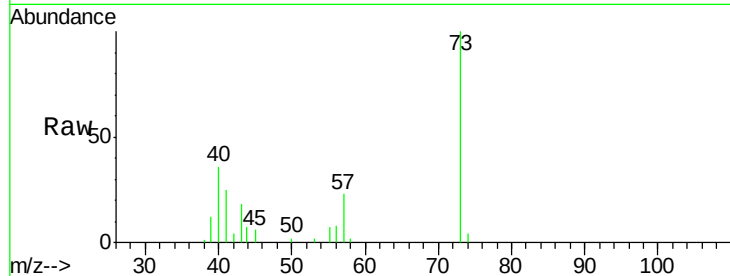




#15
 Acrylonitrile
 Concen: 0.269 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.06 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

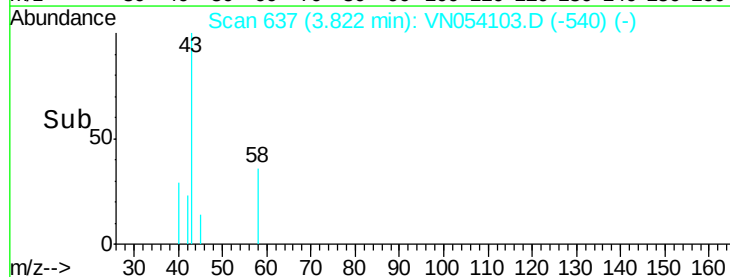
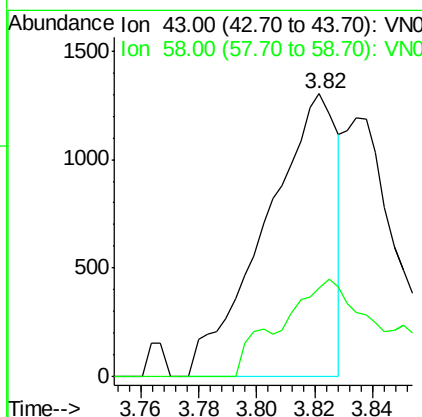
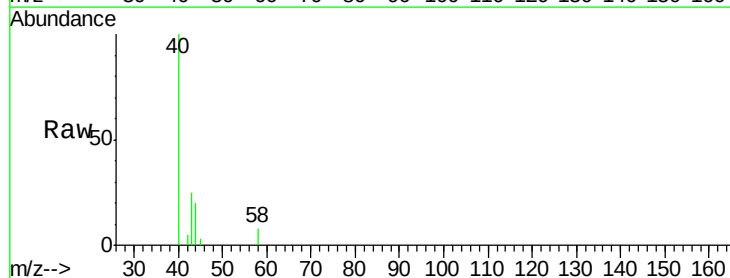
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

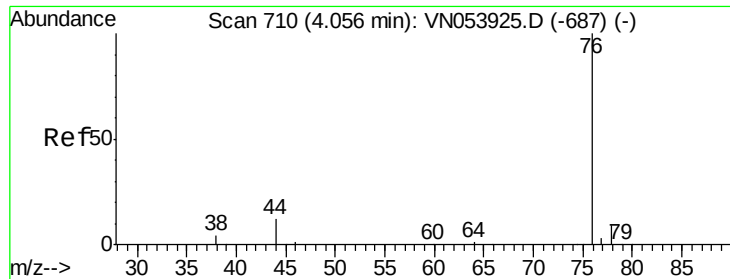
Tot Ion: 53 Resp: 623
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.1 97.7#
 51 19.3 28.2 42.4#



#16
 Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

Tgt Ion: 43 Resp: 2229
 Ion Ratio Lower Upper
 43 100
 58 31.4 27.6 41.4





#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054103.D

Acq: 5 Mar 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

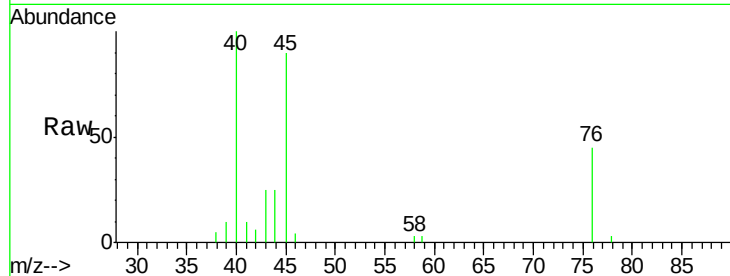
MW-6

Tot Ion: 76 Resp: 5654

Ion Ratio Lower Upper

76 100

78 7.4 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

2500

2000

1500

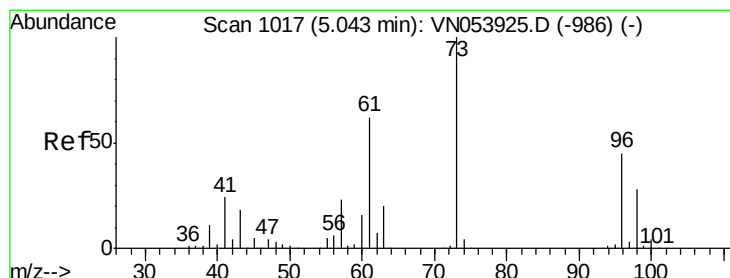
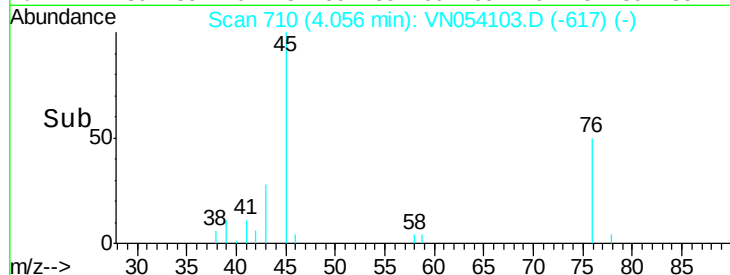
1000

500

0

Time-->

4.00 4.05 4.10



#19

Methyl tert-butyl Ether

Concen: 3.099 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN054103.D

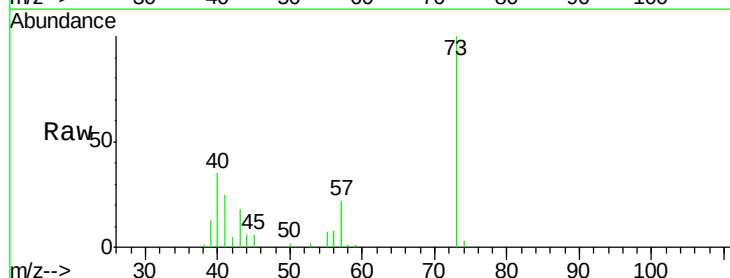
Acq: 5 Mar 2019 17:01

Tgt Ion: 73 Resp: 48587

Ion Ratio Lower Upper

73 100

57 22.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

15000

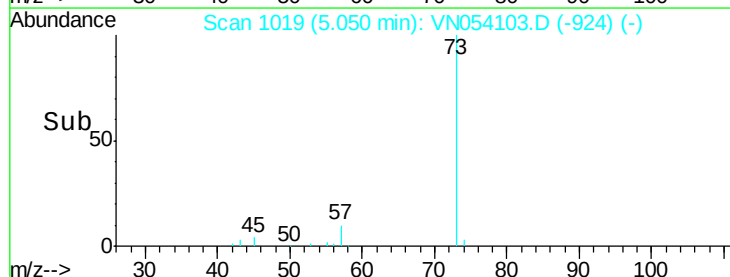
10000

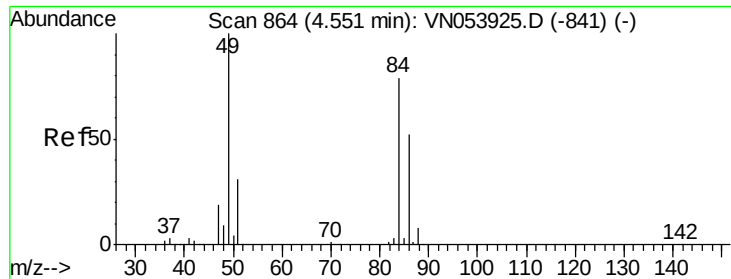
5000

0

Time-->

4.90 5.00 5.10 5.20

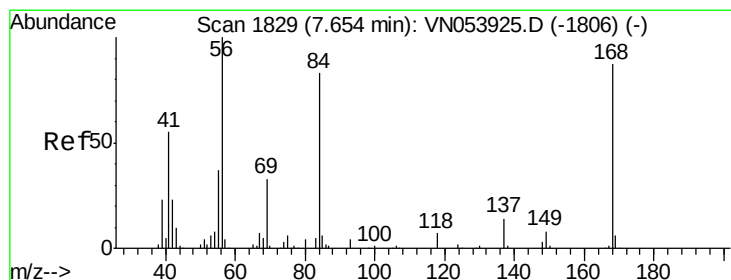
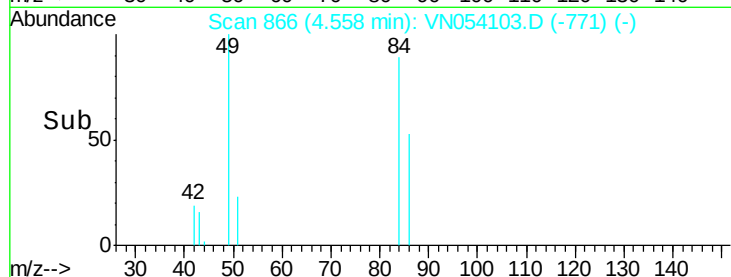
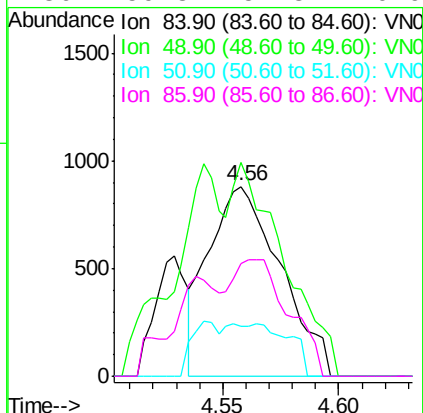
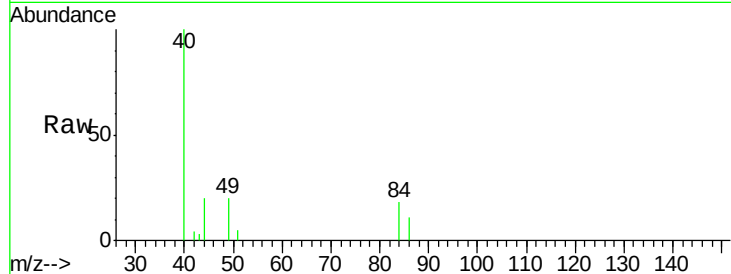




#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

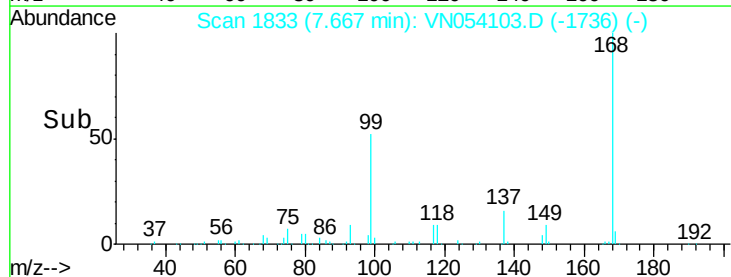
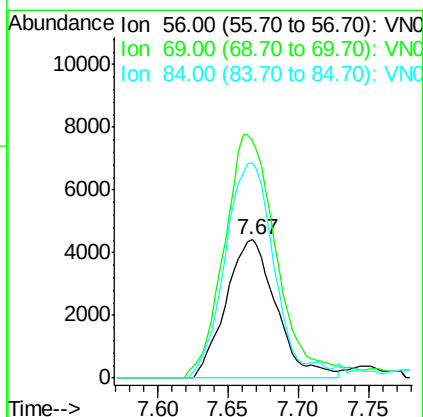
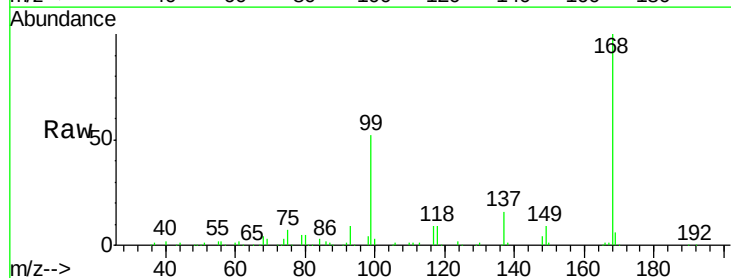
Instrument :
MSVOA_N
ClientSampled :
MW-6

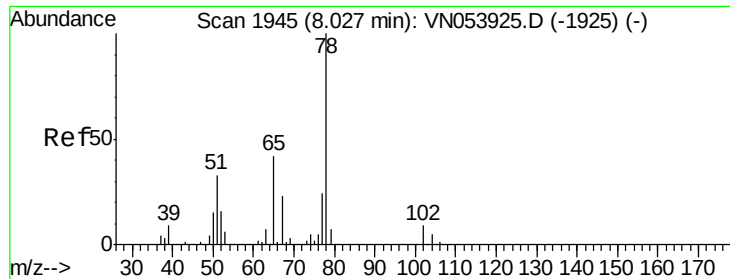
Tot Ion: 84 Resp: 1898
Ion Ratio Lower Upper
84 100
49 112.7 89.7 134.5
51 26.5 27.8 41.8#
86 59.8 51.3 76.9



#31
Cyclohexane
Concen: 0.590 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Tgt Ion: 56 Resp: 11038
Ion Ratio Lower Upper
56 100
69 166.1 26.0 39.0#
84 156.0 69.1 103.7#

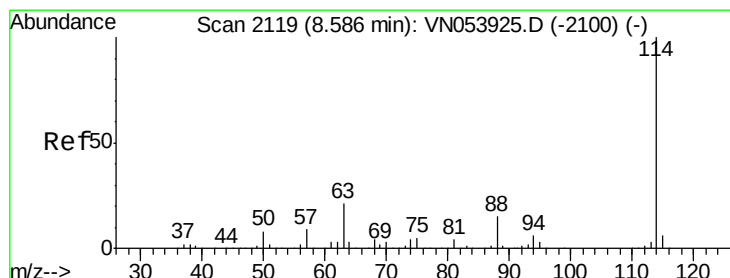
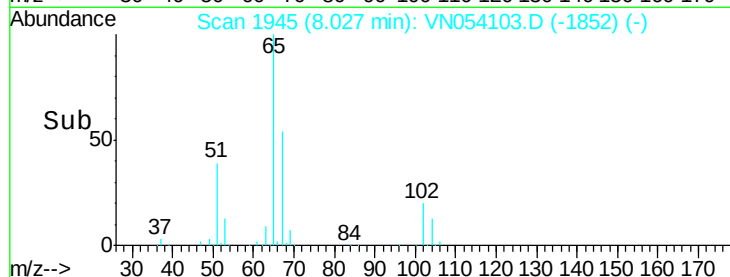
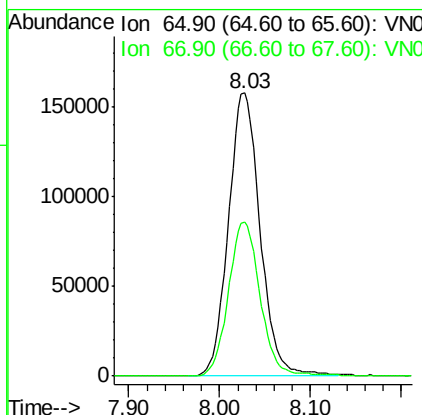
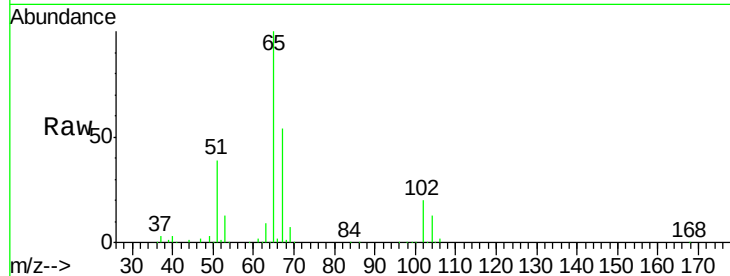




#33
 1,2-Dichloroethane-d4
 Concen: 55.130 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

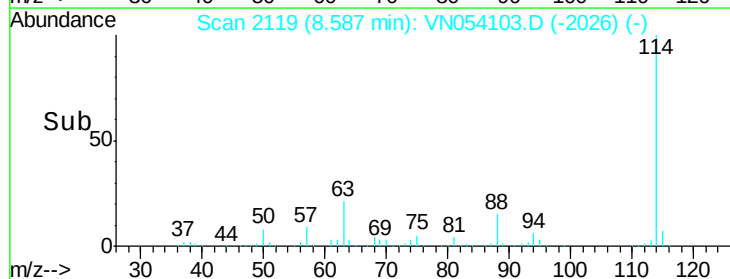
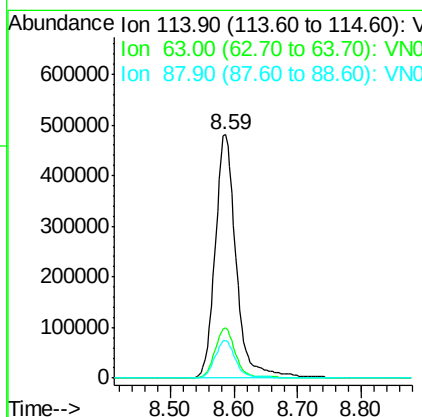
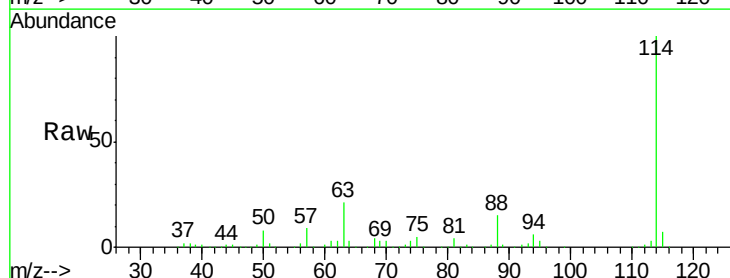
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

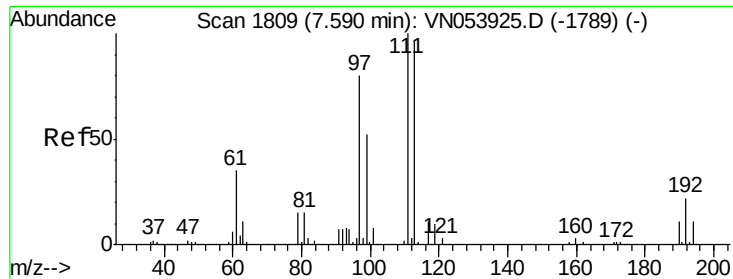
Tot Ion: 65 Resp: 382559
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

Tgt Ion: 114 Resp: 1106065
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.4
 88 15.5 0.0 30.4

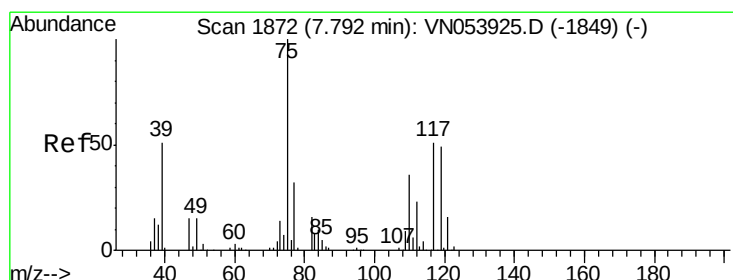
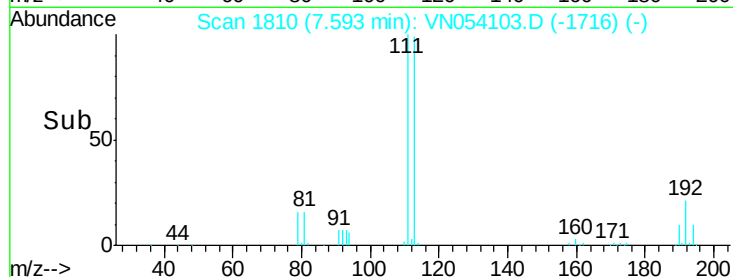
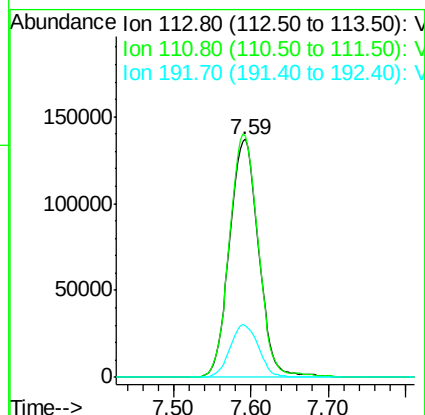
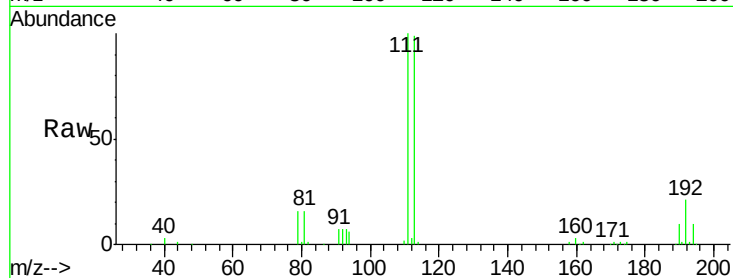




#35
 Dibromofluoromethane
 Concen: 49.928 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

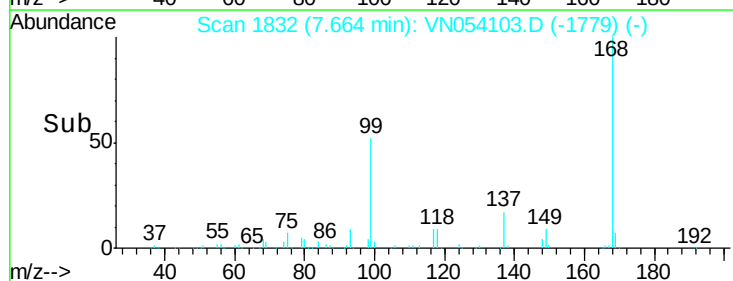
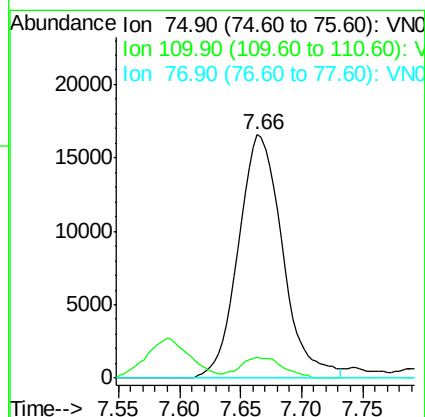
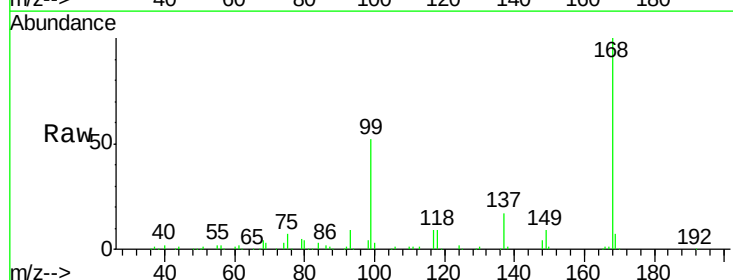
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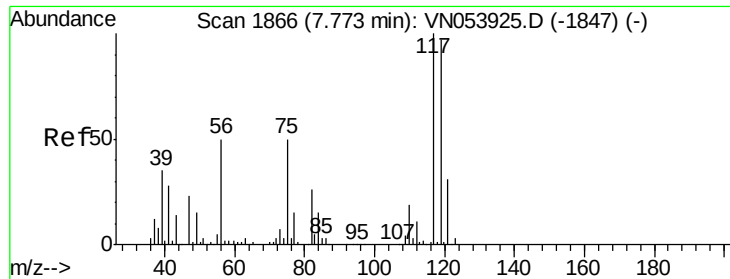
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	21.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.030 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054103.D
 Acq: 5 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.0	57.0#
77	0.0	25.4	38.0#

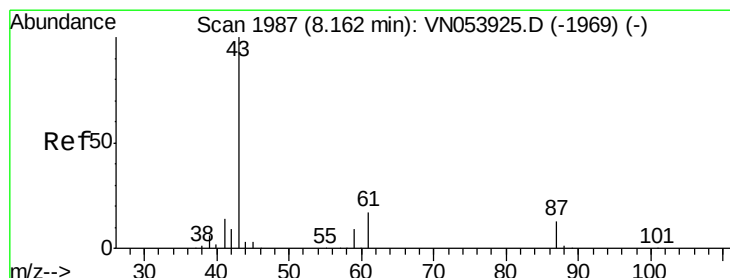
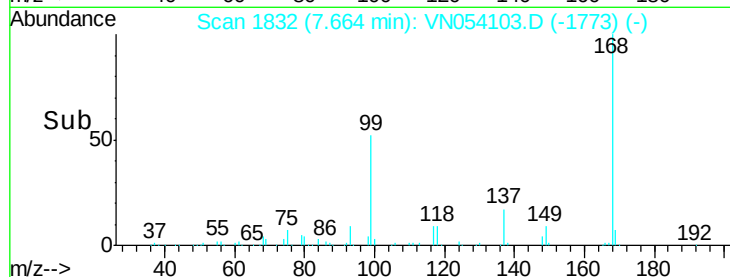
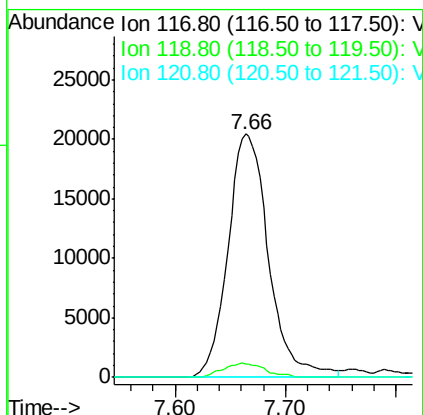
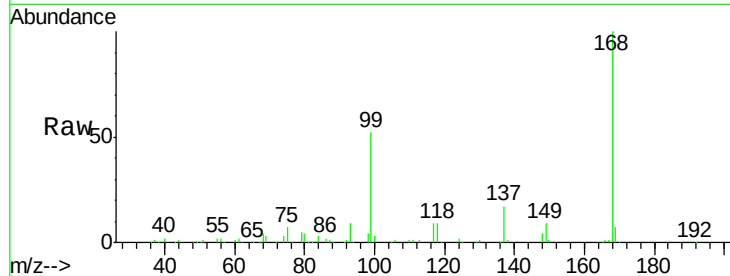




#38
Carbon Tetrachloride
Concen: 4.869 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

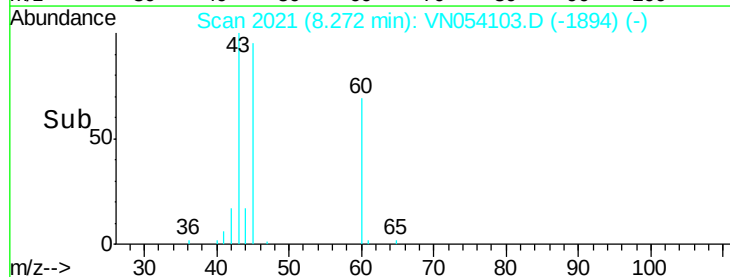
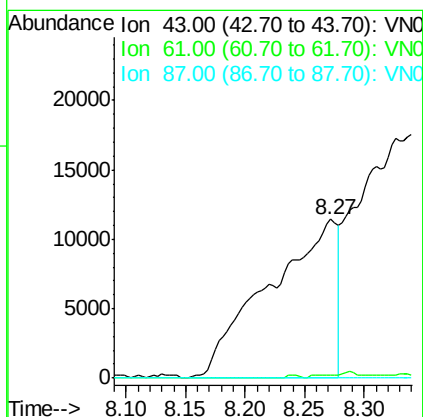
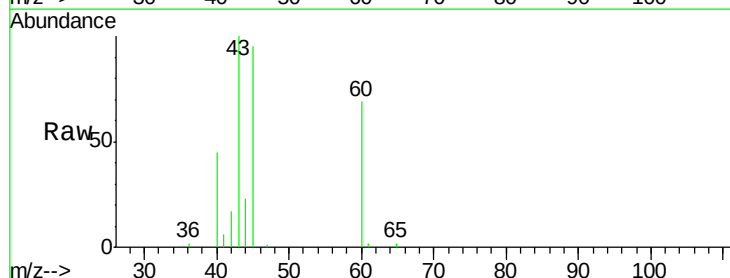
Instrument :
MSVOA_N
ClientSampled :
MW-6

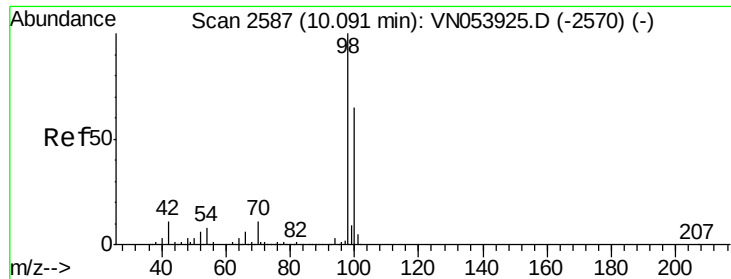
Tot Ion:117 Resp: 52085
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.698 ug/l
RT: 8.27 min Scan# 2021
Delta R.T. 0.11 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Tgt Ion: 43 Resp: 45855
Ion Ratio Lower Upper
43 100
61 0.5 17.4 26.0#
87 0.0 11.5 17.3#

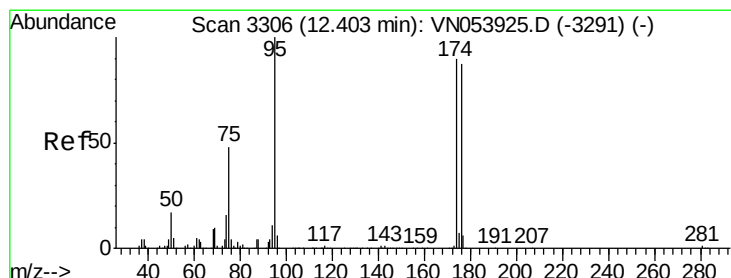
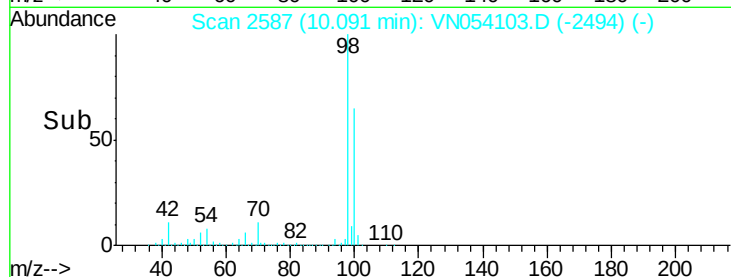
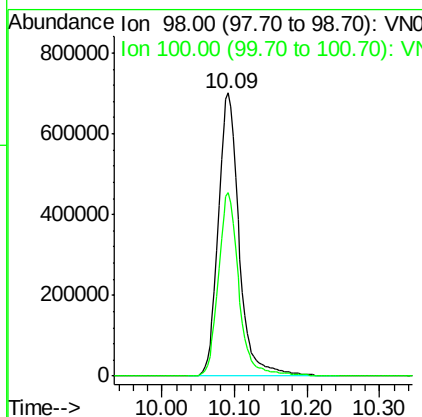
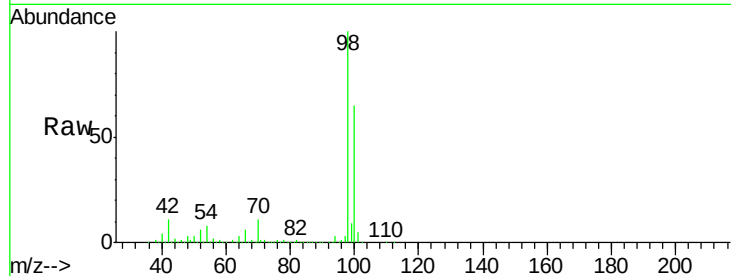




#50
Toluene-d8
Concen: 52.550 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

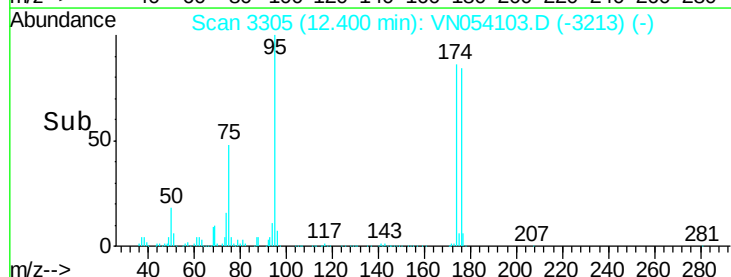
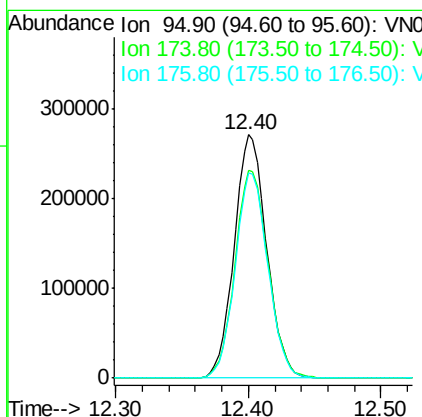
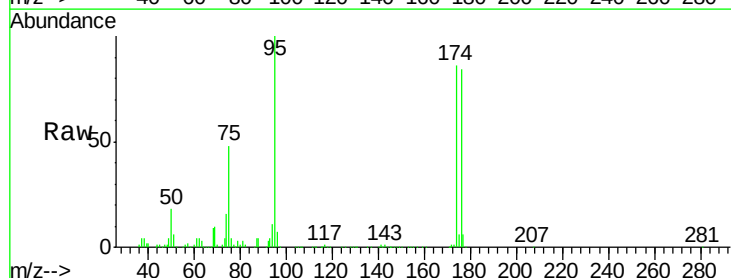
Instrument :
MSVOA_N
ClientSampled :
MW-6

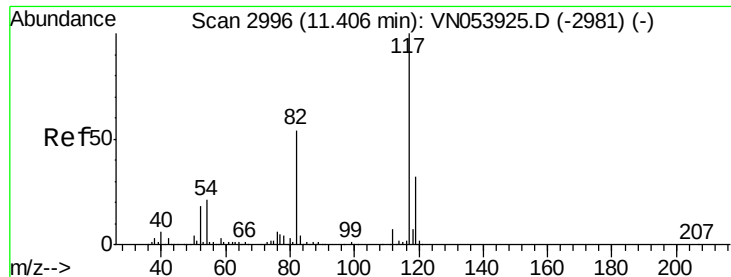
Tot Ion: 98 Resp: 1399179
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.819 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Tgt Ion: 95 Resp: 459678
Ion Ratio Lower Upper
95 100
174 87.5 0.0 188.8
176 84.8 0.0 182.6

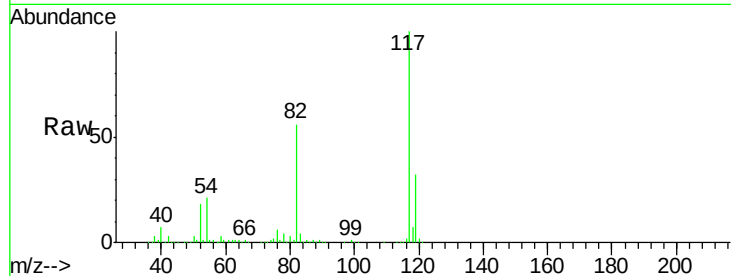




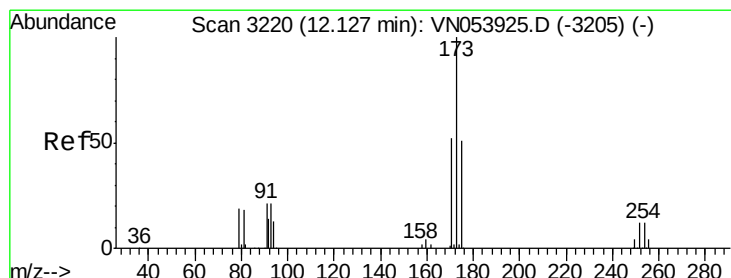
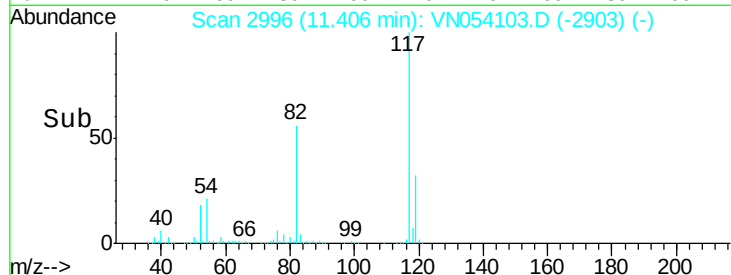
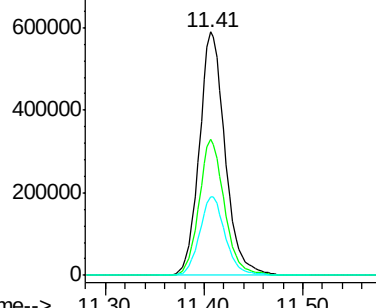
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:117 Resp: 1074587
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.2
119 32.3 25.3 37.9

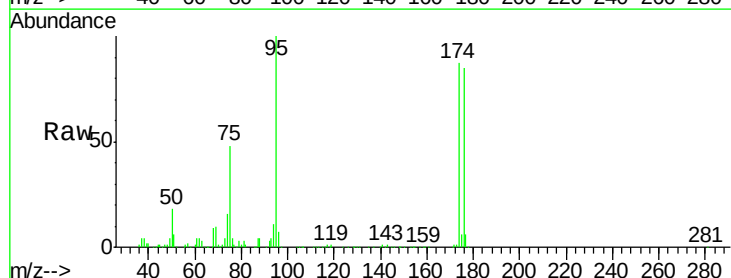


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

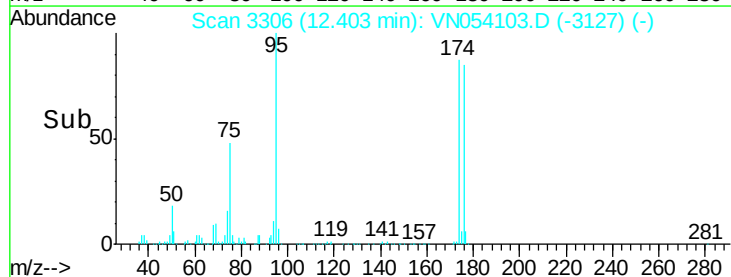
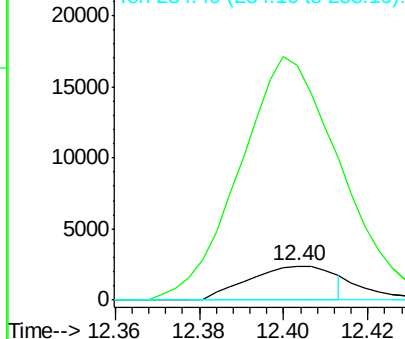


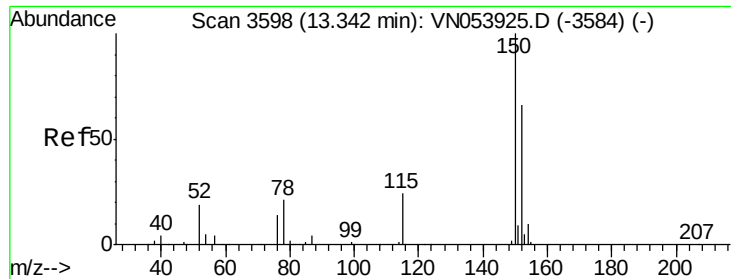
#71
Bromoform
Concen: 0.584 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Tgt Ion:173 Resp: 3319
Ion Ratio Lower Upper
173 100
175 734.7 24.3 72.8#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054103.D

Acq: 5 Mar 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

MW-6

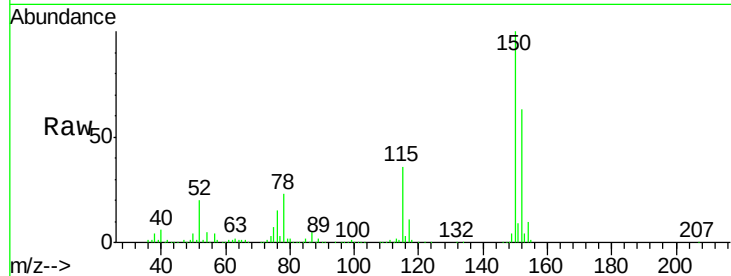
Tot Ion:152 Resp: 366981

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

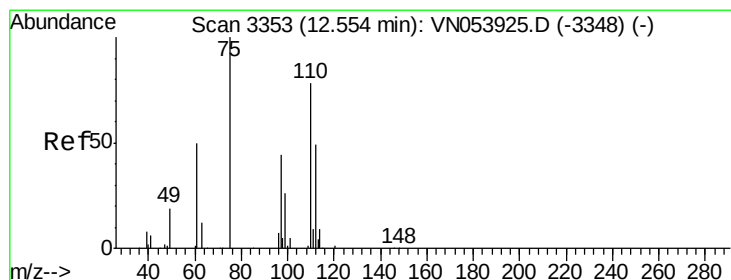
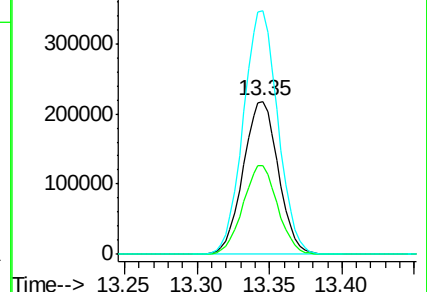
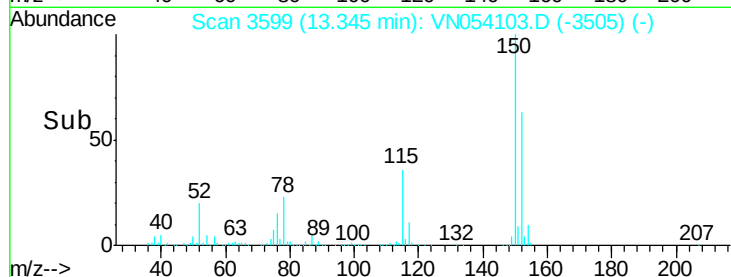
150 156.9 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 37.400 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054103.D

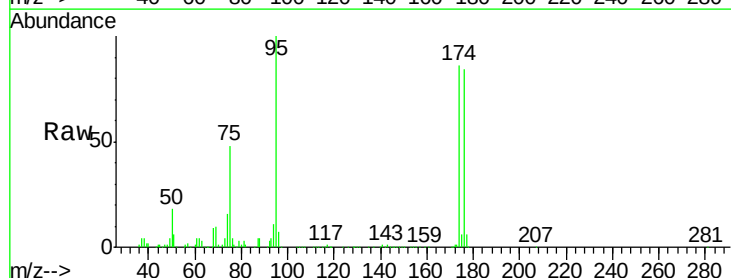
Acq: 5 Mar 2019 17:01

Tgt Ion: 75 Resp: 220174

Ion Ratio Lower Upper

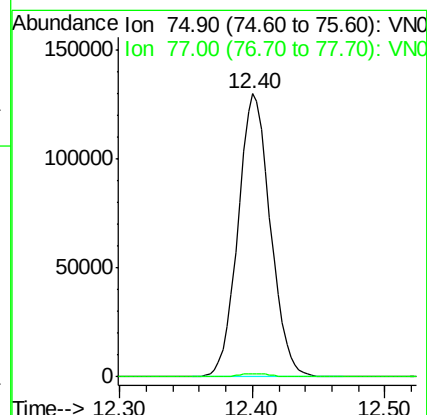
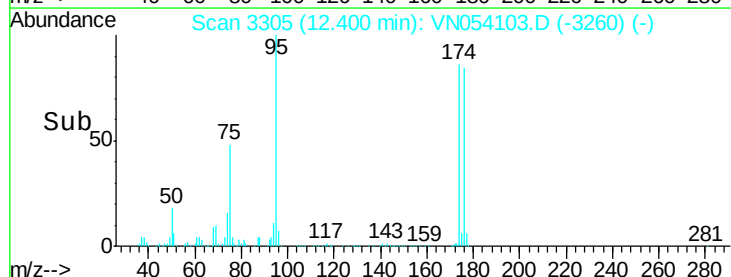
75 100

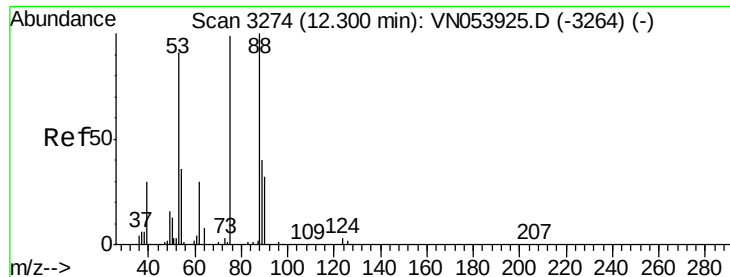
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

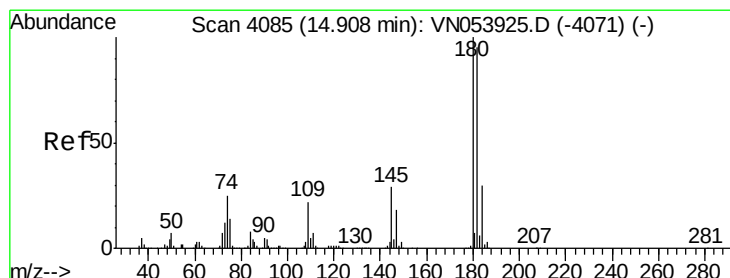
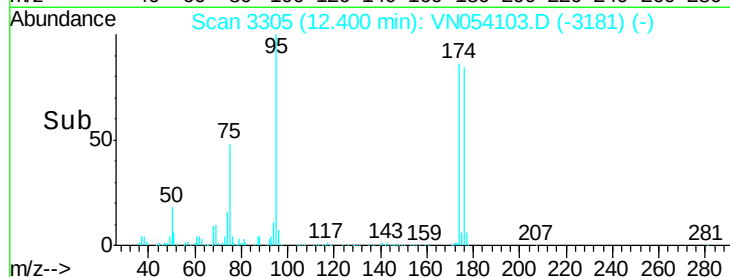
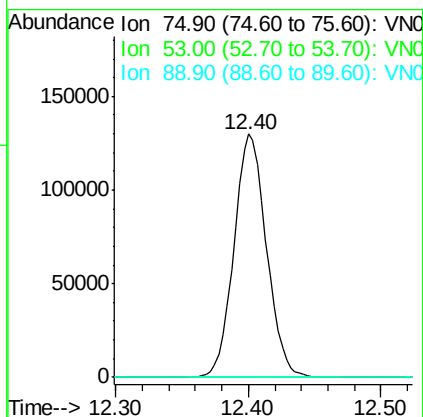
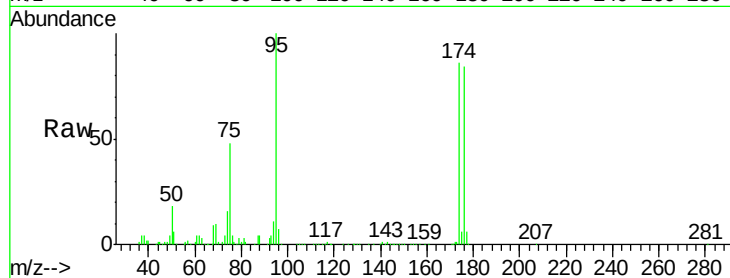




#81
trans-1,4-Dichloro-2-butene
Concen: 118.207 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

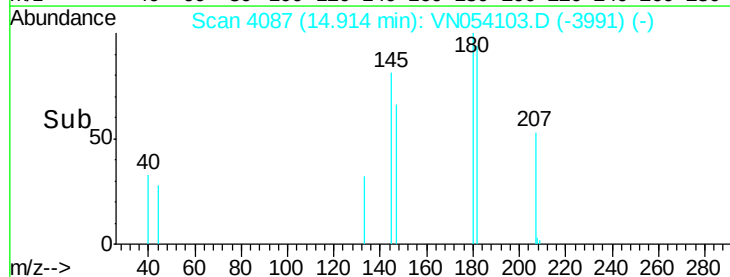
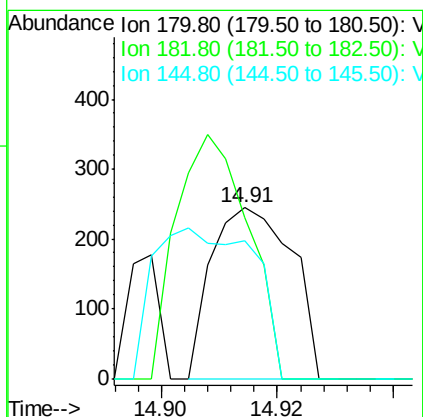
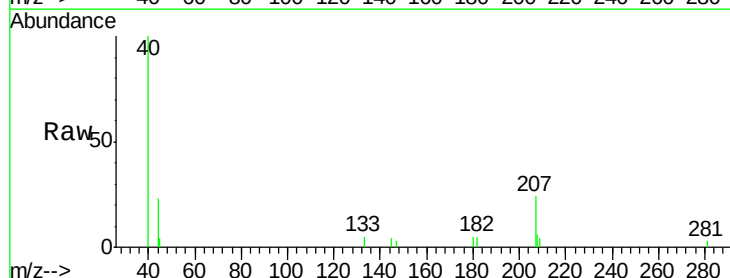
Instrument :
MSVOA_N
ClientSampleId :
MW-6

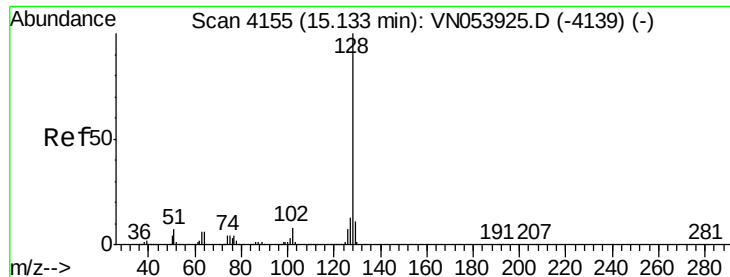
Tot Ion: 75 Resp: 220174
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.0 35.3 52.9#



#93
1,2,4-Trichlorobenzene
Concen: 2.256 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN054103.D
Acq: 5 Mar 2019 17:01

Tgt Ion:180 Resp: 236
Ion Ratio Lower Upper
180 100
182 127.5 48.6 145.9
145 109.7 13.8 41.3#





#95

Naphthalene

Concen: 3.272 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054103.D

Acq: 5 Mar 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

MW-6

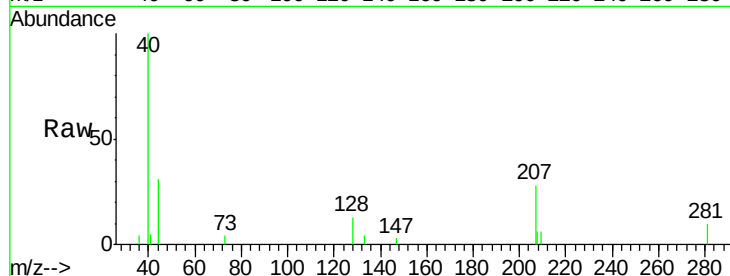
Tot Ion:128 Resp: 928

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

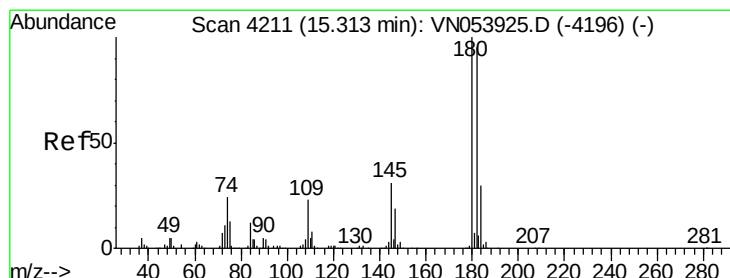
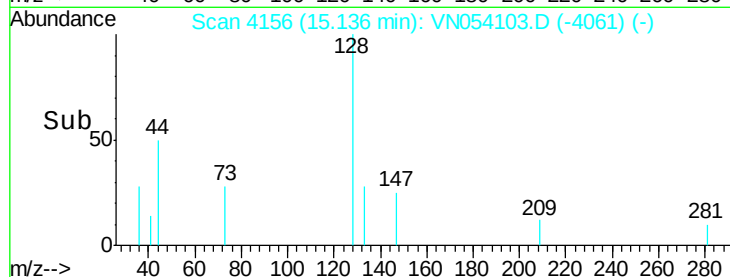
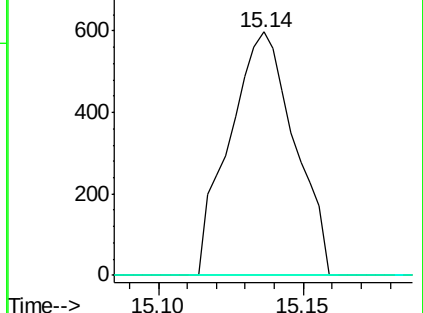
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.623 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054103.D

Acq: 5 Mar 2019 17:01

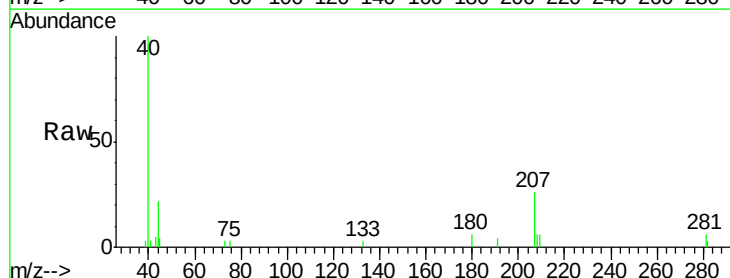
Tgt Ion:180 Resp: 432

Ion Ratio Lower Upper

180 100

182 44.9 47.3 141.8#

145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

