

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054102.D
 Acq On : 5 Mar 2019 16:35
 Operator : JC/SP
 Sample : K1727-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Mar 06 02:22:32 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	594128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343741	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	383058	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
35) Dibromofluoromethane	7.59	113	357709	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.09	98	1391126	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.40	95	442406	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	

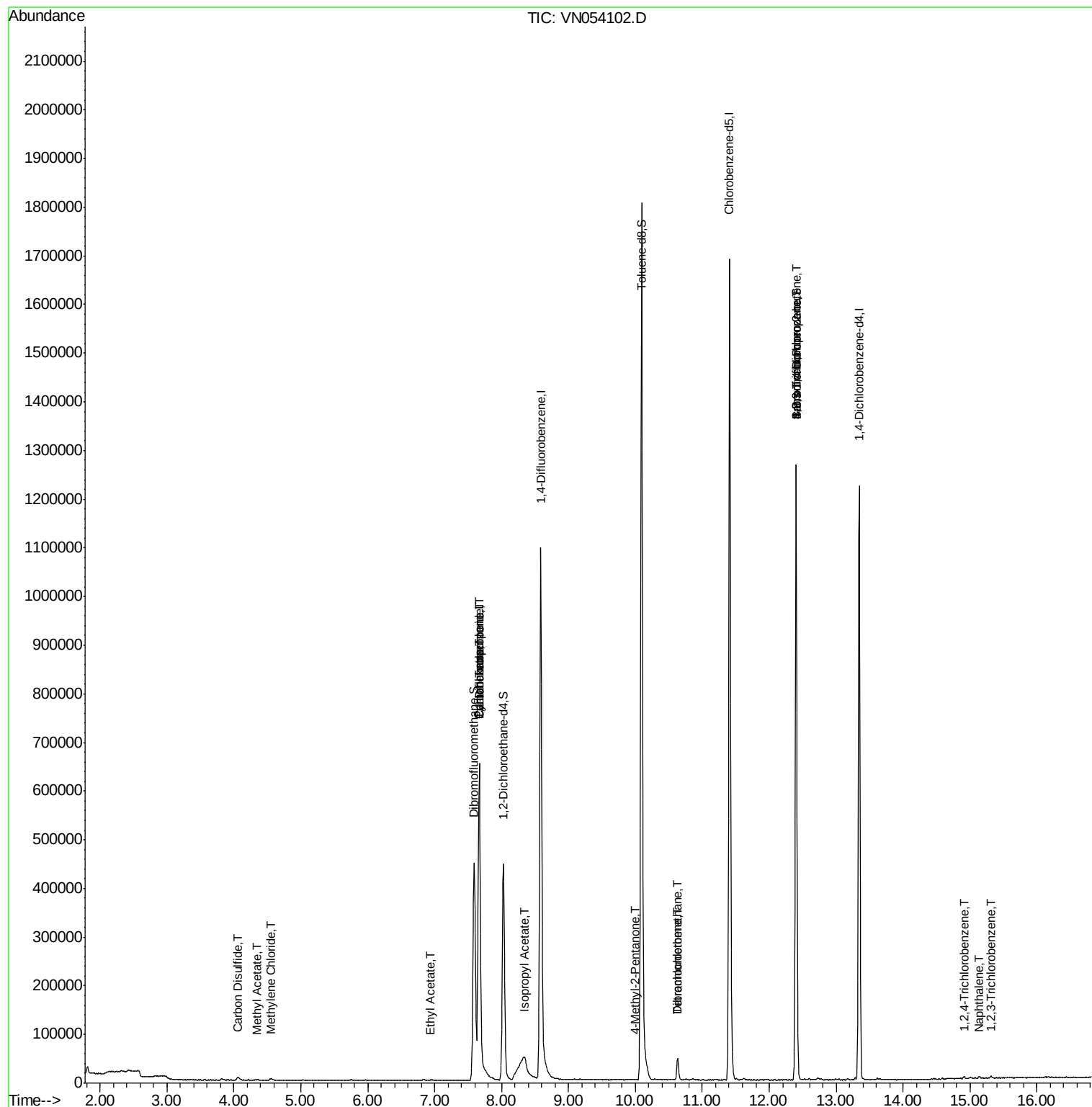
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5227	Below Cal	#	86
17) Carbon Disulfide	4.06	76	3982	0.210	ug/l #	74
18) Methyl Acetate	4.33	43	2887	0.593	ug/l #	54
20) Methylene Chloride	4.56	84	2321	0.337	ug/l	97
31) Cyclohexane	7.66	56	10536	0.541	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40663	3.950	ug/l #	48
37) Ethyl Acetate	6.93	43	2561	0.348	ug/l #	67
38) Carbon Tetrachloride	7.66	117	54957	5.133	ug/l #	16
43) Isopropyl Acetate	8.33	43	91423	7.366	ug/l #	59
51) 4-Methyl-2-Pentanone	9.99	43	1392	0.218	ug/l #	34
60) Dibromochloromethane	10.63	129	10378	1.343	ug/l #	11
64) Tetrachloroethene	10.63	164	11716	1.309	ug/l	94
71) Bromoform	12.40	173	3679	0.658	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	213531	38.724	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	213531	122.391	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1676	2.476	ug/l	86
95) Naphthalene	15.13	128	4390	3.514	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	1608	1.815	ug/l	79

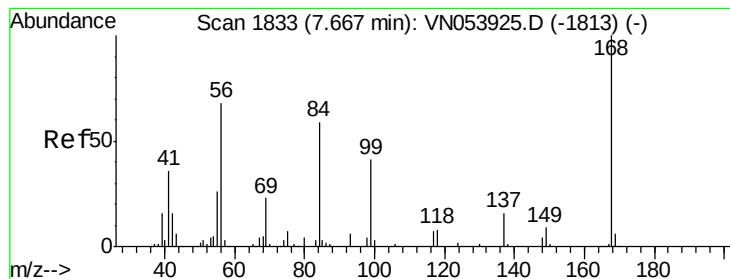
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
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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: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

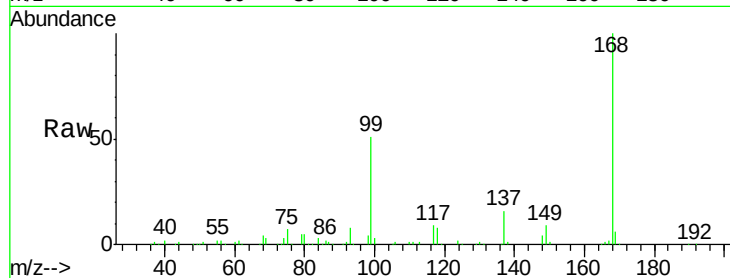
MW-7

Tot Ion:168 Resp: 594128

Ion Ratio Lower Upper

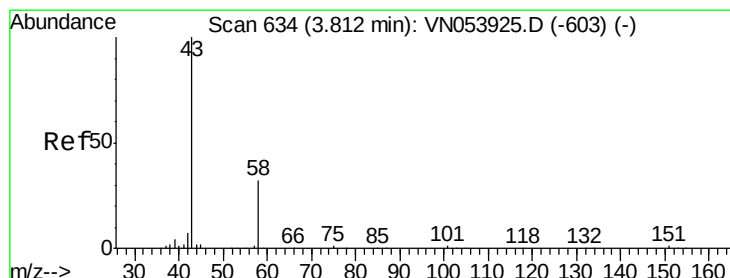
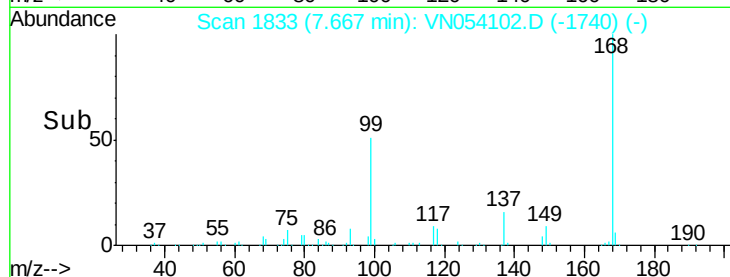
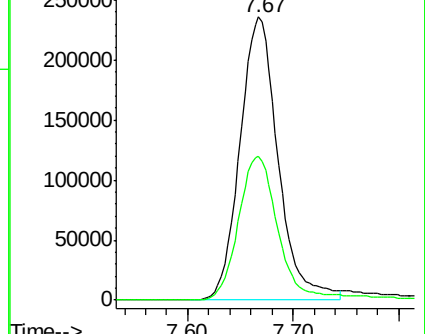
168 100

99 50.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054102.D

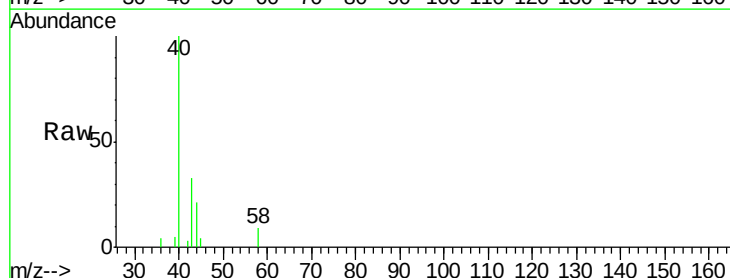
Acq: 5 Mar 2019 16:35

Tgt Ion: 43 Resp: 5227

Ion Ratio Lower Upper

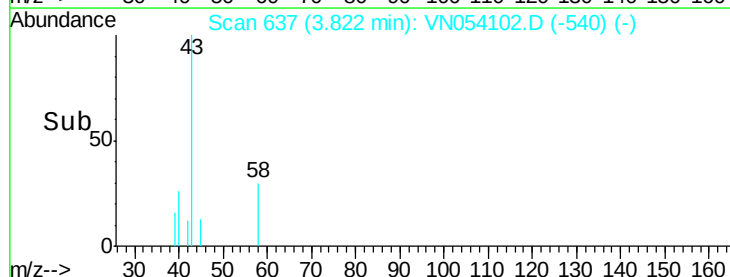
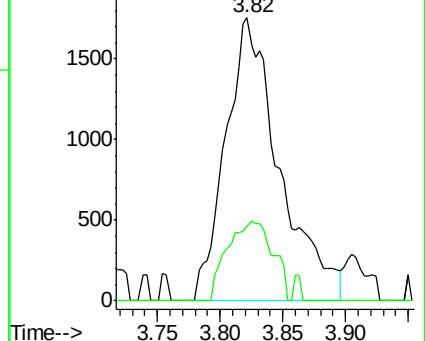
43 100

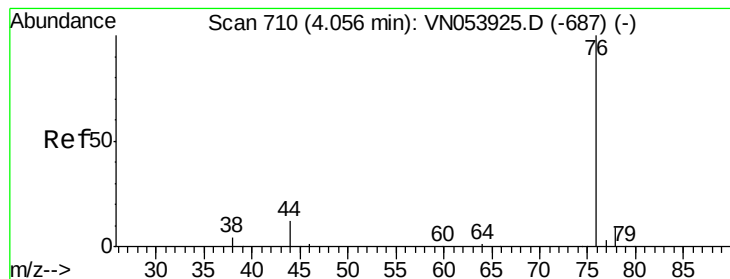
58 26.4 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

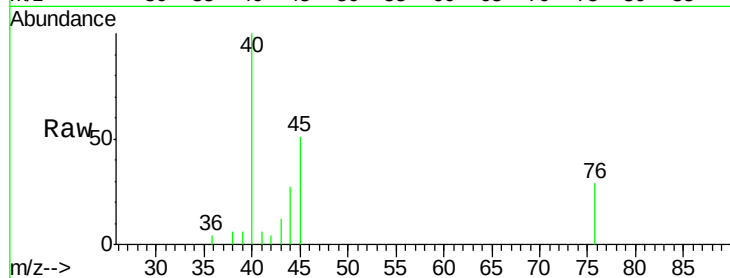
MW-7

Tot Ion: 76 Resp: 3982

Ion Ratio Lower Upper

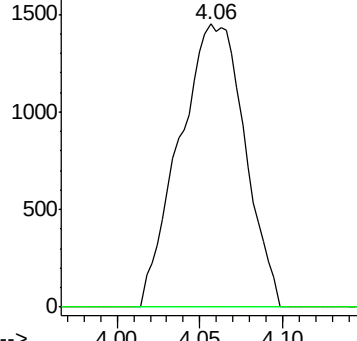
76 100

78 0.0 7.5 11.3#

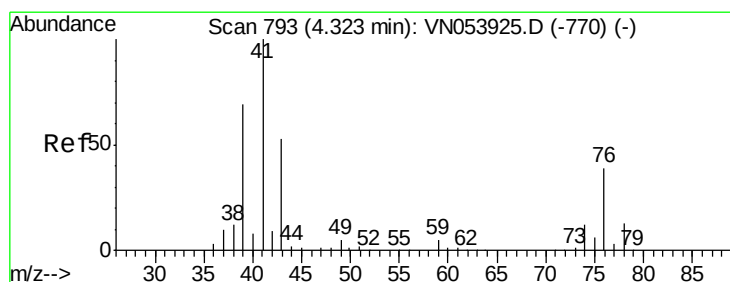
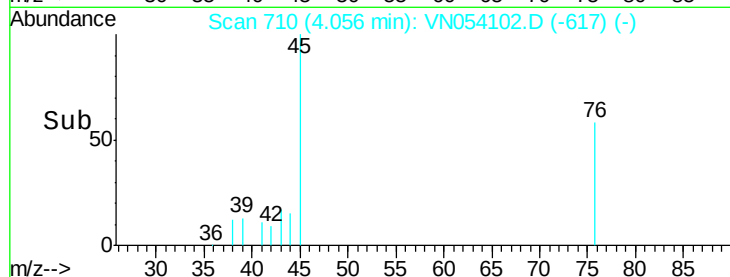


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 0.593 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN054102.D

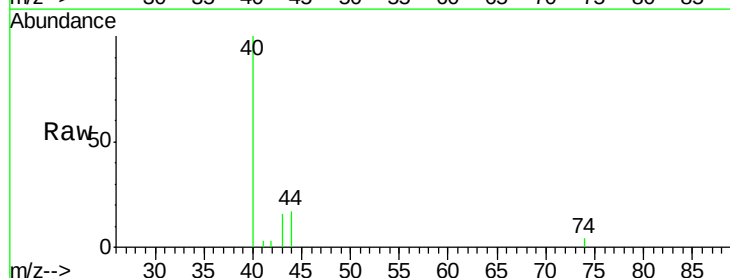
Acq: 5 Mar 2019 16:35

Tgt Ion: 43 Resp: 2887

Ion Ratio Lower Upper

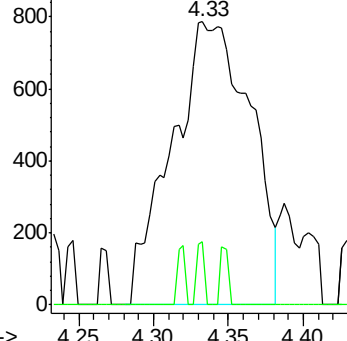
43 100

74 2.3 20.5 30.7#

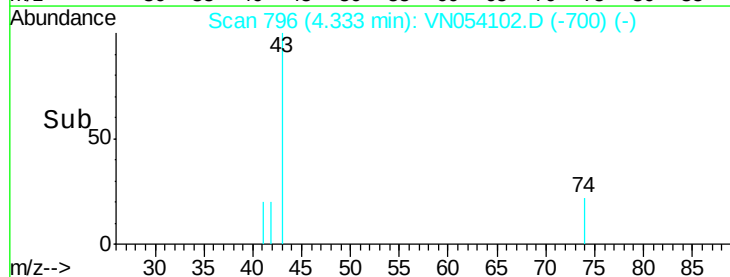


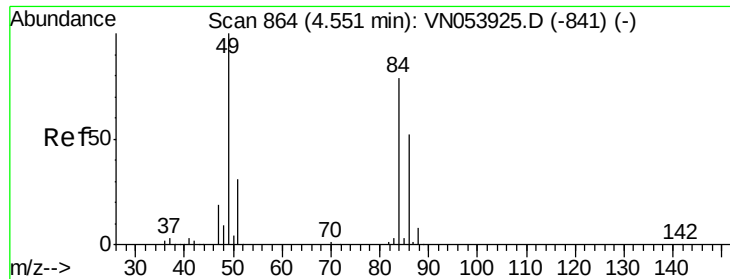
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->

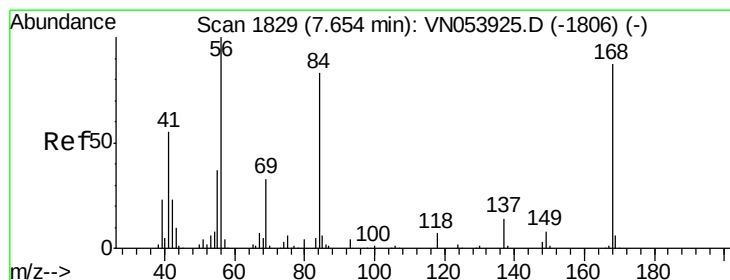
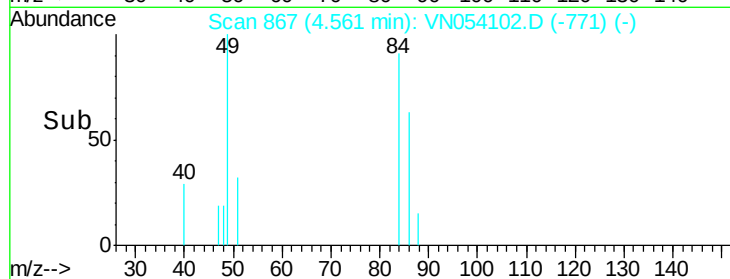
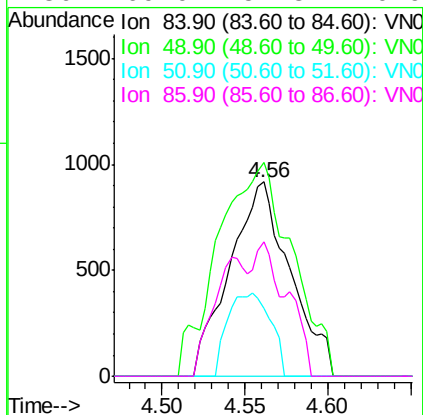
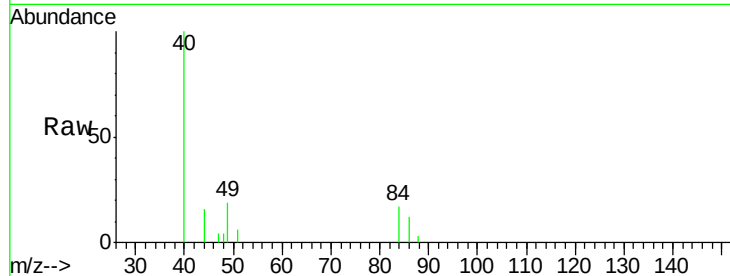




#20
Methvlene Chloride
Concen: 0.337 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN054102.D
Acq: 5 Mar 2019 16:35

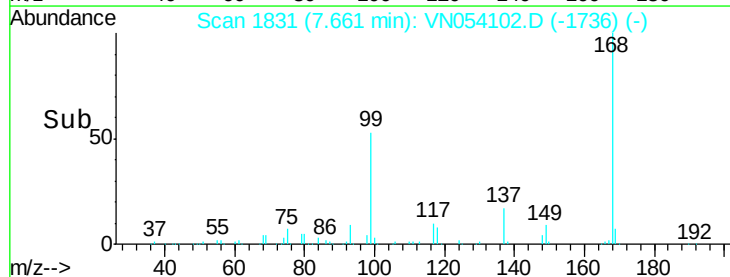
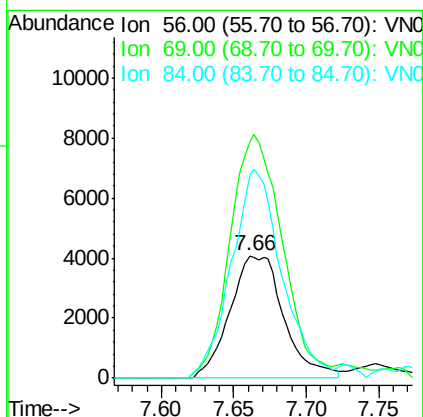
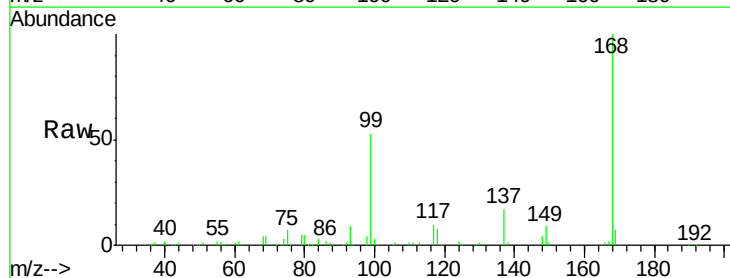
Instrument :
MSVOA_N
ClientSampleId :
MW-7

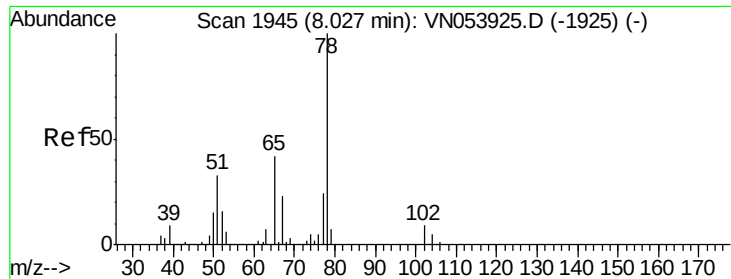
Tot Ion:	84	Resp:	2321
Ion	Ratio	Lower	Upper
84	100		
49	109.8	89.7	134.5
51	34.6	27.8	41.8
86	69.0	51.3	76.9



#31
Cyclohexane
Concen: 0.541 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054102.D
Acq: 5 Mar 2019 16:35

Tgt Ion:	56	Resp:	10536
Ion	Ratio	Lower	Upper
56	100		
69	192.9	26.0	39.0#
84	165.3	69.1	103.7#

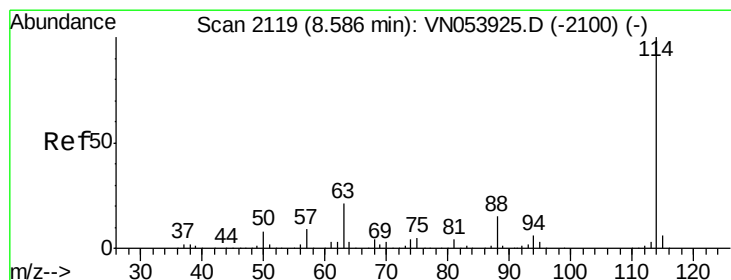
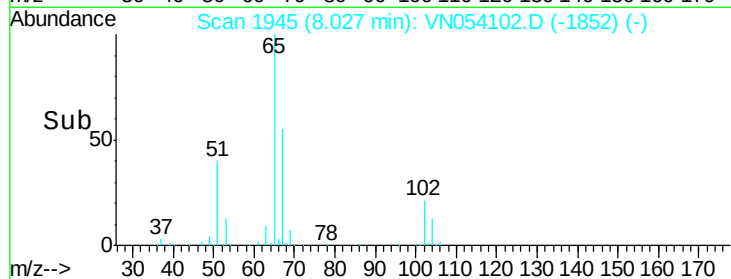
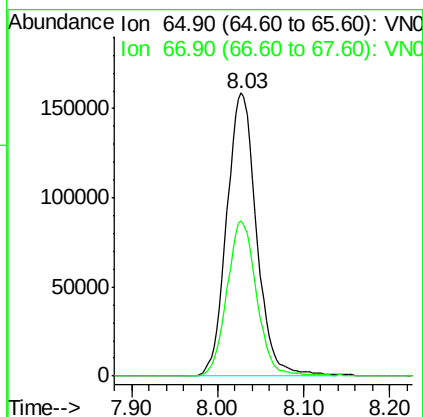
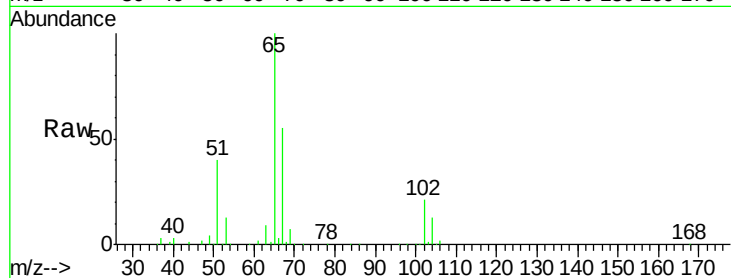




#33
 1,2-Dichloroethane-d4
 Concen: 55.001 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054102.D
 Acq: 5 Mar 2019 16:35

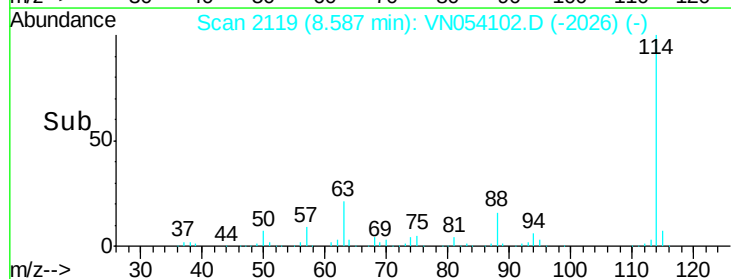
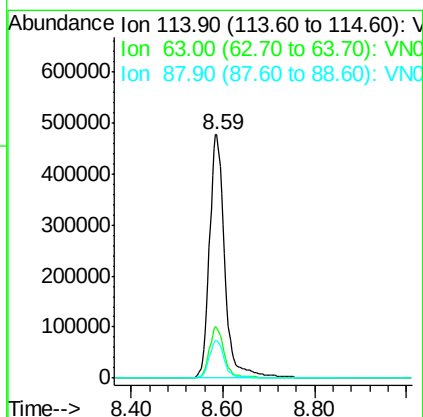
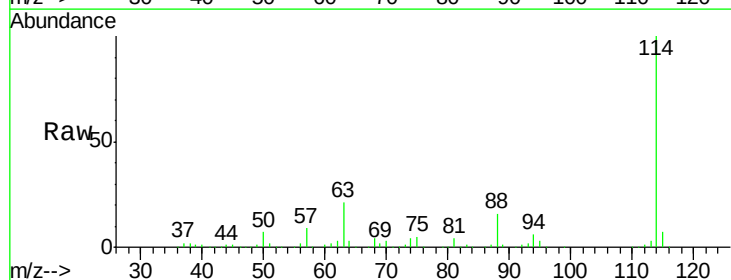
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

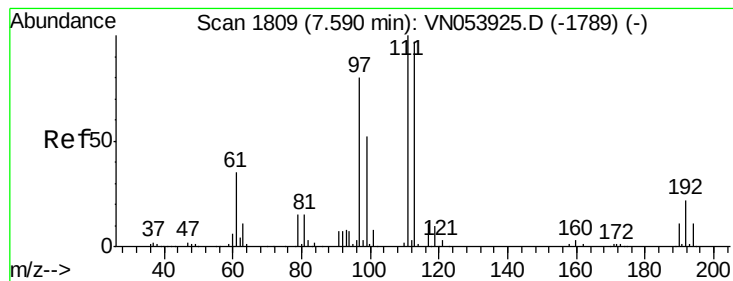
Tot Ion: 65 Resp: 383058
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054102.D
 Acq: 5 Mar 2019 16:35

Tgt Ion: 114 Resp: 1106998
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.970 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

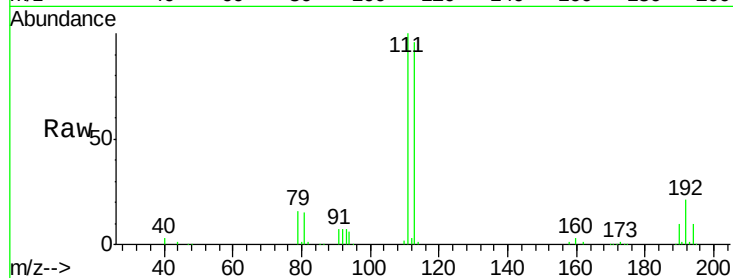
Tot Ion:113 Resp: 357709

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

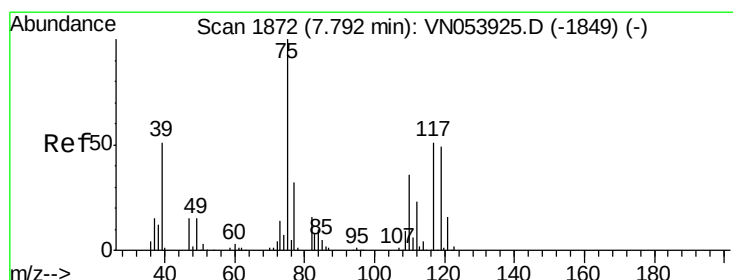
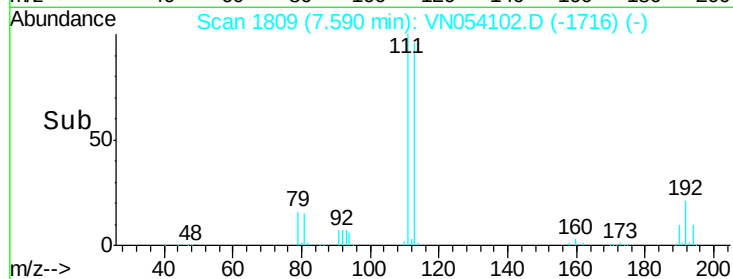
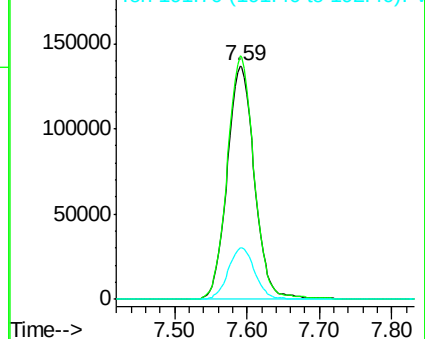
192 21.5 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.950 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

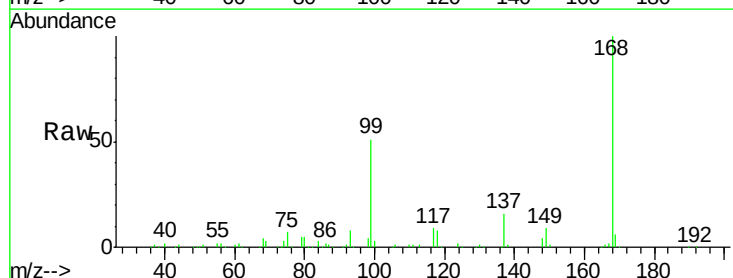
Tgt Ion: 75 Resp: 40663

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

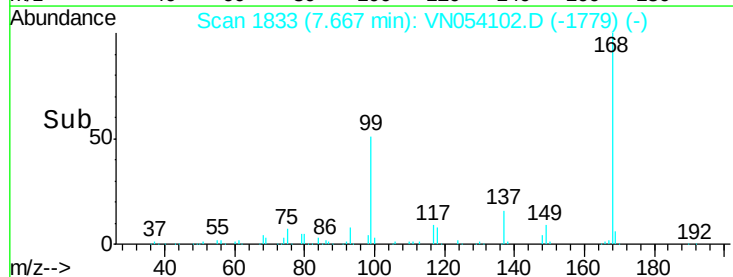
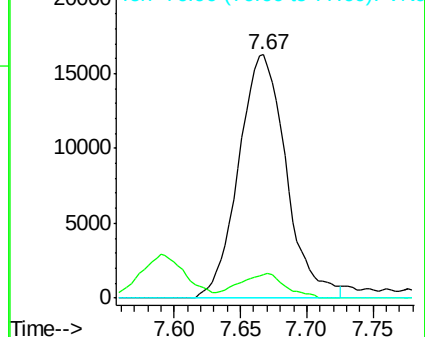
77 0.0 25.4 38.0#

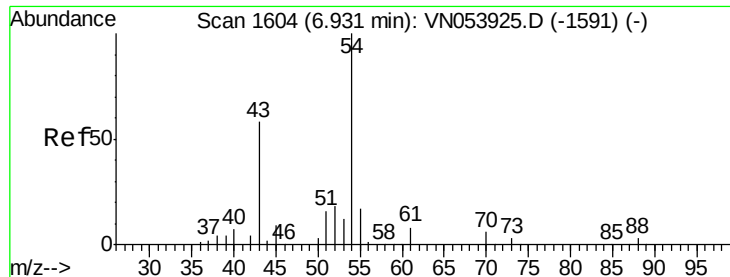


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

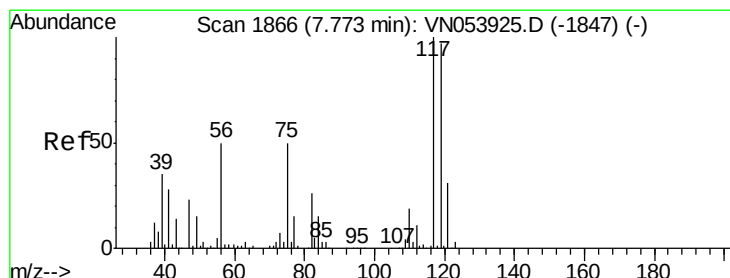
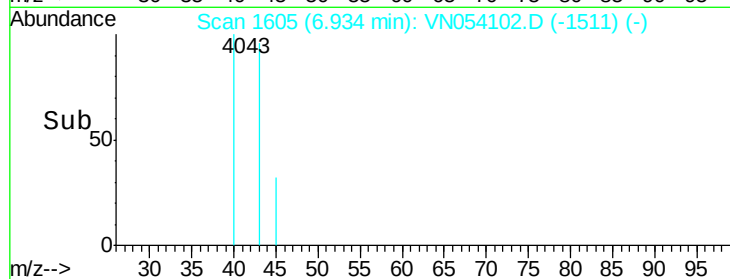
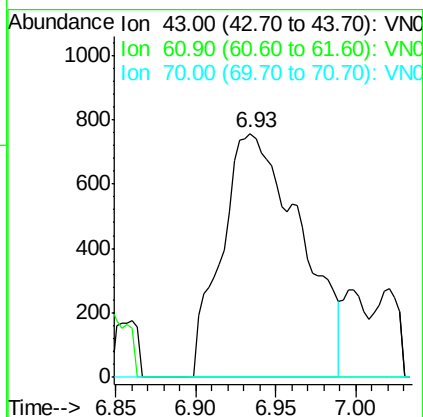
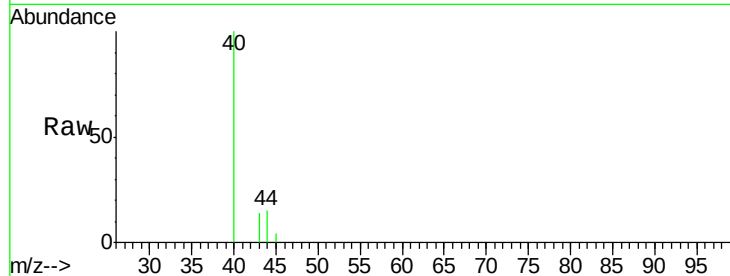




#37
Ethyl Acetate
Concen: 0.348 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN054102.D
Acq: 5 Mar 2019 16:35

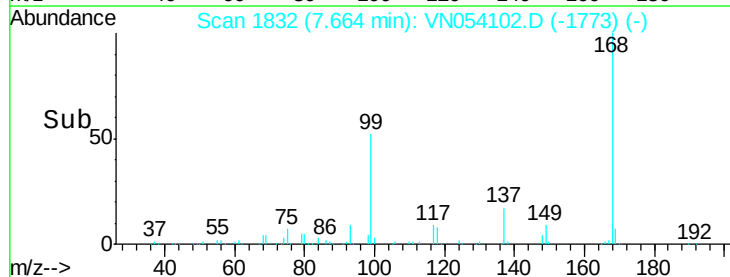
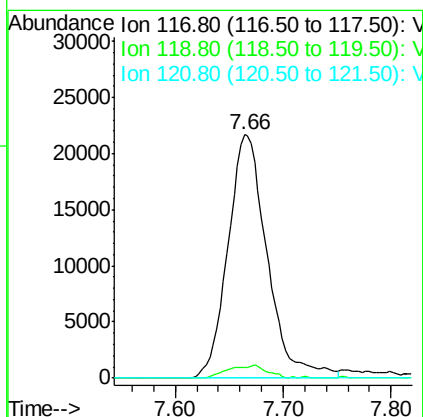
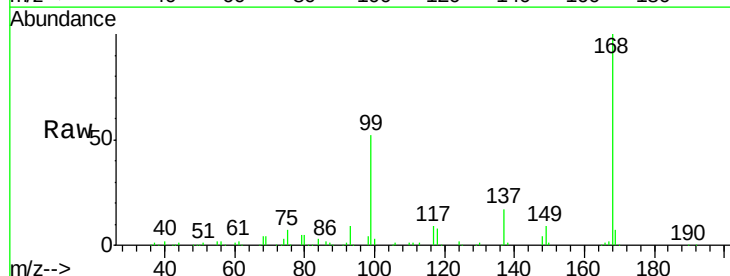
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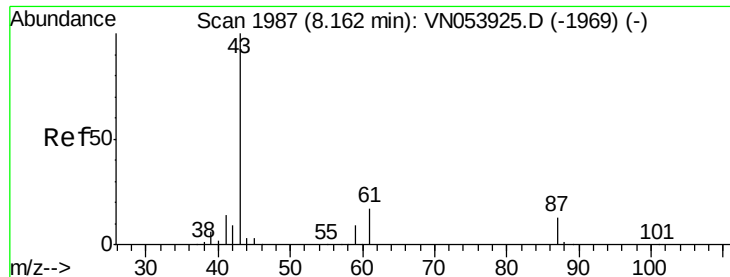
Tot Ion: 43 Resp: 2561
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.133 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054102.D
Acq: 5 Mar 2019 16:35

Tgt Ion: 117 Resp: 54957
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 7.366 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

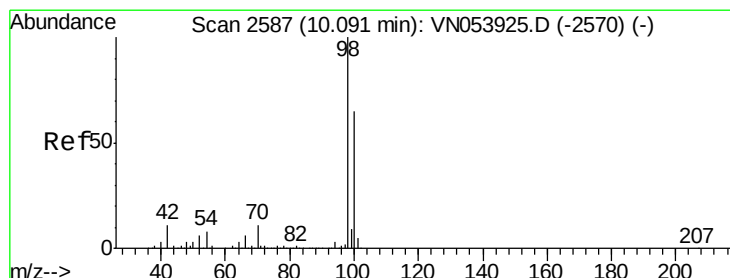
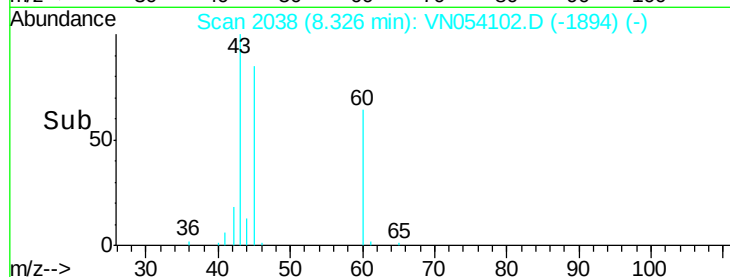
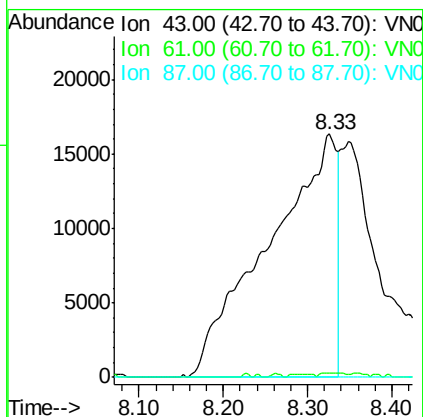
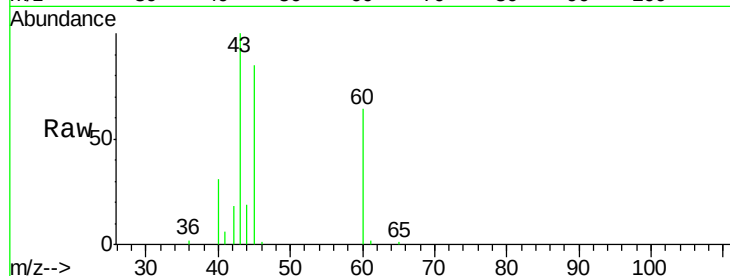
Tot Ion: 43 Resp: 91423

Ion Ratio Lower Upper

43 100

61 0.7 17.4 26.0#

87 0.0 11.5 17.3#



#50

Toluene-d8

Concen: 52.204 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054102.D

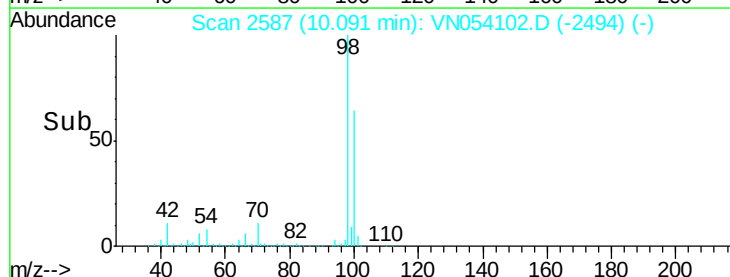
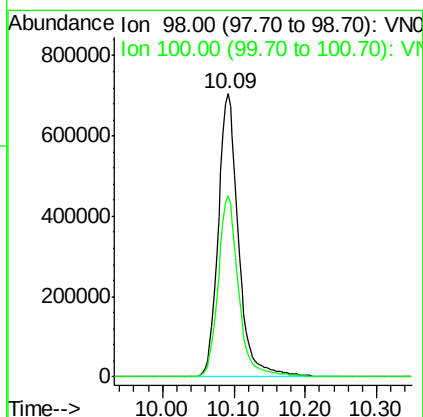
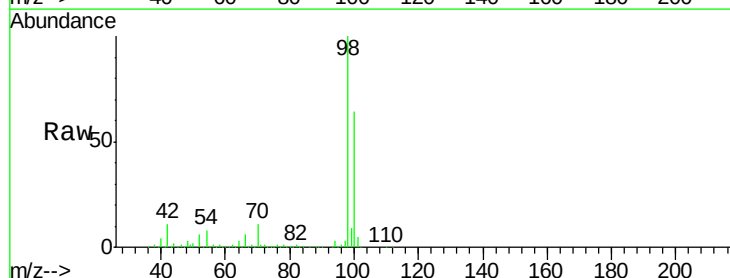
Acq: 5 Mar 2019 16:35

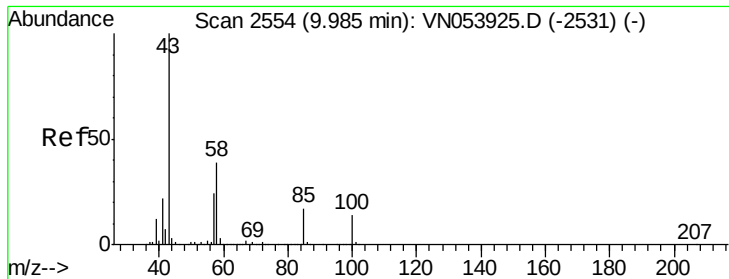
Tgt Ion: 98 Resp: 1391126

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

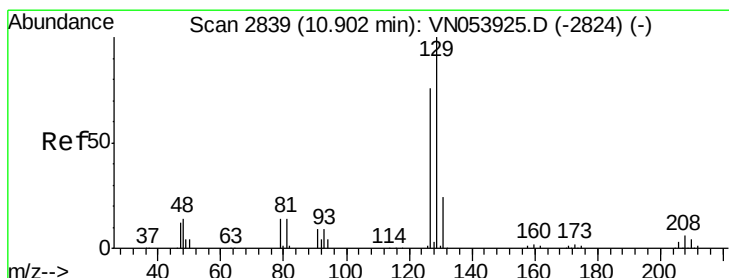
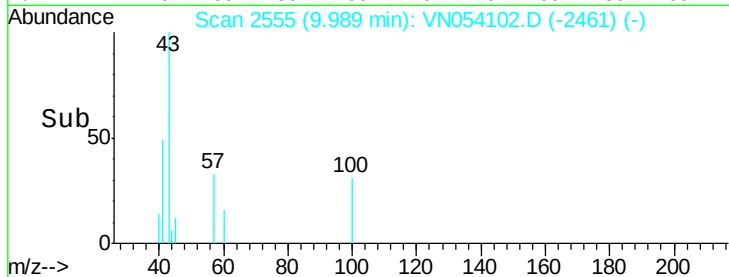
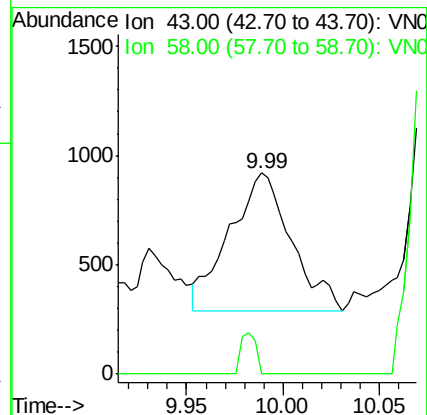
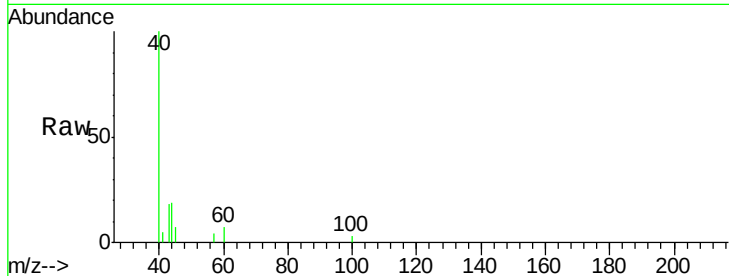
MW-7

Tot Ion: 43 Resp: 1392

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



#60

Dibromochloromethane

Concen: 1.343 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054102.D

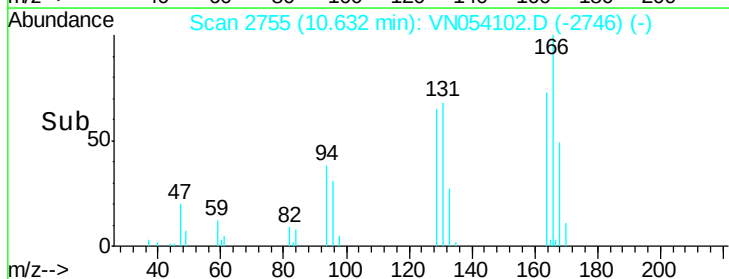
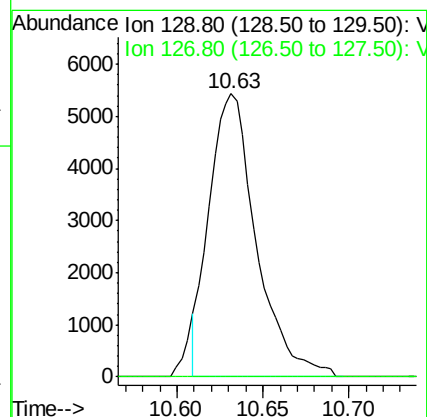
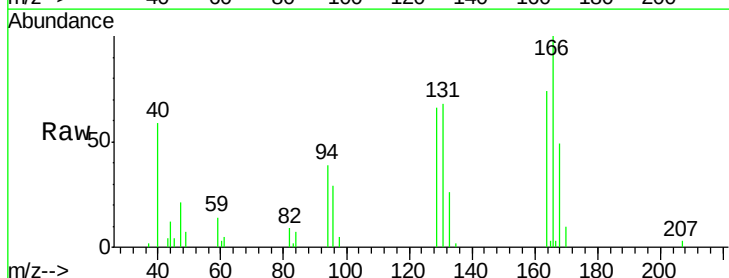
Acq: 5 Mar 2019 16:35

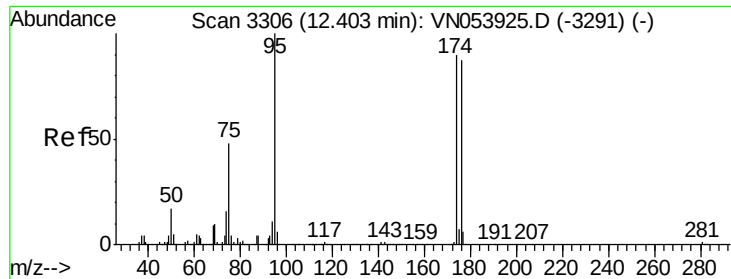
Tgt Ion: 129 Resp: 10378

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#





#62

4-Bromofluorobenzene

Concen: 49.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

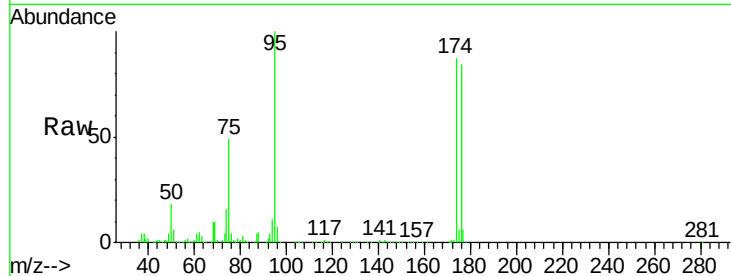
Tot Ion: 95 Resp: 442406

Ion Ratio Lower Upper

95 100

174 87.8 0.0 188.8

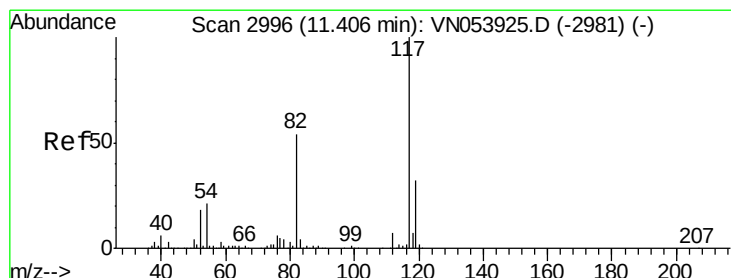
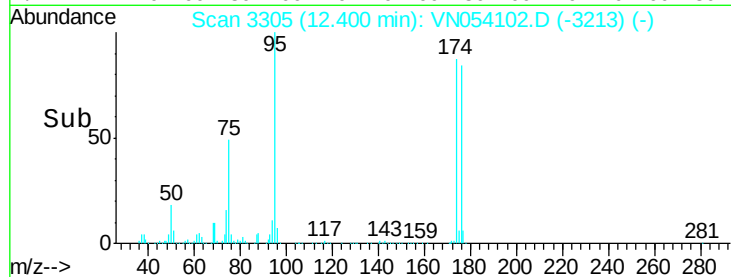
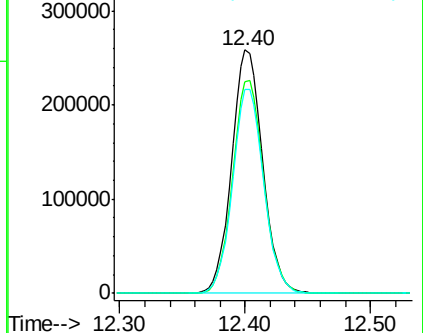
176 84.3 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

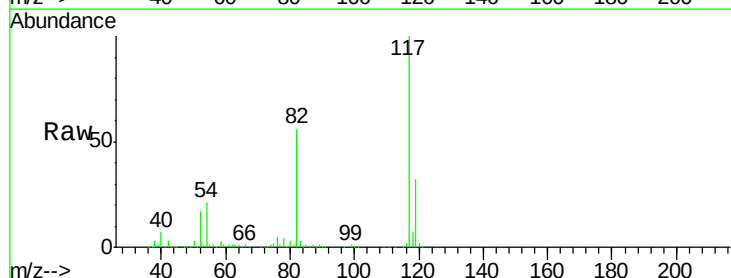
Tgt Ion: 117 Resp: 1057306

Ion Ratio Lower Upper

117 100

82 55.5 41.4 62.2

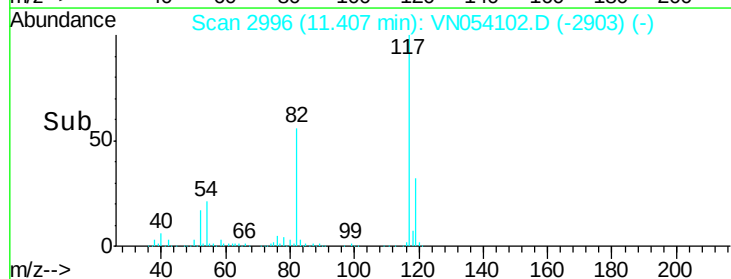
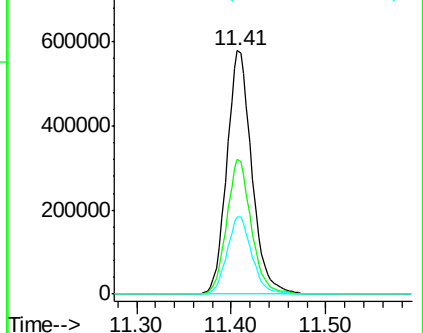
119 32.0 25.3 37.9

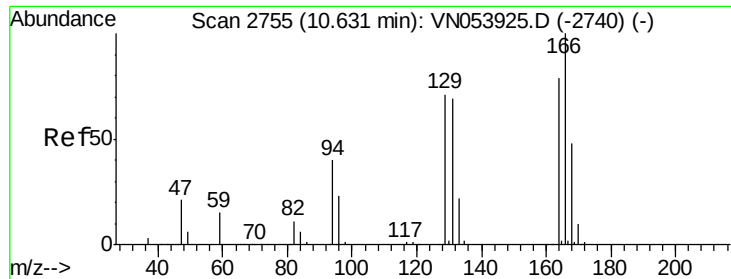


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)





#64

Tetrachloroethene

Concen: 1.309 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

Tot Ion:164 Resp: 11716

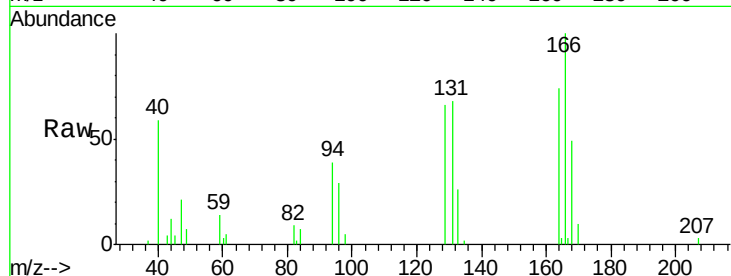
Ion Ratio Lower Upper

164 100

166 136.0 102.6 153.8

129 89.7 69.4 104.0

131 92.3 68.1 102.1

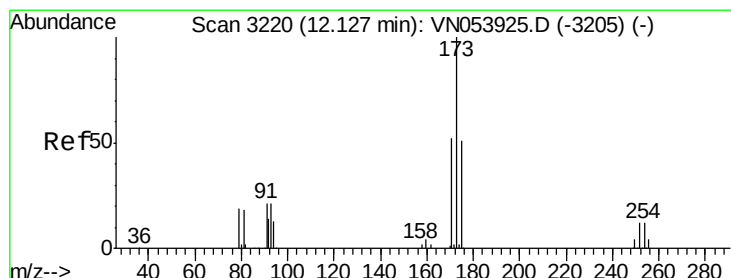
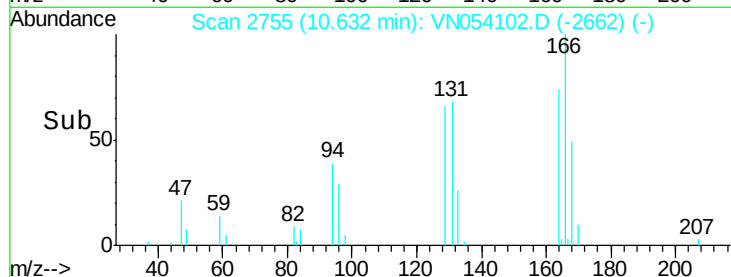
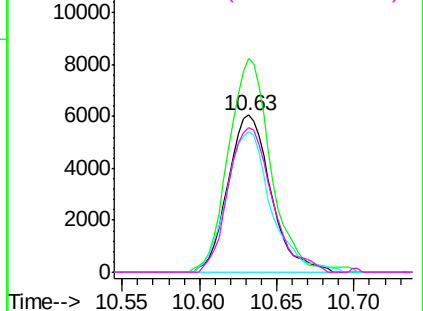


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.658 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

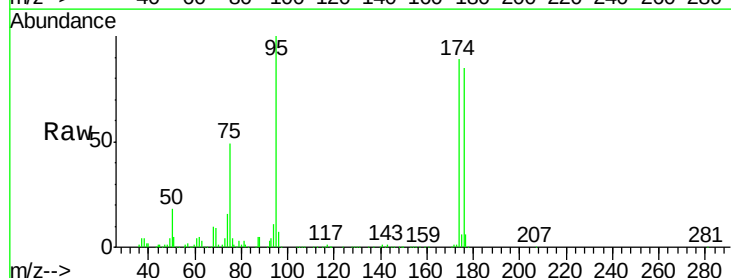
Tgt Ion:173 Resp: 3679

Ion Ratio Lower Upper

173 100

175 657.4 24.3 72.8#

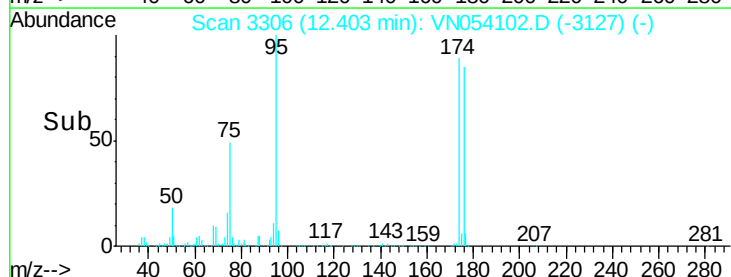
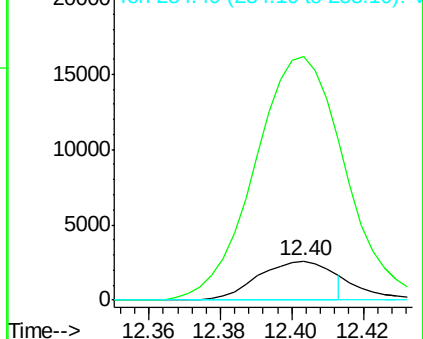
254 0.0 0.2 0.2#

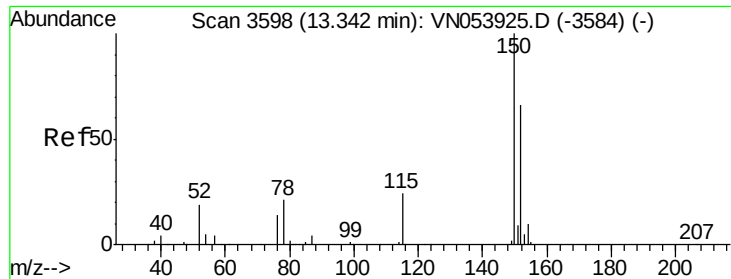


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

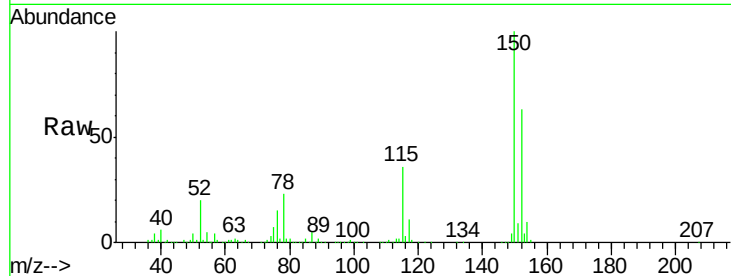
Tot Ion:152 Resp: 343741

Ion Ratio Lower Upper

152 100

115 57.8 27.2 81.6

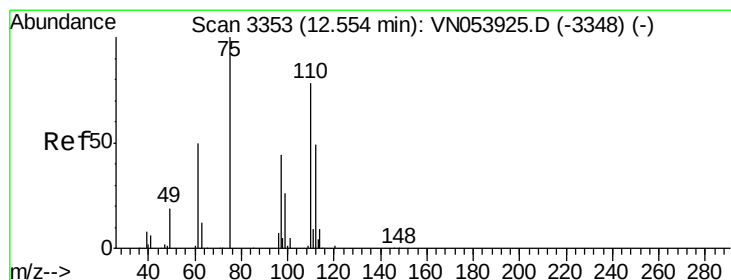
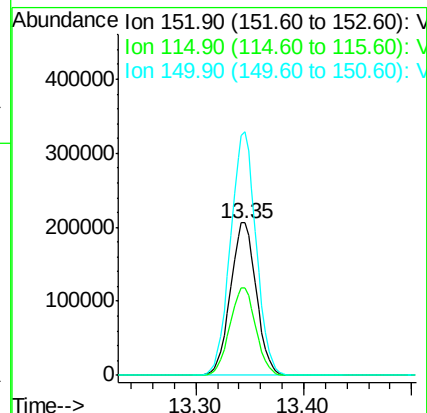
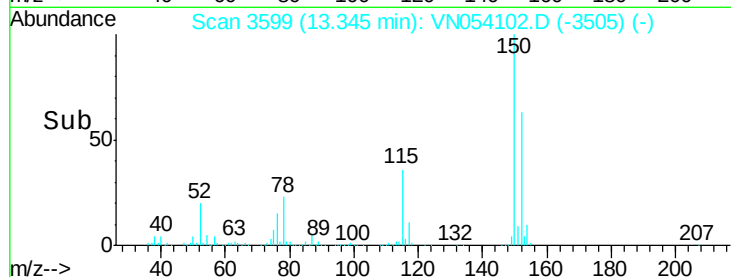
150 158.5 0.0 348.2



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: 38.724 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054102.D

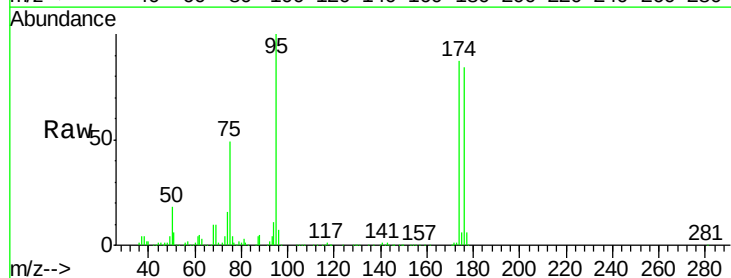
Acq: 5 Mar 2019 16:35

Tgt Ion: 75 Resp: 213531

Ion Ratio Lower Upper

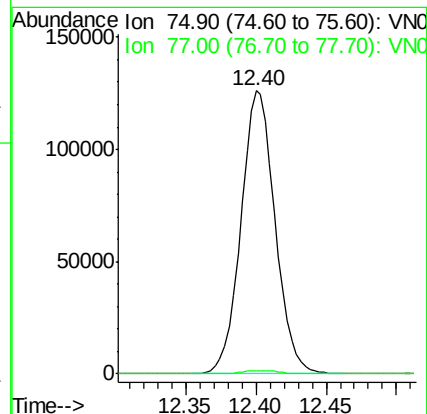
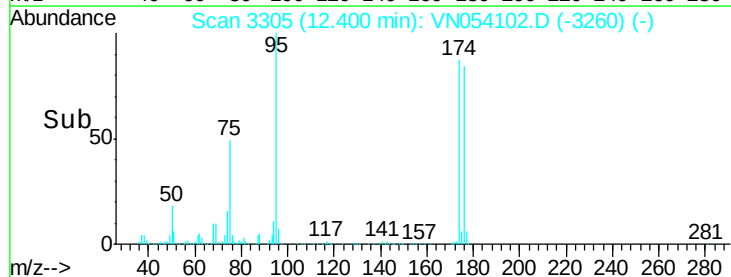
75 100

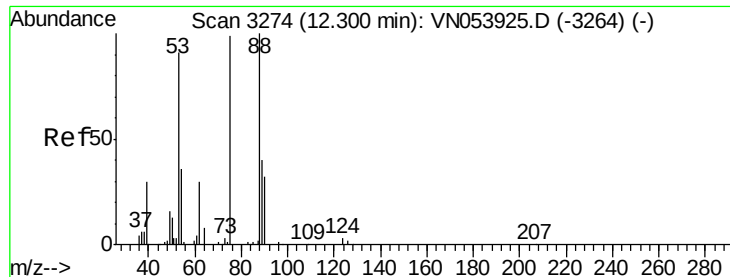
77 1.2 0.0 0.0#



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: 122.391 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

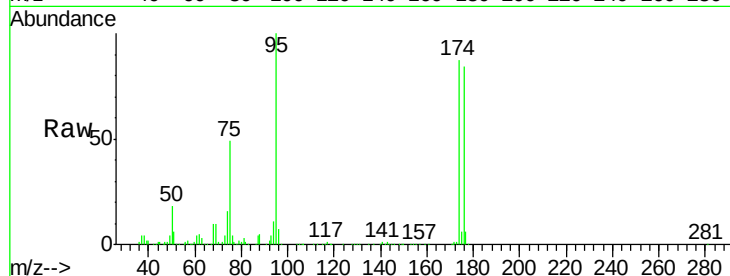
Tot Ion: 75 Resp: 213531

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 35.3 52.9#

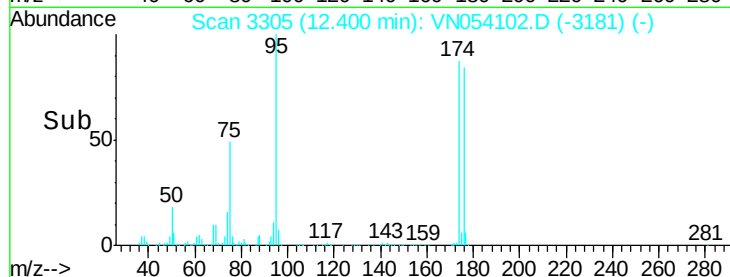


Abundance Ion 74.90 (74.60 to 75.60): VN054102.D (-3181) (-)

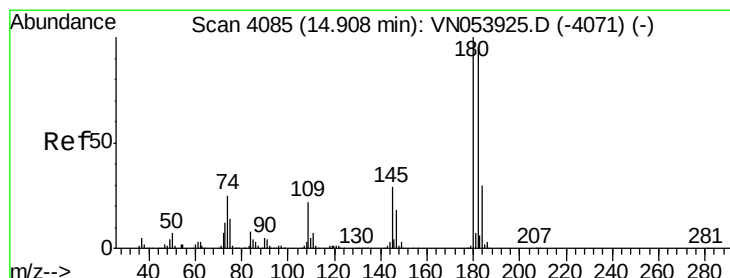
Ion 53.00 (52.70 to 53.70): VN054102.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054102.D (-3181) (-)

12.40



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.476 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

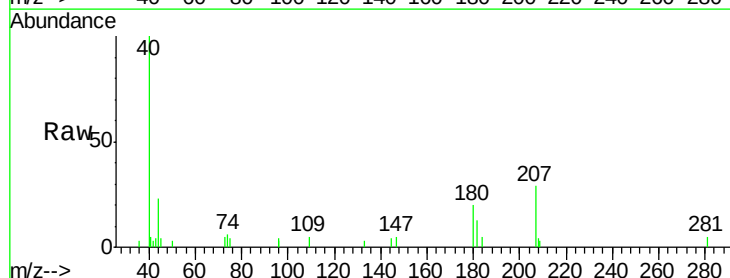
Tgt Ion: 180 Resp: 1676

Ion Ratio Lower Upper

180 100

182 85.3 48.6 145.9

145 17.2 13.8 41.3

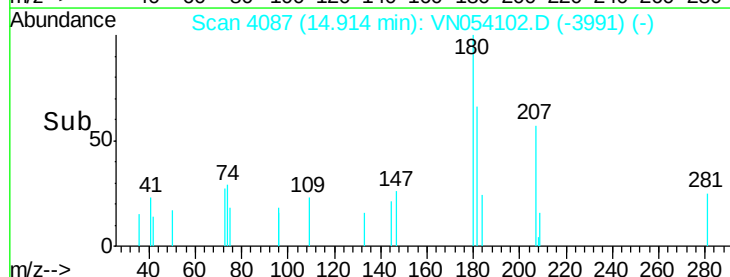


Abundance Ion 179.80 (179.50 to 180.50): VN054102.D (-3991) (-)

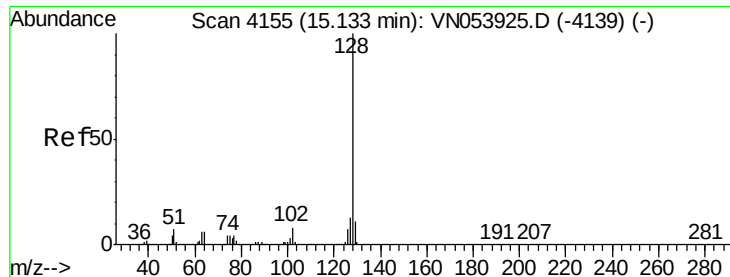
Ion 181.80 (181.50 to 182.50): VN054102.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054102.D (-3991) (-)

14.91



Time-->



#95

Naphthalene

Concen: 3.514 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

MW-7

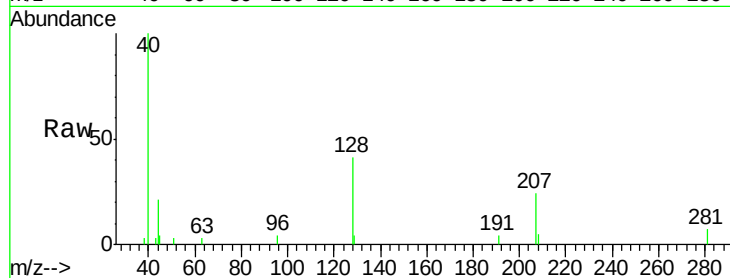
Tot Ion:128 Resp: 4390

Ion Ratio Lower Upper

128 100

127 3.5 10.2 15.2#

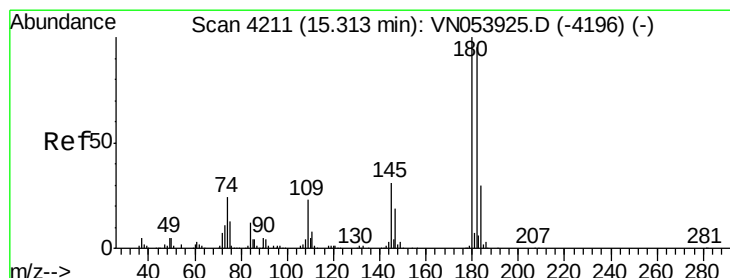
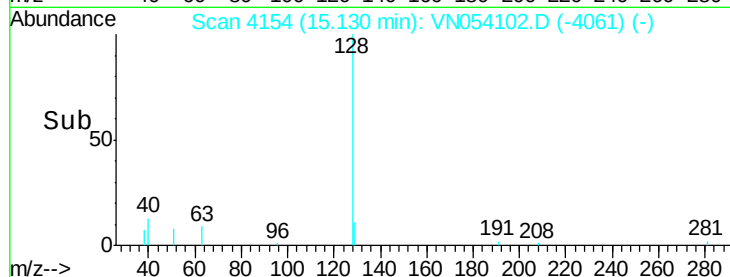
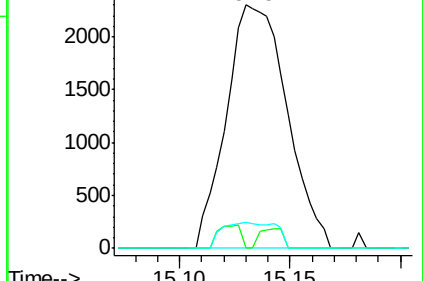
129 9.5 8.6 12.8



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: 1.815 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN054102.D

Acq: 5 Mar 2019 16:35

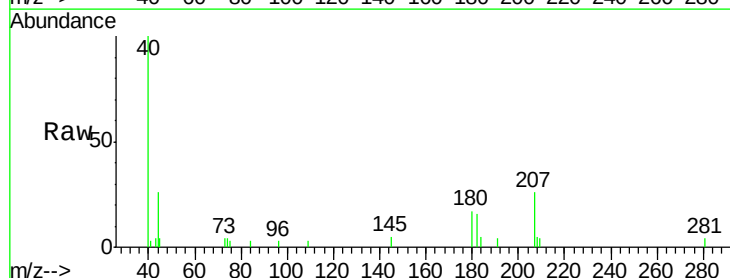
Tgt Ion:180 Resp: 1608

Ion Ratio Lower Upper

180 100

182 114.1 47.3 141.8

145 17.2 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

