

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054097.D
 Acq On : 5 Mar 2019 14:21
 Operator : JC/SP
 Sample : K1727-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Mar 06 02:20:15 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	604645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1070884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	462613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	376393	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	355959	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1375147	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	494333	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.19	62	85504	11.056	ug/l	95
11) Tert butyl alcohol	4.79	59	841	1.872	ug/l #	73
13) Acrolein	3.60	56	230	0.494	ug/l #	14
16) Acetone	3.82	43	15598	Below Cal		98
17) Carbon Disulfide	4.06	76	10884	0.565	ug/l	97
20) Methylene Chloride	4.55	84	2277	0.325	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	19780	3.062	ug/l	89
25) 2-Butanone	6.85	43	4997	1.796	ug/l #	1
27) cis-1,2-Dichloroethene	6.83	96	2210825	307.720	ug/l	95
31) Cyclohexane	7.66	56	25672	1.870	ug/l #	54
36) 1,1-Dichloropropene	7.67	75	41890	4.137	ug/l #	47
38) Carbon Tetrachloride	7.66	117	53778	5.107	ug/l #	16
39) Methylcyclohexane	9.08	83	20098	1.647	ug/l	92
40) Benzene	8.04	78	50530	1.624	ug/l	98
44) Trichloroethene	8.83	130	4583	0.556	ug/l	74
48) Methyl methacrylate	9.27	41	2410	0.429	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	3692	0.589	ug/l	99
52) Toluene	10.16	92	962720	52.561	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	6522	0.953	ug/l #	19
56) Ethyl methacrylate	10.43	69	1433	2.108	ug/l #	70
58) 2-Chloroethyl Vinyl ether	9.65	63	30	13.626	ug/l #	47
59) 2-Hexanone	10.72	43	5506	1.350	ug/l #	22
60) Dibromochloromethane	10.63	129	3491	0.459	ug/l #	11
64) Tetrachloroethene	10.63	164	3872	0.427	ug/l	98
67) Ethyl Benzene	11.51	91	384822	10.157	ug/l	98
68) m/p-Xylenes	11.62	106	1032564	72.208	ug/l	97
69) o-Xylene	11.95	106	593874	42.266	ug/l	97
70) Styrene	11.95	104	31225	1.445	ug/l #	1
71) Bromoform	12.40	173	3667	0.647	ug/l #	1
73) Isopropylbenzene	12.25	105	46530	1.292	ug/l	96
74) N-amyl acetate	12.04	43	9639	1.021	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.45	83	2165	0.240	ug/l #	26
76) 1,2,3-Trichloropropane	12.65	75	8985	1.211	ug/l #	100
78) n-propylbenzene	12.59	91	137239	3.351	ug/l	97

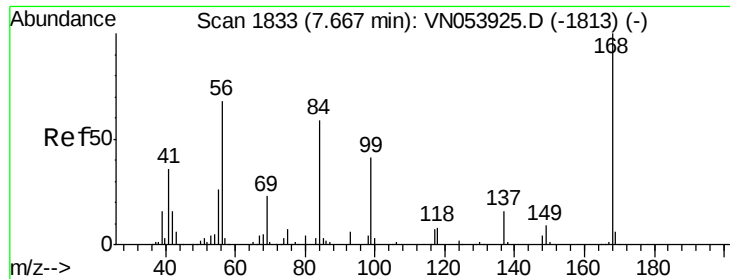
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.65	91	190405	7.739	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.73	105	1131348	38.375	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	240783	102.548	ug/l #	15
82) 4-Chlorotoluene	12.73	91	116572	4.794	ug/l #	39
83) tert-Butylbenzene	12.99	119	56575	2.170	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	1840602	62.537	ug/l	99
85) sec-Butylbenzene	13.04	105	1840602	51.683	ug/l #	56
86) p-Isopropyltoluene	13.29	119	120249	3.994	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3383	0.220	ug/l #	1
89) n-Butylbenzene	13.58	91	109134	4.301	ug/l #	1
90) Hexachloroethane	13.89	117	69561	11.923	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5012	3.938	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	4113	2.685	ug/l #	21
94) Hexachlorobutadiene	15.01	225	1201	0.217	ug/l	97
95) Naphthalene	15.13	128	266557	16.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	5913	2.260	ug/l #	79

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

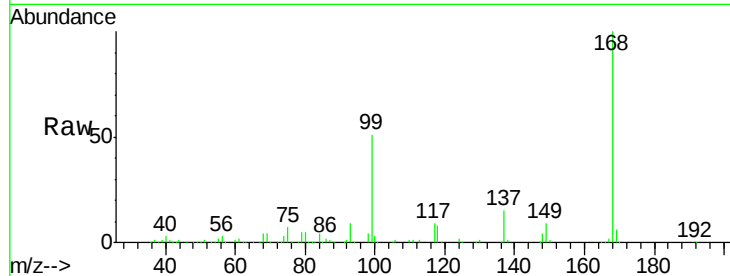
MW-11

Tot Ion:168 Resp: 604645

Ion Ratio Lower Upper

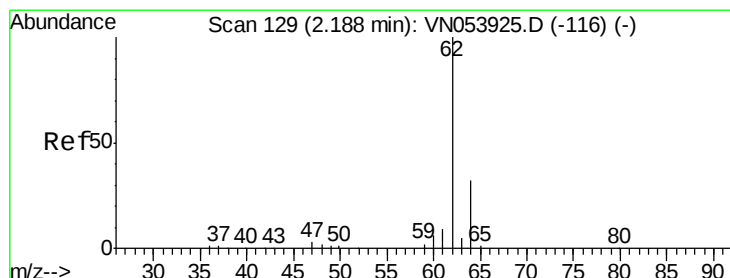
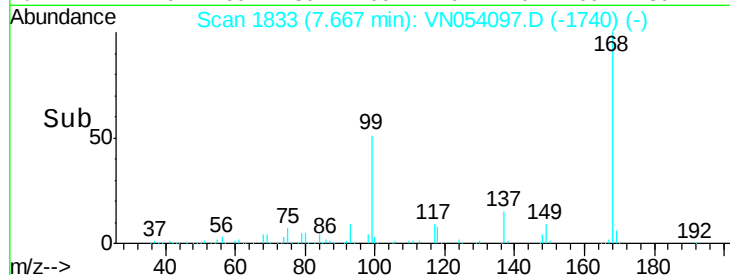
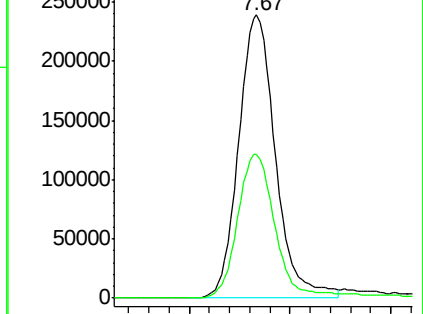
168 100

99 51.0 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 11.056 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054097.D

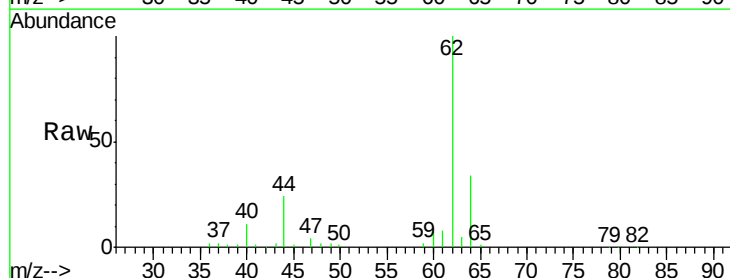
Acq: 5 Mar 2019 14:21

Tgt Ion: 62 Resp: 85504

Ion Ratio Lower Upper

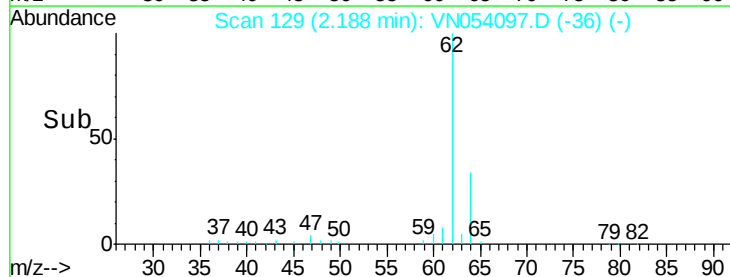
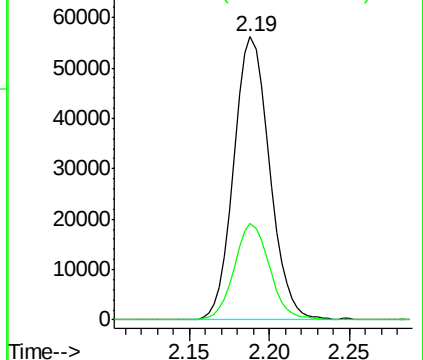
62 100

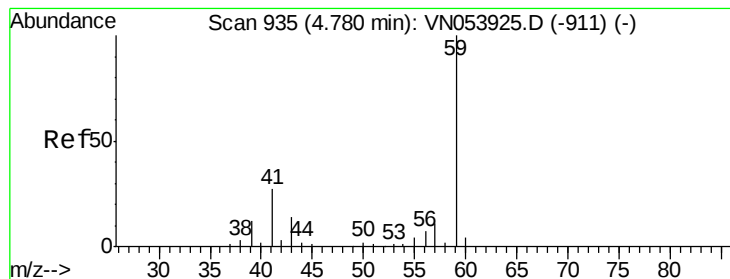
64 34.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



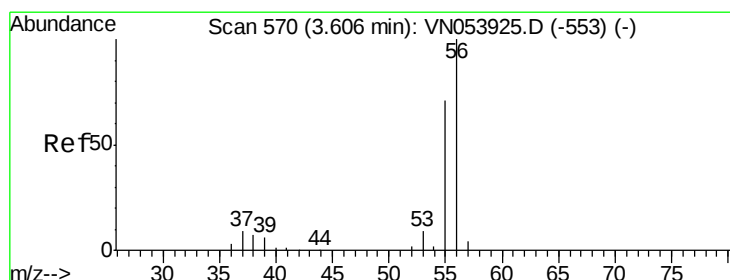
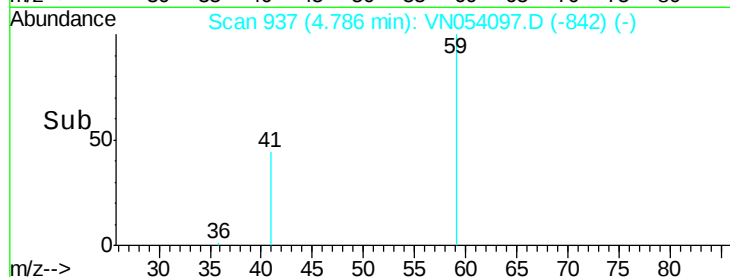
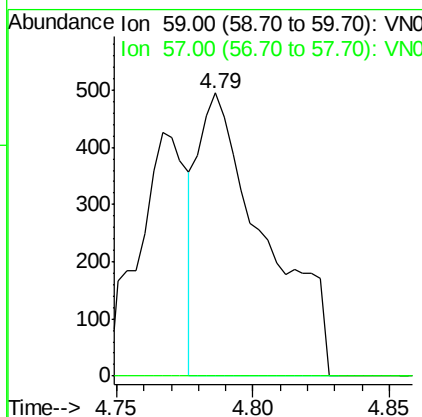
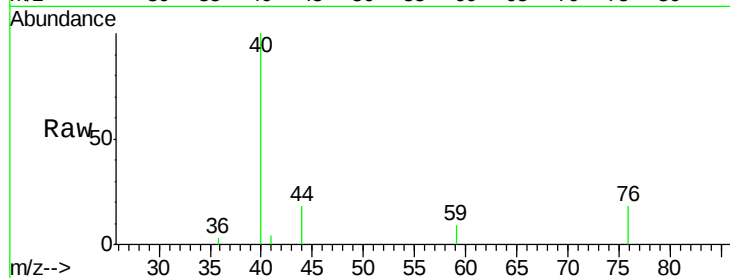


#11

Tert butyl alcohol
 Concen: 1.872 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 MW-11

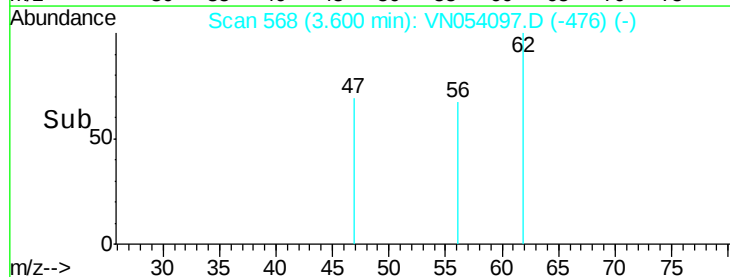
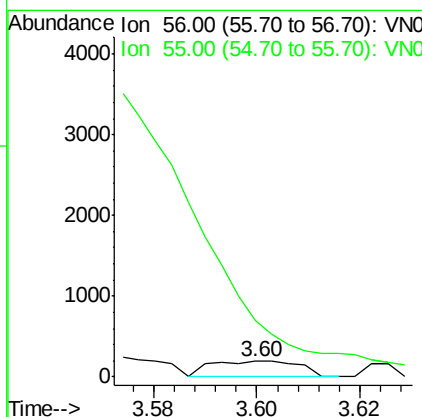
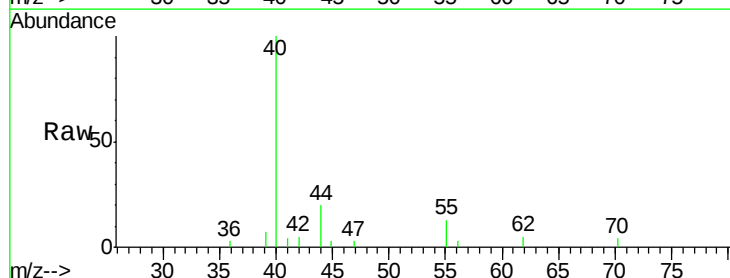
Tot Ion: 59 Resp: 841
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

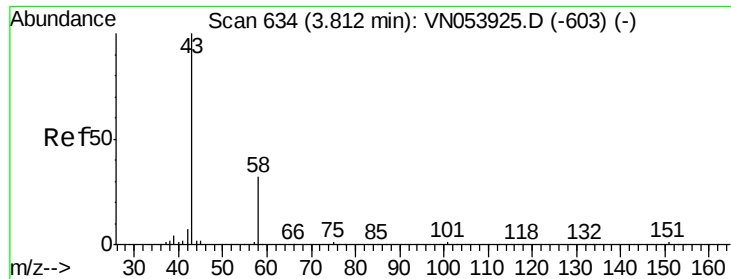


#13

Acrolein
 Concen: 0.494 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 56 Resp: 230
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.3 84.5#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

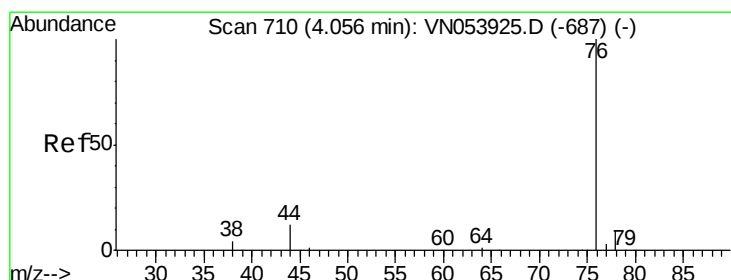
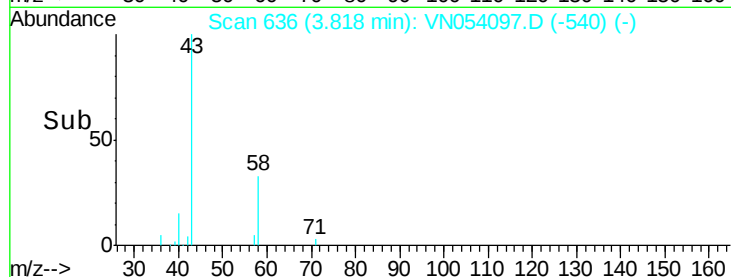
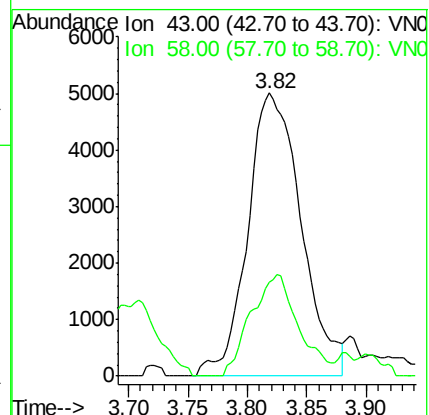
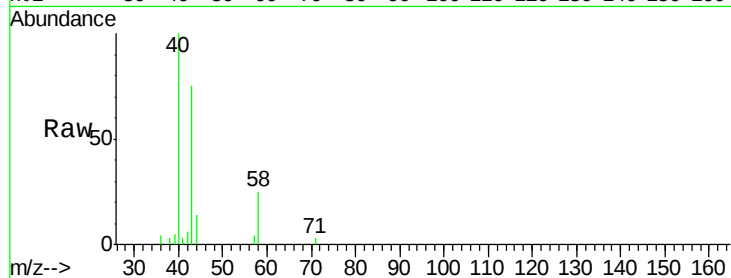
MW-11

Tot Ion: 43 Resp: 15598

Ion Ratio Lower Upper

43 100

58 33.1 27.6 41.4



#17

Carbon Disulfide

Concen: 0.565 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN054097.D

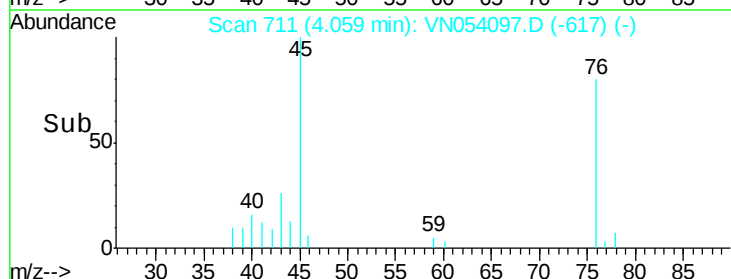
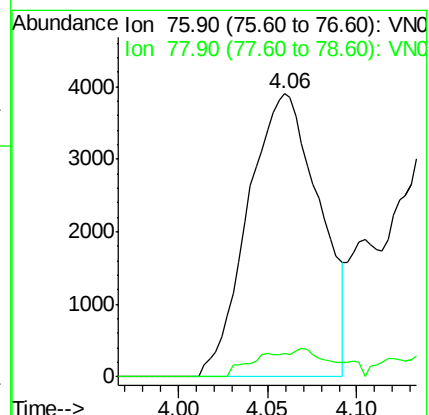
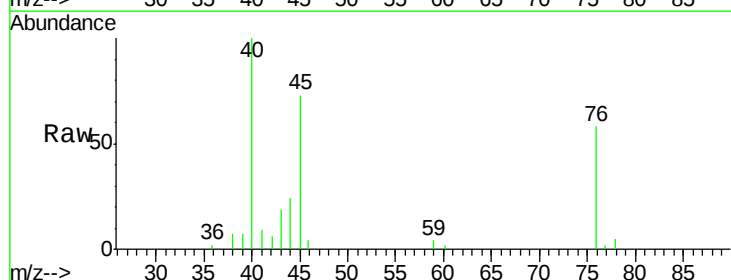
Acq: 5 Mar 2019 14:21

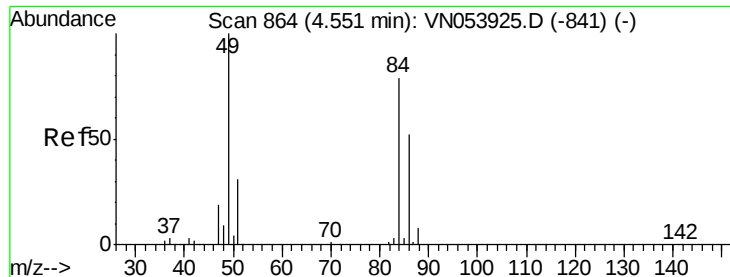
Tgt Ion: 76 Resp: 10884

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



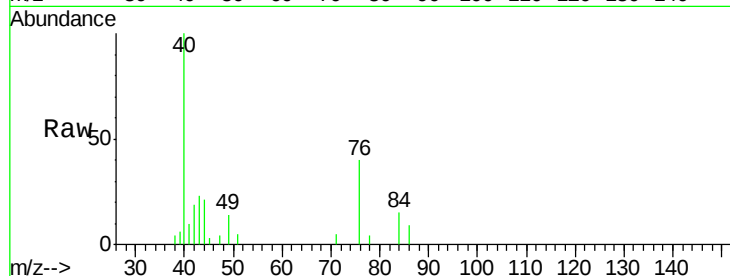


#20
Methvlene Chloride
Concen: 0.325 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

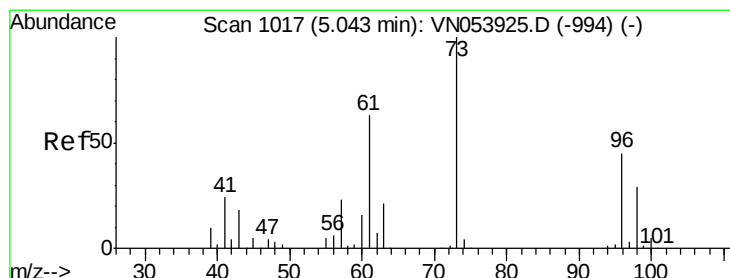
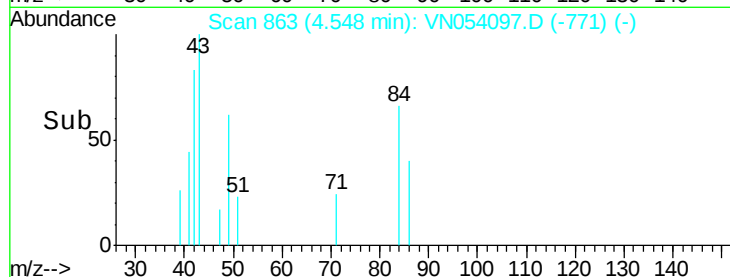
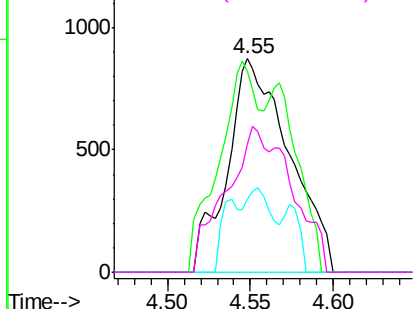
Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion: 84 Resp: 2277

Ion	Ratio	Lower	Upper
84	100		
49	94.3	89.7	134.5
51	34.1	27.8	41.8
86	59.8	51.3	76.9



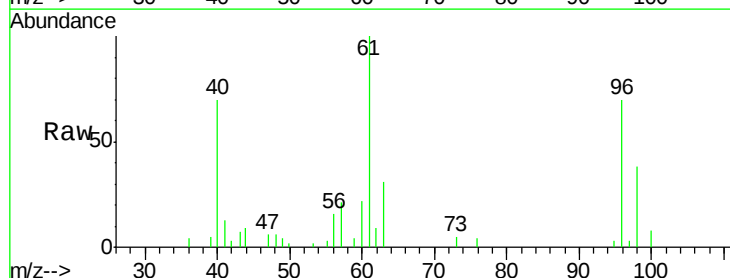
Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC



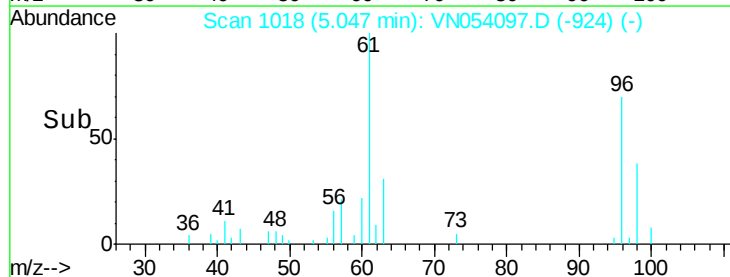
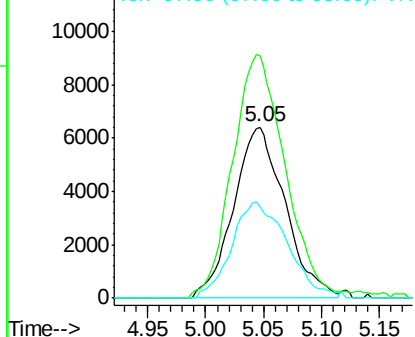
#21
trans-1,2-Dichloroethene
Concen: 3.062 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

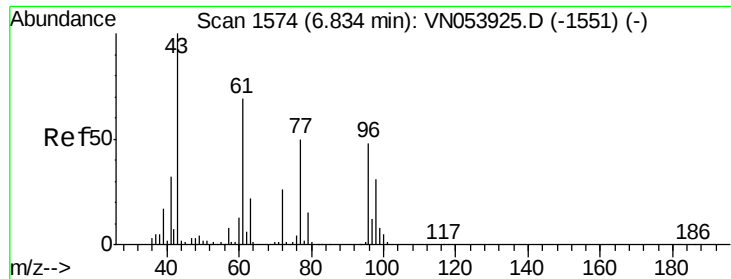
Tgt Ion: 96 Resp: 19780

Ion	Ratio	Lower	Upper
96	100		
61	141.9	104.5	156.7
98	53.7	50.6	76.0



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

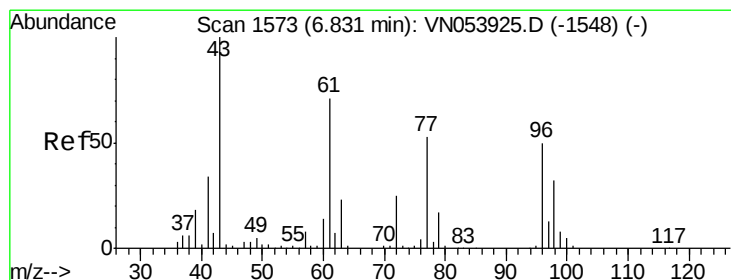
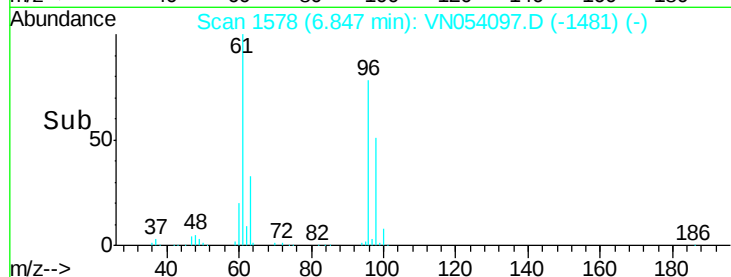
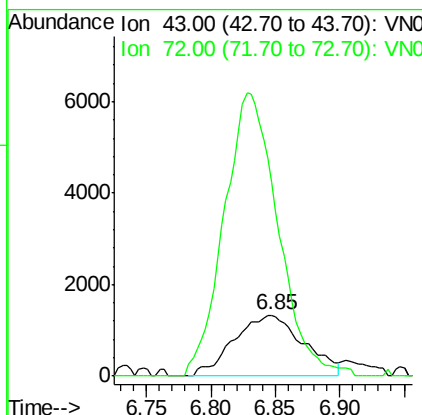
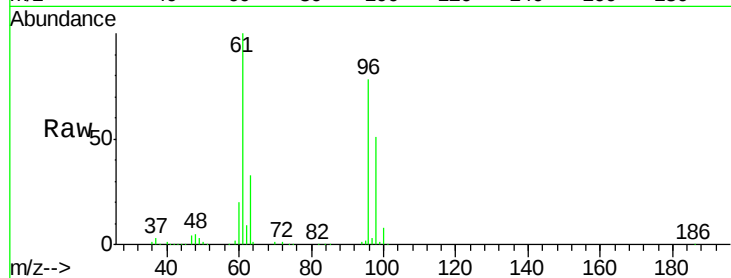




#25
 2-Butanone
 Concen: 1.796 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

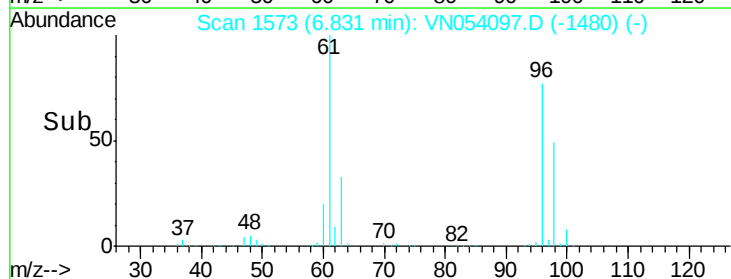
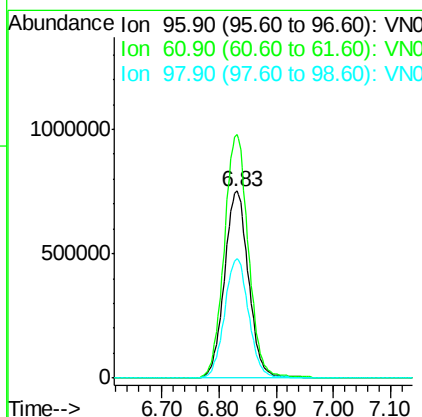
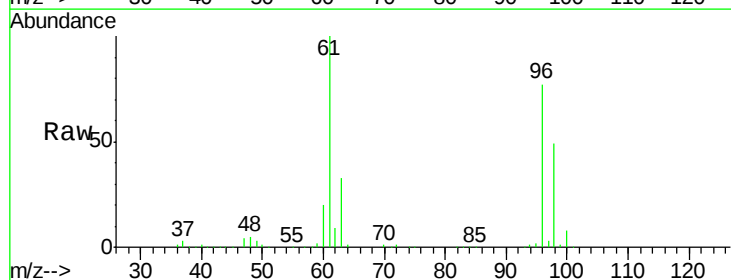
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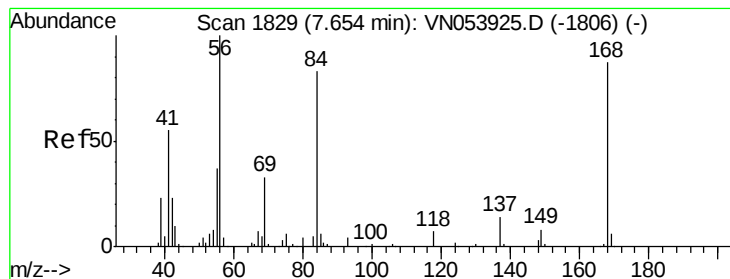
Tot Ion: 43 Resp: 4997
 Ion Ratio Lower Upper
 43 100
 72 302.0 22.1 33.1#



#27
 cis-1,2-Dichloroethene
 Concen: 307.720 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 96 Resp: 2210825
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 275.6
 98 64.0 0.0 130.0





#31

Cyclohexane

Concen: 1.870 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

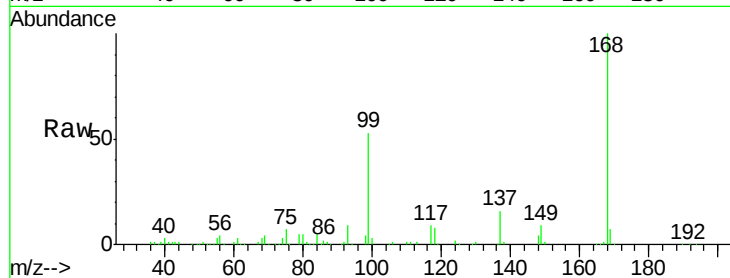
Tot Ion: 56 Resp: 25672

Ion Ratio Lower Upper

56 100

69 95.3 26.0 39.0#

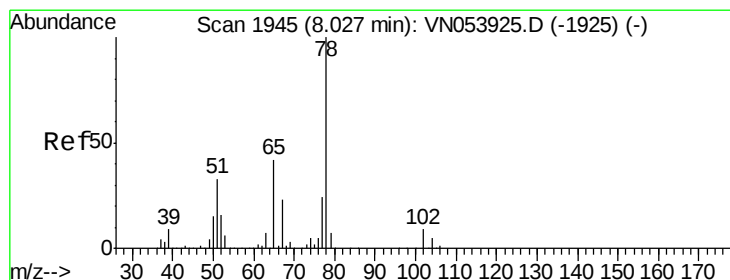
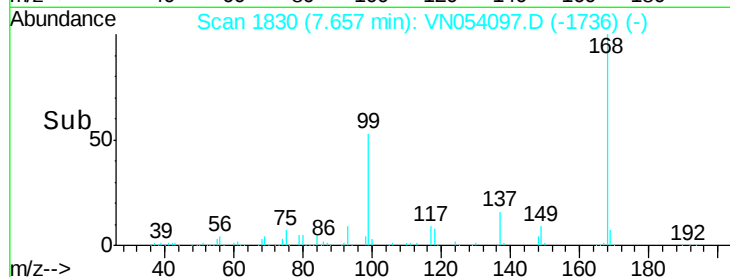
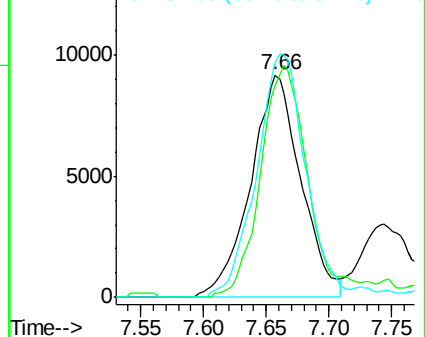
84 105.8 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.104 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054097.D

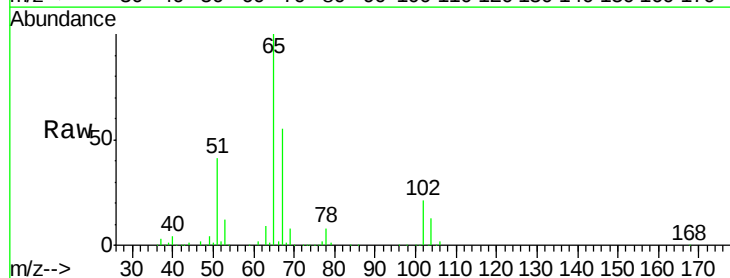
Acq: 5 Mar 2019 14:21

Tgt Ion: 65 Resp: 376393

Ion Ratio Lower Upper

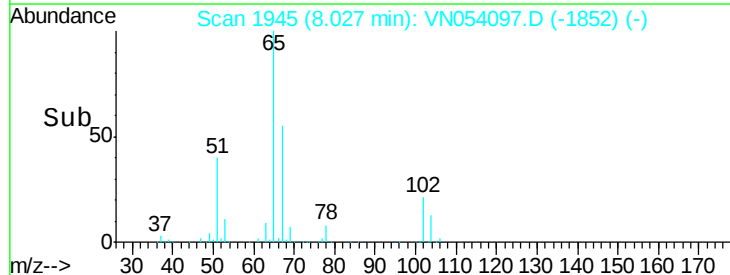
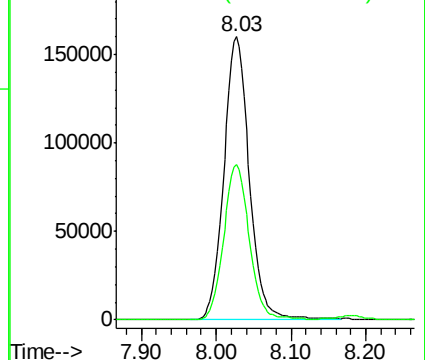
65 100

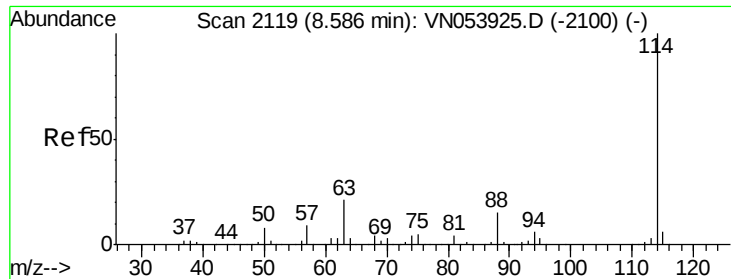
67 55.2 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

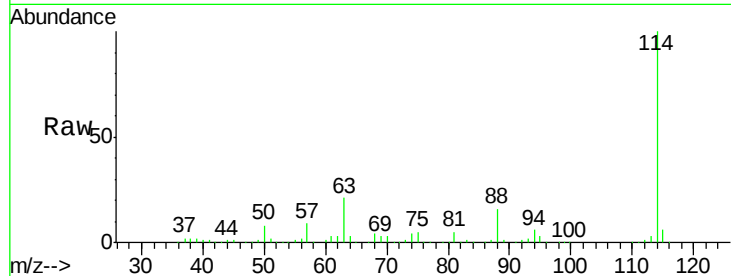
Tot Ion:114 Resp: 1088804

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

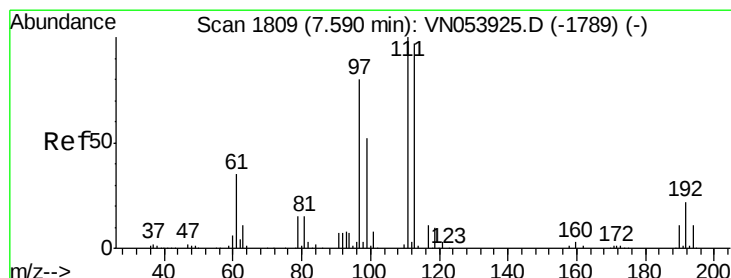
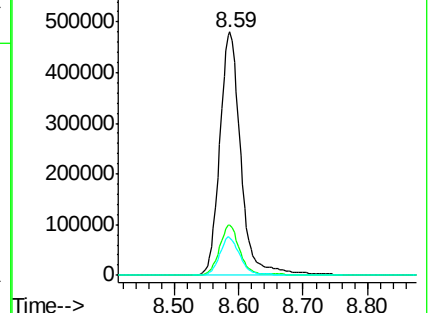
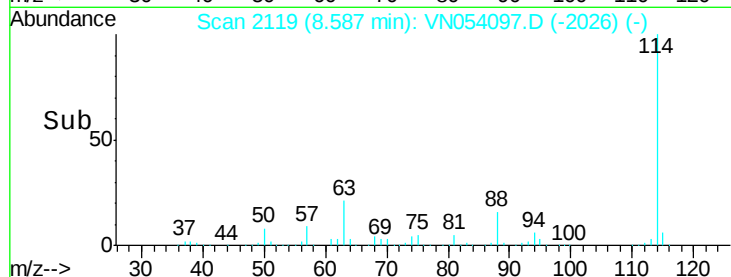
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.556 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

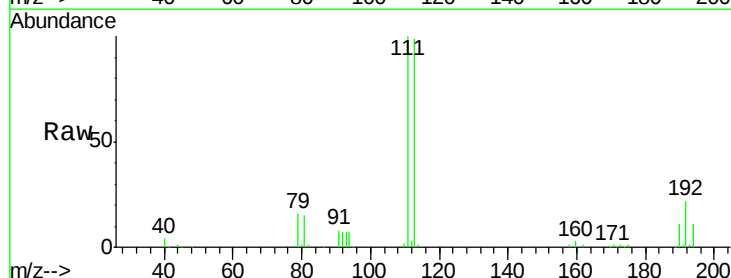
Tgt Ion:113 Resp: 355959

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

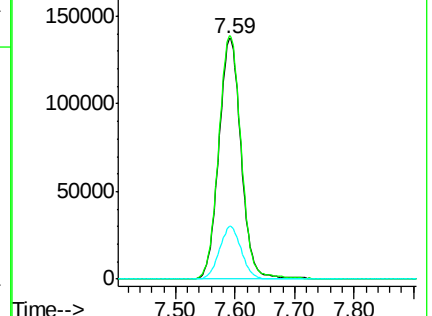
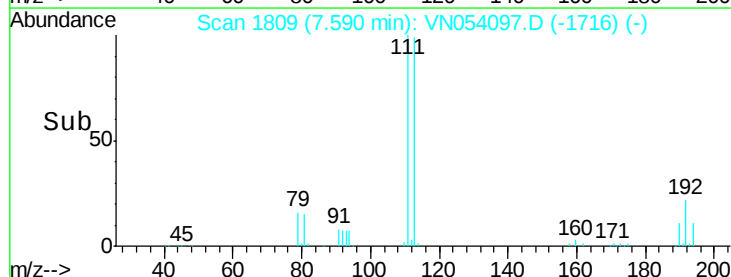
192 21.5 18.8 28.2

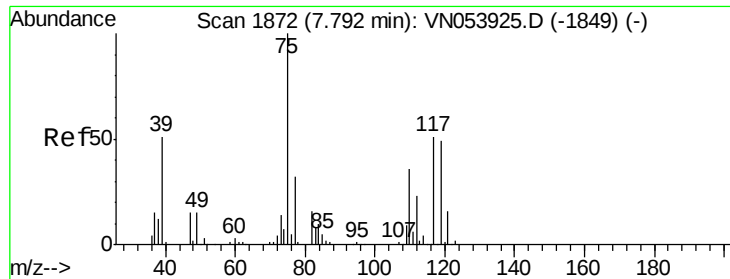


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

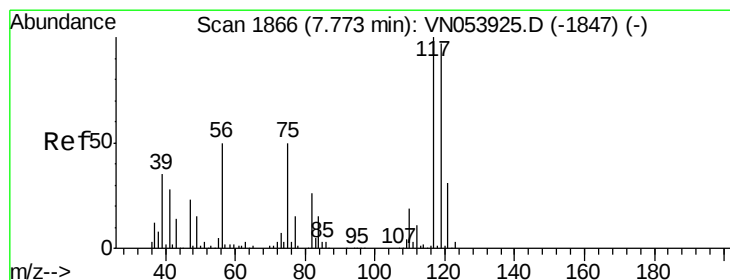
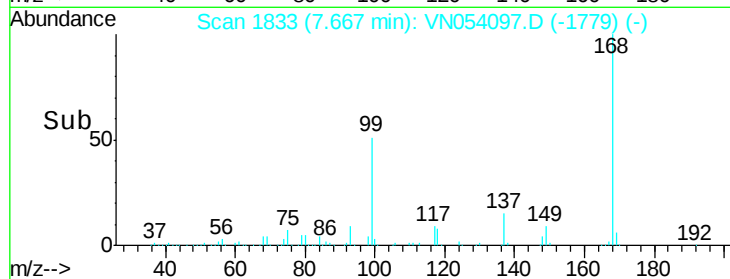
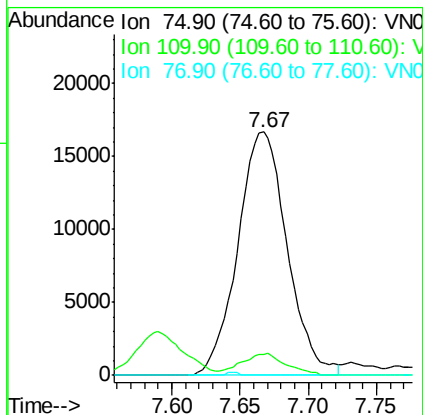
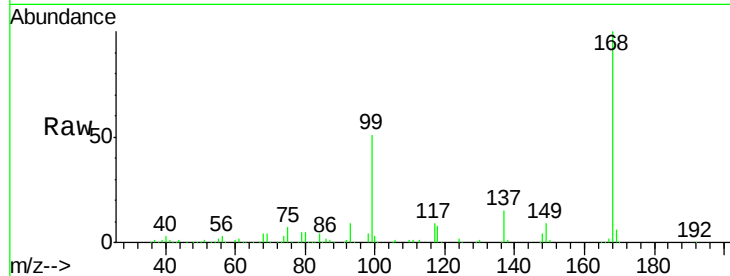




#36
 1,1-Dichloropropene
 Concen: 4.137 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

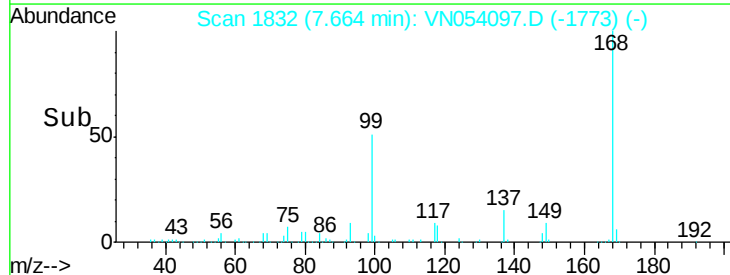
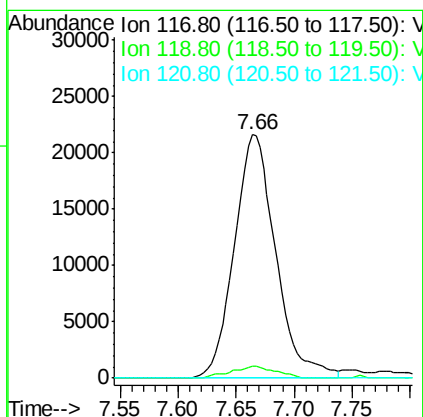
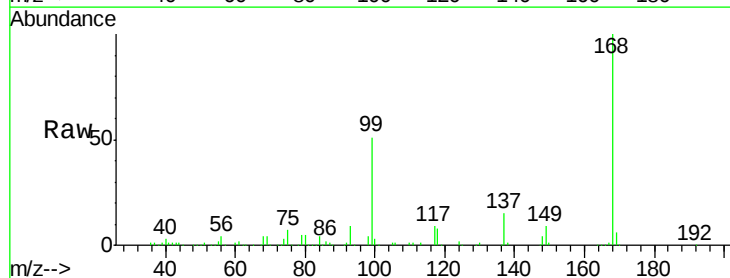
Instrument :
 MSVOA_N
 ClientSampled :
 MW-11

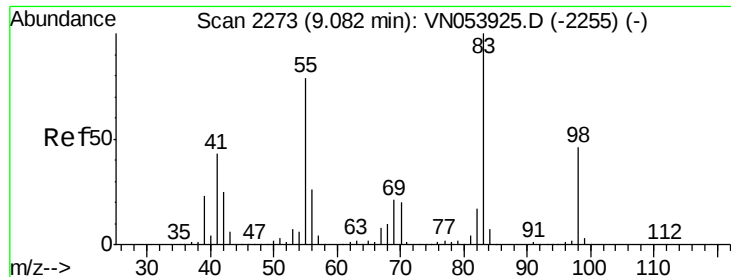
Tot Ion: 75 Resp: 41890
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 5.107 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 117 Resp: 53778
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 24.6 36.8#

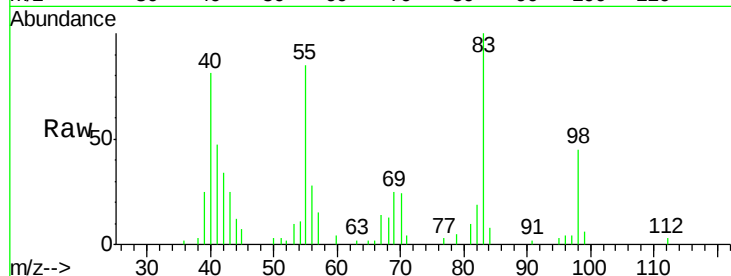




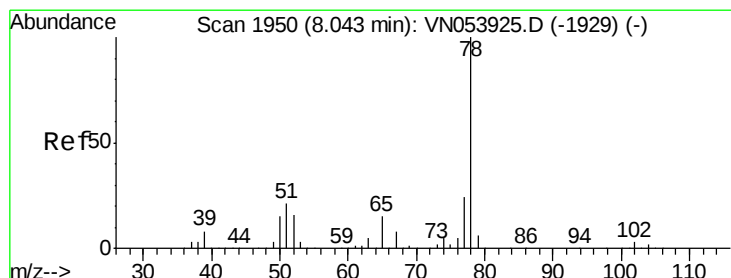
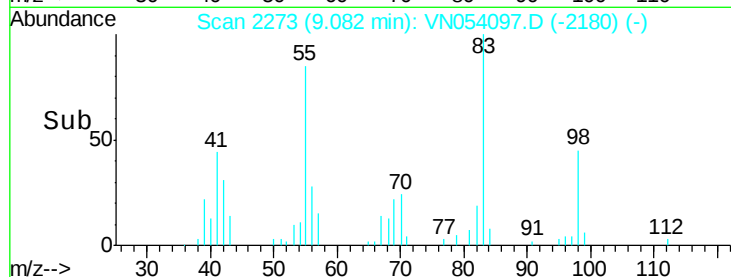
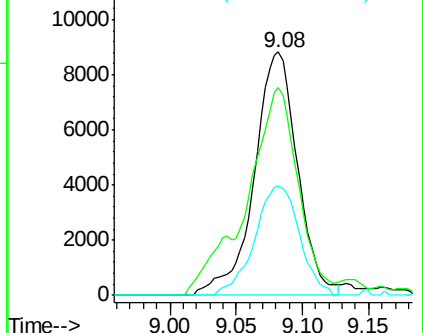
#39
Methvlcvclohexane
Concen: 1.647 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Tot Ion: 83 Resp: 20098
Ion Ratio Lower Upper
83 100
55 82.7 58.2 87.4
98 44.9 37.2 55.8

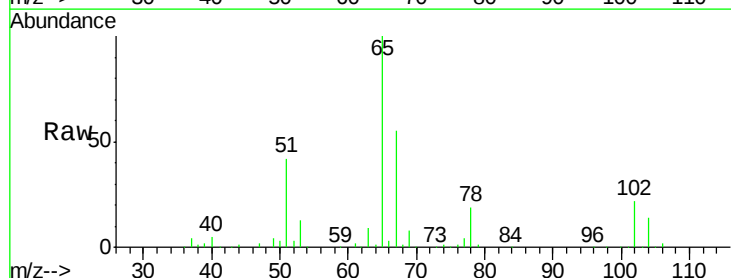


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

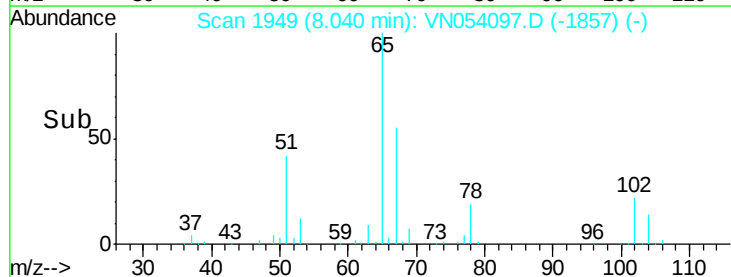
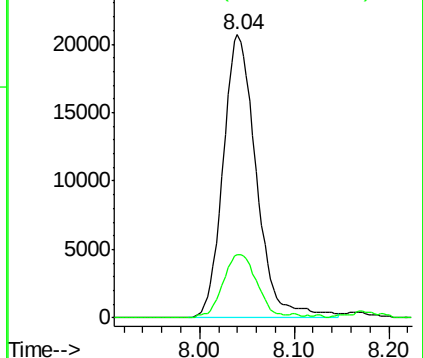


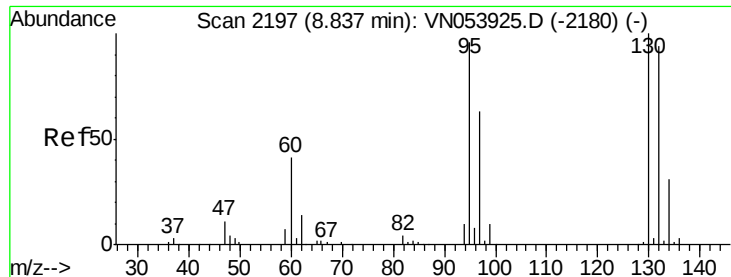
#40
Benzene
Concen: 1.624 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion: 78 Resp: 50530
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2



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

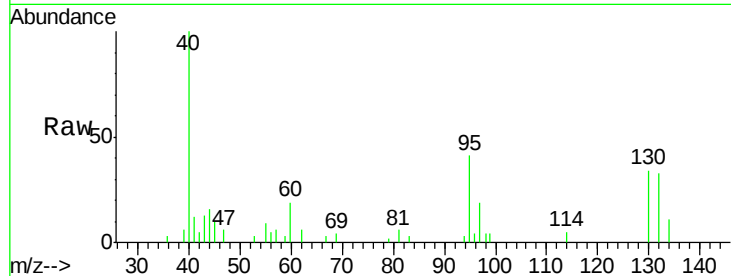




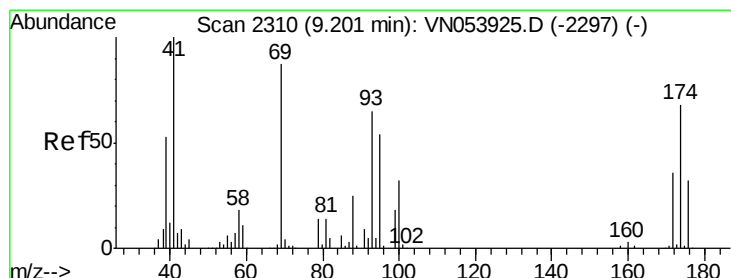
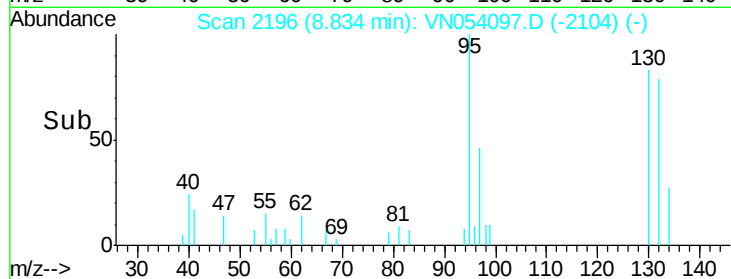
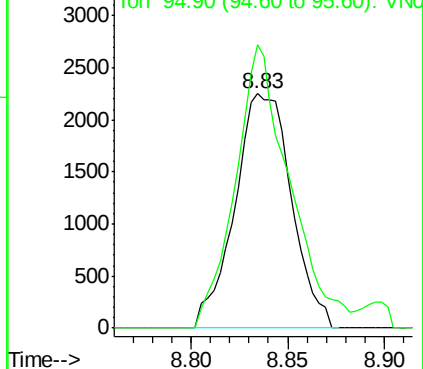
#44
 Trichloroethene
 Concen: 0.556 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 MW-11

Tot Ion:130 Resp: 4583
 Ion Ratio Lower Upper
 130 100
 95 120.6 0.0 190.0

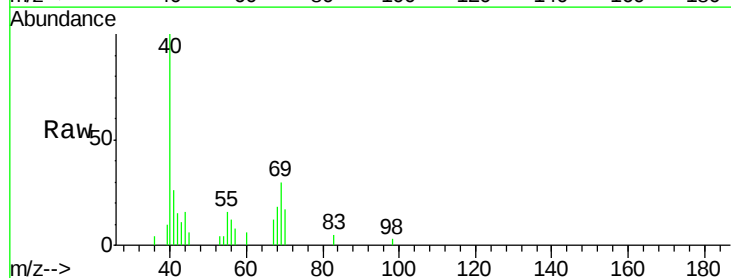


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

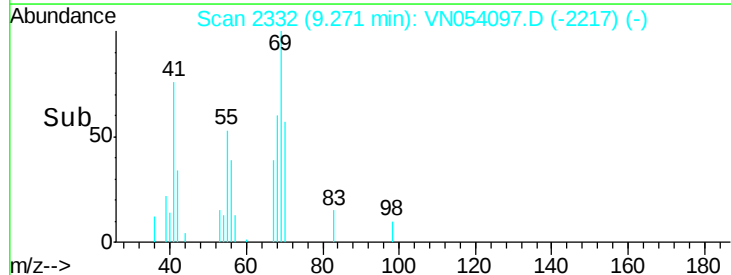
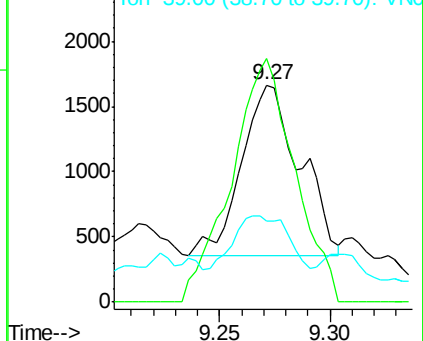


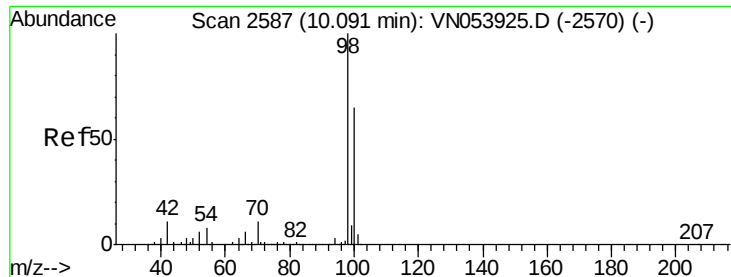
#48
 Methyl methacrylate
 Concen: 0.429 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.07 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 41 Resp: 2410
 Ion Ratio Lower Upper
 41 100
 69 153.9 74.8 112.2#
 39 37.3 39.0 58.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO
 Ion 69.00 (68.70 to 69.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 52.467 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

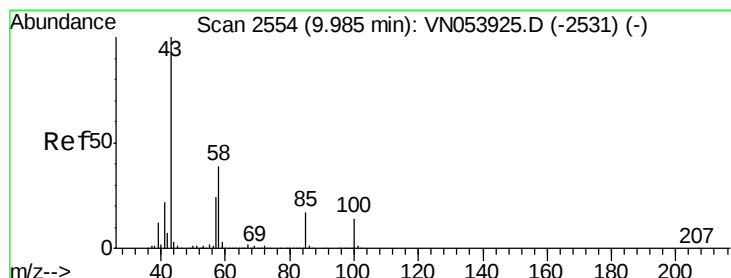
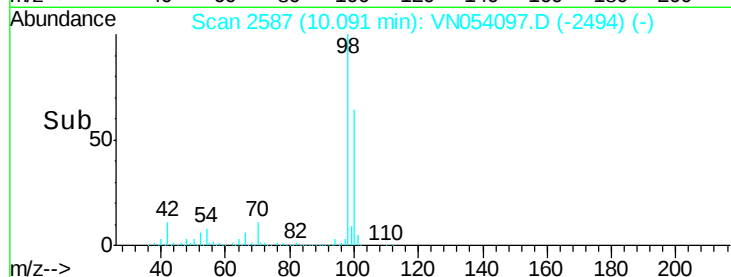
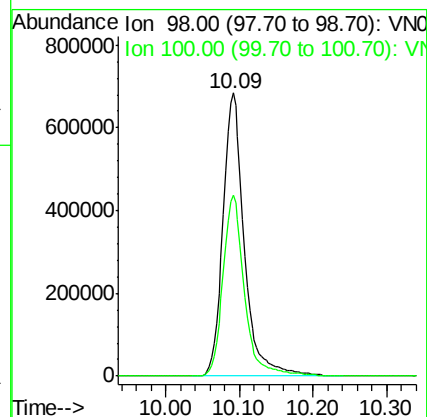
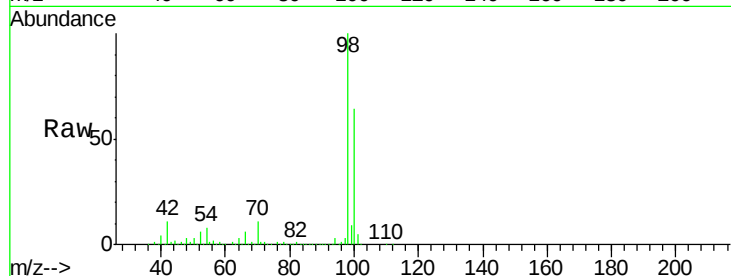
MW-11

Tot Ion: 98 Resp: 1375147

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.589 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054097.D

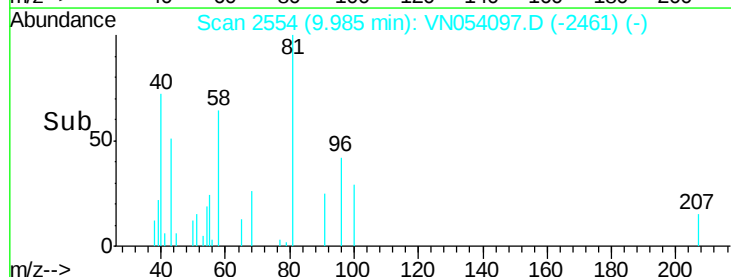
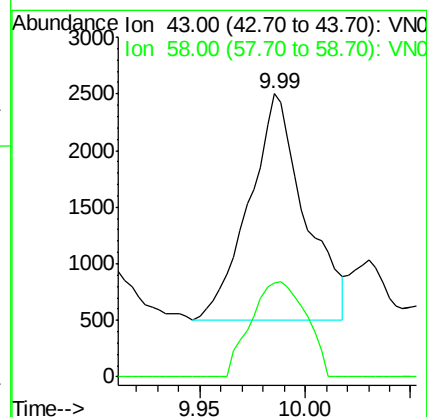
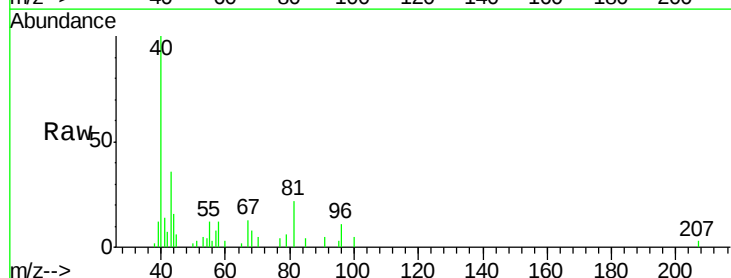
Acq: 5 Mar 2019 14:21

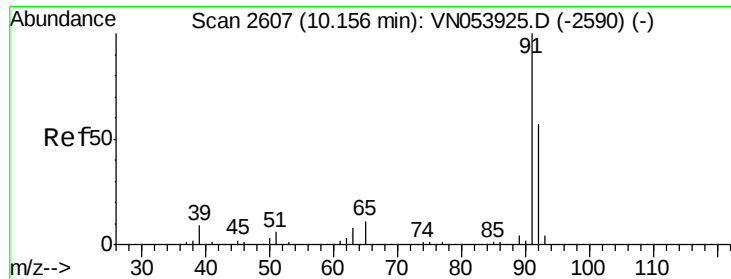
Tgt Ion: 43 Resp: 3692

Ion Ratio Lower Upper

43 100

58 41.4 32.7 49.1





#52

Toluene

Concen: 52.561 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

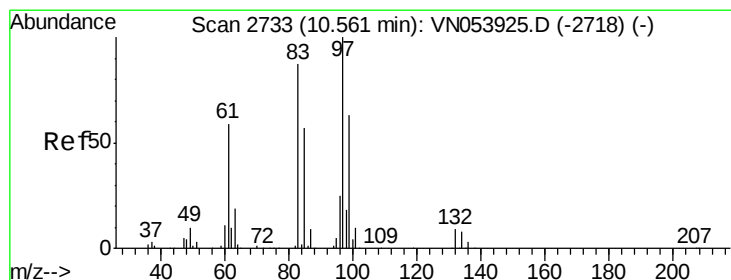
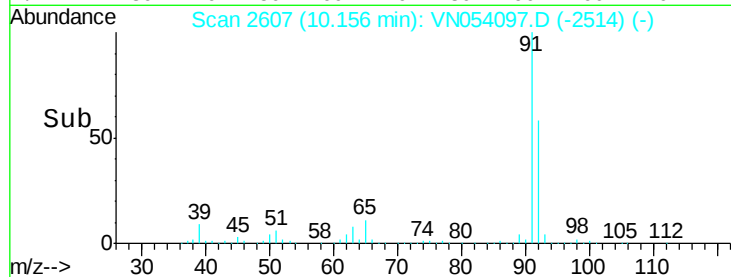
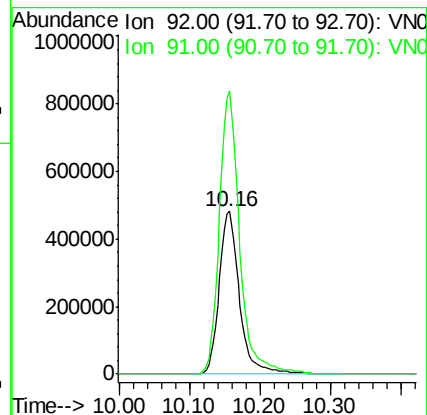
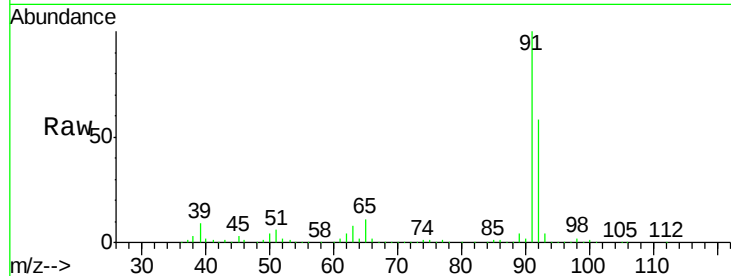
MW-11

Tot Ion: 92 Resp: 962720

Ion Ratio Lower Upper

92 100

91 174.2 138.4 207.6



#55

1,1,2-Trichloroethane

Concen: 0.953 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Tgt Ion: 97 Resp: 6522

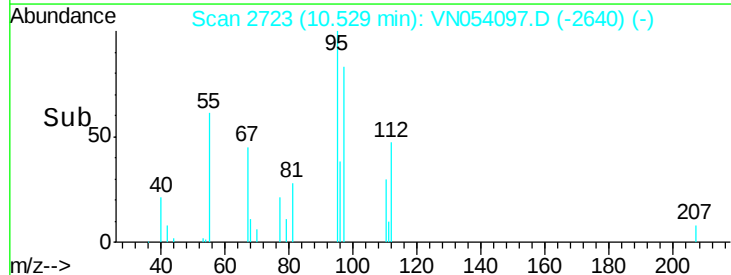
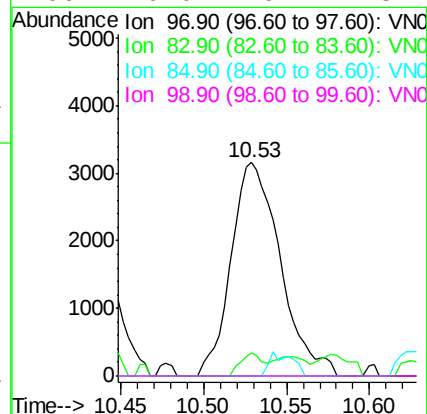
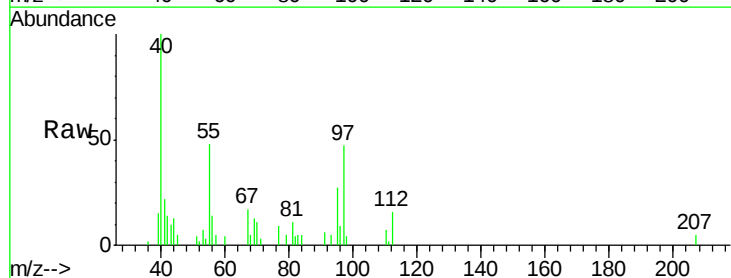
Ion Ratio Lower Upper

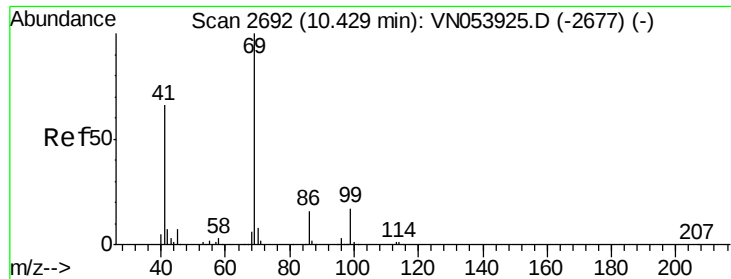
97 100

83 10.6 69.5 104.3#

85 0.0 45.9 68.9#

99 0.0 49.1 73.7#





#56

Ethyl methacrylate

Concen: 2.108 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

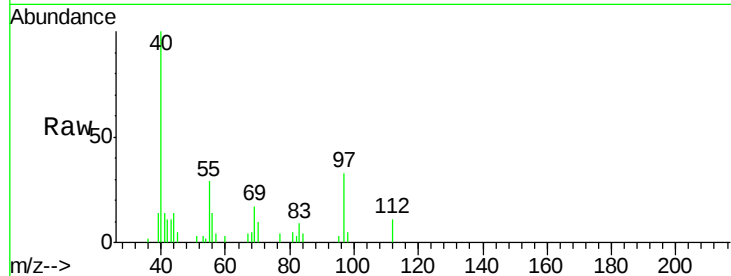
Tot Ion: 69 Resp: 1433

Ion Ratio Lower Upper

69 100

41 72.6 47.5 71.3#

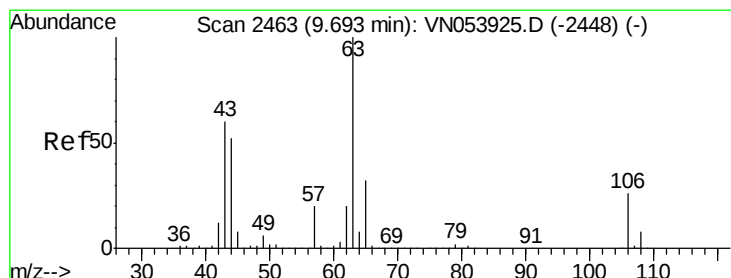
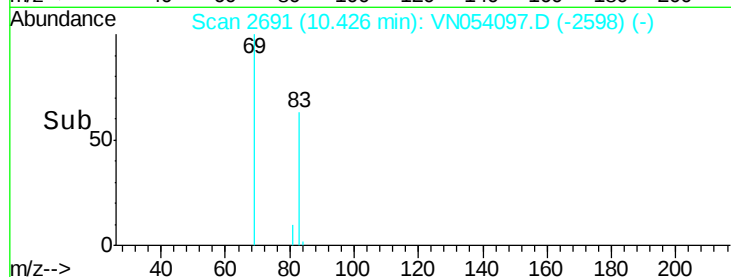
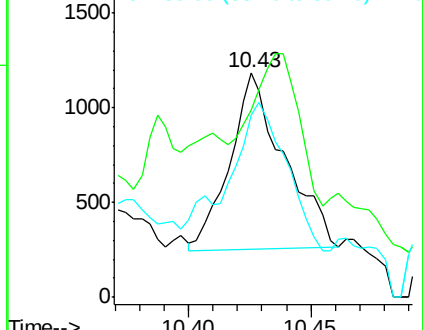
39 0.0 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.626 ug/l

RT: 9.65 min Scan# 2450

Delta R.T. -0.04 min

Lab File: VN054097.D

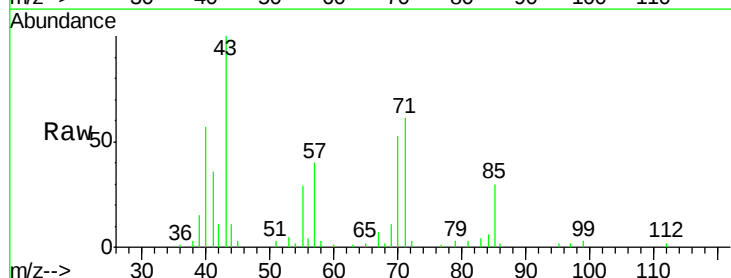
Acq: 5 Mar 2019 14:21

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

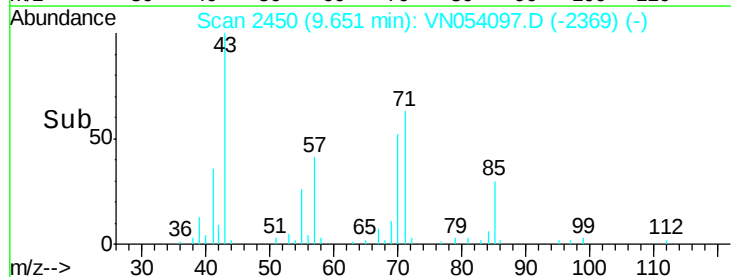
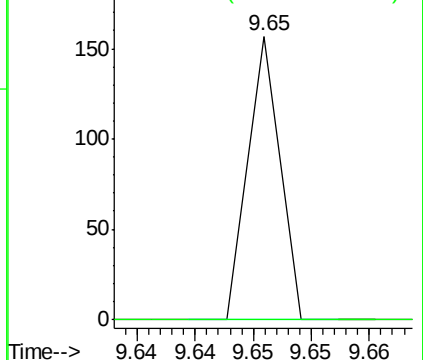
63 100

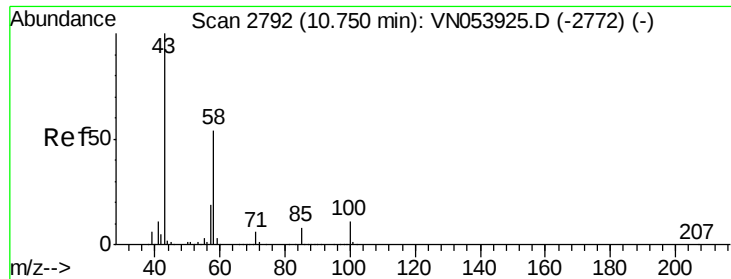
106 0.0 22.2 33.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

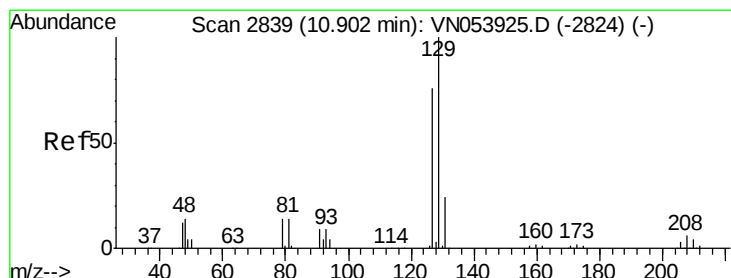
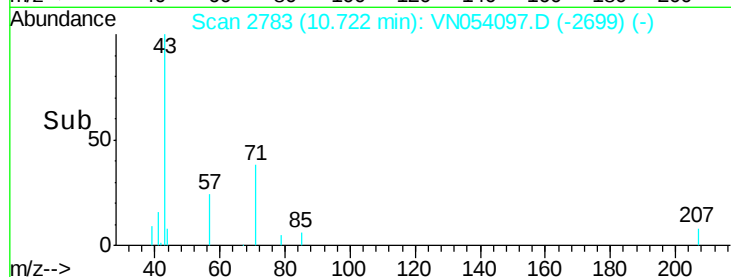
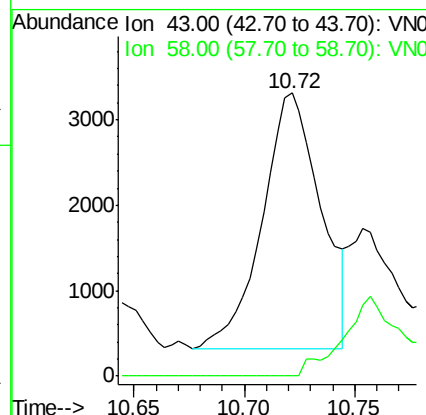
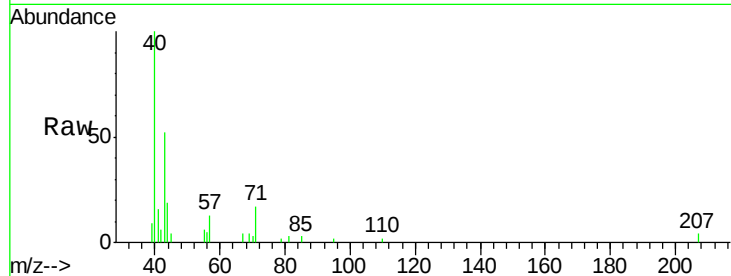




#59
2-Hexanone
Concen: 1.350 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

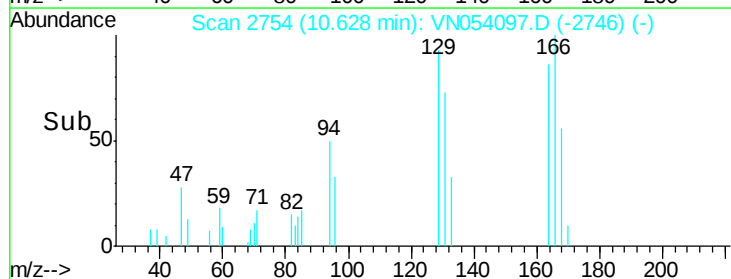
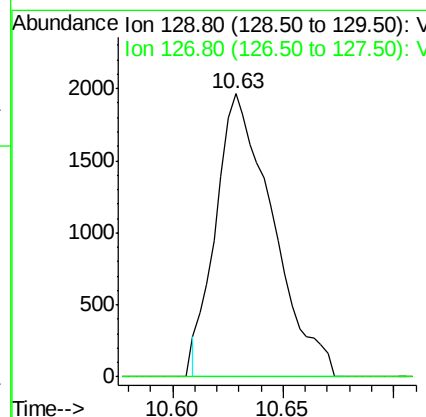
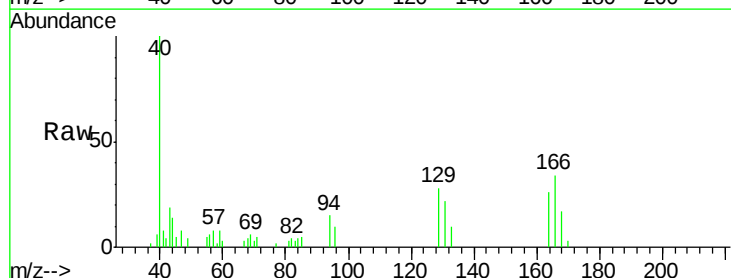
Instrument :
MSVOA_N
ClientSampled :
MW-11

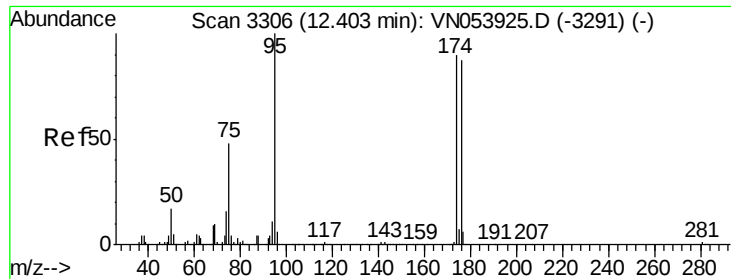
Tot Ion: 43 Resp: 5506
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#60
Dibromochloromethane
Concen: 0.459 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion: 129 Resp: 3491
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

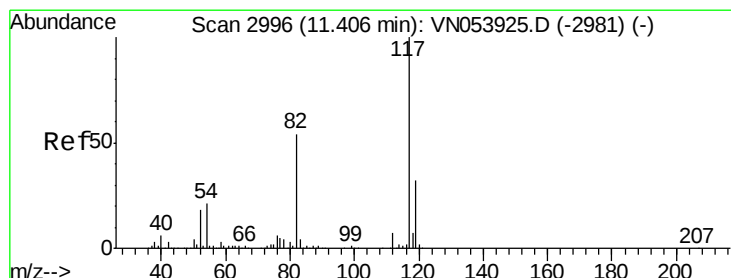
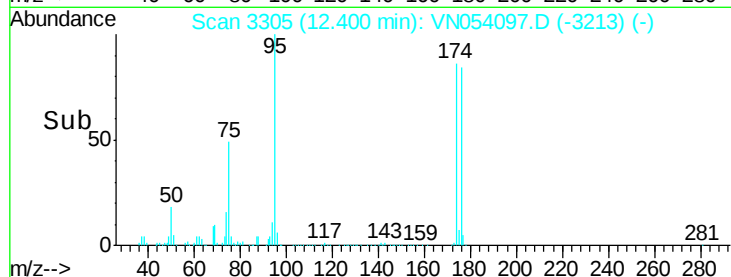
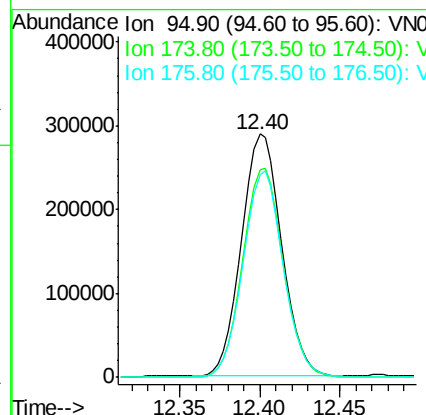
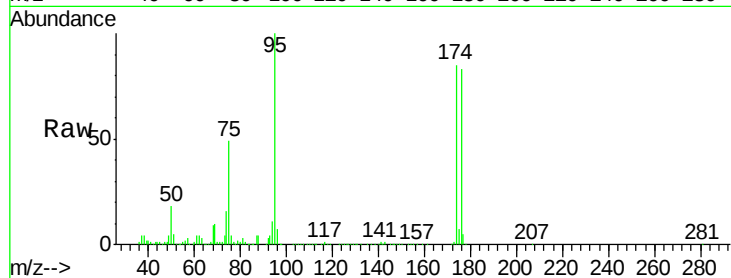




#62
4-Bromofluorobenzene
Concen: 56.609 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

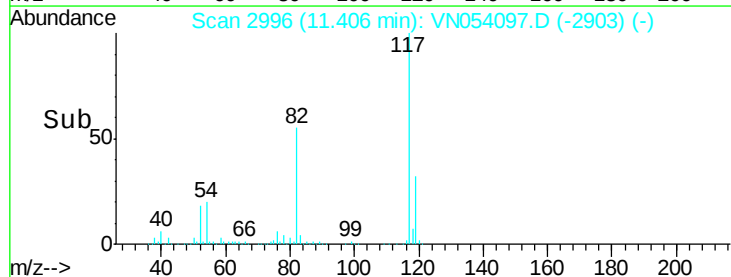
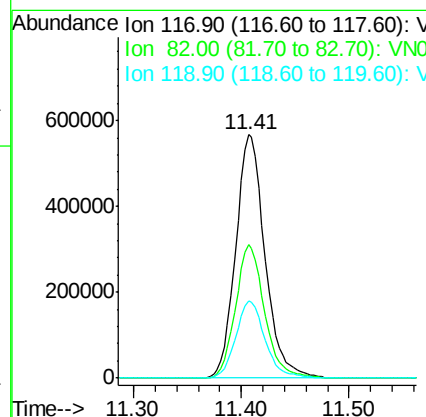
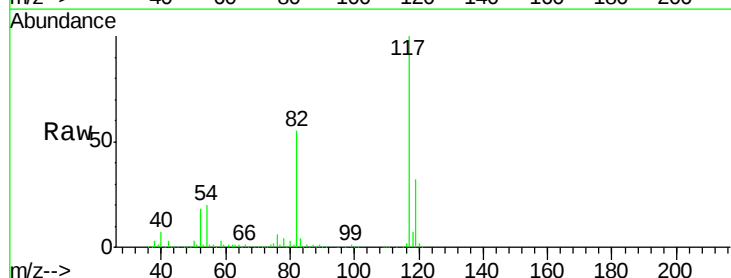
Instrument :
MSVOA_N
ClientSampleId :
MW-11

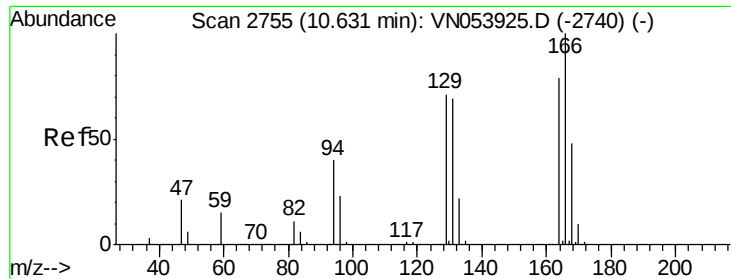
Tot Ion: 95 Resp: 494333
Ion Ratio Lower Upper
95 100
174 87.4 0.0 188.8
176 85.1 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion: 117 Resp: 1070884
Ion Ratio Lower Upper
117 100
82 54.6 41.4 62.2
119 31.6 25.3 37.9

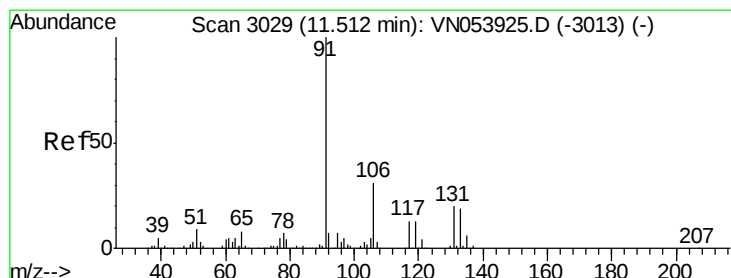
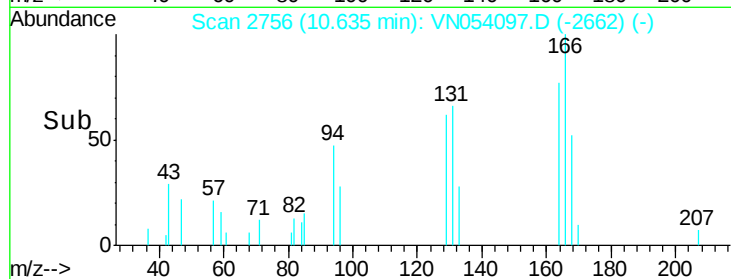
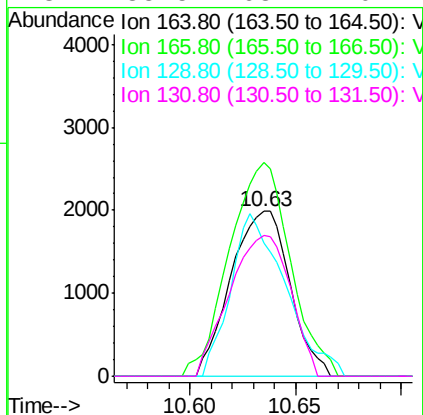
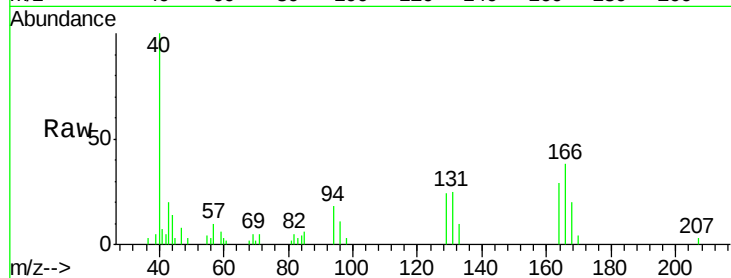




#64
Tetrachloroethene
Concen: 0.427 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

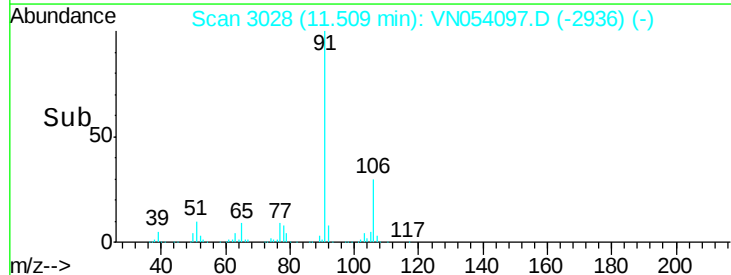
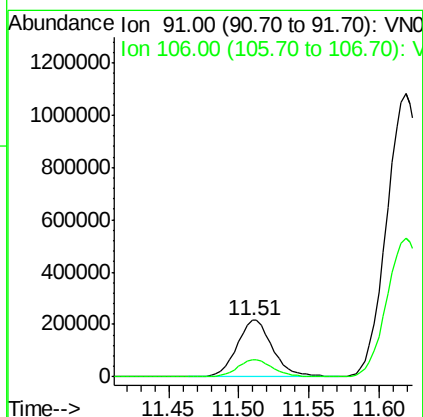
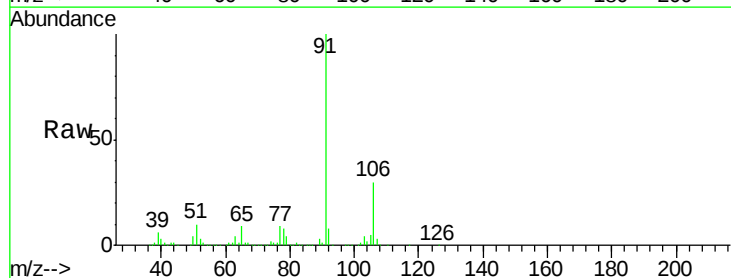
Instrument :
MSVOA_N
ClientSampleId :
MW-11

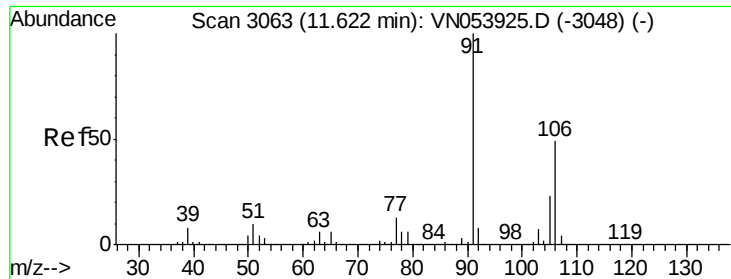
Tot Ion:164 Resp: 3872
Ion Ratio Lower Upper
164 100
166 129.4 102.6 153.8
129 80.8 69.4 104.0
131 85.5 68.1 102.1



#67
Ethyl Benzene
Concen: 10.157 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion: 91 Resp: 384822
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8

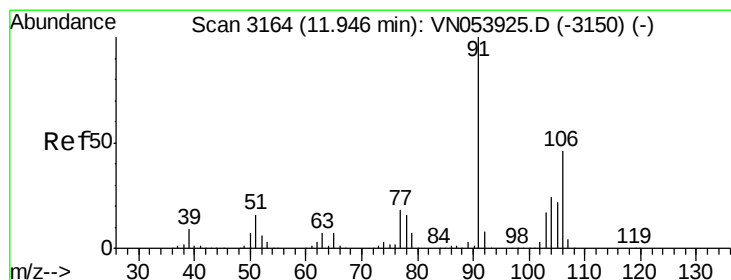
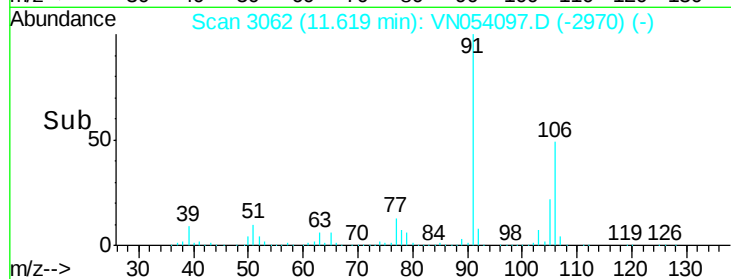
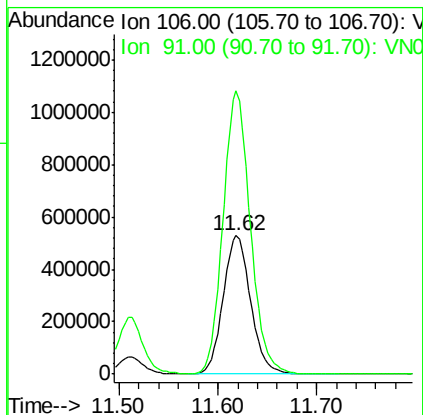
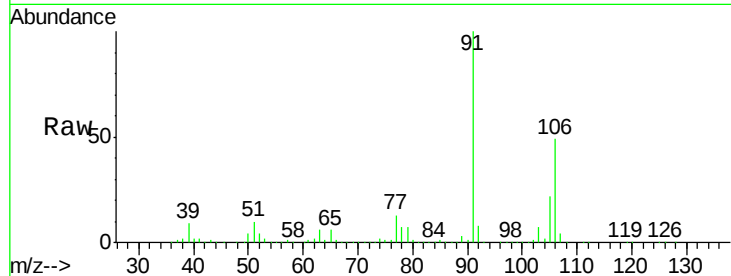




#68
m/p-Xylenes
Concen: 72.208 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

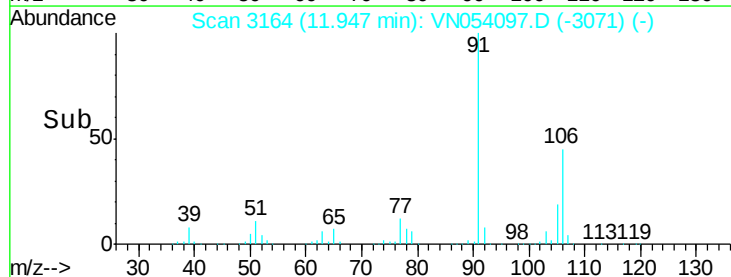
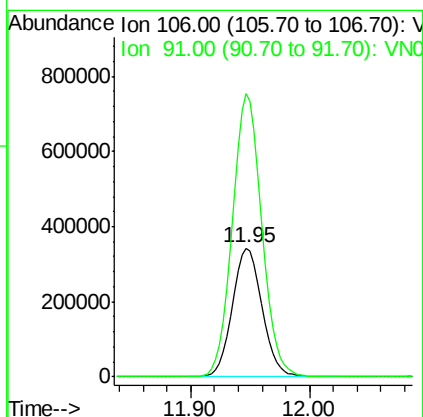
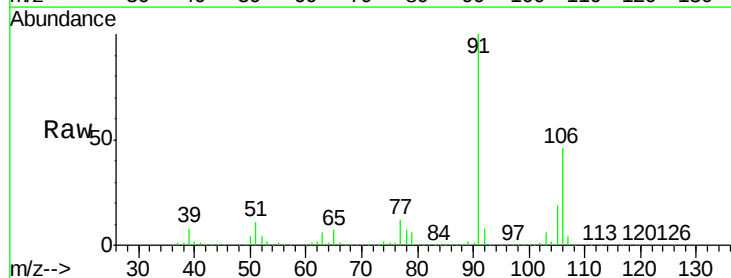
Instrument :
MSVOA_N
ClientSampled :
MW-11

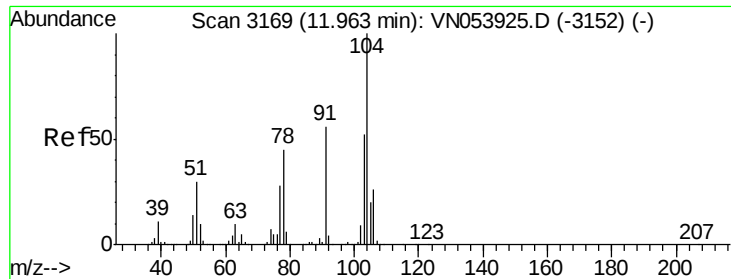
Tot Ion:106 Resp: 1032564
Ion Ratio Lower Upper
106 100
91 202.7 158.9 238.3



#69
o-Xylene
Concen: 42.266 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion:106 Resp: 593874
Ion Ratio Lower Upper
106 100
91 217.2 106.0 318.0

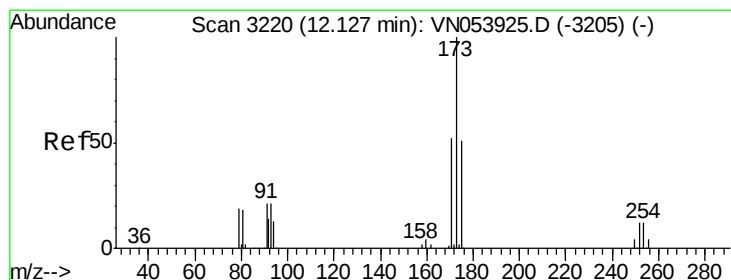
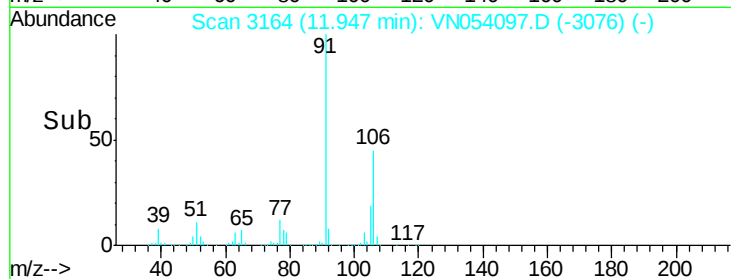
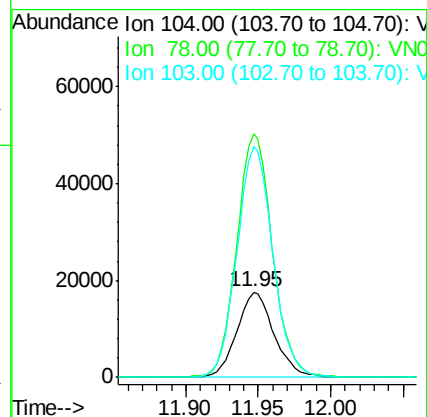
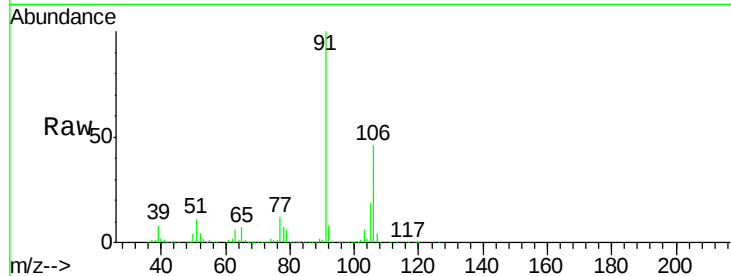




#70
Stvrene
Concen: 1.445 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

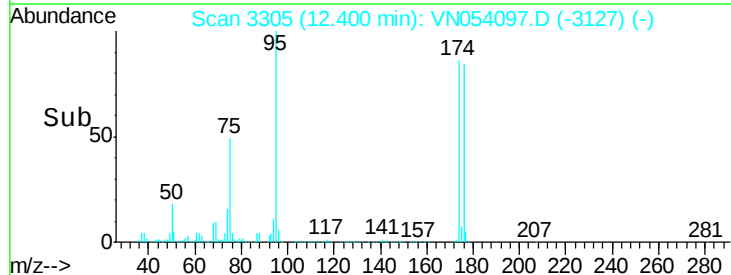
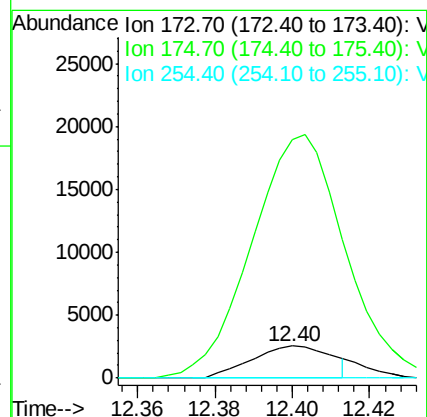
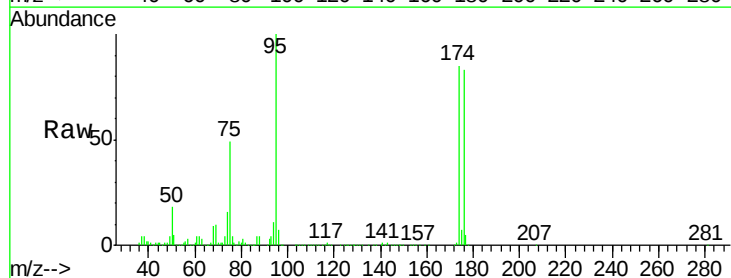
Instrument :
MSVOA_N
ClientSampleId :
MW-11

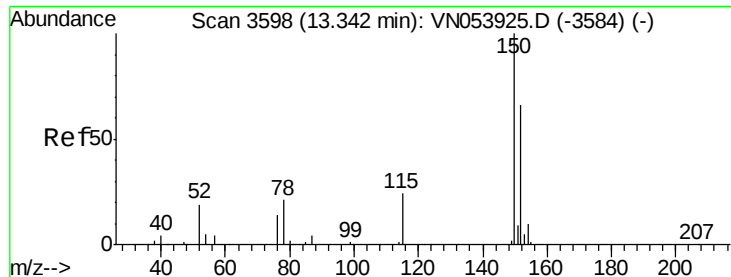
Tot Ion:104 Resp: 31225
Ion Ratio Lower Upper
104 100
78 275.8 38.1 57.1#
103 262.7 44.6 67.0#



#71
Bromoform
Concen: 0.647 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion:173 Resp: 3667
Ion Ratio Lower Upper
173 100
175 770.8 24.3 72.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

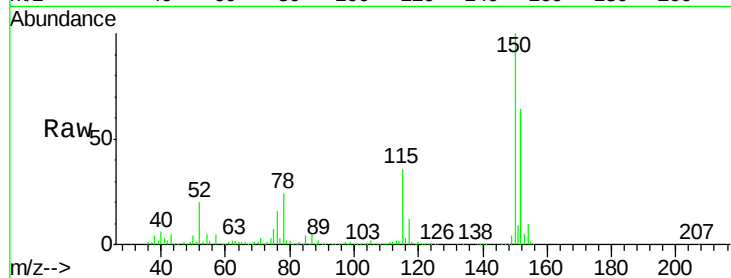
Tot Ion:152 Resp: 462613

Ion Ratio Lower Upper

152 100

115 67.3 27.2 81.6

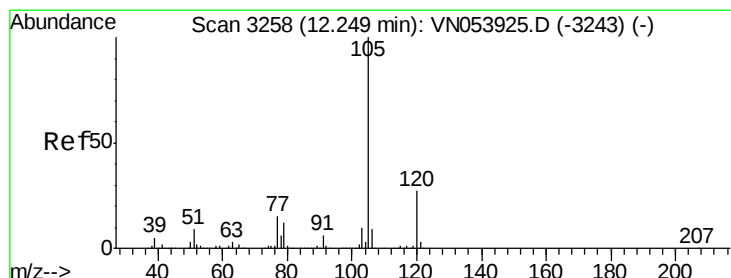
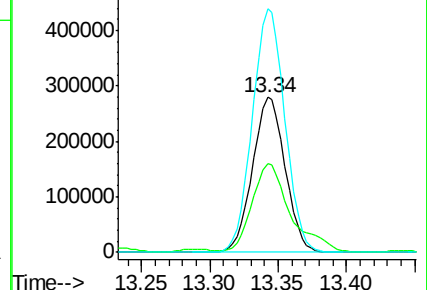
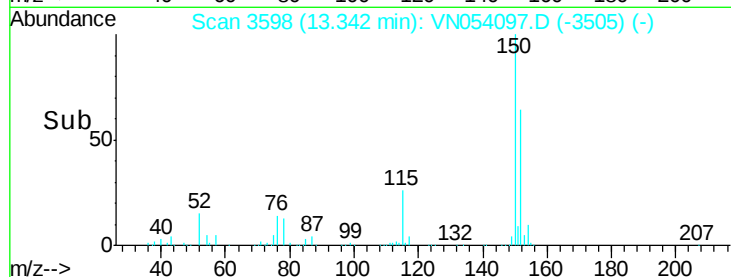
150 156.9 0.0 348.2



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



#73

Isopropylbenzene

Concen: 1.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054097.D

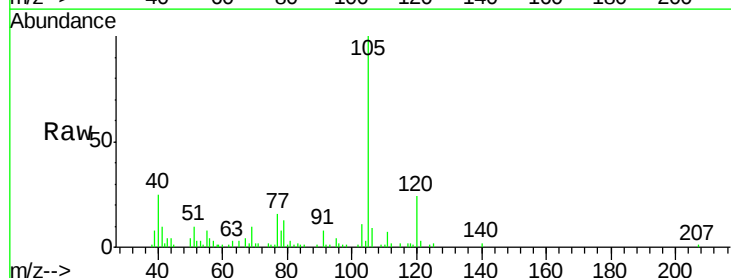
Acq: 5 Mar 2019 14:21

Tgt Ion:105 Resp: 46530

Ion Ratio Lower Upper

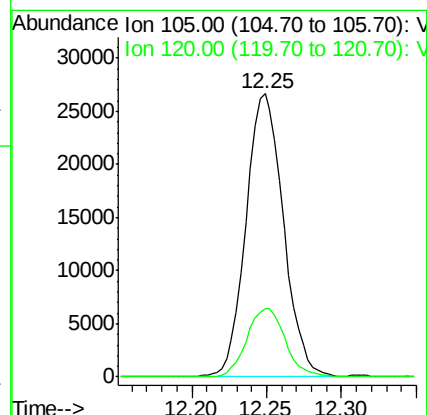
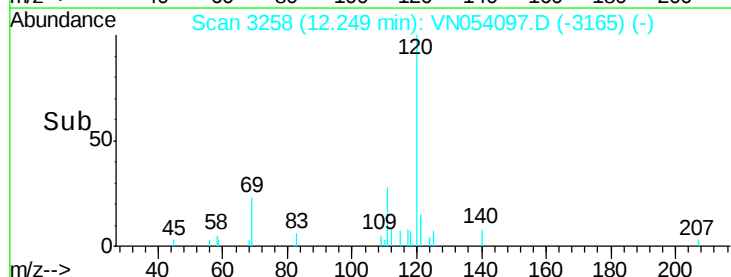
105 100

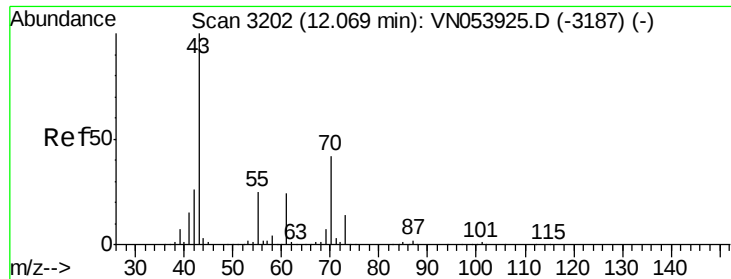
120 24.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 1.021 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

Tot Ion: 43 Resp: 9639

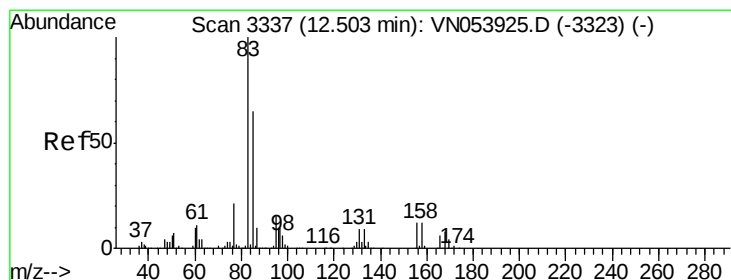
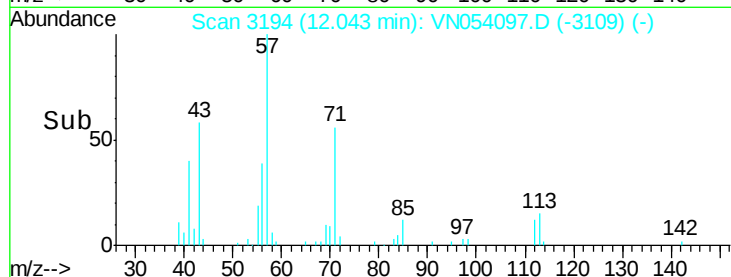
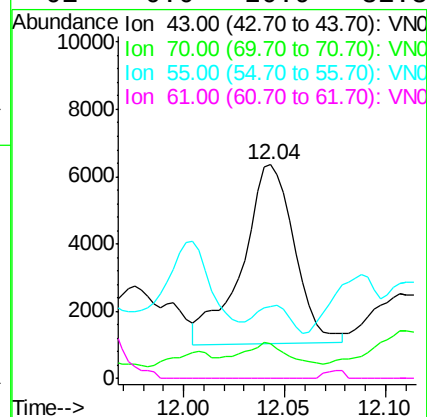
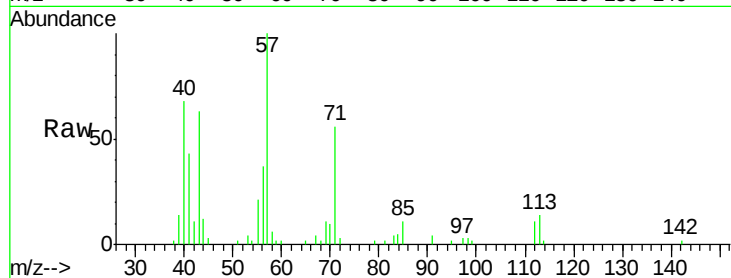
Ion Ratio Lower Upper

43 100

70 7.8 37.4 56.2#

55 10.0 21.4 32.0#

61 0.0 20.9 31.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.240 ug/l

RT: 12.45 min Scan# 3320

Delta R.T. -0.05 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

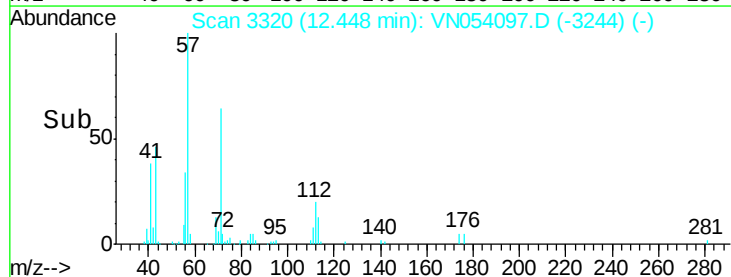
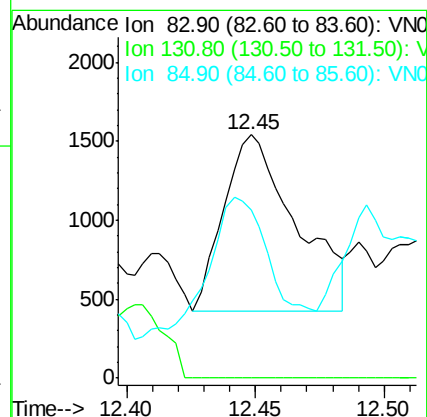
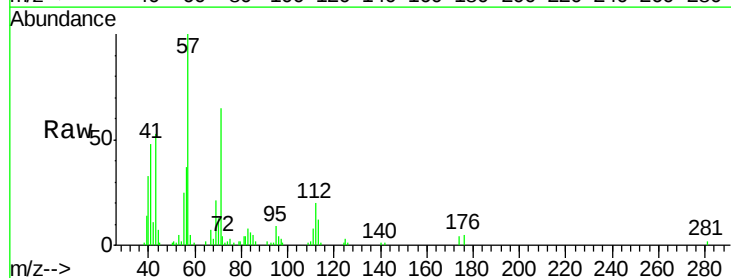
Tgt Ion: 83 Resp: 2165

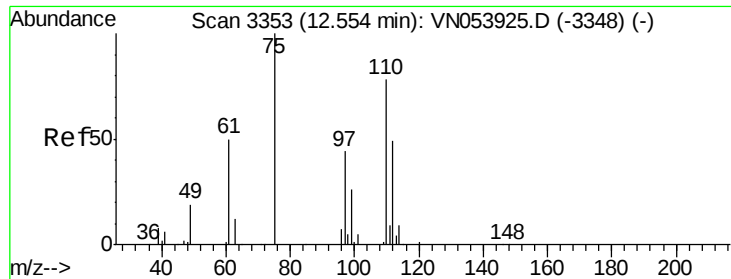
Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 31.9 95.9#

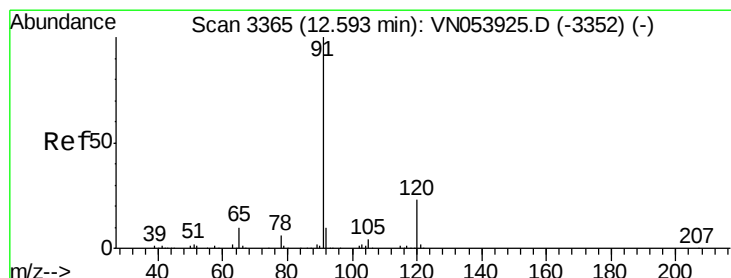
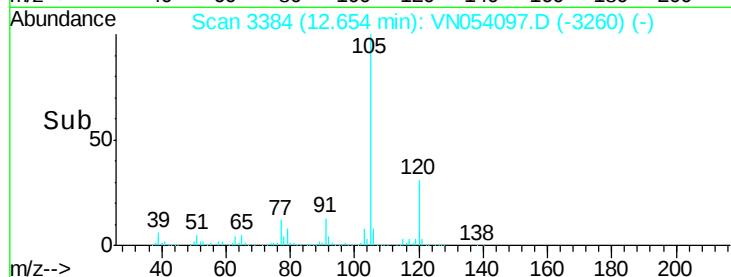
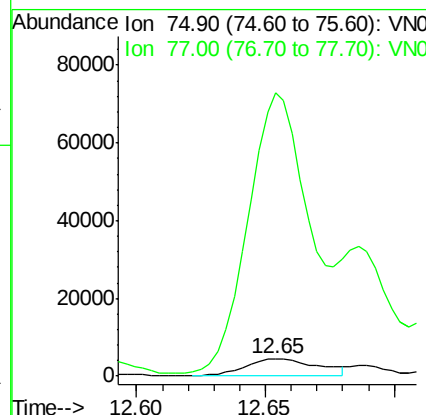
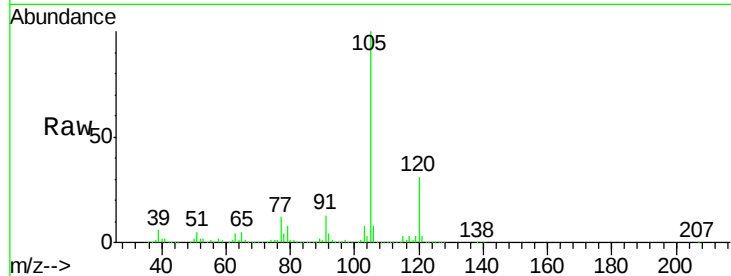




#76
 1,2,3-Trichloropropane
 Concen: 1.211 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. 0.10 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

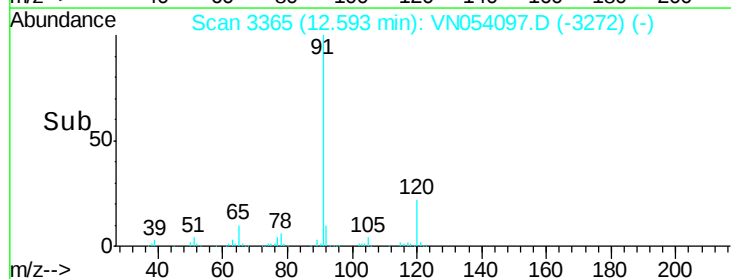
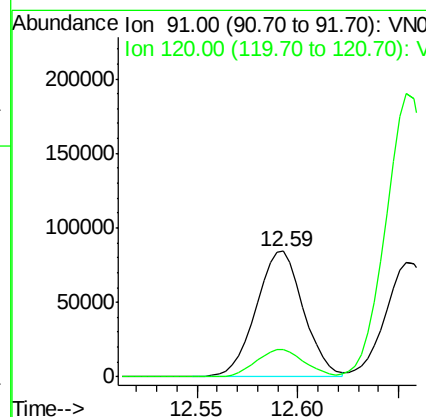
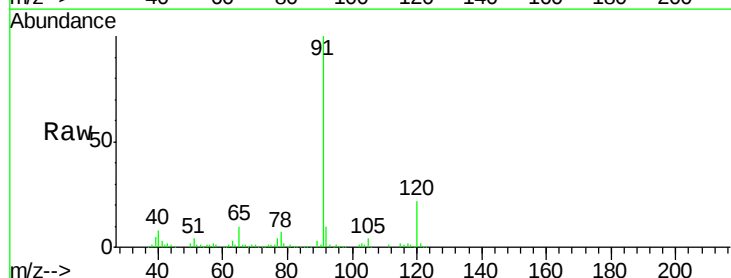
Instrument :
 MSVOA_N
 ClientSampled :
 MW-11

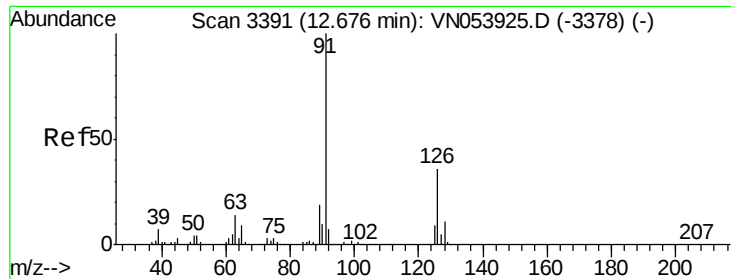
Tot Ion: 75 Resp: 8985
 Ion Ratio Lower Upper
 75 100
 77 1337.1 0.0 0.0#



#78
 n-propylbenzene
 Concen: 3.351 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 91 Resp: 137239
 Ion Ratio Lower Upper
 91 100
 120 22.5 11.9 35.9

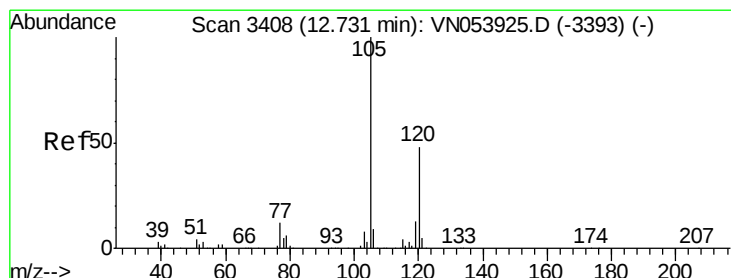
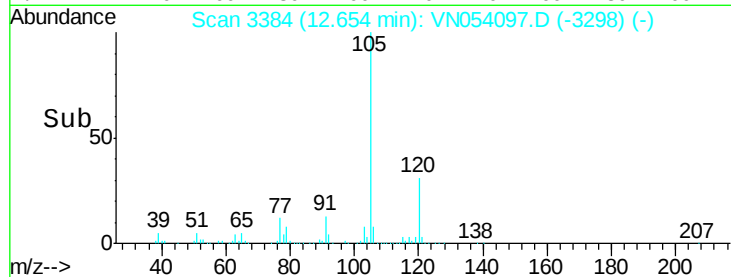
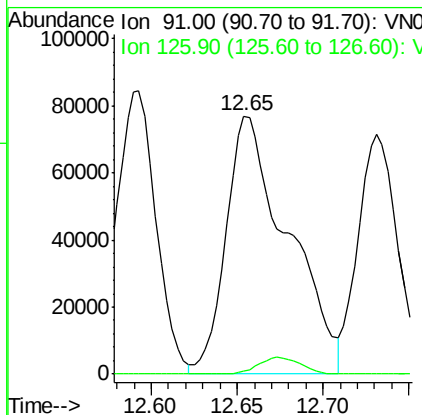
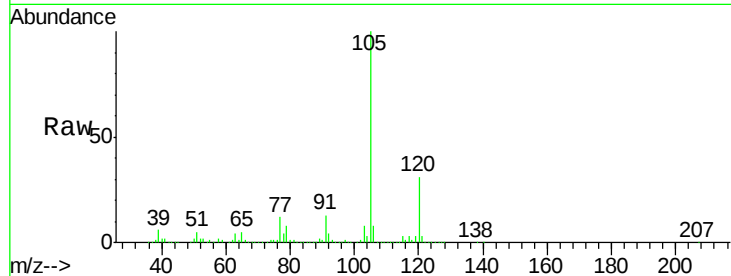




#79
 2-Chlorotoluene
 Concen: 7.739 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

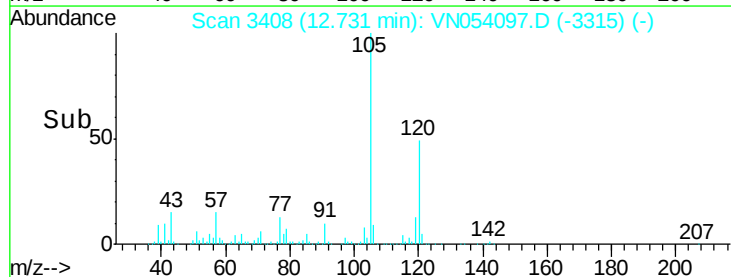
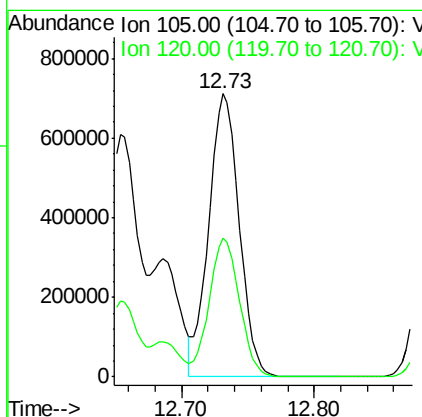
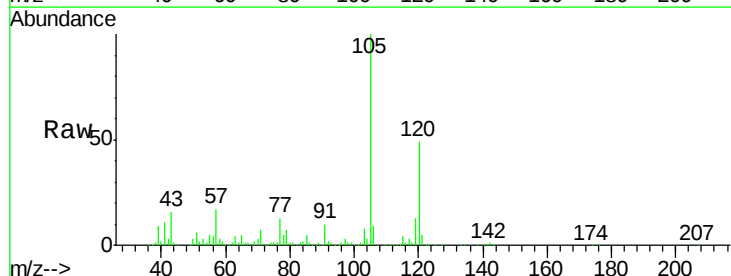
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

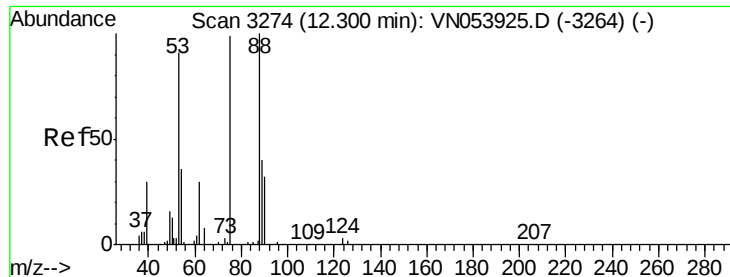
Tot Ion: 91 Resp: 190405
 Ion Ratio Lower Upper
 91 100
 126 4.5 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 38.375 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 105 Resp: 1131348
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 102.548 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

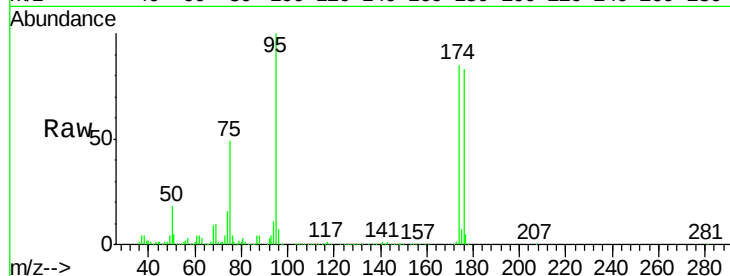
Tot Ion: 75 Resp: 240783

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

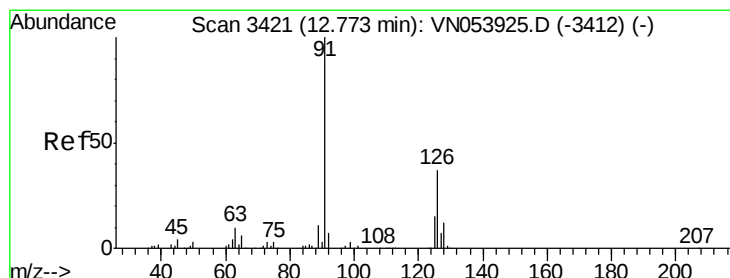
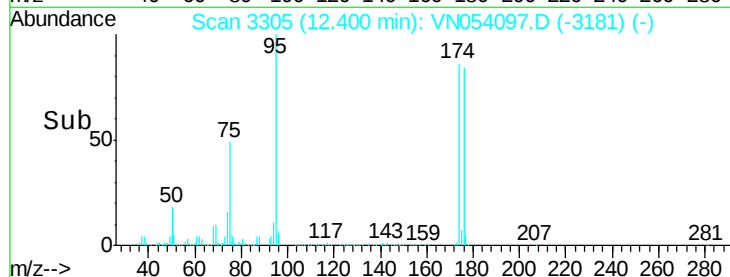
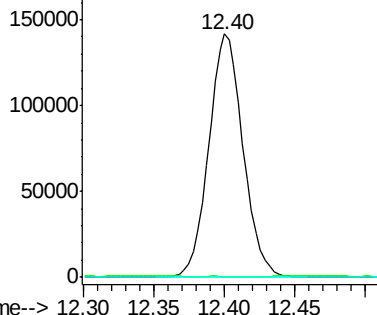
89 0.2 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.794 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054097.D

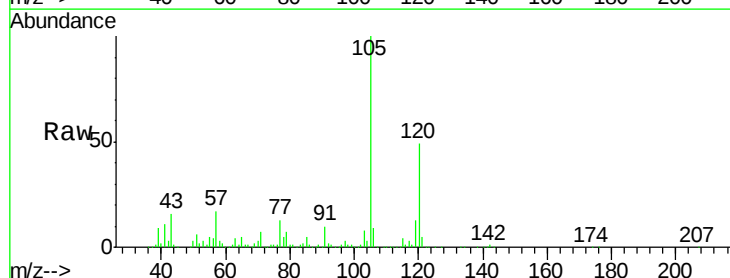
Acq: 5 Mar 2019 14:21

Tgt Ion: 91 Resp: 116572

Ion Ratio Lower Upper

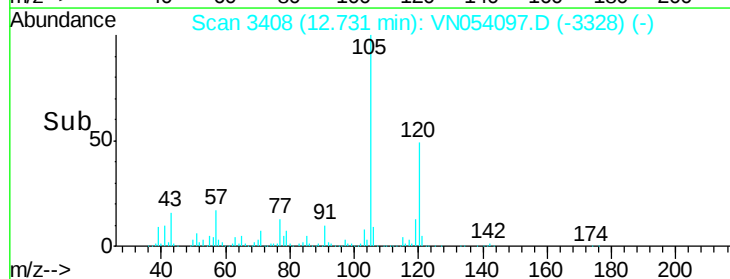
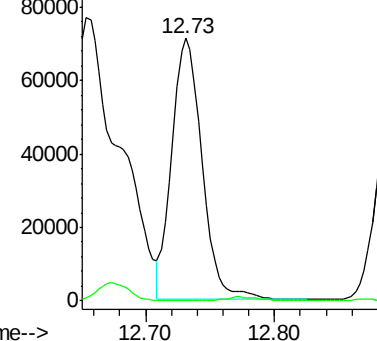
91 100

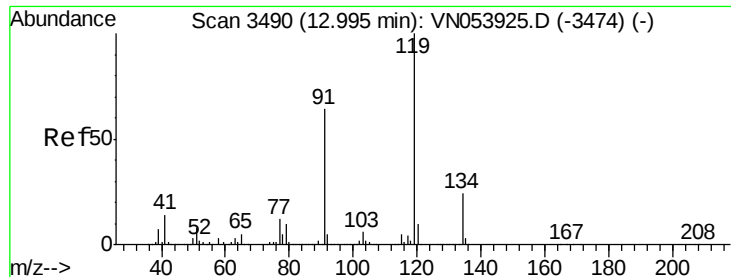
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

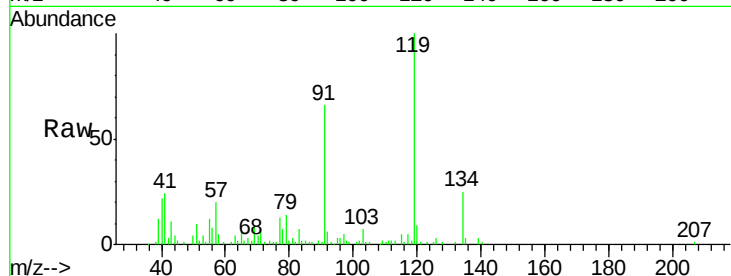




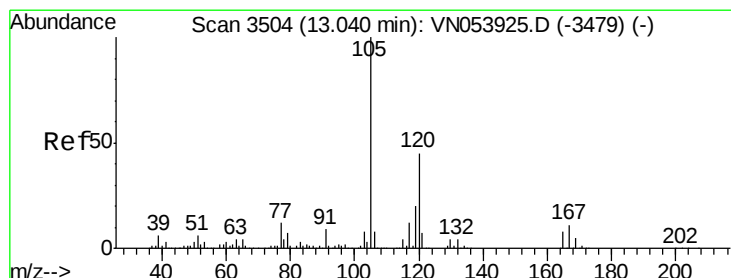
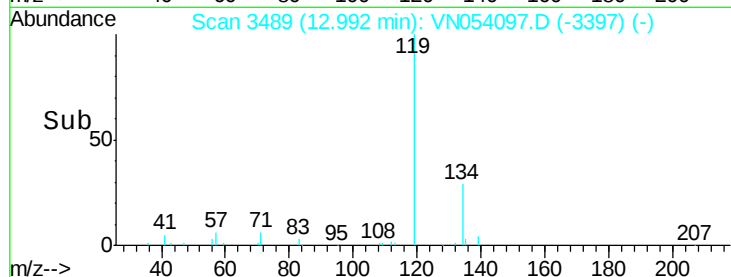
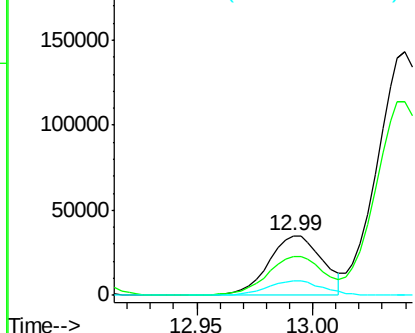
#83
tert-Butylbenzene
Concen: 2.170 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion:119 Resp: 56575
Ion Ratio Lower Upper
119 100
91 66.6 30.6 91.8
134 25.3 13.0 39.0

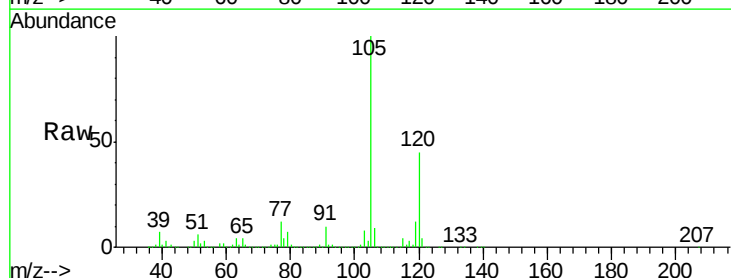


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

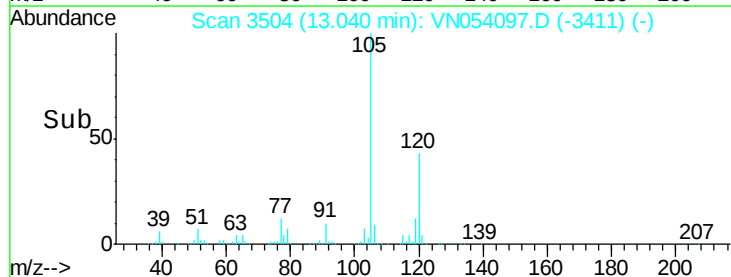
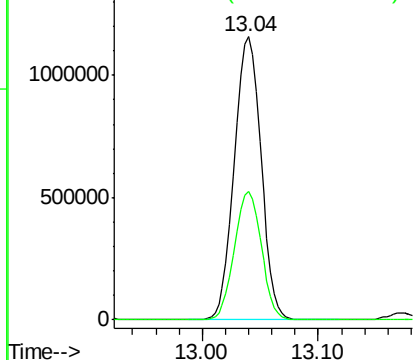


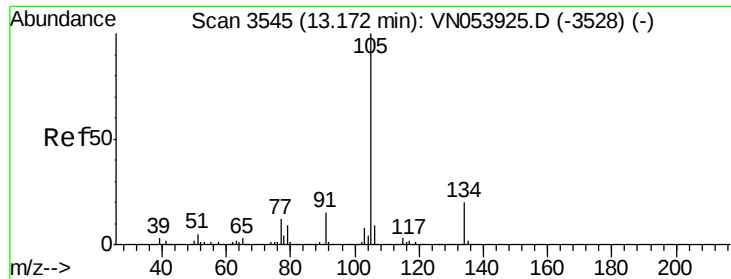
#84
1,2,4-Trimethylbenzene
Concen: 62.537 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion:105 Resp: 1840602
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.683 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

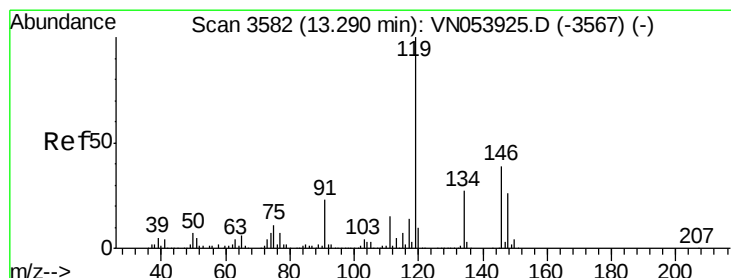
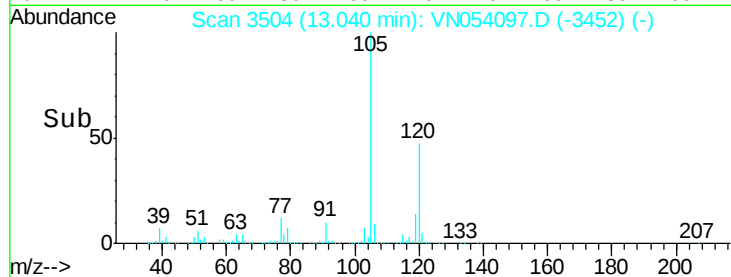
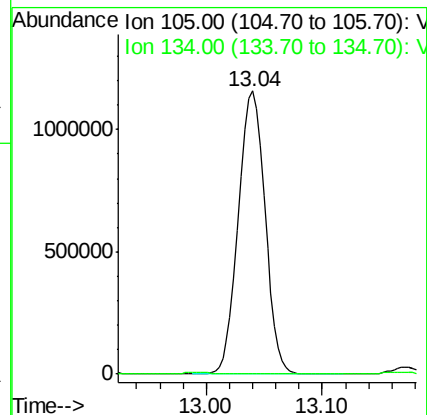
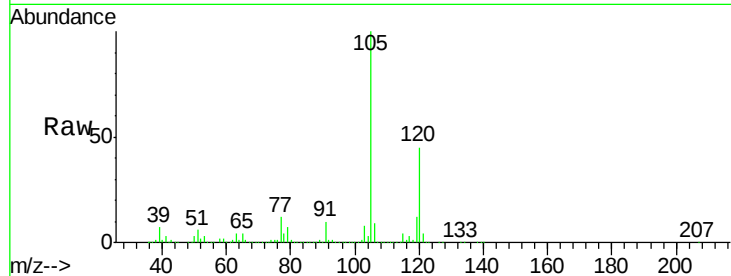
MW-11

Tot Ion:105 Resp: 1840602

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 3.994 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

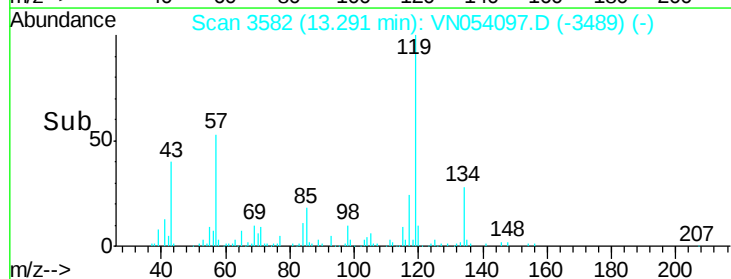
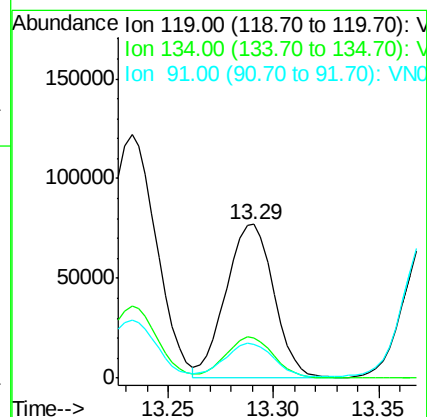
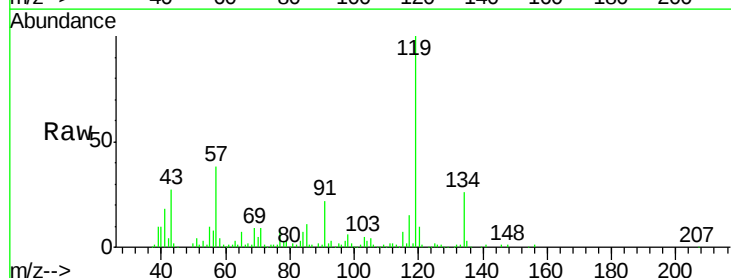
Tgt Ion:119 Resp: 120249

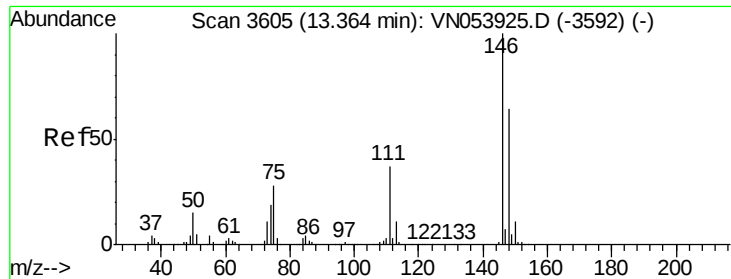
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 10.9 32.6





#88

1,4-Dichlorobenzene

Concen: 0.220 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

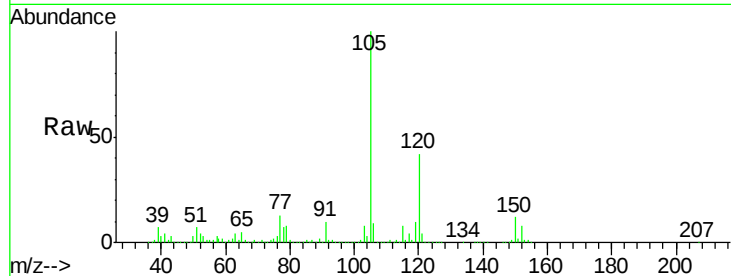
Tot Ion:146 Resp: 3383

Ion Ratio Lower Upper

146 100

111 160.1 18.0 54.0#

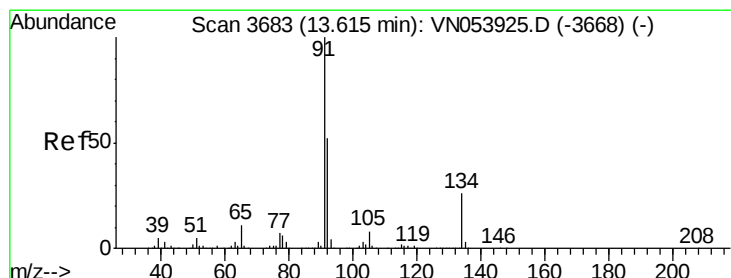
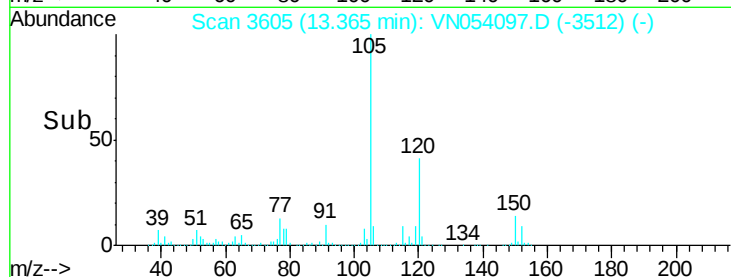
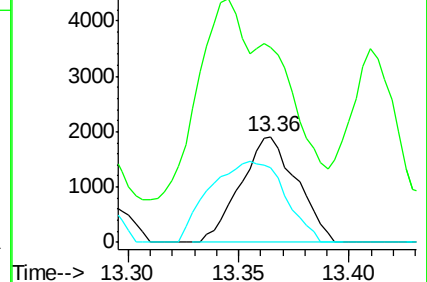
148 102.4 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 4.301 ug/l

RT: 13.58 min Scan# 3672

Delta R.T. -0.04 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

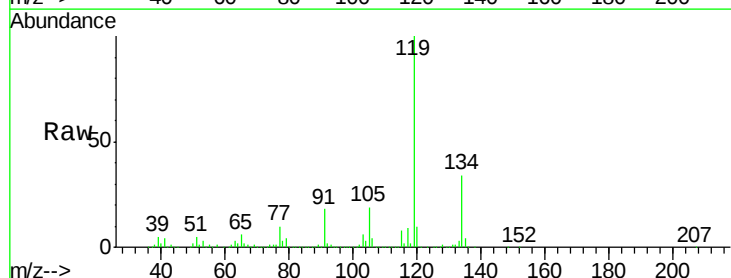
Tgt Ion: 91 Resp: 109134

Ion Ratio Lower Upper

91 100

92 14.0 26.1 78.2#

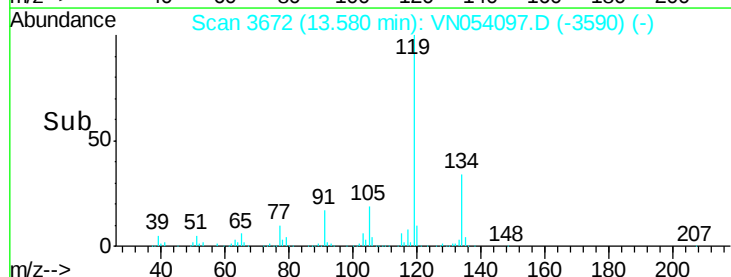
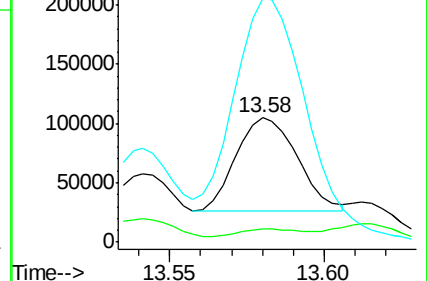
134 320.6 13.6 40.8#

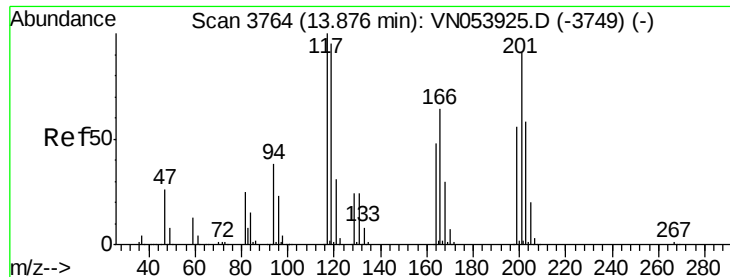


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 11.923 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

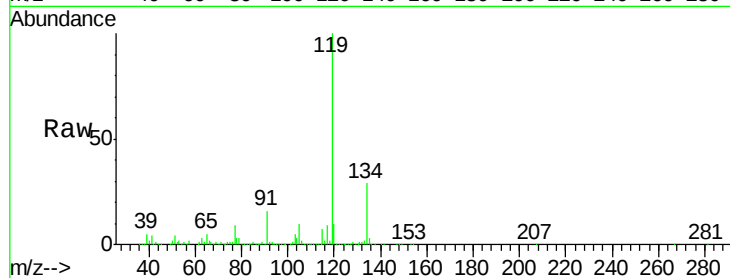
MW-11

Tot Ion:117 Resp: 69561

Ion Ratio Lower Upper

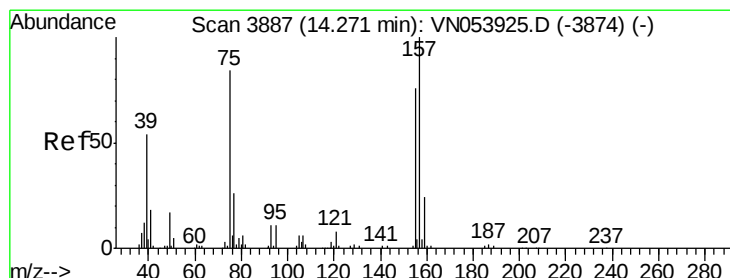
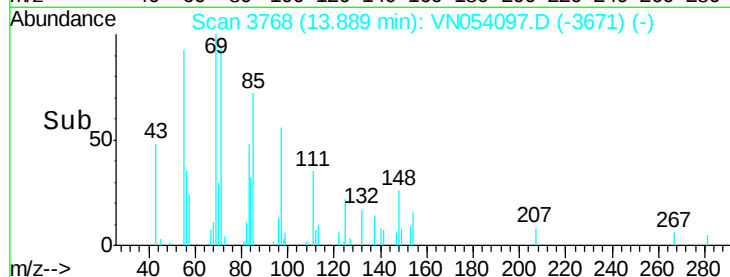
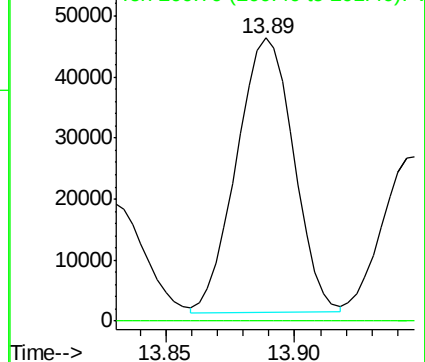
117 100

201 0.0 48.0 144.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.938 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

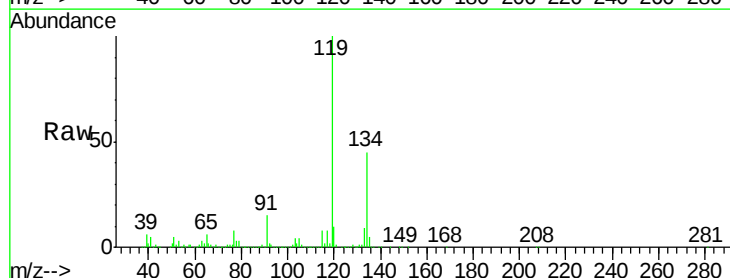
Tgt Ion: 75 Resp: 5012

Ion Ratio Lower Upper

75 100

155 0.0 49.5 148.5#

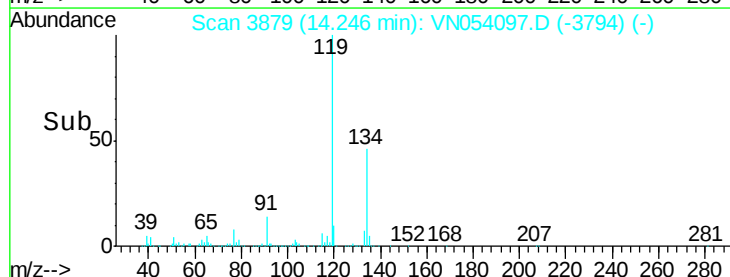
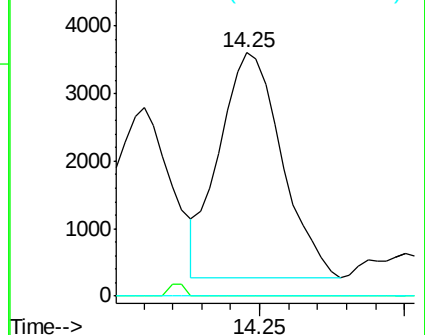
157 0.0 64.8 194.6#

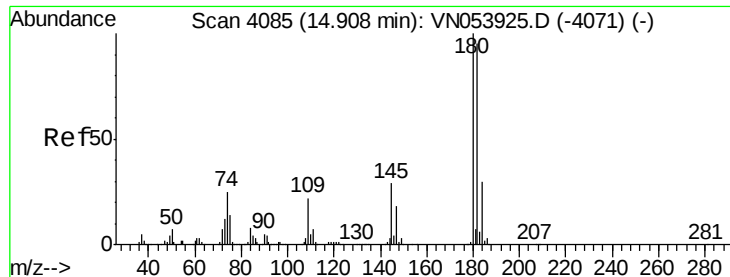


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.685 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

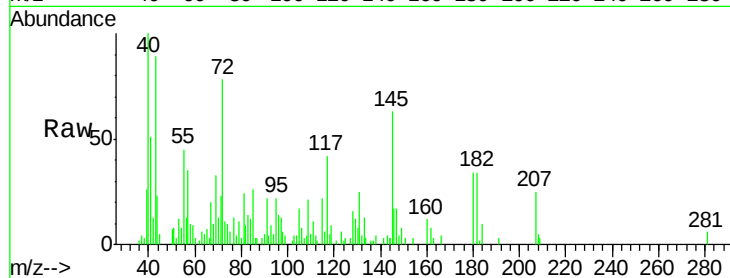
Tot Ion:180 Resp: 4113

Ion Ratio Lower Upper

180 100

182 100.4 48.6 145.9

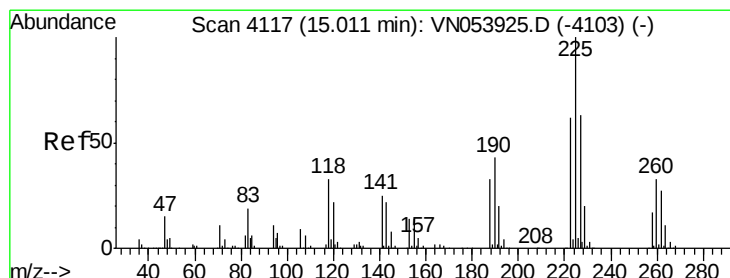
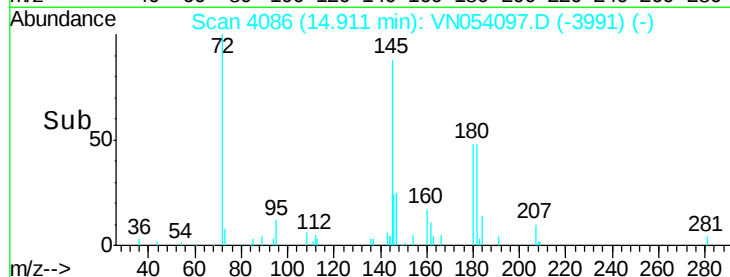
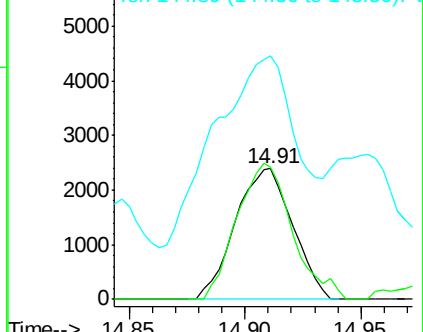
145 210.0 13.8 41.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.217 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

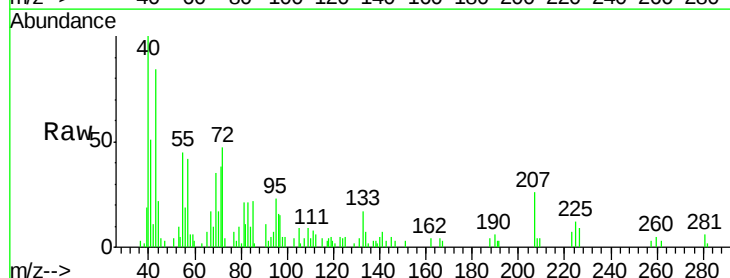
Tgt Ion:225 Resp: 1201

Ion Ratio Lower Upper

225 100

223 57.9 30.9 92.5

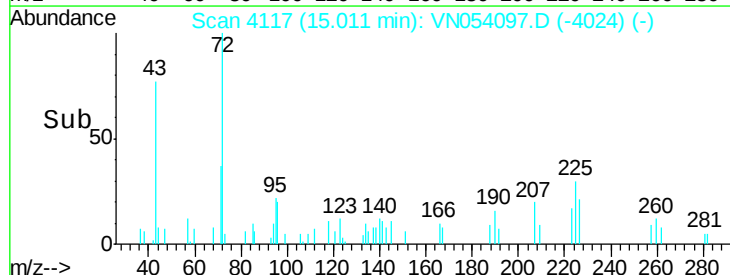
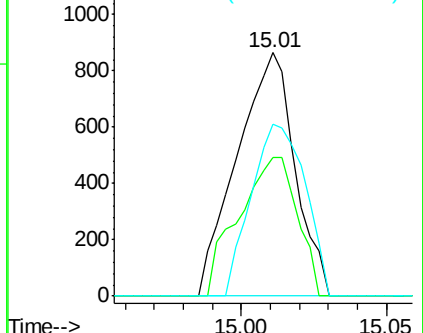
227 65.8 32.5 97.4

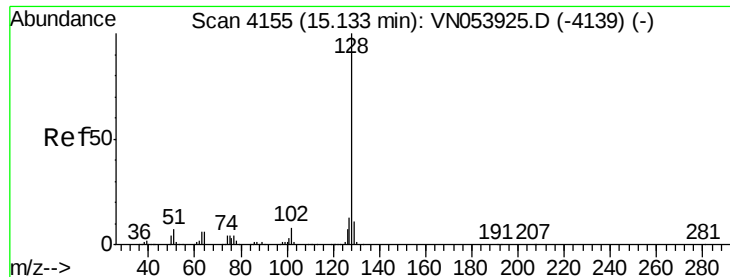


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.829 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

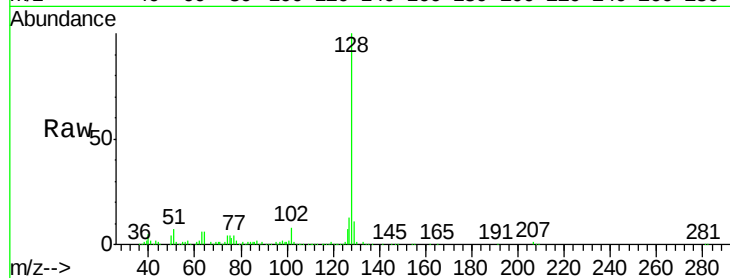
Tot Ion:128 Resp: 266557

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

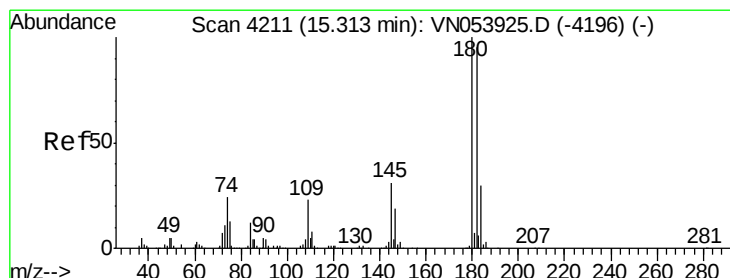
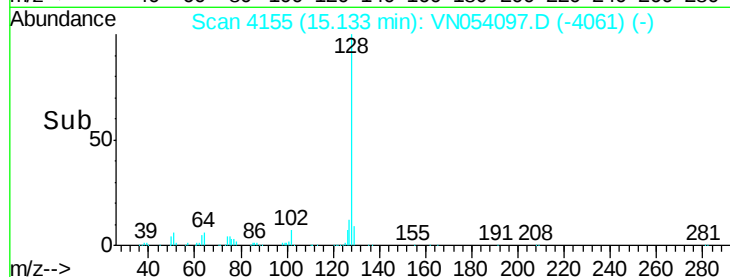
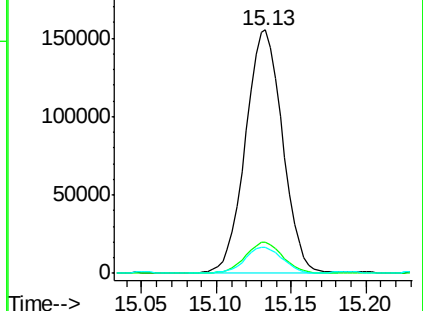
129 10.5 8.6 12.8



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: 2.260 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

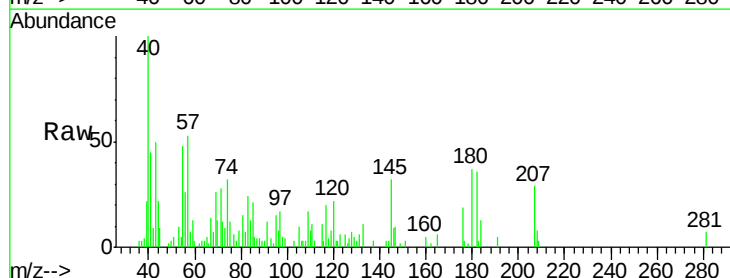
Tgt Ion:180 Resp: 5913

Ion Ratio Lower Upper

180 100

182 84.2 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

