

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054266.D
 Acq On : 14 Mar 2019 17:09
 Operator : JC/SP
 Sample : K1899-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

Quant Time: Mar 15 06:54:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1458797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2359925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2597271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1512894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	730823	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	719346	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.09	98	2965082	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	1265270	64.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.66%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.94	142	4651	1.705	ug/l	95
11) Tert butyl alcohol	4.82	59	4209	3.963	ug/l #	85
13) Acrolein	3.62	56	416	0.413	ug/l #	23
16) Acetone	3.82	43	27719	6.249	ug/l	91
17) Carbon Disulfide	4.05	76	10347	0.272	ug/l	98
20) Methylene Chloride	4.55	84	4371	0.300	ug/l	89
25) 2-Butanone	6.85	43	5958	1.144	ug/l #	67
29) Tetrahydrofuran	7.22	42	17490	5.225	ug/l	97
30) Chloroform	7.37	83	27990	1.076	ug/l	93
31) Cyclohexane	7.66	56	22631	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	85310	3.925	ug/l #	48
38) Carbon Tetrachloride	7.66	117	117901	5.173	ug/l #	15
39) Methylcyclohexane	9.08	83	10302	0.385	ug/l	95
40) Benzene	8.04	78	599733	9.643	ug/l	99
42) 1,2-Dichloroethane	8.13	62	5112	0.243	ug/l	96
43) Isopropyl Acetate	8.29	43	30619	1.397	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	19156	1.651	ug/l	98
52) Toluene	10.16	92	321915	8.164	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	421	2.003	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.68	63	233	16.857	ug/l #	44
59) 2-Hexanone	10.61	43	12211	1.582	ug/l	66
67) Ethyl Benzene	11.51	91	2876996	30.433	ug/l	100
68) m/p-Xylenes	11.62	106	1468695	39.749	ug/l	99
69) o-Xylene	11.95	106	1105530	30.693	ug/l	99
70) Styrene	11.95	104	67337	1.192	ug/l #	1
71) Bromoform	12.13	173	756	2.396	ug/l #	28
73) Isopropylbenzene	12.25	105	1302157	10.758	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	46013	2.068	ug/l #	100
77) Bromobenzene	12.56	156	3565256	111.312	ug/l #	1
78) n-propylbenzene	12.59	91	661111	5.034	ug/l	99
79) 2-Chlorotoluene	12.69	91	224030	2.837	ug/l #	61
80) 1,3,5-Trimethylbenzene	12.73	105	4142005	41.140	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	588518	90.428	ug/l #	11
82) 4-Chlorotoluene	12.73	91	411982	5.225	ug/l #	39

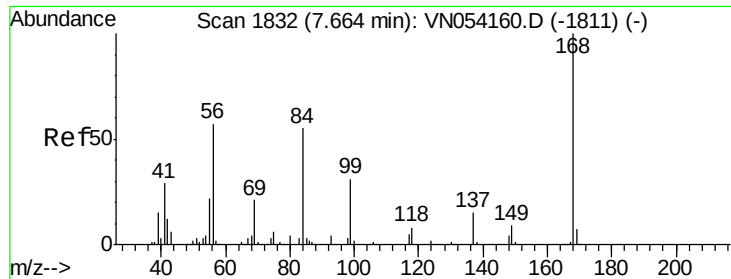
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	1434434	15.479	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	11280791	114.210	ug/l	99
85) sec-Butylbenzene	13.04	105	11280791	93.865	ug/l #	55
86) p-Isopropyltoluene	13.29	119	3078676	29.200	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	37518	0.708	ug/l #	62
89) n-Butylbenzene	13.54	91	7101602	88.648	ug/l #	42
90) Hexachloroethane	13.89	117	308518	17.672	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	13753	0.261	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.27	75	224855	56.346	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	4004	2.636	ug/l #	55

(#) = 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: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

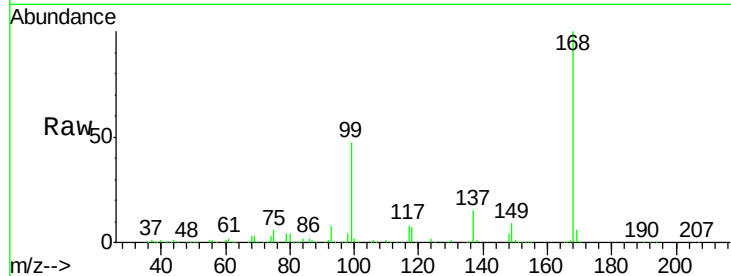
MW-4A

Tot Ion:168 Resp: 1458797

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

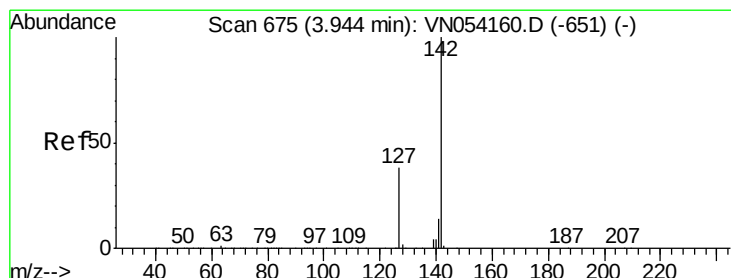
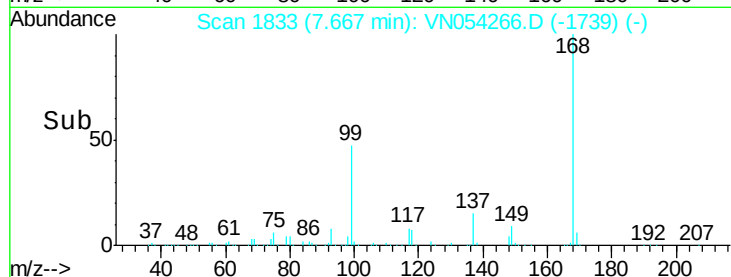
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.705 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

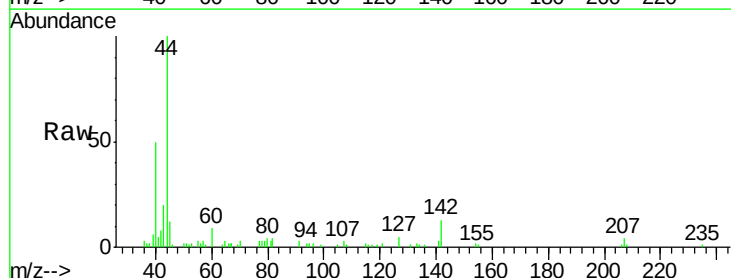
Tgt Ion:142 Resp: 4651

Ion Ratio Lower Upper

142 100

127 34.8 30.3 45.5

141 11.5 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

2500

2000

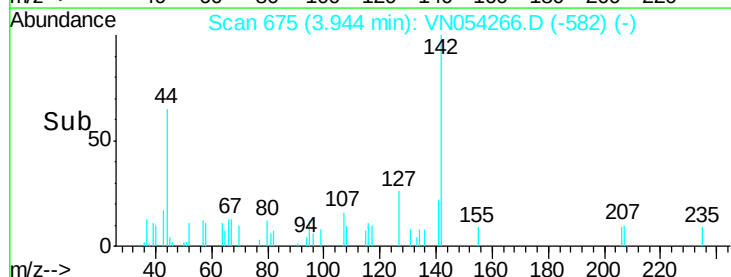
1500

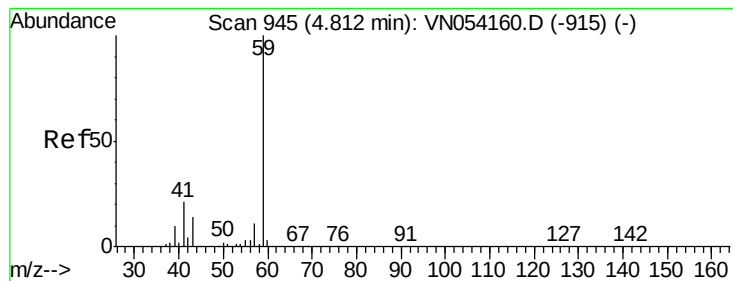
1000

500

0

Time--> 3.85 3.90 3.95 4.00



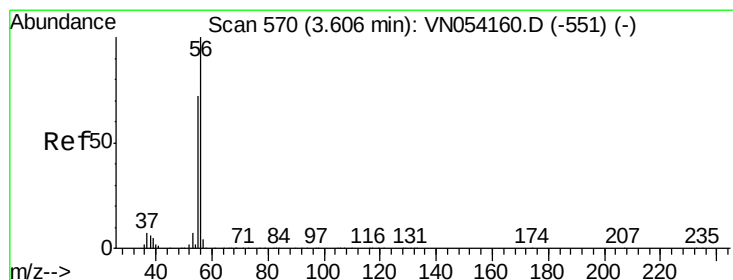
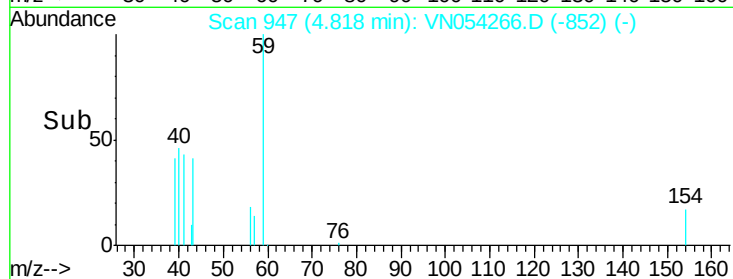
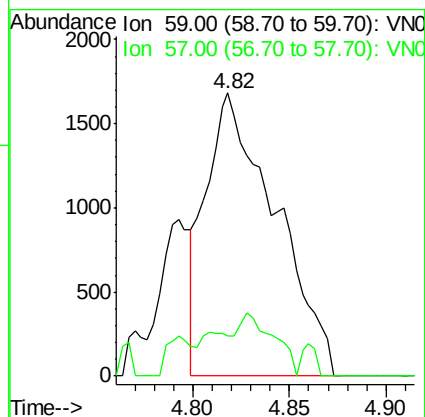
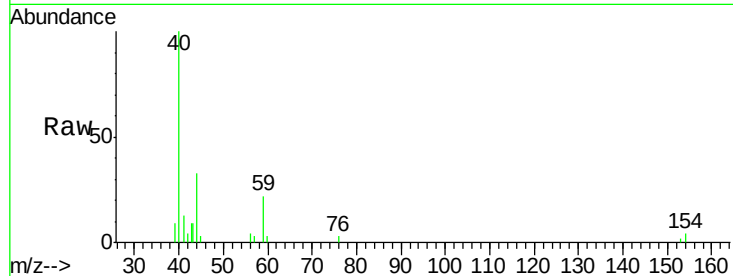


#11

Tert butyl alcohol
 Concen: 3.963 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4A

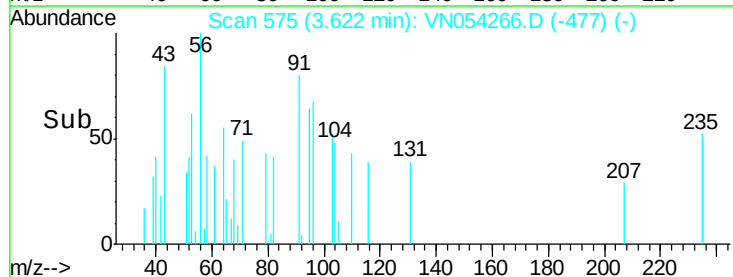
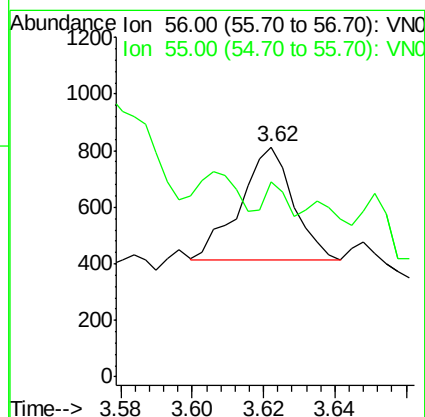
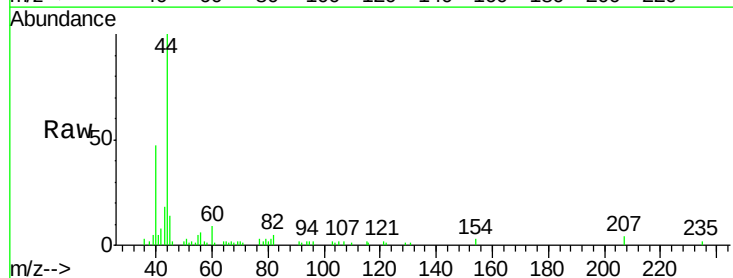
Tot Ion: 59 Resp: 4209
 Ion Ratio Lower Upper
 59 100
 57 5.7 9.0 13.6#

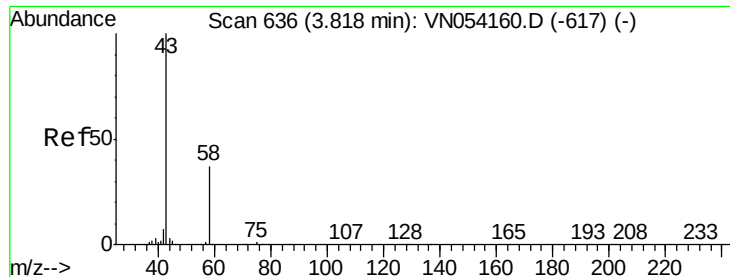


#13

Acrolein
 Concen: 0.413 ug/l
 RT: 3.62 min Scan# 575
 Delta R.T. 0.02 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Tgt Ion: 56 Resp: 416
 Ion Ratio Lower Upper
 56 100
 55 7.0 56.7 85.1#





#16

Acetone

Concen: 6.249 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

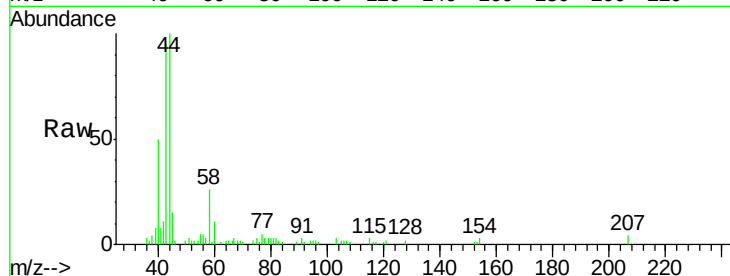
MW-4A

Tot Ion: 43 Resp: 27719

Ion Ratio Lower Upper

43 100

58 31.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

10000

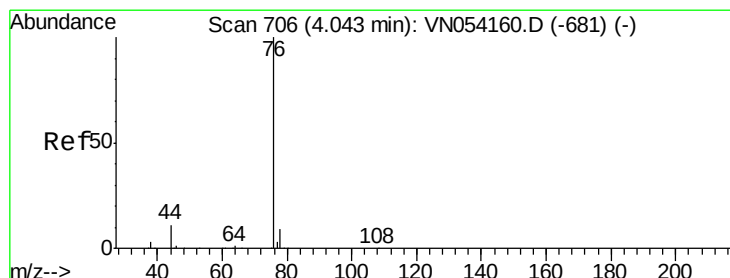
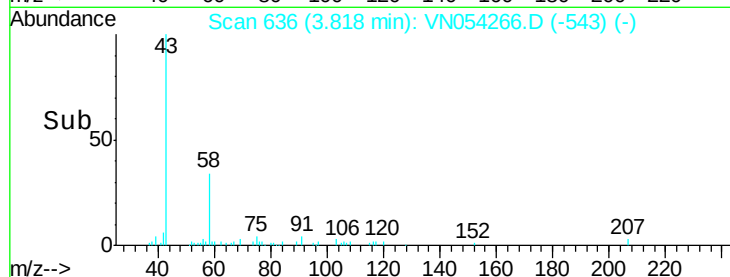
5000

0

Time-->

3.75 3.80 3.85 3.90

3.82



#17

Carbon Disulfide

Concen: 0.272 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN054266.D

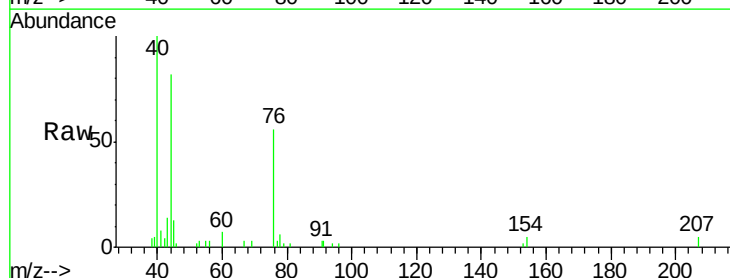
Acq: 14 Mar 2019 17:09

Tgt Ion: 76 Resp: 10347

Ion Ratio Lower Upper

76 100

78 10.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4000

3000

2000

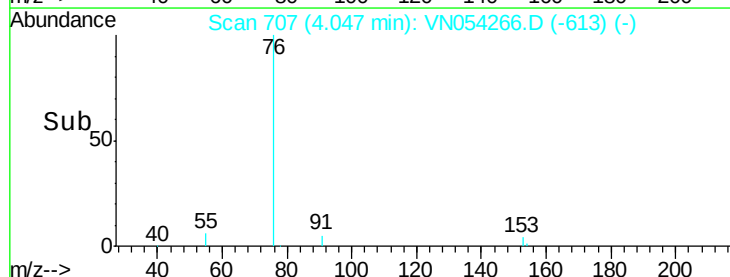
1000

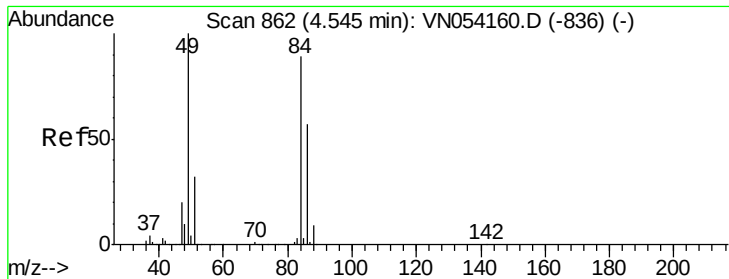
0

Time-->

4.00 4.05 4.10

4.05

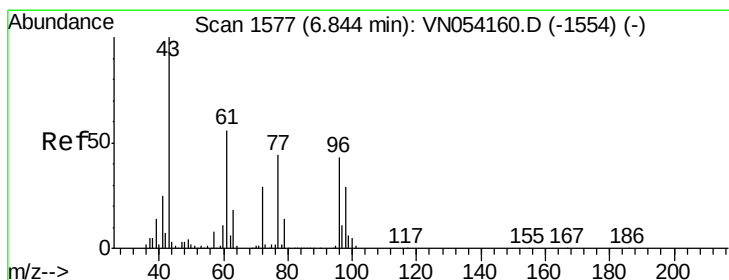
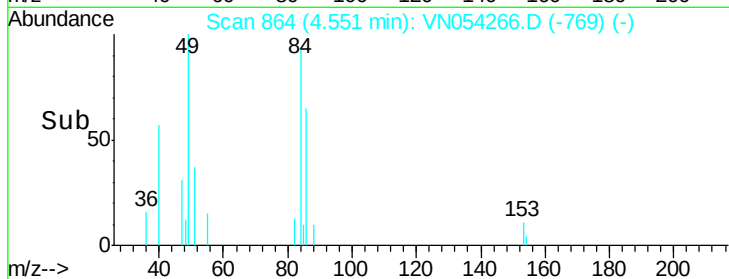
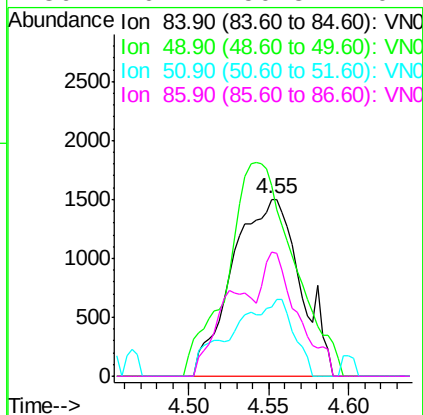
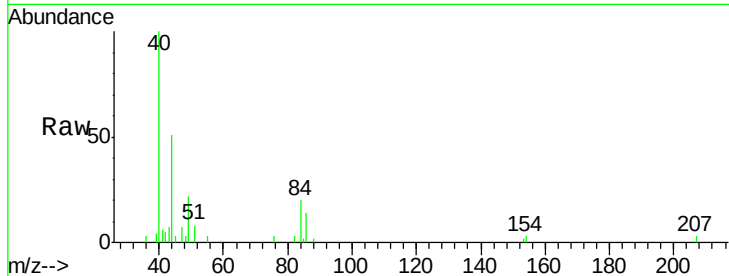




#20
Methvlene Chloride
Concen: 0.300 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

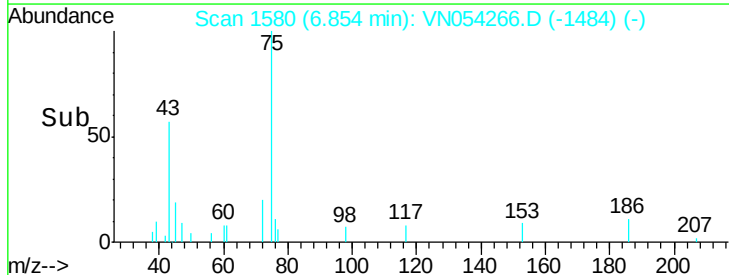
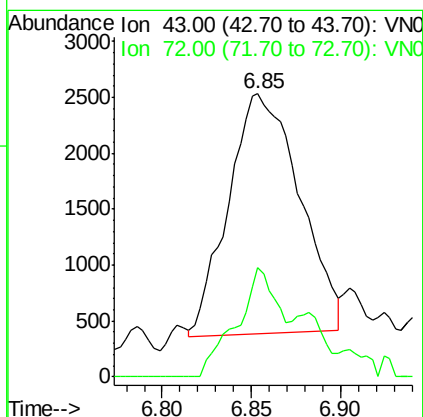
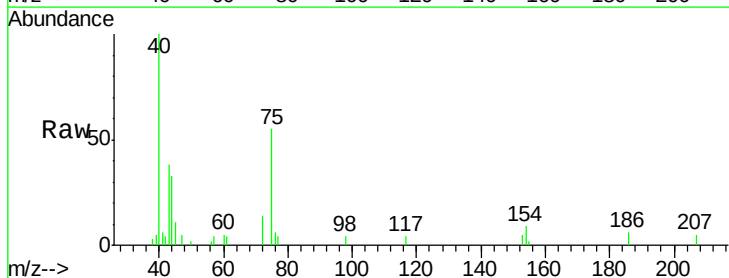
Instrument :
MSVOA_N
ClientSampleId :
MW-4A

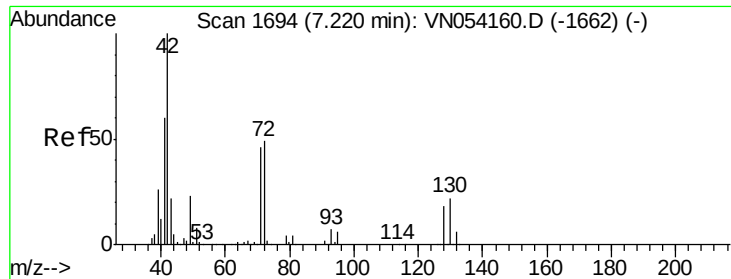
Tot Ion: 84	Resp: 4371
Ion Ratio	Lower Upper
84 100	
49 97.9	89.7 134.5
51 39.5	28.2 42.4
86 70.1	50.8 76.2



#25
2-Butanone
Concen: 1.144 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 43	Resp: 5958
Ion Ratio	Lower Upper
43 100	
72 46.3	23.0 34.6#

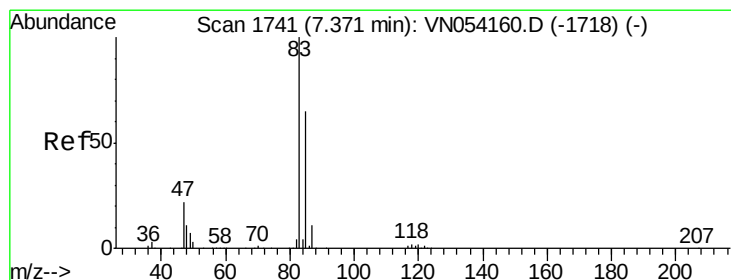
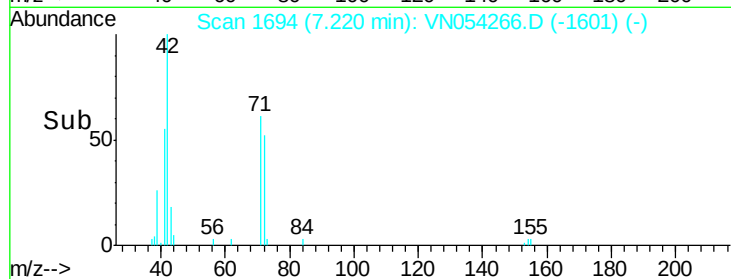
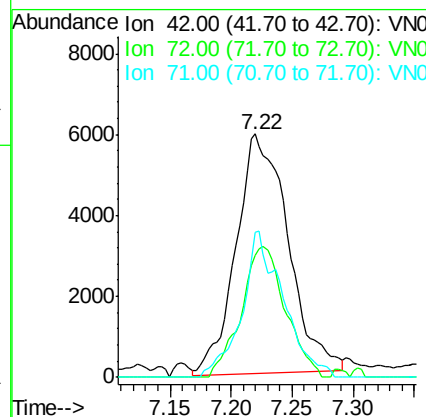
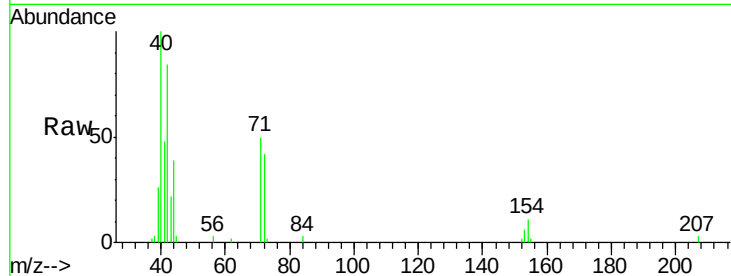




#29
Tetrahydrofuran
Concen: 5.225 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

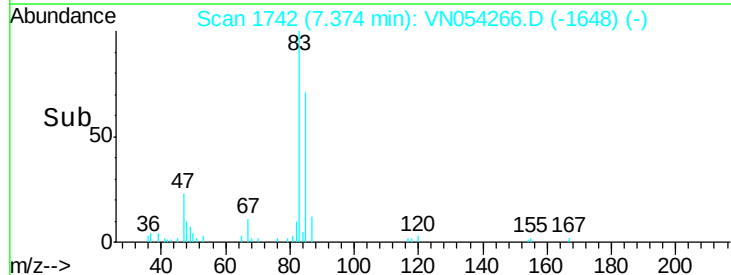
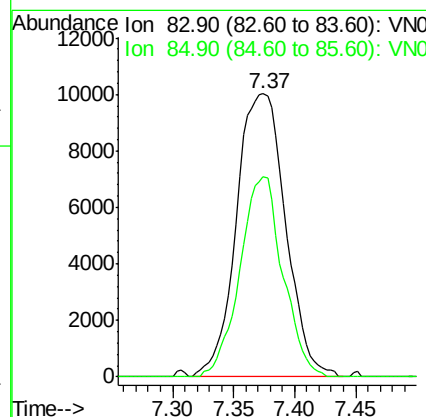
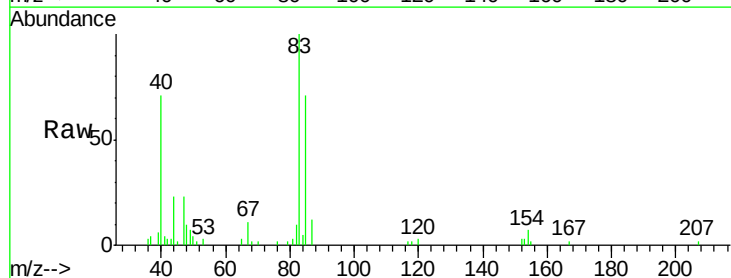
Instrument :
MSVOA_N
ClientSampled :
MW-4A

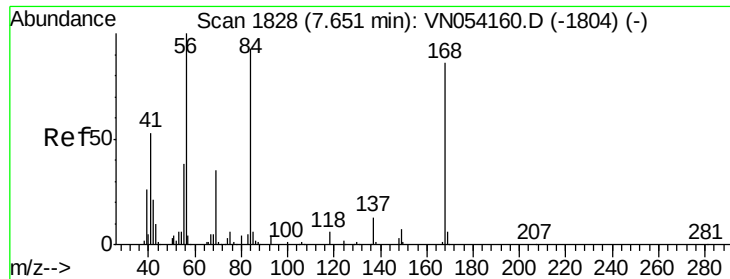
Tot Ion: 42 Resp: 17490
Ion Ratio Lower Upper
42 100
72 46.4 37.8 56.6
71 48.4 36.2 54.2



#30
Chloroform
Concen: 1.076 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 83 Resp: 27990
Ion Ratio Lower Upper
83 100
85 70.9 52.2 78.4

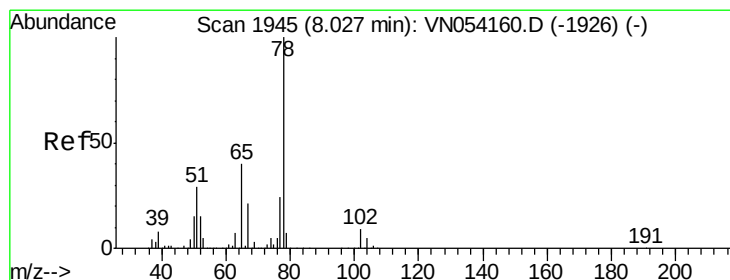
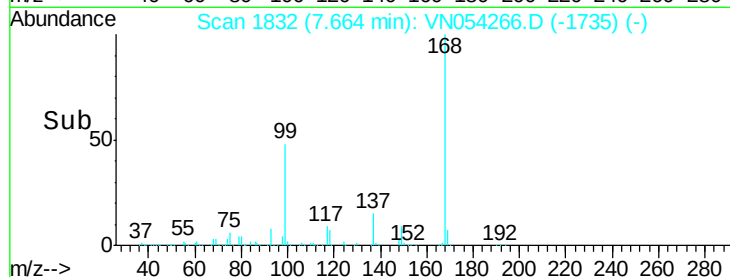
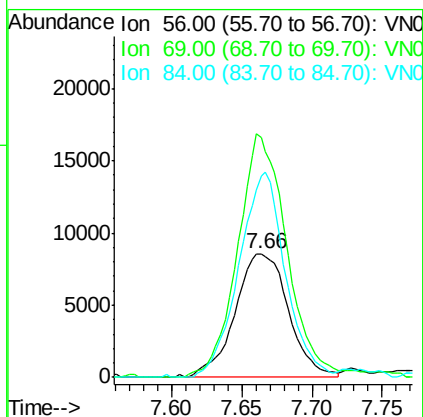
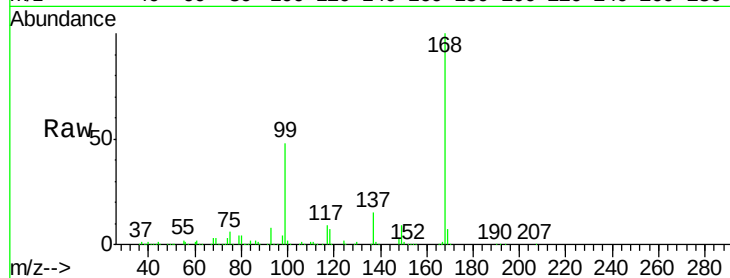




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

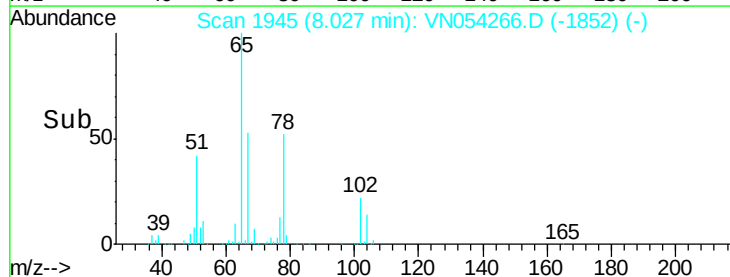
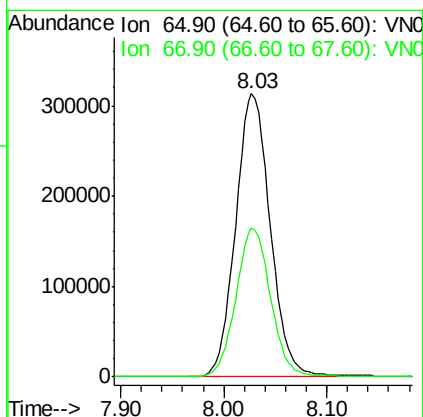
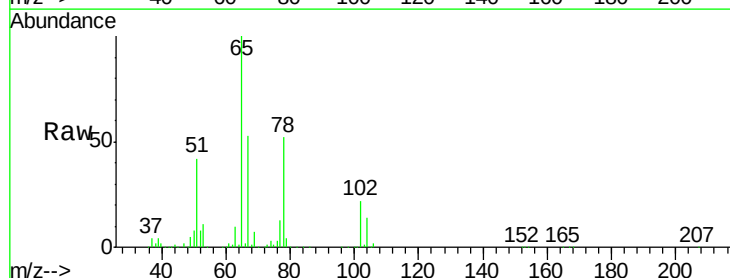
Instrument :
MSVOA_N
ClientSampled :
MW-4A

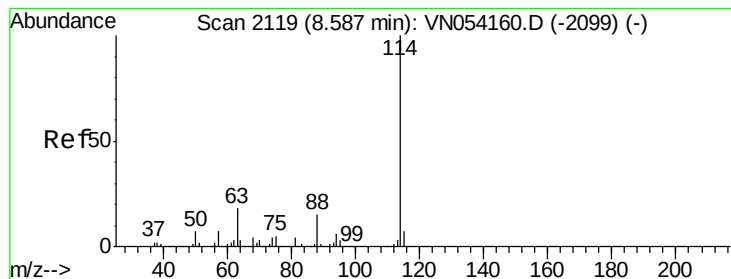
Tot Ion: 56 Resp: 22631
Ion Ratio Lower Upper
56 100
69 191.9 27.8 41.6#
84 163.6 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 47.173 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 65 Resp: 730823
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

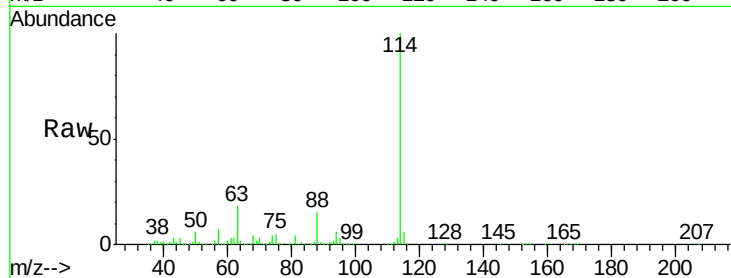
Tot Ion:114 Resp: 2359925

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

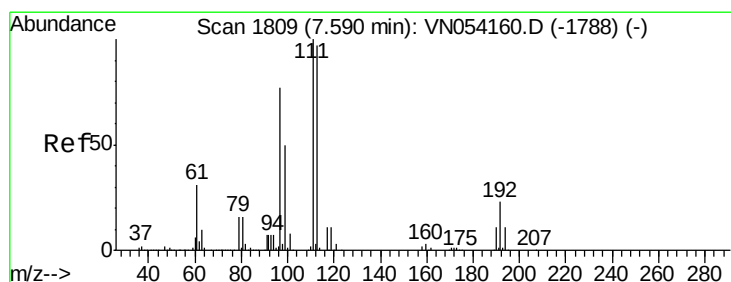
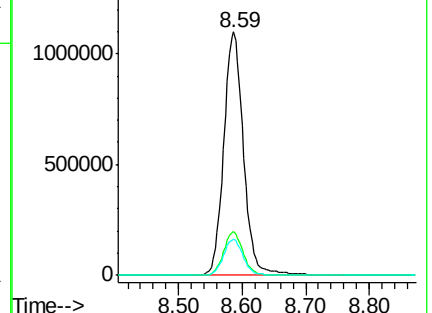
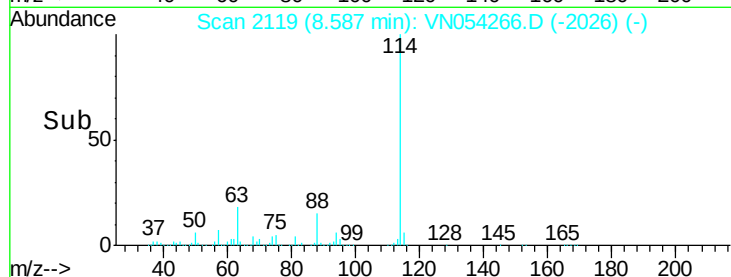
88 14.8 0.0 30.2



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: 47.262 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

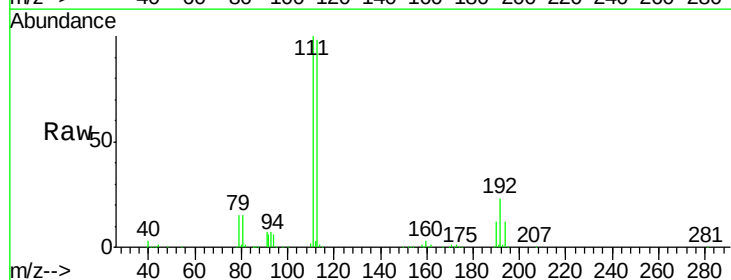
Tgt Ion:113 Resp: 719346

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

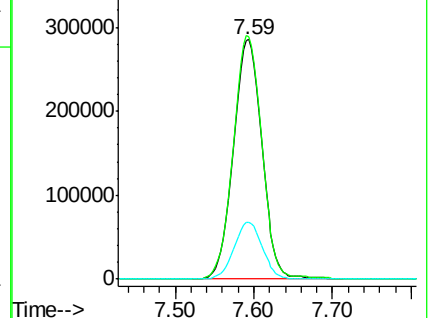
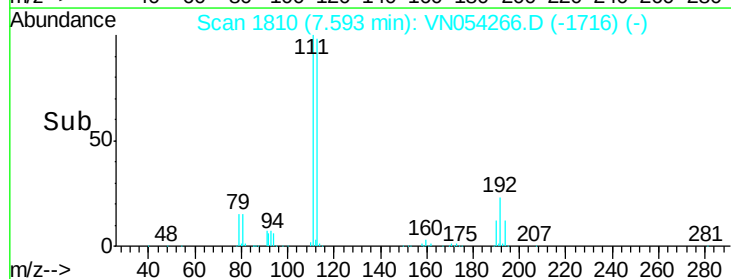
192 23.7 19.2 28.8

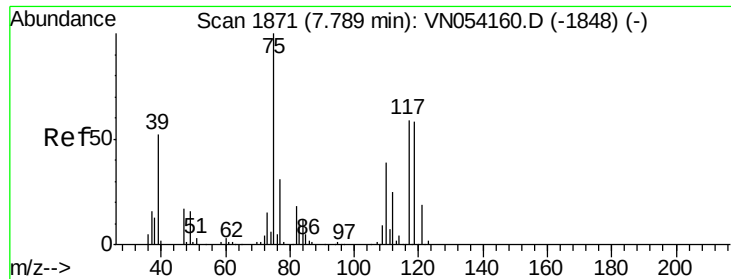


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

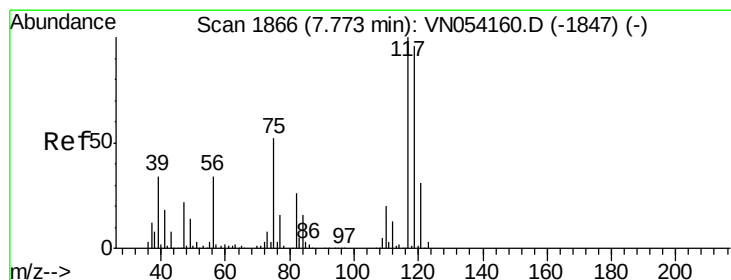
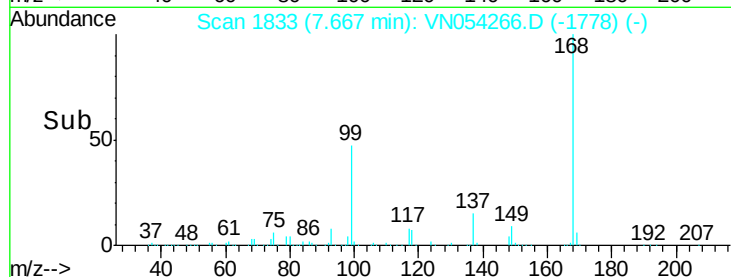
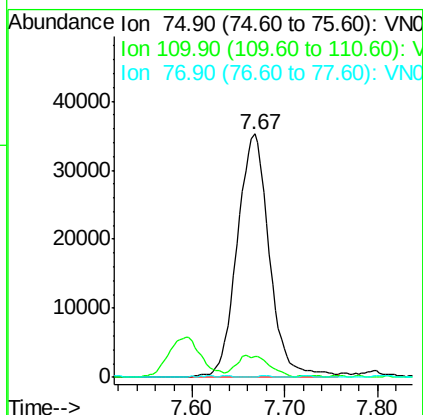
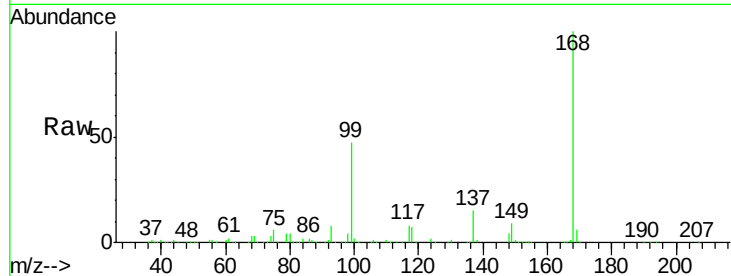




#36
 1,1-Dichloropropene
 Concen: 3.925 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

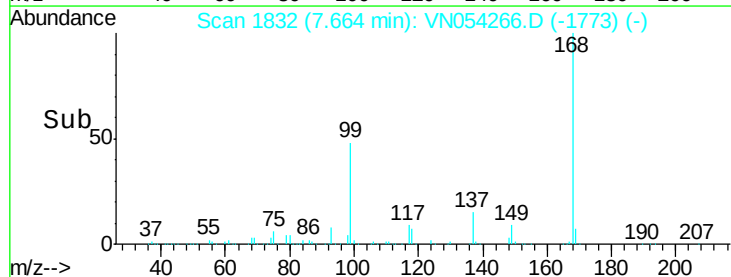
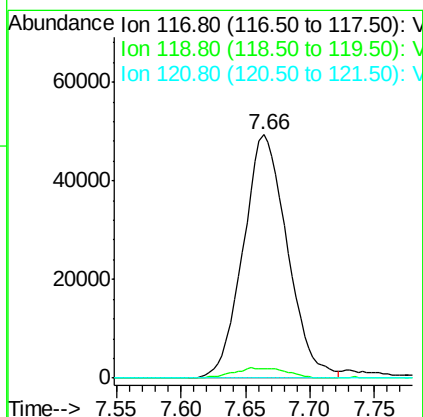
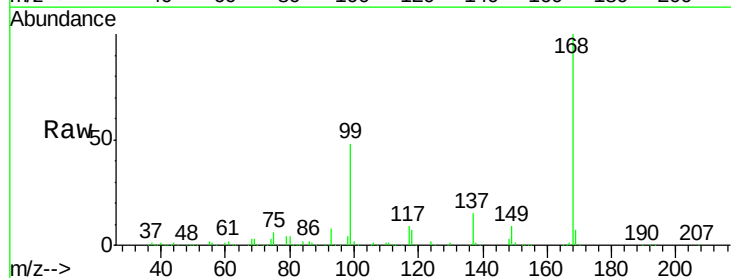
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

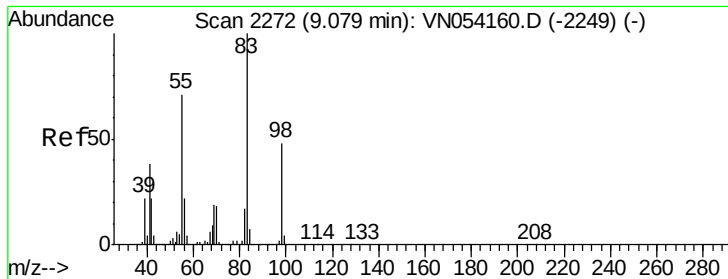
Tot Ion: 75 Resp: 85310
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.173 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Tgt Ion: 117 Resp: 117901
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.3 114.5#
 121 0.0 24.6 36.8#

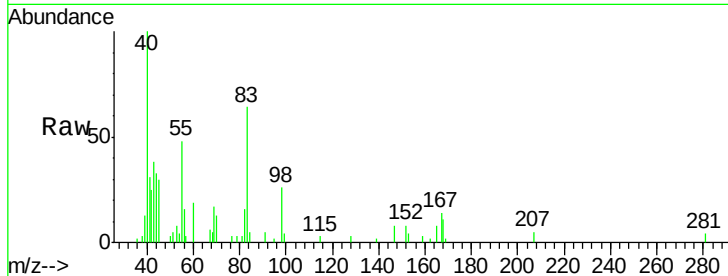




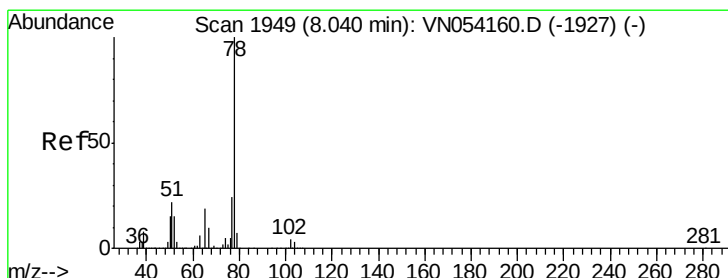
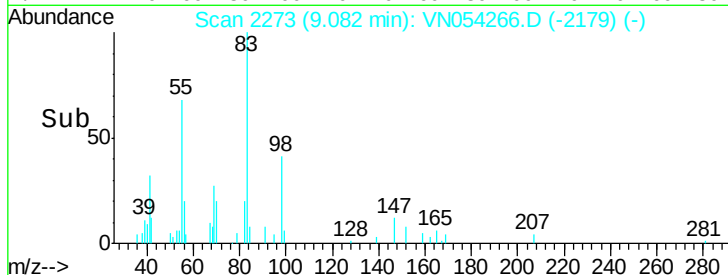
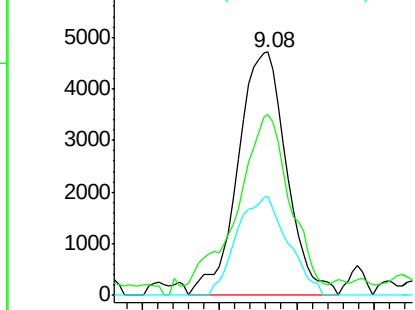
#39
Methylvlcyclohexane
Concen: 0.385 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tot Ion: 83 Resp: 10302
Ion Ratio Lower Upper
83 100
55 69.3 56.6 84.8
98 40.8 38.4 57.6

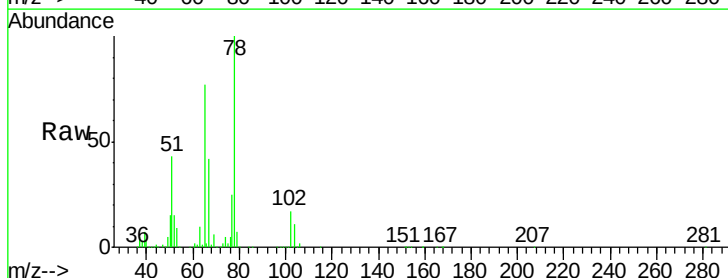


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

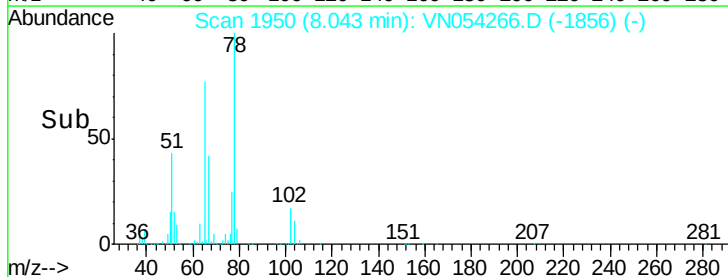
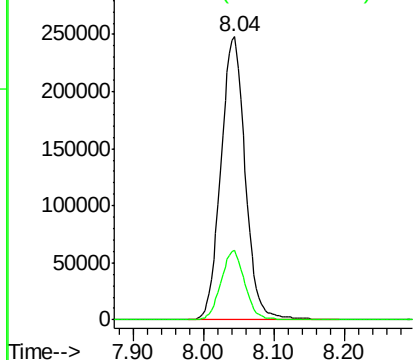


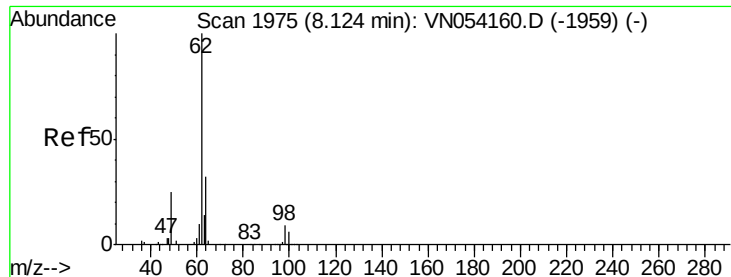
#40
Benzene
Concen: 9.643 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 78 Resp: 599733
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7



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

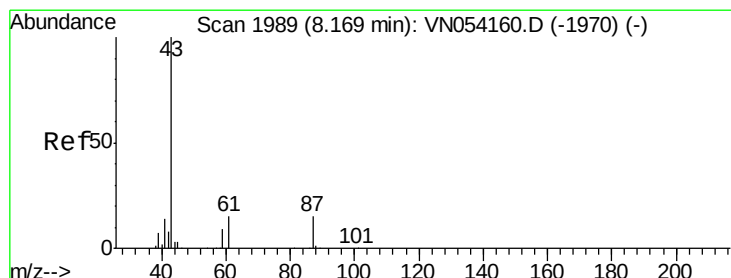
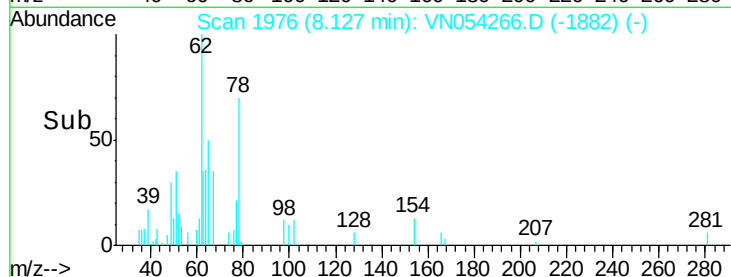
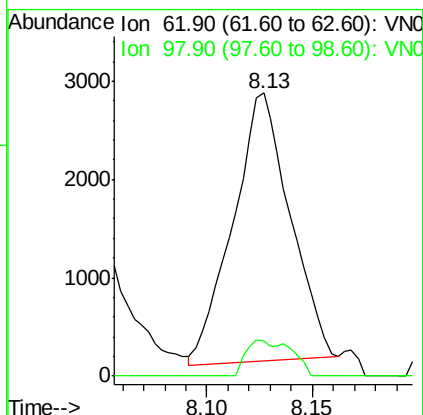
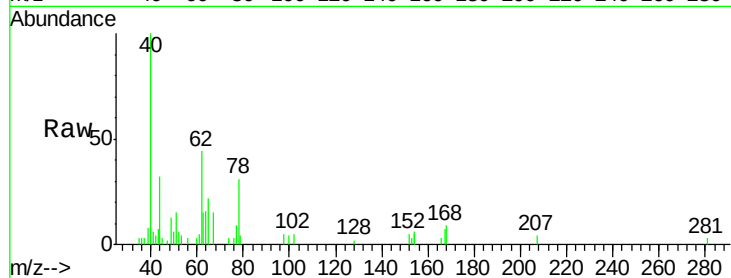




#42
 1,2-Dichloroethane
 Concen: 0.243 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

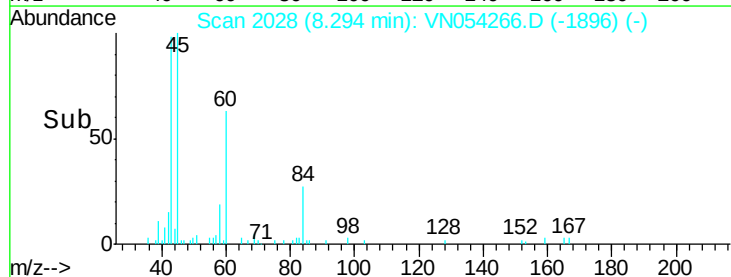
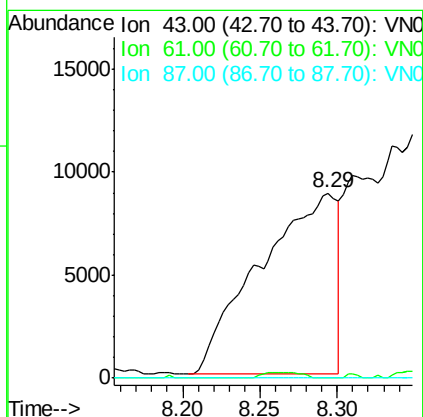
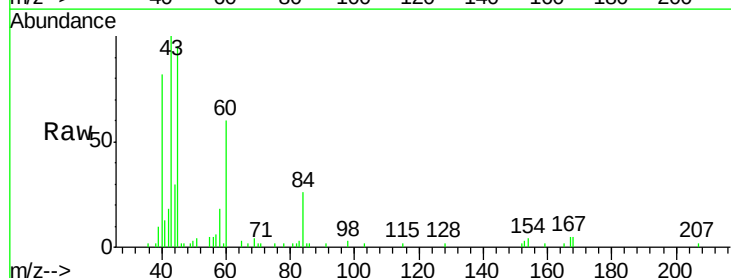
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

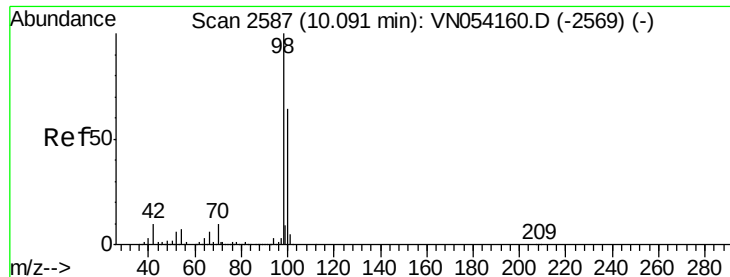
Tot Ion: 62 Resp: 5112
 Ion Ratio Lower Upper
 62 100
 98 10.7 0.0 18.4



#43
 Isopropyl Acetate
 Concen: 1.397 ug/l
 RT: 8.29 min Scan# 2028
 Delta R.T. 0.13 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Tgt Ion: 43 Resp: 30619
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.8#
 87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 52.749 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

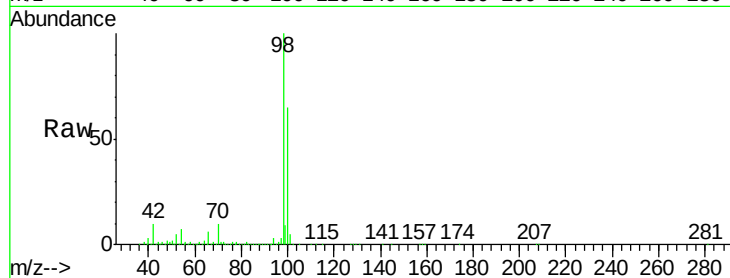
MW-4A

Tot Ion: 98 Resp: 2965082

Ion Ratio Lower Upper

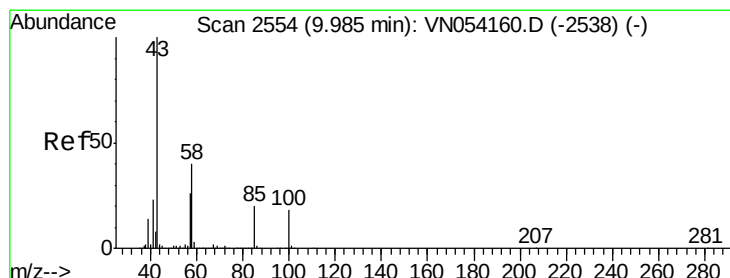
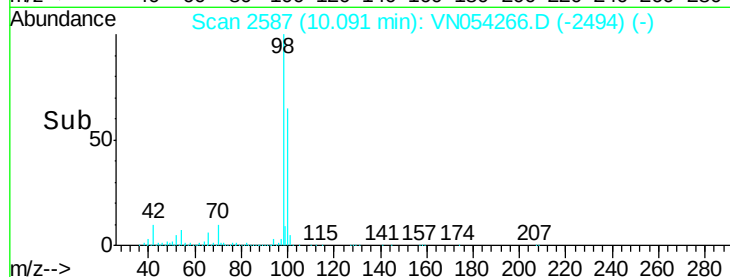
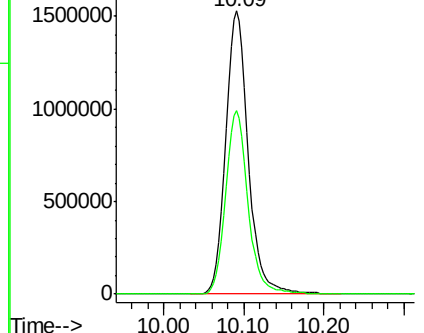
98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.651 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054266.D

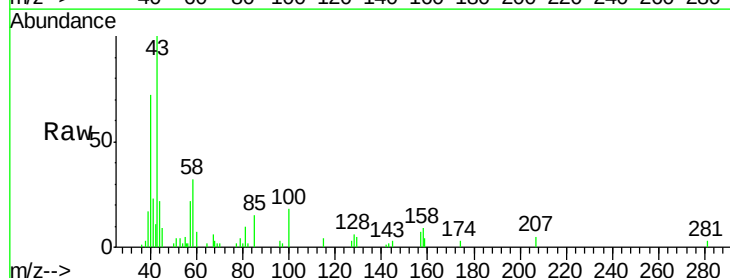
Acq: 14 Mar 2019 17:09

Tgt Ion: 43 Resp: 19156

Ion Ratio Lower Upper

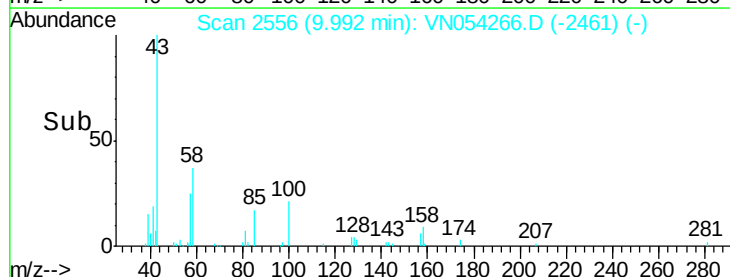
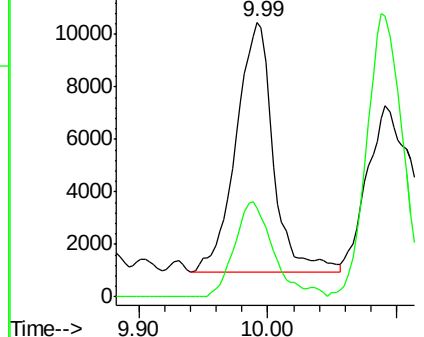
43 100

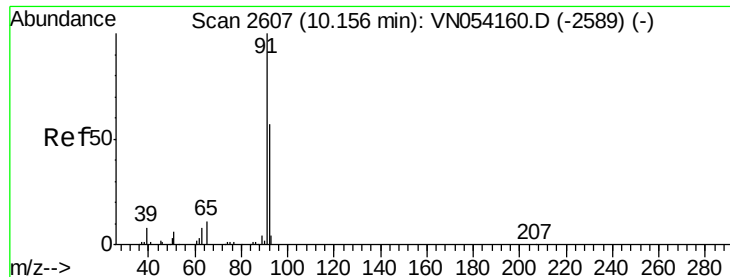
58 38.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)





#52

Toluene

Concen: 8.164 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

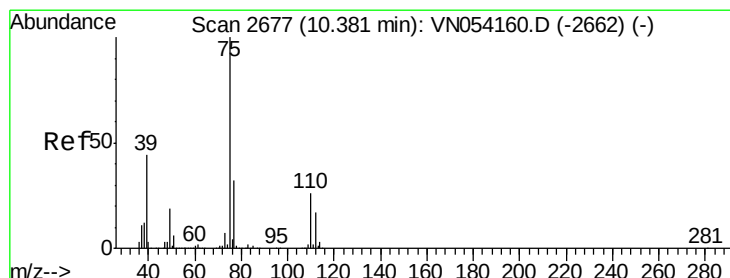
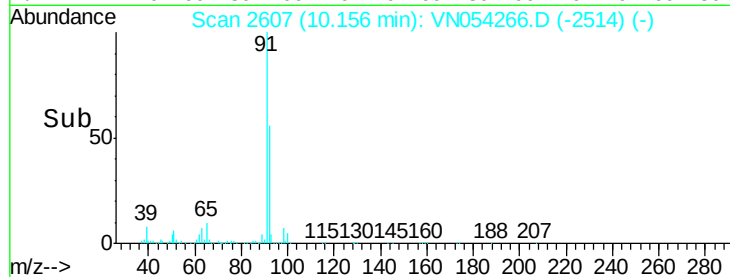
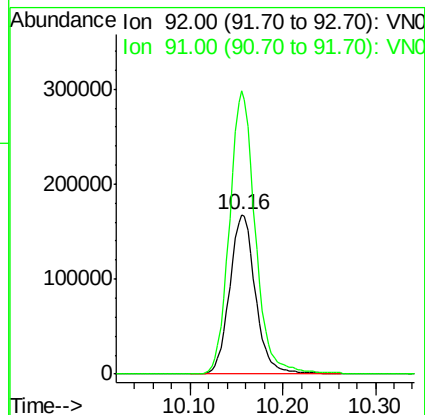
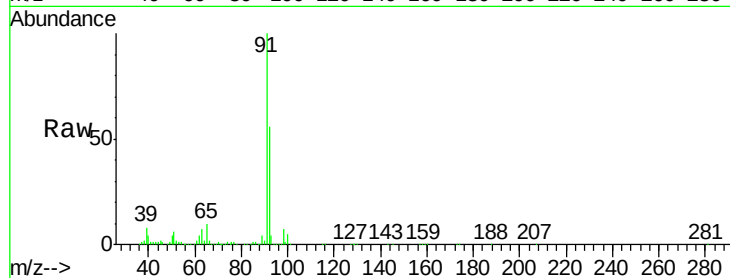
MW-4A

Tot Ion: 92 Resp: 321915

Ion Ratio Lower Upper

92 100

91 177.7 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.003 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054266.D

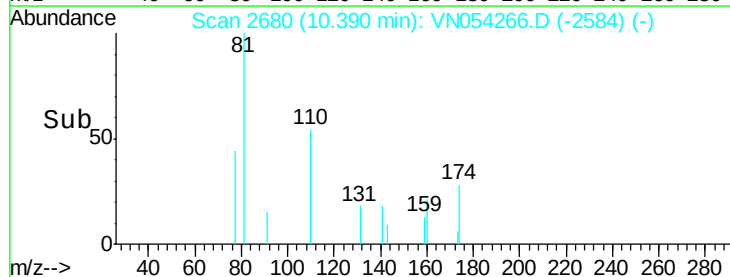
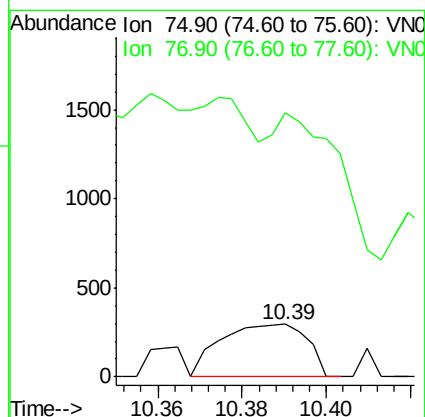
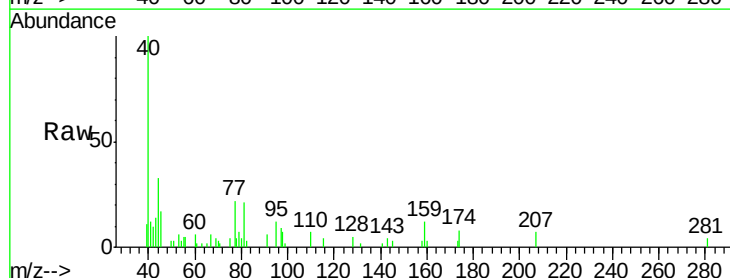
Acq: 14 Mar 2019 17:09

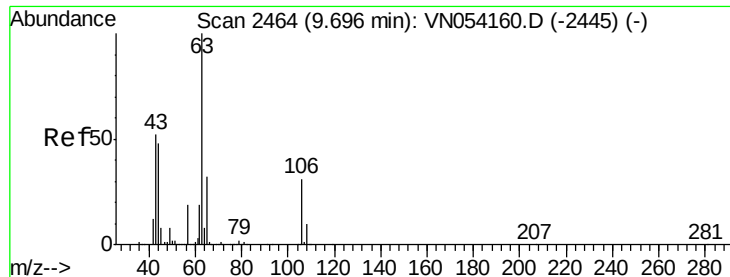
Tgt Ion: 75 Resp: 421

Ion Ratio Lower Upper

75 100

77 77.4 25.8 38.8#

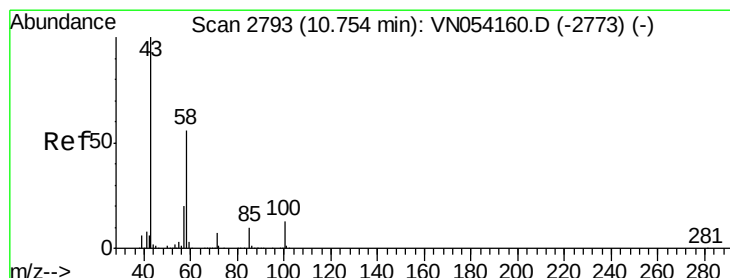
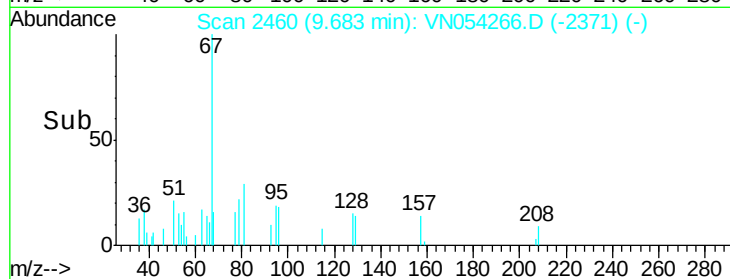
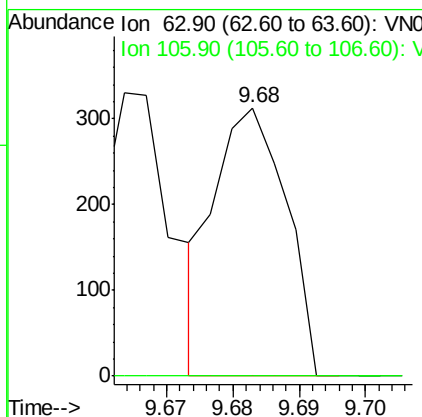
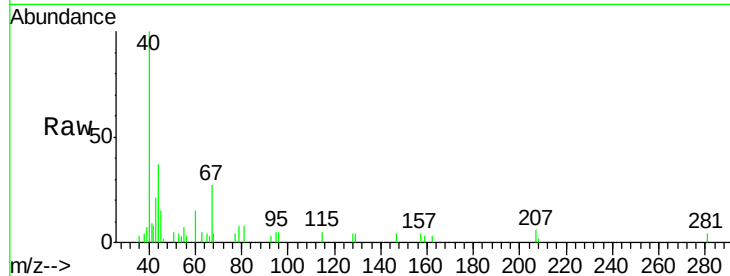




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.857 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

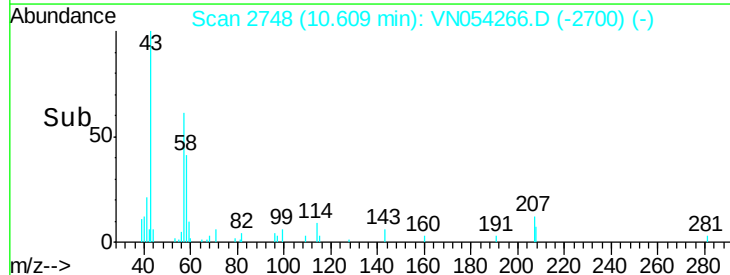
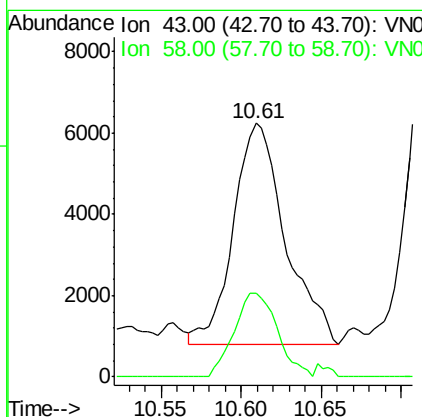
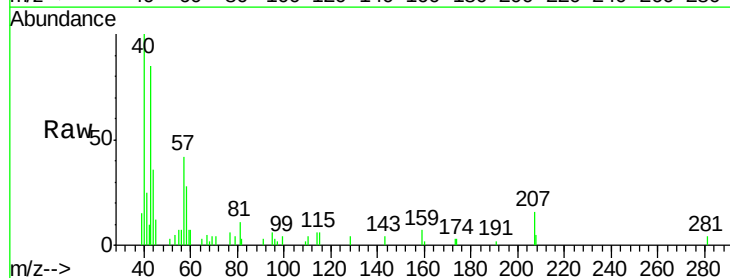
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

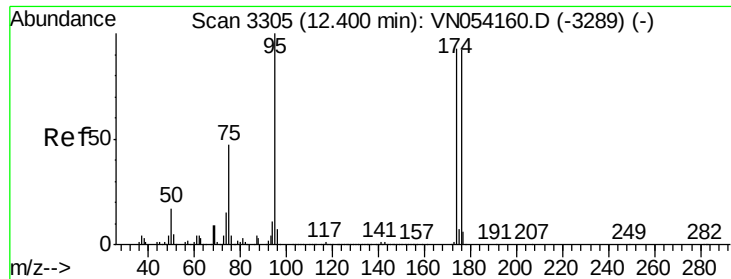
Tot Ion: 63 Resp: 233
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#59
 2-Hexanone
 Concen: 1.582 ug/l
 RT: 10.61 min Scan# 2748
 Delta R.T. -0.14 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Tgt Ion: 43 Resp: 12211
 Ion Ratio Lower Upper
 43 100
 58 30.9 28.0 83.9





#62

4-Bromofluorobenzene

Concen: 64.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

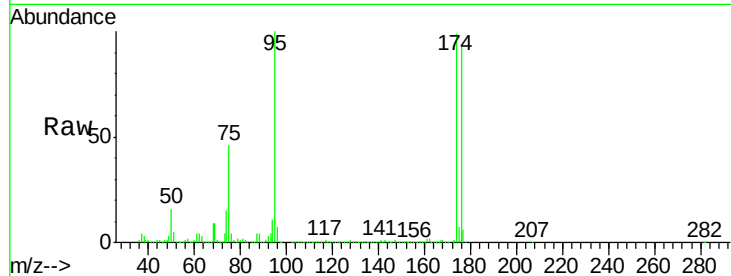
Tot Ion: 95 Resp: 1265270

Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

176 93.6 0.0 187.4

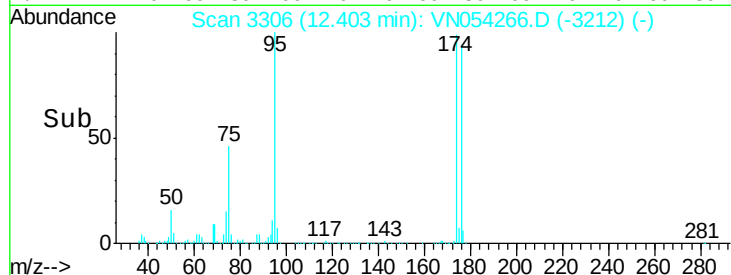


Abundance Ion 94.90 (94.60 to 95.60): VN054266.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054266.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054266.D (-3289) (-)

Time-->



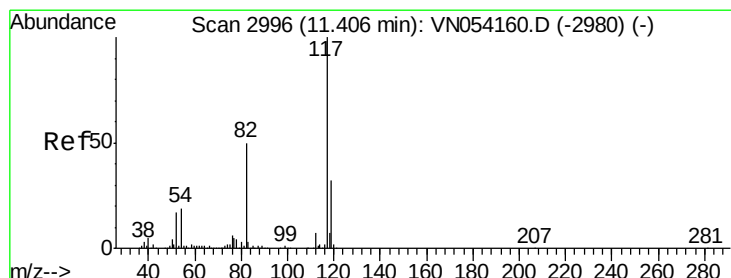
Abundance

Ion 94.90 (94.60 to 95.60): VN054266.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054266.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054266.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

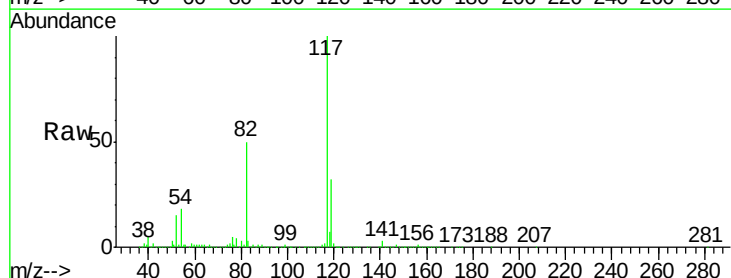
Tgt Ion: 117 Resp: 2597271

Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.1 25.8 38.6

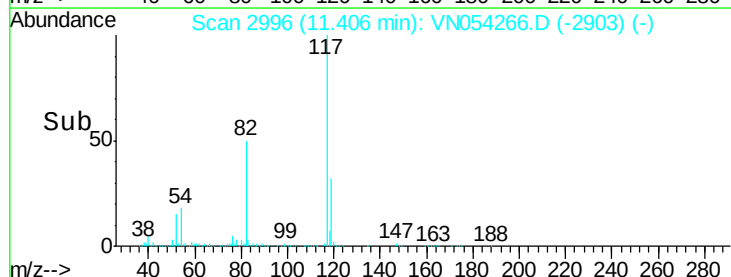


Abundance Ion 116.90 (116.60 to 117.60): VN054266.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054266.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054266.D (-2980) (-)

Time-->



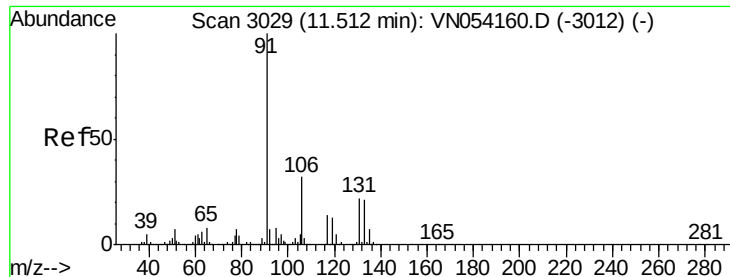
Abundance

Ion 116.90 (116.60 to 117.60): VN054266.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054266.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054266.D (-2903) (-)

Time-->



#67

Ethyl Benzene

Concen: 30.433 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

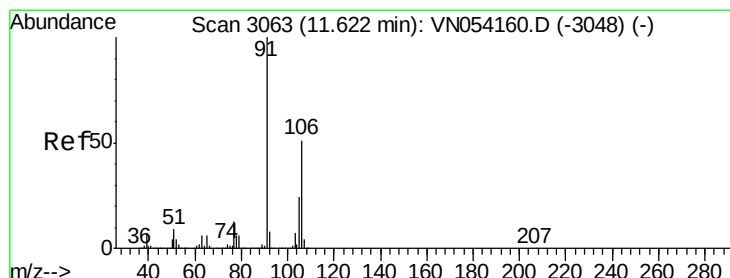
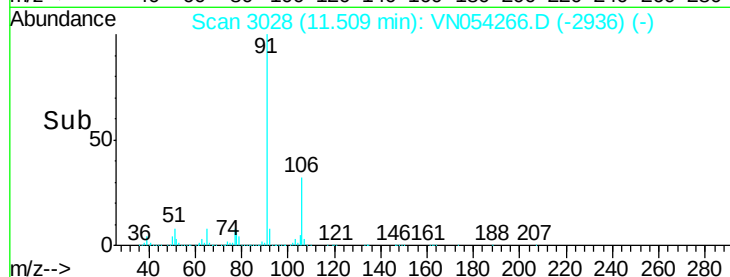
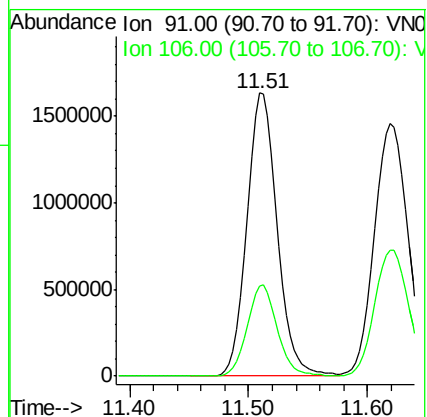
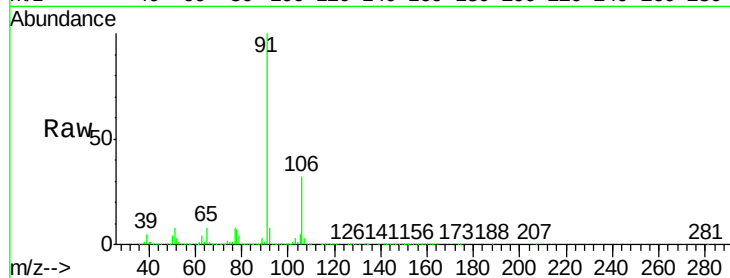
MW-4A

Tot Ion: 91 Resp: 2876996

Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3



#68

m/p-Xylenes

Concen: 39.749 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054266.D

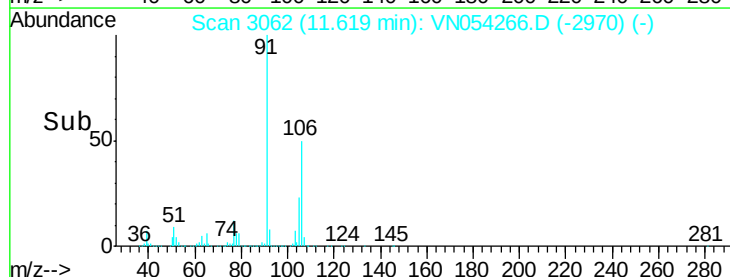
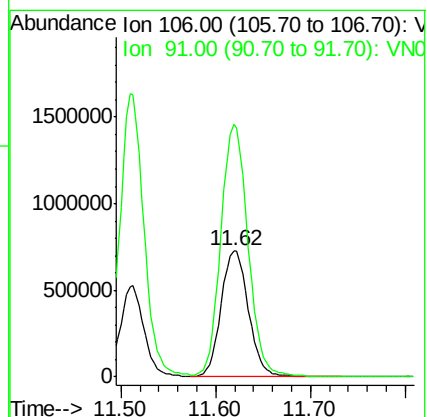
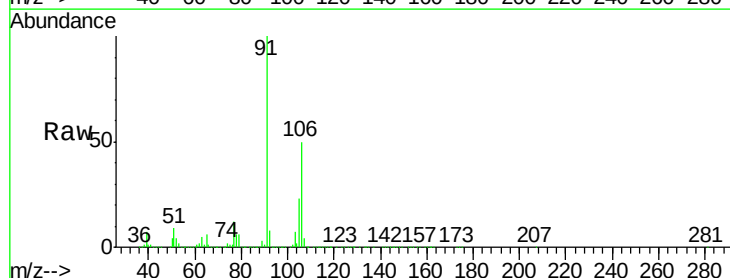
Acq: 14 Mar 2019 17:09

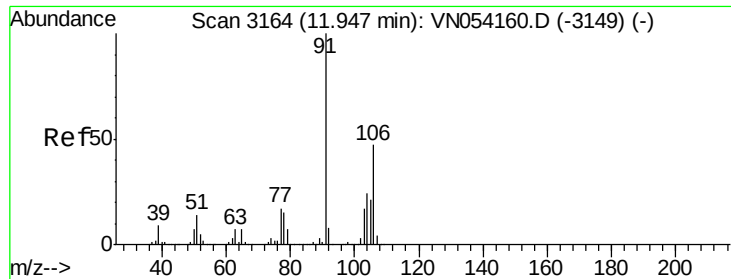
Tgt Ion: 106 Resp: 1468695

Ion Ratio Lower Upper

106 100

91 198.5 159.4 239.2





#69

o-Xylene

Concen: 30.693 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

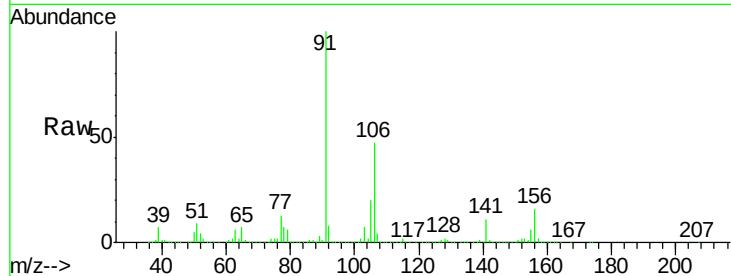
MW-4A

Tot Ion:106 Resp: 1105530

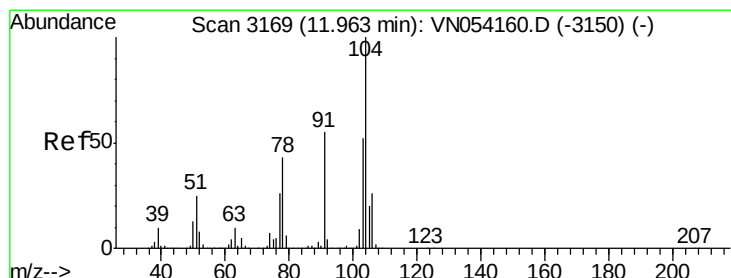
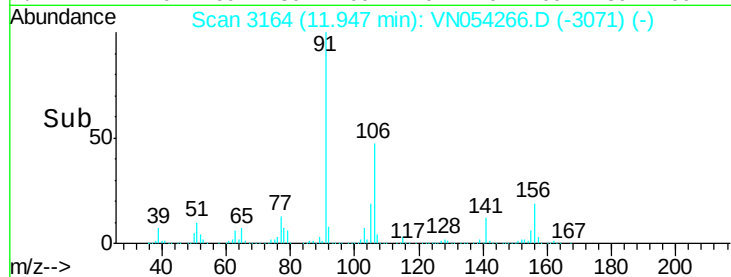
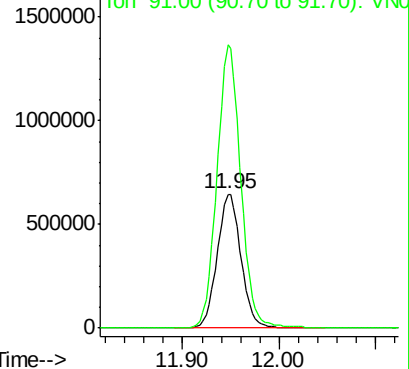
Ion Ratio Lower Upper

106 100

91 209.6 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 1.192 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

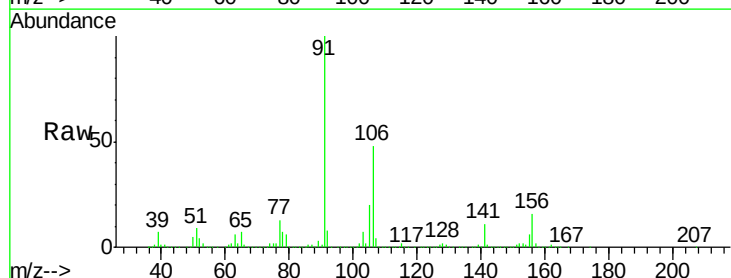
Tgt Ion:104 Resp: 67337

Ion Ratio Lower Upper

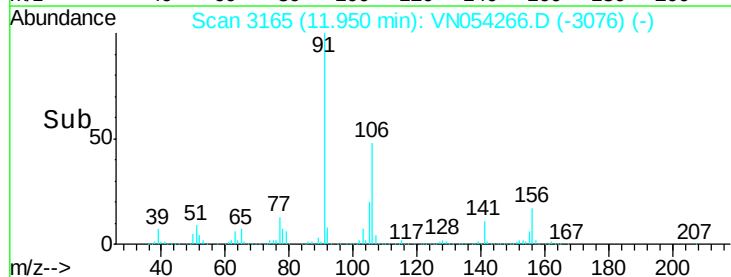
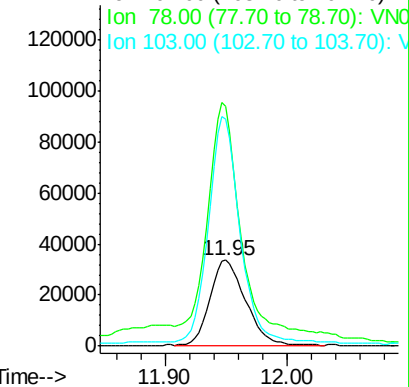
104 100

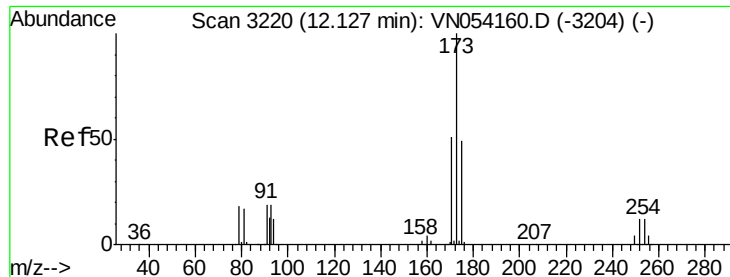
78 271.5 38.2 57.2#

103 242.8 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V





#71

Bromoform

Concen: 2.396 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

MW-4A

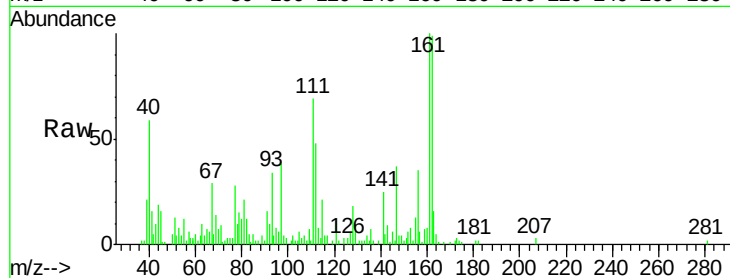
Tot Ion:173 Resp: 756

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

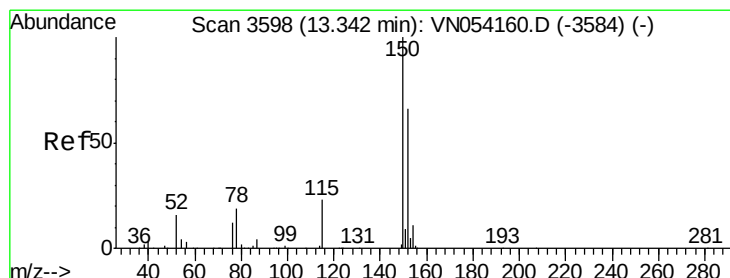
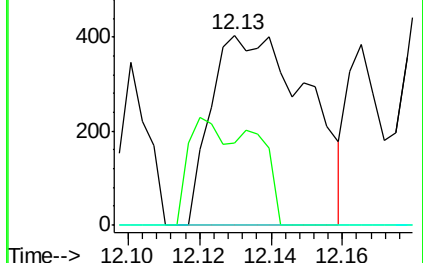
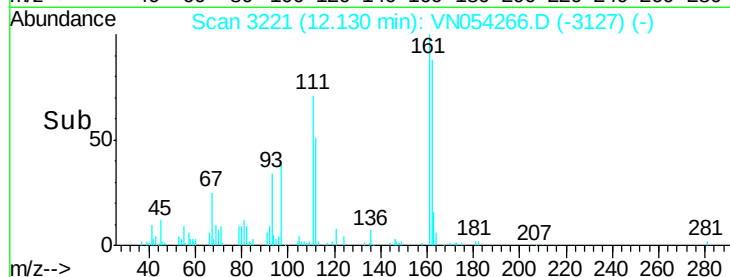
254 0.0 0.1 0.1#



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: VN054266.D

Acq: 14 Mar 2019 17:09

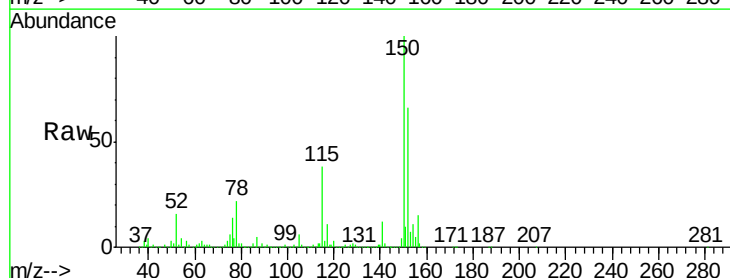
Tgt Ion:152 Resp: 1512894

Ion Ratio Lower Upper

152 100

115 61.6 27.2 81.6

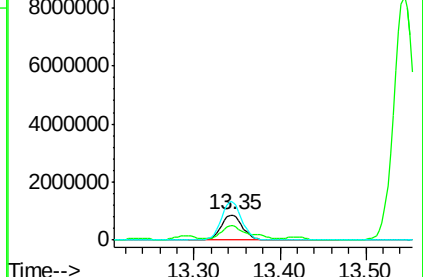
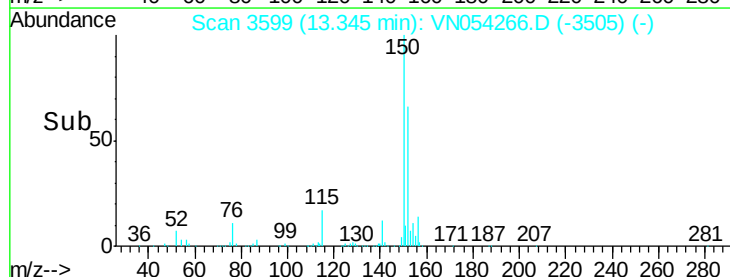
150 144.8 0.0 349.2

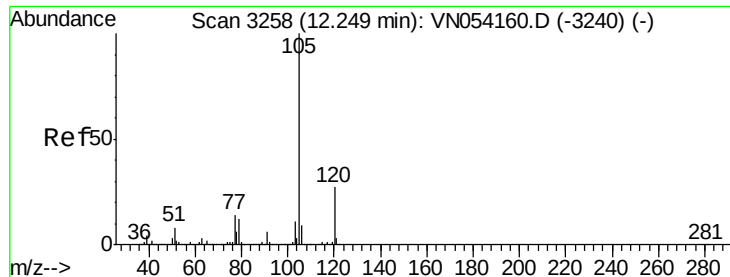


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.758 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

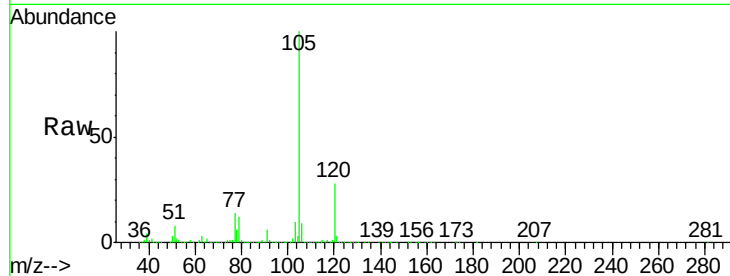
MW-4A

Tot Ion:105 Resp: 1302157

Ion Ratio Lower Upper

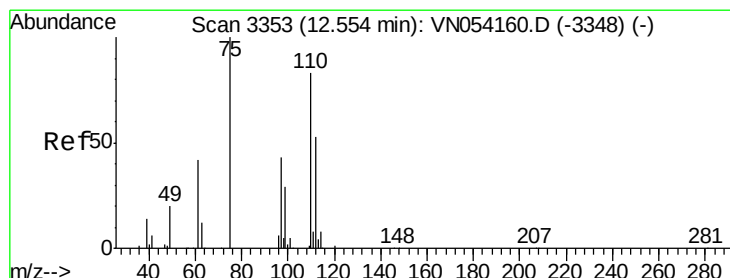
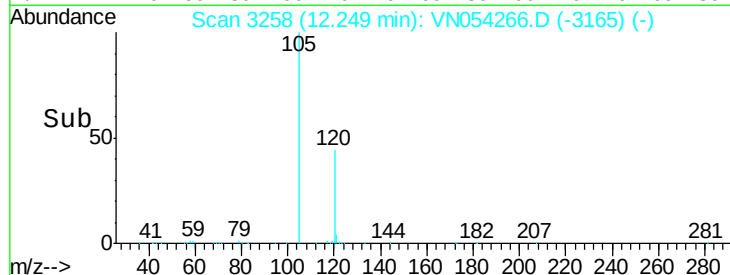
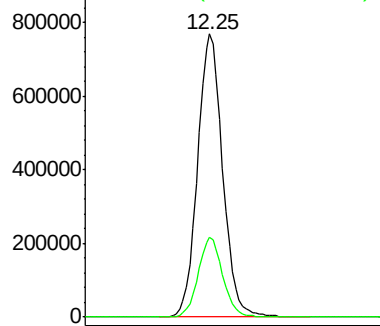
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 2.068 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.01 min

Lab File: VN054266.D

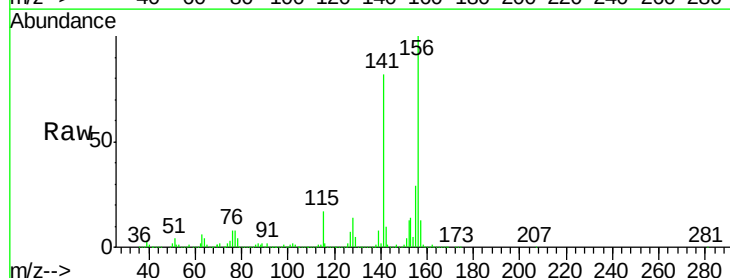
Acq: 14 Mar 2019 17:09

Tgt Ion: 75 Resp: 46013

Ion Ratio Lower Upper

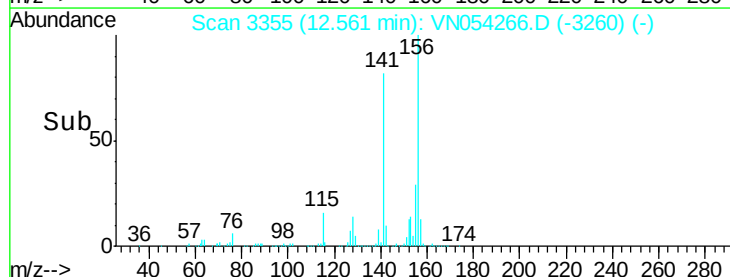
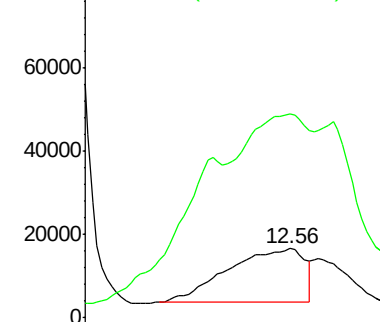
75 100

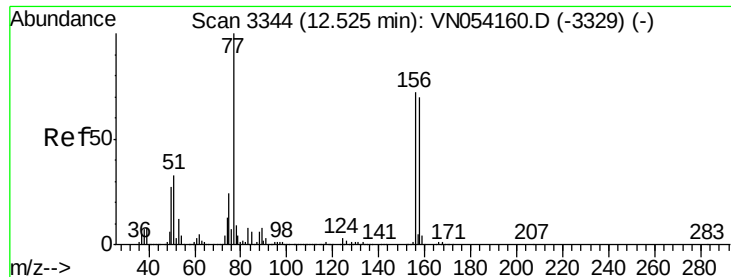
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 111.312 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

MW-4A

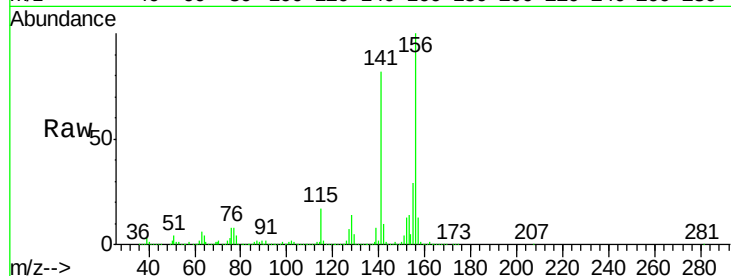
Tot Ion:156 Resp: 3565256

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

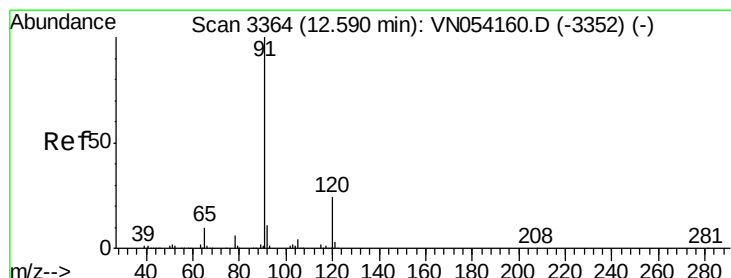
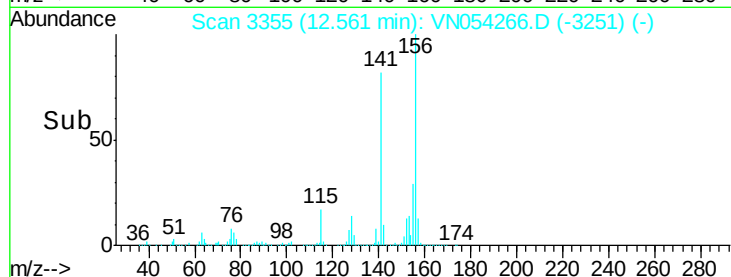
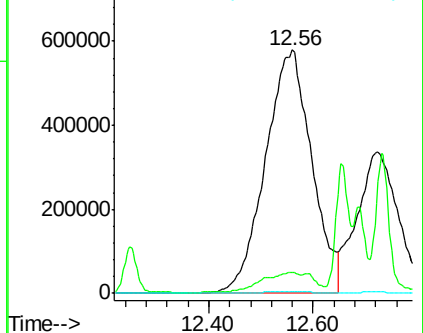
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.034 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054266.D

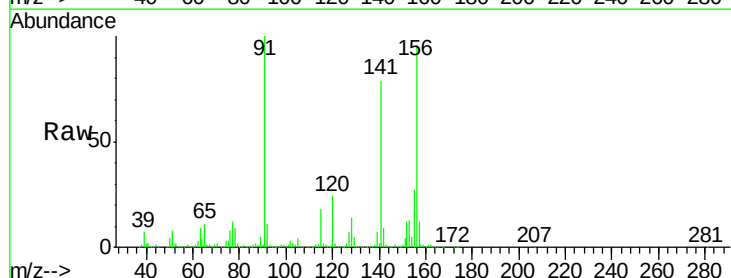
Acq: 14 Mar 2019 17:09

Tgt Ion: 91 Resp: 661111

Ion Ratio Lower Upper

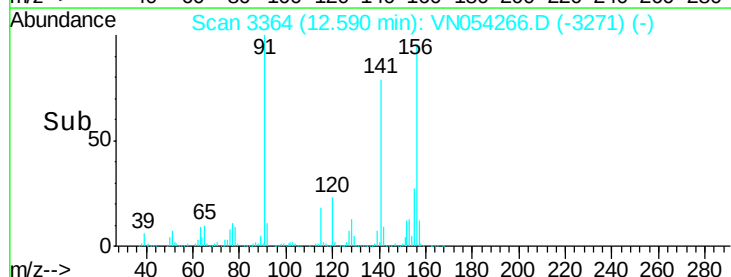
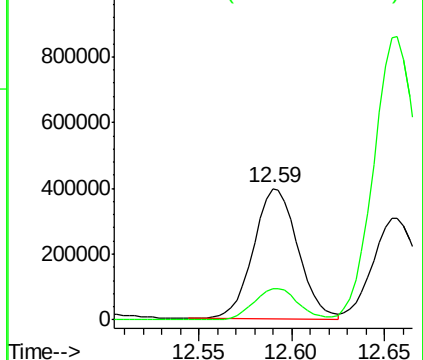
91 100

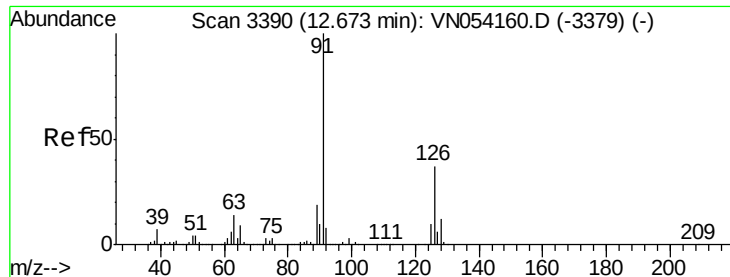
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.837 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

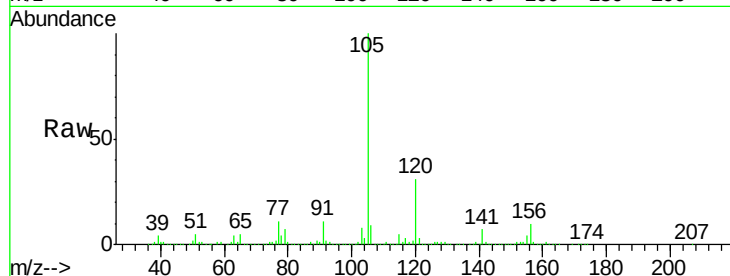
MW-4A

Tot Ion: 91 Resp: 224030

Ion Ratio Lower Upper

91 100

126 14.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

12.69

200000

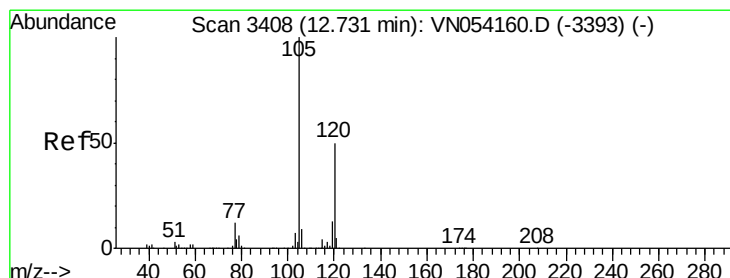
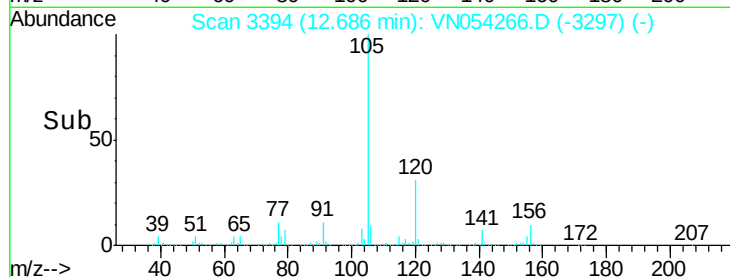
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 41.140 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054266.D

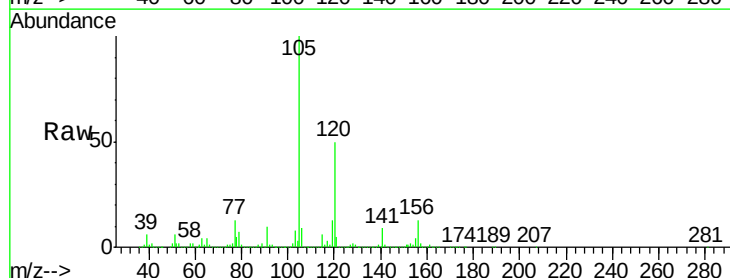
Acq: 14 Mar 2019 17:09

Tgt Ion: 105 Resp: 4142005

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

12.73

3000000

2500000

2000000

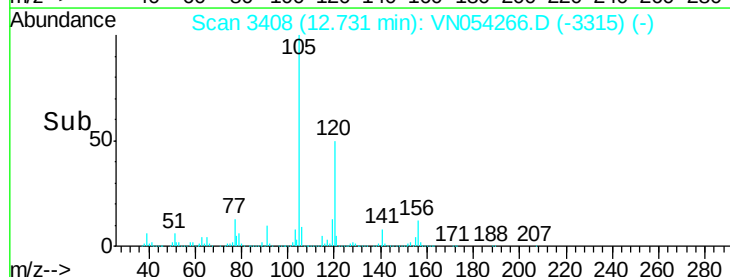
1500000

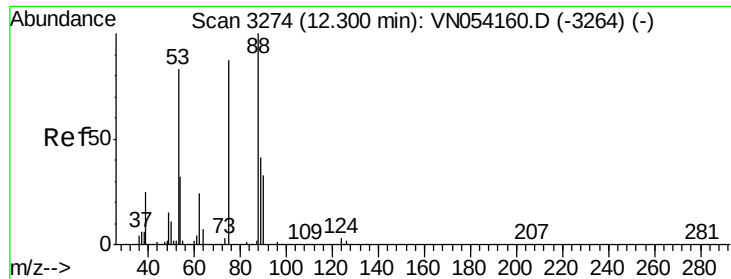
1000000

500000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 90.428 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

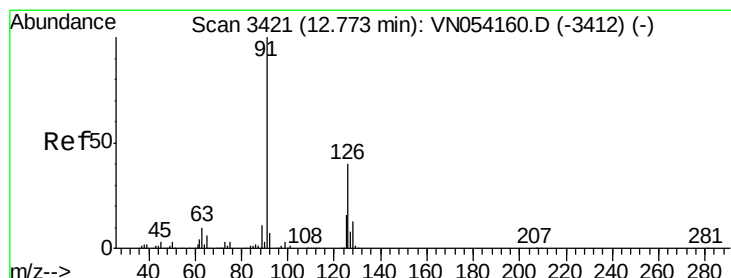
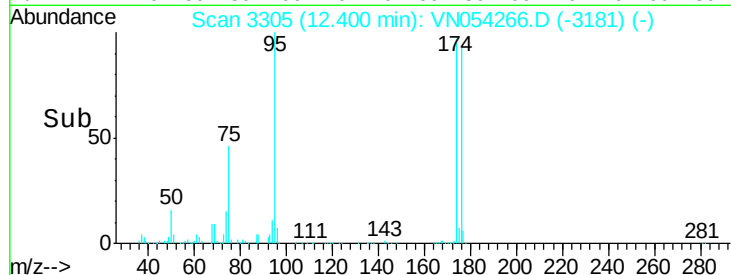
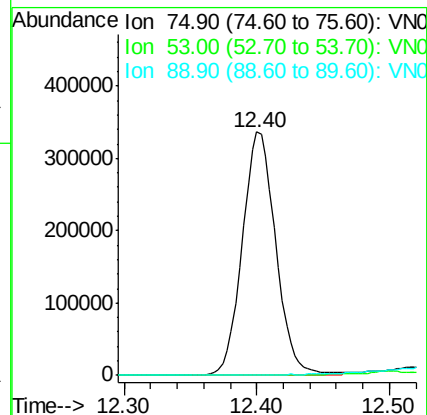
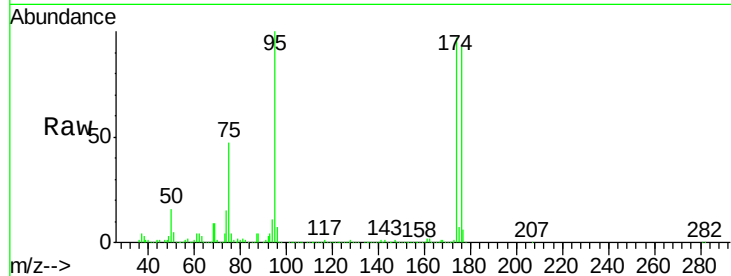
Tot Ion: 75 Resp: 588518

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 5.225 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054266.D

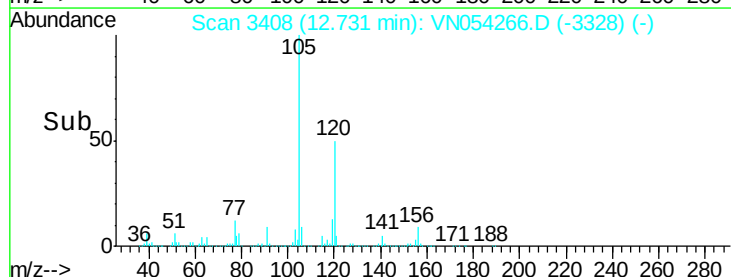
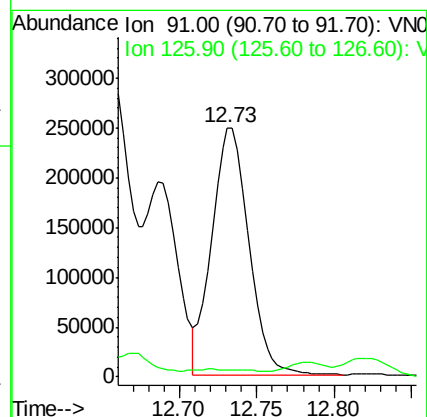
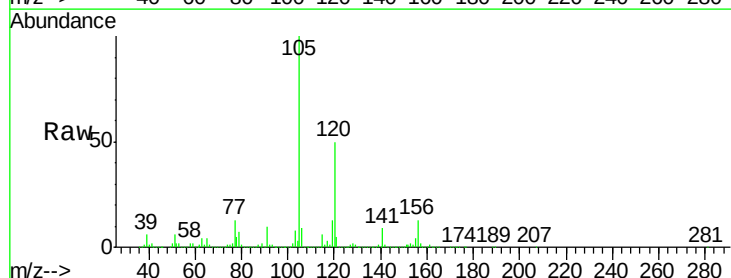
Acq: 14 Mar 2019 17:09

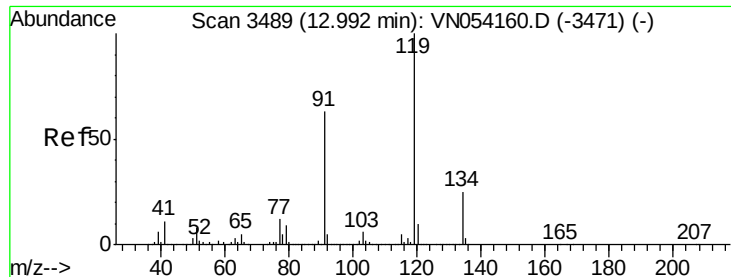
Tgt Ion: 91 Resp: 411982

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#

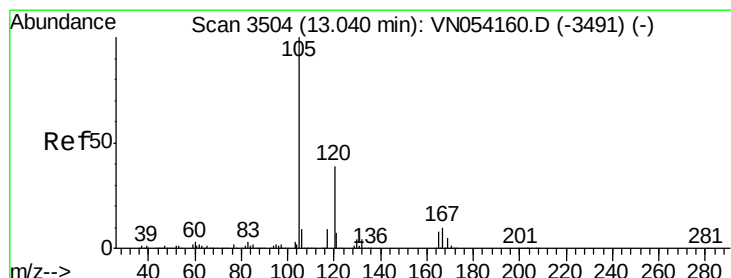
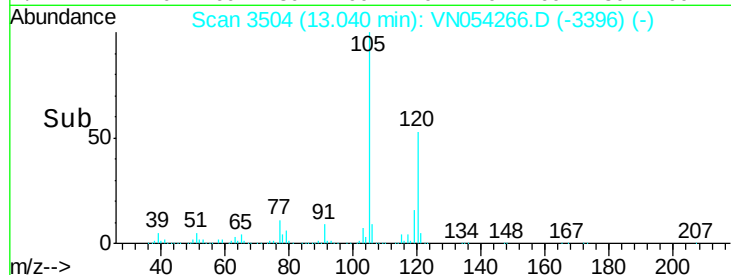
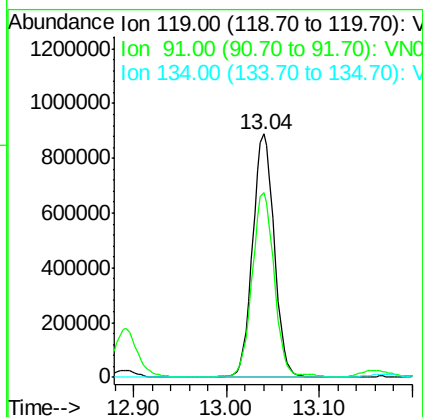
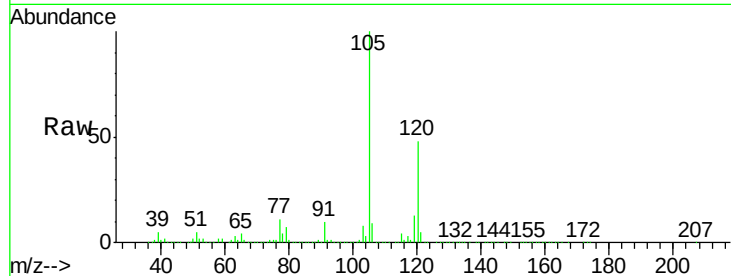




#83
 tert-Butylbenzene
 Concen: 15.479 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

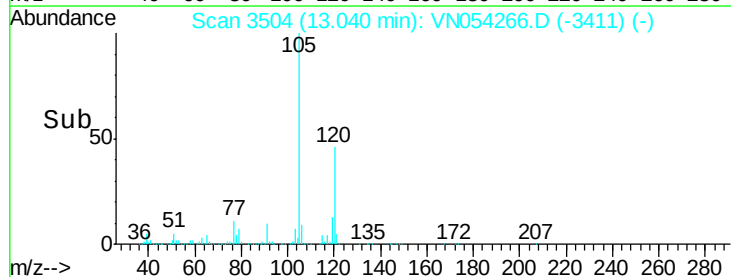
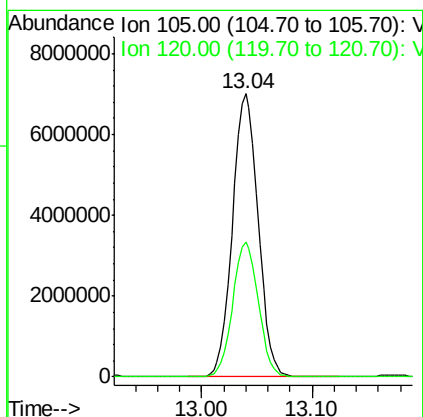
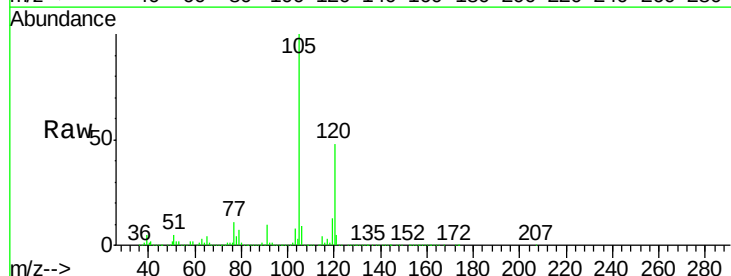
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

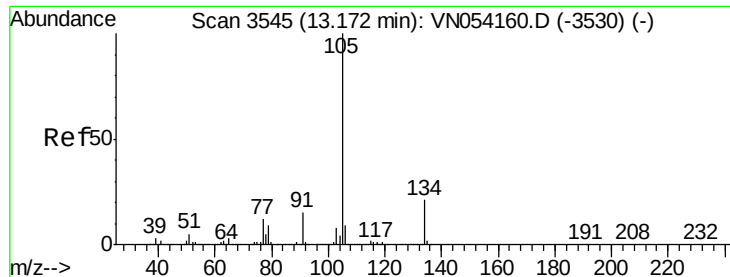
Tot Ion:119 Resp: 1434434
 Ion Ratio Lower Upper
 119 100
 91 76.7 30.9 92.8
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 114.210 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054266.D
 Acq: 14 Mar 2019 17:09

Tgt Ion:105 Resp:11280791
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 93.865 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

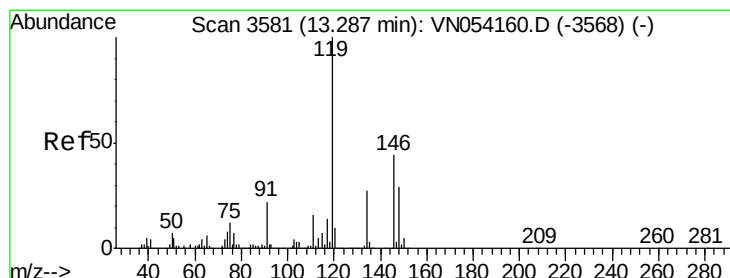
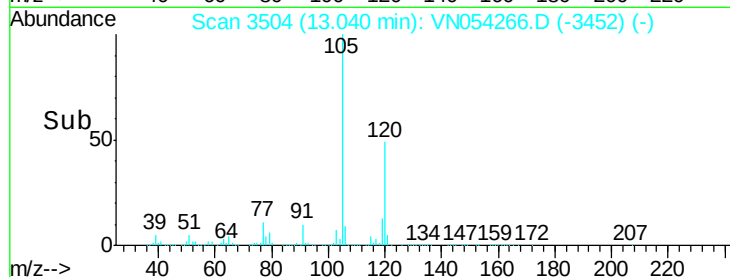
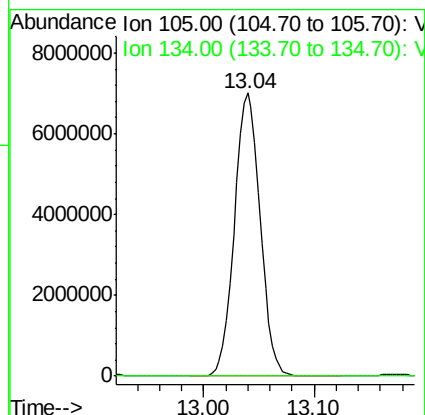
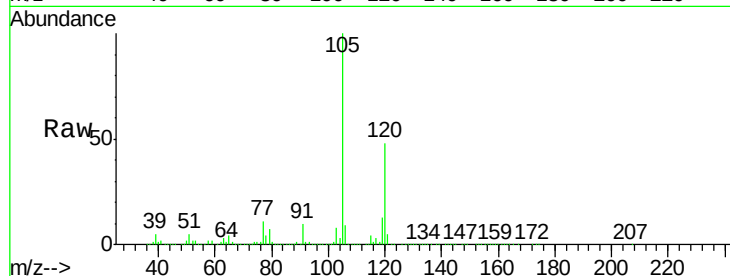
MW-4A

Tot Ion:105 Resp:11280791

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 29.200 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

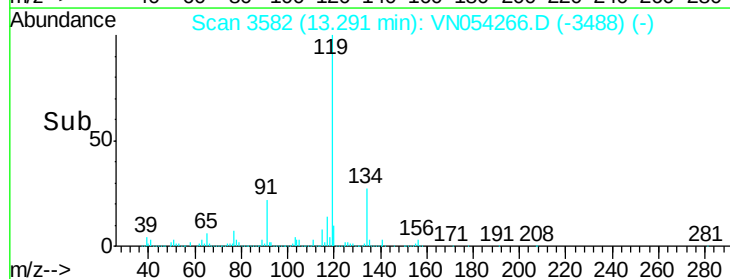
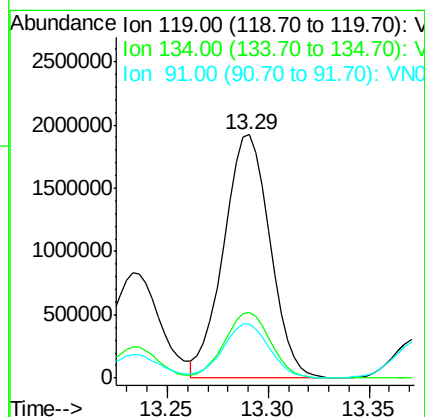
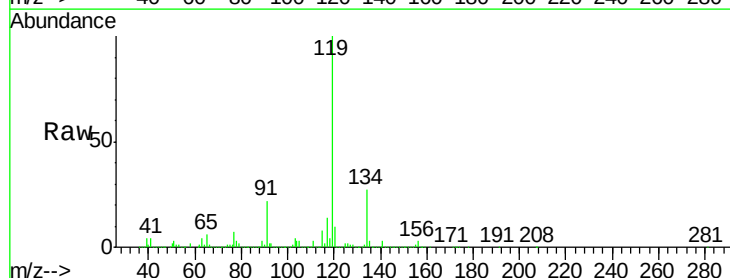
Tgt Ion:119 Resp: 3078676

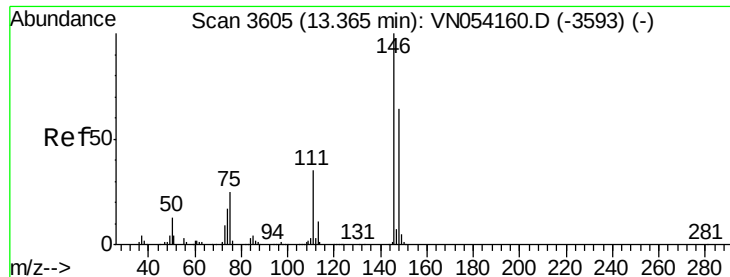
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 22.1 11.1 33.3





#88

1,4-Dichlorobenzene

Concen: 0.708 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

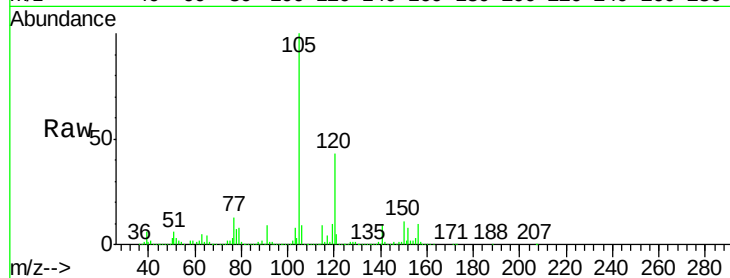
Tot Ion:146 Resp: 37518

Ion Ratio Lower Upper

146 100

111 81.0 18.1 54.1#

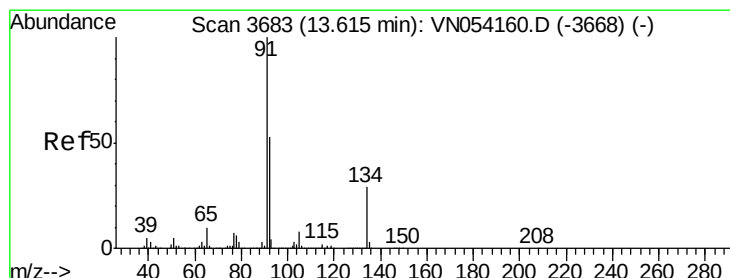
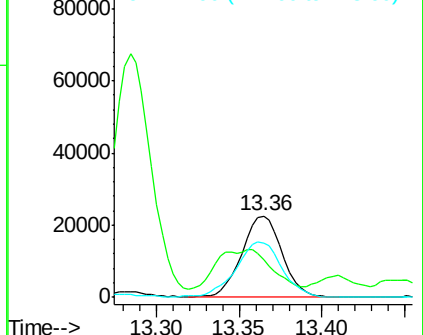
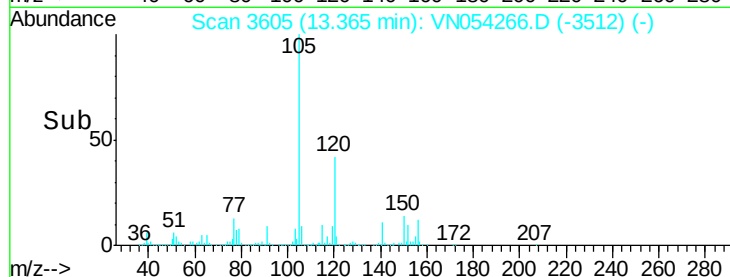
148 77.1 32.0 96.0



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: 88.648 ug/l

RT: 13.54 min Scan# 3661

Delta R.T. -0.07 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

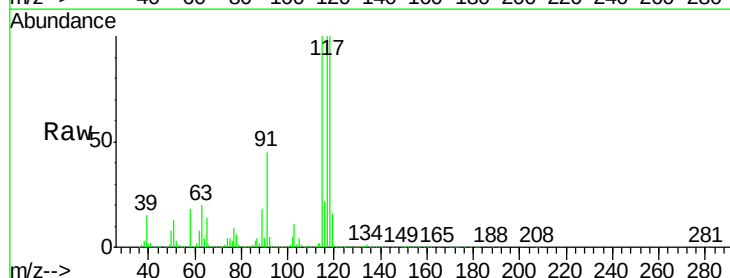
Tgt Ion: 91 Resp: 7101602

Ion Ratio Lower Upper

91 100

92 9.8 26.2 78.6#

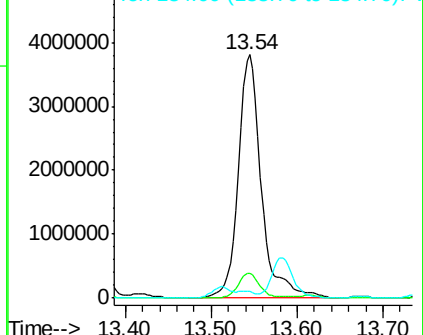
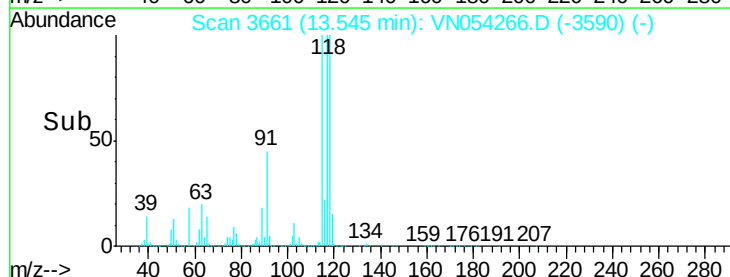
134 0.0 14.3 42.9#

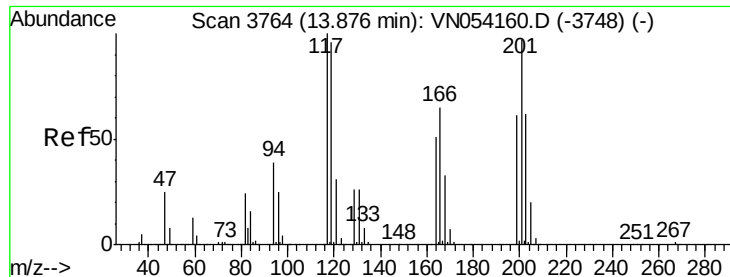


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 17.672 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

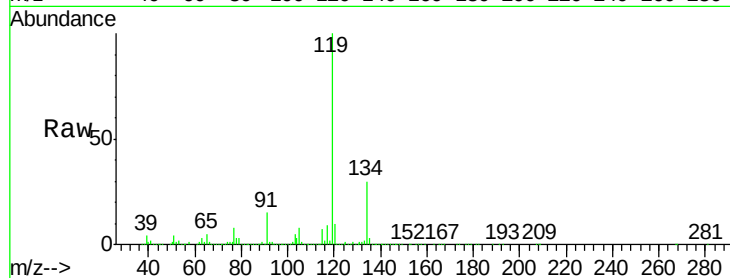
MW-4A

Tot Ion:117 Resp: 308518

Ion Ratio Lower Upper

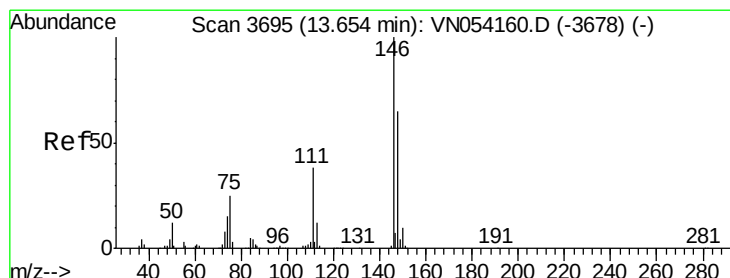
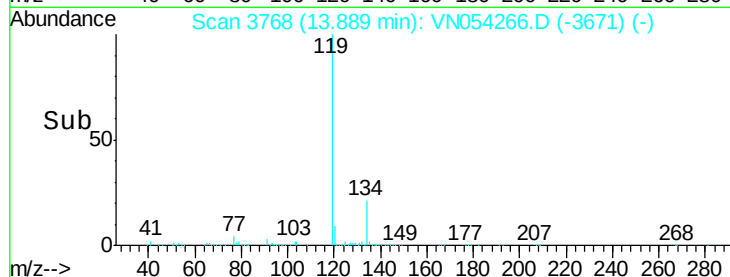
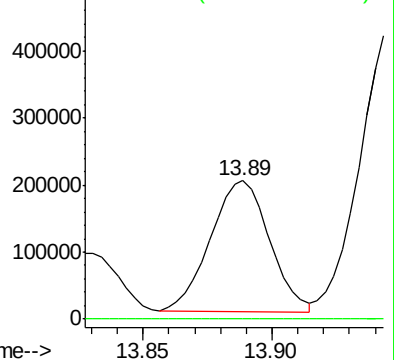
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.261 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

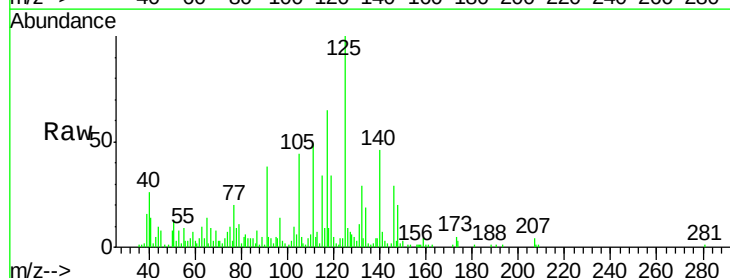
Tgt Ion:146 Resp: 13753

Ion Ratio Lower Upper

146 100

111 336.1 19.1 57.3#

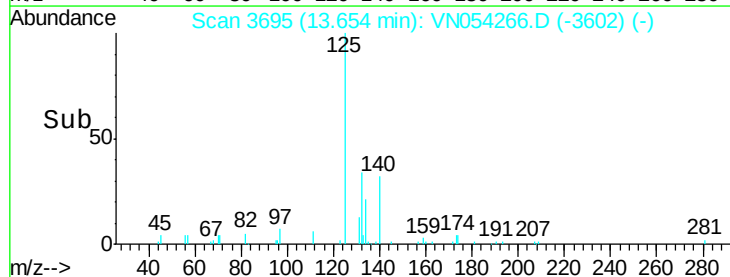
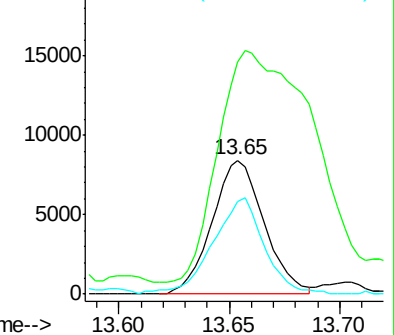
148 70.9 32.4 97.0

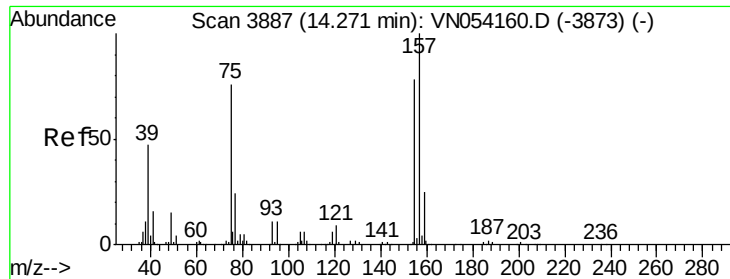


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.346 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

MW-4A

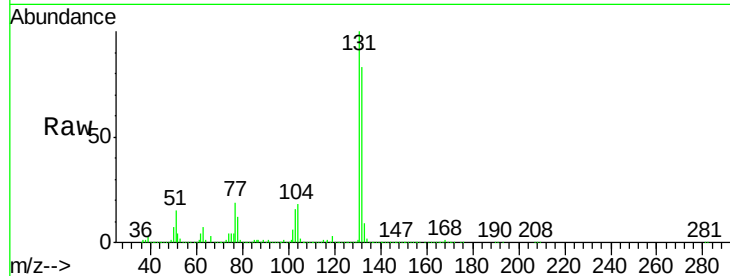
Tot Ion: 75 Resp: 224855

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

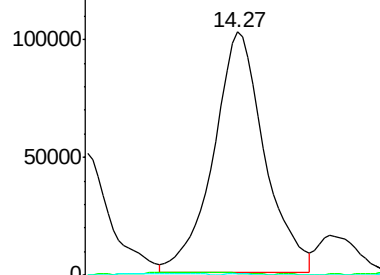
157 0.2 63.1 189.3#



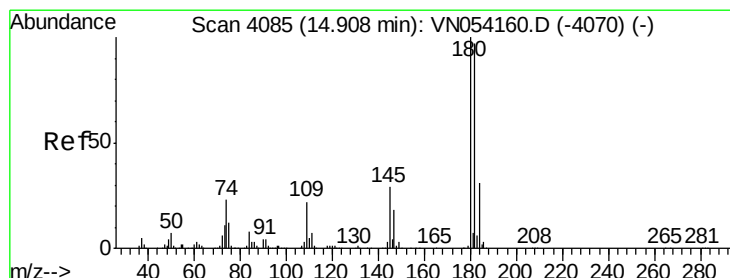
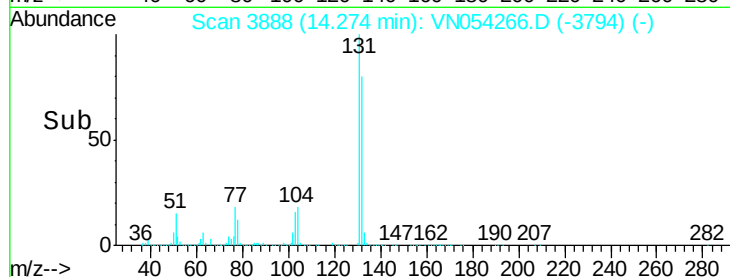
Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054160.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054160.D (-3873) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.636 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

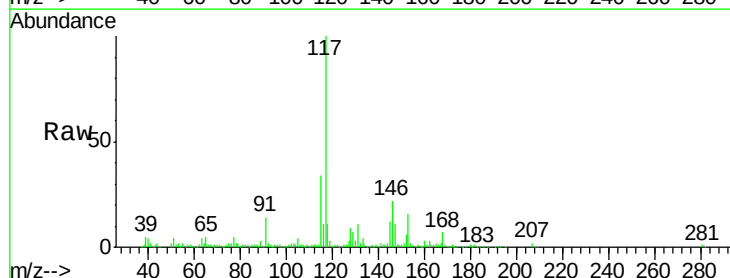
Tgt Ion: 180 Resp: 4004

Ion Ratio Lower Upper

180 100

182 137.7 48.0 144.2

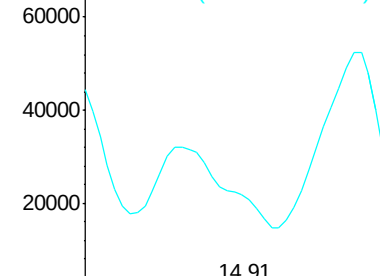
145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)



Time-->

